



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY**  
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

(Accredited by NBA for Civil, EEE, Mech., ECE & CSE)

Accredited by NAAC with 'A' Grade)

Puttur -517583, Chittoor District, A.P. (India)

**APPROVED MINUTES OF RELEVANT ACADEMIC COUNCIL/BOS MEETING**

**BOARD OF STUDIES MINUTES OF MEETING**

S.No	Name of the Department	BoS MoM Number	Page No
1	B.Tech - Civil Engineering (CIV)	BoS MoM 01-06	2-53
2	B.Tech - Electrical and Electronics Engineering (EEE)	BoS MoM 01-06	54-102
3	B.Tech - Mechanical Engineering (MEC)	BoS MoM 01-06	103-167
4	B.Tech - Electronics and Communication Engineering (ECE)	BoS MoM 01-06	168-229
5	B.Tech - Computer Science and Engineering (CSE)	BoS MoM 01-06	230-281
6	B.Tech - Computer Science and Information Technology (CIT)	BoS MoM 01-06	282-312
7	B.Tech - Agricultural Engineering (AGR)	BoS MoM 01-06	313-347
8	Mater of Business Administration (MBA)	BoS MoM 01-04	348-374
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*Kennedy*

**PRINCIPAL**

**PRINCIPAL**

Siddharth Institute of Engineering & Technology

Siddharth Nagar

**PUTTUR - 517583, Chittoor Dist.**

2016 - 2017

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR  
(AUTONOMOUS)**

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**1<sup>st</sup> BoS Meeting of Civil Engineering (CE)**

Date: 08-07-2016

The 1<sup>st</sup> meeting of Board of Studies (BoS) in Civil Engineering is held on 08 July 2016 at 01.30 PM in the Department of Civil Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. S. Siddiraju, Chairman BoS chaired the meeting and welcomed all the members to the first BoS meeting and discussed about the following agenda

**Agenda:**

1. Preparation of course structure for UG & PG in CE w.e.f., 2016-17.
2. Preparation of syllabi for I & II year UG & PG in CE w.e.f., 2016-17.
3. Preparation of syllabus for the subjects offered to other branches w.e.f., 2016-17.
4. Suggesting Panel of Question Paper setters.
5. Suggesting Panel of Examiners.
6. Any other item.

2016 - 2017

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Preparation of course structure for UG & PG in CE w.e.f., 2016-17.

**Resolution: 1**

After the detailed discussion the course structure for UG & PG in CE is prepared (given in **Annexure –I**) and is applicable from the A.Y., 2016-17.

**Agenda: 2**

Preparation of syllabus for I & II year UG & PG in CE w.e.f., 2016-17.

**Resolution: 2**

After the thorough discussion syllabi was framed to make the students acquire the required technical knowledge and skills. The syllabi framed for the I and II year of UG & PG. in CE (given in **Annexure –II**) and is applicable from the A.Y., 2016-17.

**A. Course & Syllabus Comparison**

With reference to the R15 regulations, the new regulation (R16) syllabus for I & II Year has the following modifications, which are given in the below table.

**I & II B.Tech**

S. No	R15 Regulation	R16 Regulation	Percentage of course content changed
1	Functional English	Functional English	0
2	Mathematics – I	Engineering Mathematics – I	0
3	Computer Programming	Computer Programming	0
4	Engineering Physics	Engineering Physics	0
5	Engineering Drawing	Engineering Graphics	20
6		Human Values & Professional Ethics	100
7	English Language	English Language and	0

2016 - 2017

	Communication Skills Lab	Communication Skills Lab	
8	Engineering Physics Lab	Engineering Physics Lab	0
9	Computer Programming Lab	Computer Programming Lab	30
10	English for Professional Communication	Professional English	0
11	Mathematics – II	Engineering Mathematics – II	0
12	Engineering Mechanics	Engineering Mechanics	47
13	Engineering Chemistry	Engineering Chemistry	0
14	Environmental Studies	Environmental Studies	20
15	Applied Mechanics Lab	Applied Mechanics Lab	0
16	Engineering Chemistry Lab	Engineering Chemistry Lab	0
17	Engineering & IT Workshop	Engineering & IT Workshop Lab	0
18	Mathematics - III	Engineering Mathematics – III	0
19	Electrical and Mechanical Technology	Electrical & Mechanical Technology	15
20	Building Materials and Construction	Building Materials & Construction	90
21	Strength of Materials – I	Strength of Materials – I	15
22	Surveying – I	Surveying	50
23	Fluid Mechanics	Fluid Mechanics	75
24	Surveying Laboratory – I	Surveying Lab – I	0
25	Strength of Materials Laboratory	Strength of Materials Lab	0
26		Data Structures through C	100
27	Probability and Statistics	Probability & Statistics	0
28	Strength of Materials – II	Strength of Materials – II	20
29		Building Planning & Drawing	100
30	Hydraulics & Hydraulic Machinery	Hydraulics & Hydraulic Machinery	25

2016 - 2017

31	Fluid Mechanics & Hydraulic Machinery Laboratory	Fluid Mechanics & Hydraulic Machinery Lab	0
32	Surveying Laboratory – II	Surveying Lab – II	0
33		Computer Aided Drawing Lab	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
I & II Year B.Tech CE	33	24.45

**B. Course Relevance**

The course that comes under the category of Employability, Skill or Entrepreneurship development is shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Functional English	16HS601	Skill Development
2	Computer Programming	16CS501	Skill Development
3	Human Values & Professional Ethics	16HS606	Skill Development
4	Computer Programming Lab	16CS502	Skill Development
5	Engineering & IT Workshop Lab	16ME301	Skill Development
6	Professional English	16HS610	Skill Development
7	Engineering Graphics	16ME302	Skill Development
8	Engineering Mechanics	16CE101	Skill Development
9	English Language and Communication Skills Lab	16HS607	Skill Development
10	Applied Mechanics Lab	16CE102	Skill Development
11	Electrical & Mechanical Technology	16EE209	Employability
12	Strength of Materials – I	16CE103	Skill Development
13	Surveying	16CE105	Skill Development
14	Fluid Mechanics	16CE106	Skill Development
15	Building Materials & Construction	16CE107	Employability
16	Surveying Lab – I	16CE108	Skill Development
17	Strength of Materials Lab	16CE109	Skill Development
18	Data Structures through C	16CS503	Skill Development

2016 - 2017

19	Environmental Studies	16HS605	Skill Development
20	Building Planning & Drawing	16CE110	Skill Development
21	Strength of Materials – II	16CE111	Skill Development
22	Hydraulics & Hydraulic Machinery	16CE113	Skill Development
23	Surveying Lab – II	16CE114	Skill Development
24	Computer Aided Drawing Lab	16CE115	Skill Development
25	Fluid Mechanics & Hydraulic Machinery Lab	16CE116	Skill Development
26	Comprehensive Soft Skills	16HS614	Skill Development

### A. Course & Syllabus Comparison

With reference to the R09 regulations, the new regulation (R16) syllabus for I & II Year has the following modifications, which are given in the below table.

#### I & II Year M.Tech (Structural Engineering)

S. No	R09 Regulation	R16 Regulation	Percentage of course content changed
1	Advanced Structural Analysis	Advanced Structural Analysis	0
2	Theory of Elasticity and Plasticity	Theory of Elasticity	3
3	Experimental Stress Analysis	Experimental Stress Analysis (ESA)	15
4	Advanced Structural Design	Advanced Reinforced Concrete Design	75
5	Low cost Housing Techniques	Low Cost Housing Techniques	10
6	Prestressed concrete	Advanced Prestressed Concrete	5
7		Structural Engineering Lab	100
8	Structural Dynamics	Structural Dynamics (SD)	70
9	Finite Element Method	Finite Element Methods	5
10	Stability of Structures	Stability of Structures (SS)	0
11	Analysis of shells and folded plates	Theory And Design of Plates and Shells	85
12	Design of Bridges	Bridge Engineering	15
13	Concrete Technology	Advanced Concrete Technology	85
14	Earthquake Resistant	Earthquake Resistant	0

2016 - 2017

	Structures	Structures(ERS)	
15	Advanced steel structures	Advanced Structural Steel Design	100
16	Building Construction Management	Construction Project Management (CPM)	100
17		Pre-fabricated Concrete Structures	100
18		Computing Techniques Lab	100
19	Seminar	Seminar	0
20	Project work	Project work	0

**Consolidated Sheet**

<b>Course</b>	<b>Total courses</b>	<b>Percentage of syllabus changed</b>
<b>I &amp; II Year M.Tech (SE)</b>	<b>20</b>	<b>43.40</b>

**B. Course Relevance**

The courses that come under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Advanced Concrete Technology	16CE2001	Skill Development
2	Theory of Elasticity	16CE2002	Skill Development
3	Advanced Structural Analysis	16CE2003	Skill Development
4	Structural dynamics (SD)	16CE2004	Skill Development
5	Advanced Prestressed Concrete	16CE2005	Employability
6	Low Cost Housing Techniques	16CE2006	Skill Development
7	Bridge Engineering	16CE2007	Employability
8	Pre-fabricated Concrete Structures	16CE2008	Employability
9	Structural Engineering Lab	16CE2009	Skill Development
10	Advanced Reinforced Concrete Design	16CE2010	Employability
11	Advanced Structural Steel Design	16CE2011	Employability
12	Finite Element Methods	16CE2012	Employability
13	Theory And Design of Plates and Shells	16CE2013	Employability
14	Stability of Structures (SS)	16CE2014	Skill Development

2016 - 2017

15	Experimental Stress Analysis (ESA)	16CE2015	Skill Development
16	Construction Project Management (CPM)	16CE2016	Employability
17	Earthquake Resistant Structures(ERS)	16CE2017	Employability
18	Computing Techniques Lab	16CE2018	Skill Development
19	Seminar	16CE2019	Employability
20	Project Work	16CE2020	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Preparation of syllabi for the subjects offered to other branches w.e.f. 2016-17.

**Resolution: 3**

After the thorough discussion syllabus was prepared and finalized for the subjects offered to other branches (given in **Annexure-III**) and is applicable from the A.Y., 2016-17.

**Agenda: 4**

Suggesting Panel of question paper setters.

**Resolution: 4**

The panel of question paper setters was suggested (given in **Annexure –IV**).

**Agenda: 5**

Suggesting Panel of examiners.

**Resolution: 5**

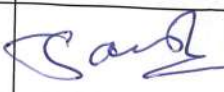







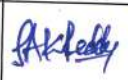
The panel of examiners for valuation was suggested (given in **Annexure –V**).

The above items were discussed, debated and the necessary approval was accorded by the BoS.

The meeting was concluded with vote of Thanks proposed by the Chairman-BoS.



## Members Present

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Dr. S. Siddiraju	Professor & H.O.D. – SIETK	Chairman	
2	Dr. K. Chandrasekhar Reddy	Professor & Principal – SIETK	Member	
3	Mr. C. Siva Kumar Prasad	Associate Professor – SIETK	Member	
4	Mr. R. Rajesh Kumar	Assistant Professor- SIETK	Member	
5	Mr. Y. Guru Prasad	Assistant Professor- SIETK	Member	
6	Dr. Gunneswara Rao. T.D	Professor, NIT Warangal.	Member	
7	Dr. K.N. Satyanarayana	Professor, IIT Madras.	Member	ABSENT
8	Dr. M. Srimurali	Professor, SV University, Tirupati.	Member	
9	Dr. N. Krishnamurthy	Assistant Executive Engineer, HNSS, Sub Division no:1 Madanapalle – 517325.	Member	
10	Mr. S. Anil Kumar Reddy	Project Coordinator Equus Infra project Pvt. Ltd., Hyderabad.	Member	

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR  
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**2<sup>nd</sup> BoS Meeting of Civil Engineering (CE)**

Date: 23/12/2017

The 2<sup>nd</sup> meeting of Board of Studies (BoS) in Civil Engineering is held on 23<sup>rd</sup> December 2017 at 10.00 AM in the Department of Civil Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Mr. C. Siva Kumar Prasad, Chairman - BoS chaired the meeting and welcomed all the members to the Second BoS meeting and discussed about the following agenda:

1. Preparation of course structure for III & IV year UG in CE w.e.f., 2018-19.
2. Preparation of syllabi for III & IV year UG in CE w.e.f., 2018-19.
3. Preparation of syllabus for the subject offered to other branches w.e.f., 2018-19.
4. Suggesting Panel of Question Paper setters.
5. Suggesting Panel of Examiners.
6. Any other item.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Preparation of course structure for III & IV year UG in CE w.e.f., 2018-19

**Resolution: 1**

After the detailed discussion the course structure for III & IV year UG in CE was prepared (given in **Annexure –I**) and is applicable from the A.Y., 2018-19.

**Agenda: 2**

Preparation of syllabus for III & IV year UG in CE w.e.f., 2018-19

**Resolution: 2**

After the thorough discussion syllabi was formulated to make the students acquire the required technical knowledge and skills. The syllabi framed for the III and IV year of UG in CE (given in **Annexure –II**) and are applicable from the A.Y., 2018-19.

**A. Course & Syllabus Comparison**

With reference to the R15 regulations, the new regulation (R16) syllabus for III & IV Year has the following modifications, which are given in the below table.

**III & IV B.Tech Civil**

S. No	R15 Regulation	R16 Regulation	Percentage of course content changed
1	Structural Analysis – I	Structural Analysis – I	65
2	Hydraulics & Hydraulic Machinery	Hydraulics & Hydraulic Machinery	25
3	Design and Drawing of RCC Structures	Design & Drawing of Reinforced Concrete Structures	0
4	Estimation, Costing and Valuation	Estimation, Costing and Valuation	0
5	Geotechnical Engineering – I	Geotechnical Engineering – I	0

6	Engineering Geology	Engineering Geology	35
7	Structural Analysis – II	Structural Analysis – II	45
8	Engineering Geology Laboratory	Engineering Geology Lab	0
9	Geotechnical Engineering Laboratory	Geotechnical Engineering Lab	0
10	Concrete Technology	Concrete Technology	4
11	Design and Drawing of Steel Structures	Design & Drawing of Steel Structures	20
12	Geotechnical Engineering – II	Geotechnical Engineering – II	30
13	Transportation Engineering - I	Transportation Engineering– I	35
14	Water Resources Engineering – I	Water Resources Engineering – I	20
15		Managerial Economics and Financial Analysis	100
16	Remote Sensing & GIS	Remote Sensing & GIS	0
17	Intellectual Property Rights	Intellectual Property Rights	0
18	Concrete Technology Laboratory	Concrete Technology Lab	0
19	Transportation Engineering Laboratory	Transportation Engineering Lab	0
20	Advanced English Language Communication Skills (AELCS) Laboratory (Audit Course)	Advanced English Language and Communication Skills Lab	0
21	Finite Element Methods	Finite Element Methods in Civil Engineering	20
22	Transportation Engineering - II	Transportation Engineering – II	55
23	Environmental Engineering	Environmental Engineering	30
24	Water Resources Engineering – II	Water Resources Engineering – II	20
25	Design and Drawing of Irrigation Structures	Design & Drawing of Irrigation Structures	0
26	Ground Improvement Techniques	Ground Improvement Techniques	0
27	Air Pollution and Quality Control	Air Pollution & Management	100

28		Neural Networks & Fuzzy Logic	100
29		Non-Conventional Energy Resources	100
30		Matlab Programming	100
31		Database Management Systems	100
32	CAD Laboratory	Computer Aided Design Lab	22
33	Environmental Engineering Laboratory	Environmental Engineering Lab	25
34	Advanced Structural Engineering	Advanced Structural Design	40
35		Advanced Foundation Engineering	100
36	Prestressed Concrete	Prestressed Concrete	57
37		Construction Technology and Project Management	100
38		Water Resources Systems Planning & Management	100
39		MOOC courses-offered by SWAYAM/ NPTEL/ NISTE-suggested by the department(online courses)	100
40	Technical Seminar	Seminar	0
41	Project Work	Project	0

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
III & IV Year B.Tech CE	<b>41</b>	<b>37.76</b>

**B. Course Relevance**

The course that comes under the category of Employability, Skill or Entrepreneurship development is shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Structural Analysis – I	16CE117	Skill Development
2	Concrete Technology	16CE118	Employability
3	Design & Drawing of Reinforced Concrete	16CE119	Employability

	Structures		
4	Water Resources Engineering – I	16CE120	Skill Development
5	Engineering Geology	16CE121	Skill Development
6	Geotechnical Engineering – I	16CE122	Skill Development
7	Concrete Technology Lab	16CE123	Skill Development
8	Engineering Geology Lab	16CE124	Skill Development
9	Aptitude Practice-I	16HS616	Employability
10	Structural Analysis – II	16CE125	Skill Development
11	Design & Drawing of Steel Structures	16CE126	Skill Development
12	Geotechnical Engineering – II	16CE127	Skill Development
13	Water Resources Engineering – II	16CE128	Skill Development
14	Transportation Engineering– I	16CE129	Employability
15	Geotechnical Engineering Lab	16CE130	Skill Development
16	Transportation Engineering Lab	16CE131	Skill Development
17	Advanced English Language and Communication Skills Lab	16HS615	Skill Development
18	Aptitude Practice-II	16HS617	Employability
19	Managerial Economics and Financial Analysis	16MB750	Skill Development
20	Transportation Engineering – II	16CE132	Employability
21	Environmental Engineering	16CE133	Employability
22	Estimation, Costing and Valuation	16CE134	Employability
23	Finite Element Methods in Civil Engineering	16CE135	Employability
24	Remote Sensing & GIS	16CE136	Skill Development
25	Air Pollution & Management	16CE137	Employability
26	Neural Networks & Fuzzy Logic	16EE239	Skill Development
27	Non-Conventional Energy Resources	16ME313	Skill Development
28	Matlab Programming	16EC443	Skill Development
29	Database Management Systems	16CS530	Skill Development
30	Intellectual Property Rights	16MB752	Skill Development
31	Environmental Engineering Lab	16CE138	Skill Development
32	Computer Aided Design Lab	16CE139	Skill Development
33	Design & Drawing of Irrigation Structures	16CE140	Employability
34	Advanced Foundation Engineering	16CE141	Skill Development
35	Advanced Structural Design	16CE142	Employability
36	Water Resources Systems Planning & Management	16CE143	Employability
37	Construction Technology and Project Management	16CE144	Employability

38	Ground Improvement Techniques	16CE146	Skill Development
39	Prestressed Concrete	16CE147	Employability
40	MOOC courses-offered by SWAYAM/ NPTEL/ NISTE-suggested by the department(online courses)	MOOCS	Skill Development
41	Seminar	16CE148	Employability
42	Project	16CE149	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Preparation of syllabus for the subject offered to other branches w.e.f. 2018-19.

**Resolution: 3**

After the thorough discussion syllabus was prepared for the subject offered to other branches (given in **Annexure-III**) and is applicable from the A.Y., 2018-19.

**Agenda: 4**

Suggesting Panel of question paper setters

**Resolution: 4**

The panel of question paper setters was suggested (given in **Annexure –IV**).

**Agenda: 5**

Suggesting Panel of examiners.

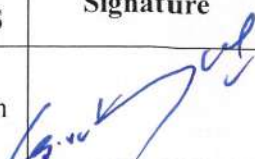


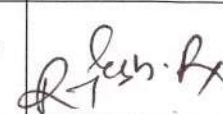



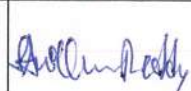
**Resolution: 5**

The panel of examiners for valuation was suggested (given in **Annexure –V**).

The above items were discussed, debated and the necessary approval was accorded by the BoS.

The meeting was concluded with vote of Thanks proposed by the Chairman - BoS.

## Members Present

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Mr. C. Siva Kumar Prasad	Associate Professor & H.O.D. - SIETK	Chairman	
2	Dr. K. Chandrasekhar Reddy	Professor & Principal - SIETK	Member	
3	Dr. S. Siddiraju	Professor - SIETK	Member	
4	Mr. R. Rajesh Kumar	Assistant Professor- SIETK	Member	
5	Mr. Y. Guru Prasad	Assistant Professor- SIETK	Member	
6	Dr. Gunneswara Rao. T.D	Professor, NIT Warangal.	Member	ABSENT
7	Dr. K.N. Satyanarayana	Professor, IIT Madras.	Member	ABSENT
8	Dr. M. Srimurali	Professor, SV University, Tirupati.	Member	
9	Dr. N. Krishnamurthy	Assistant Executive Engineer, HNSS, Sub Division no:1 Madanapalle - 517325.	Member	 23/12/2017
10	Mr. S. Anil Kumar Reddy	Project Coordinator Equus Infra project Pvt. Ltd., Hyderabad.	Member	



**3<sup>rd</sup> BOS Meeting of Civil Engineering (CE)**

Date: 18-06-2018

The 3<sup>rd</sup> meeting of Board of Studies (BOS) in Civil Engineering is held on 18 June, 2018 at 2:00 pm in the Department of Civil Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Mr. C. Siva Kumar Prasad, Chairman BOS chaired the meeting and welcomed all the members to the 3<sup>rd</sup> BOS meeting and discussed about the following agenda

**Agenda:**

1. Approval of course structure for I & II year UG & PG in Civil w.e.f., A.Y.2018-19.
2. Approval of syllabus for I & II year UG & PG in Civil w.e.f., A.Y.2018-19.
3. Approval of syllabus for the subjects offered to various branches w.e.f. 2018-19.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for I & II year UG & PG in Civil w.e.f., A.Y.2018-19

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for I & II year UG & PG (Civil) (given in **Annexure –I**) applicable from the A.Y.2018-19.

**Agenda: 2**

Approval of syllabus for I & II year UG & PG in Civil w.e.f., A.Y.2018-19

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I and II year B.Tech I & II-Semesters (given in **Annexure-II**)

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for I & II Year has the following modifications, which are given in the below table.

**I & II B.Tech**

S. No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Functional English	English	10
2	Engineering Mathematics – I	Mathematics – I	0
3	Engineering Physics	Physics	20
4	Computer Programming	Programming for Problem Solving	0
5	Engineering Physics Lab	Physics Lab	0
6	Computer Programming Lab	Programming for Problem Solving Lab	0
7	Engineering & IT Workshop Lab	Workshop Practice Lab	0

8	Engineering Mathematics – II	Mathematics – II	0
9	Engineering Chemistry	Chemistry	40
10	Engineering Graphics	Engineering Graphics & Design	0
11	Engineering Mechanics	Engineering Mechanics	20
12	English Language and Communication Skills Lab	English Lab	0
13	Engineering Chemistry Lab	Chemistry Lab	0
14	Engineering Mathematics – III	Transform & Discrete Mathematics	0
15	Electrical & Mechanical Technology	Basic Electrical and Electronics Engineering	50
16		Mechanical Engineering	50
17	Strength of Materials – I	Introduction to Solid Mechanics	28
18	Surveying	Surveying & Geomatics	0
19	Fluid Mechanics	Introduction to Fluid Mechanics	25
20	Building Materials & Construction	Materials, Testing & Evaluation	60
21	Surveying Lab – I	Surveying Lab – I	0
22	Strength of Materials Lab	Solid Mechanics Lab	0
23	Environmental Studies	Environmental Sciences	0
24	Computer Aided Drawing Lab	Computer Aided Building Drawing lab	0
25	Strength of Materials – II	Mechanics of Solids	60
26	Fluid Mechanics & Hydraulic Machinery Lab	Fluid Mechanics Lab	0
27	Engineering Geology	Engineering Geology	0
28	Engineering Geology Lab	Engineering Geology Lab	0
29		Indian Constitution	100
30		Biology for Engineers	100
31		Introduction to Civil Engineering	100
32		Essence of Indian Traditional Knowledge	100

## Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
I & II Year B.Tech CE	32	23.84

**B. Course Relevance**

The course that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Programming for Problem Solving	18CS0501	Skill Development
2	Engineering Mechanics	18CE0101	Skill Development
3	Programming for Problem Solving Lab	18CS0503	Skill Development
4	Workshop Practice Lab	18ME0301	Skill Development
5	Induction program		Skill Development
6	Basic Electrical and Electronics Engineering	18EE0240	Employability
7	English	18HS0810	Skill Development
8	Engineering Graphics & Design	18ME0302	Skill Development
9	English Lab	18HS0811	Skill Development
10	Indian Constitution	18HS0816	Entrepreneurship
11	Biology for Engineers	18HS0803	Skill Development
12	Introduction to Civil Engineering	18CE0102	Skill Development
13	Introduction to Solid Mechanics	18CE0103	Skill Development
14	Introduction to Fluid Mechanics	18CE0104	Skill Development
15	Solid Mechanics Lab	18CE0105	Skill Development
16	Fluid Mechanics Lab	18CE0106	Skill Development
17	Computer Aided Building Drawing	18CE0107	Skill Development
18	Environmental Sciences	18HS0804	Skill Development
19	Mechanical Engineering	18ME0346	Skill Development
20	Engineering Geology	18CE0108	Skill Development
21	Surveying & Geomatics	18CE0109	Employability
22	Materials, Testing & Evaluation	18CE0110	Skill Development
23	Mechanics of Solids	18CE0111	Skill Development
24	Engineering Geology Lab	18CE0112	Skill Development
25	Surveying Lab – I	18CE0113	Skill Development
26	Essence of Indian Traditional Knowledge	18HS0817	Entrepreneurship

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for I & II Year has the following modifications, which are given in the below table.

**I & II Year M.Tech (Structural Engineering)**

S. No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Theory of Elasticity	Advanced Solid Mechanics	0
2	Advanced Structural Analysis	Advanced Structural Analysis	20
3	Structural dynamics (SD)	Structural Dynamics	0
4		Design of Prestressed Concrete Structures	100
5	Stability of Structures (SS)	Theory of Structural Stability	0
6		Theory and Applications of Cement Composites	100
7		Structural Health Monitoring	100
8		Structural Design Lab	100
9		Structural Optimization	100
10		Advanced Concrete Lab	100
11	Finite Element Methods	FEM in Structural Engineering	10
12		Research Methodology and IPR	100
13	Theory And Design of Plates and Shells	Theory of Thin Plates and Shells	100
14	Project	Dissertation Phase – II	0
15		Advanced Steel Design	100
16		Design of Formwork	100
17		Design of High Rise Structures	100
18		Design of Masonry Structures	100
19		Design of Advanced Concrete Structures	100
20		Advanced Design of Foundations	100
21		Soil Structure Interaction	100
22		Design of Industrial Structure	100

23		Model Testing Lab	100
24		Numerical Analysis Lab	100
25		Design of Prestressed Concrete Structures	100
26		Analysis of Laminated Composite Plates	100
27		Fracture Mechanics of Concrete Structures	100
28		Design of Plates and Shells	100
30		Business Analytics	100
31		Industrial Safety	100
32		Advances in Operations Research	100
33		Cost Management of Engineering Projects	100
34		Composite Materials	100
35		Waste to Energy	100
36		Analytical and Numerical Methods for Structural Engineering	100
37		Numerical Analysis Lab	100
38		Industrial Safety	100
39		Advances in Operations Research	100
40		Composite Materials	100
41		English for Research Paper Writing	100
42		Disaster Management	100
43		Sanskrit for Technical Knowledge	100
44		Value Education	100
45		Personality Development Through Life Enlightenment Skills	100
46		Pedagogy Studies	100
47		Stress Management by Yoga	100

48		Constitution of India	100
49		Mini Project	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
I & II Year M.Tech (SE)	49	88.37

**B. Course Relevance**

The courses that come under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Design of Prestressed Concrete Structures	18CE1021	Employability
2	Analysis of Laminated Composite Plates	18CE1022	Skill Development
3	Fracture Mechanics of Concrete Structures	18CE1023	Skill Development
4	Design of Plates and Shells	18CE1024	Employability
5	Business Analytics	18HS0824	Skill Development
6	Industrial Safety	18ME3121	Skill Development
7	Advances in Operations Research	18ME3122	Skill Development
8	Cost Management of Engineering Projects	18CE1028	Employability
9	Composite Materials	18ME3123	Skill Development
10	Waste to Energy	18EE2128	Skill Development
11	Dissertation Phase-I	18CE1026	Employability
12	Dissertation Phase-II	18CE1027	Employability
13	Advanced Structural Analysis	18CE1001	Skill Development
14	Advanced Solid Mechanics	18CE1002	Skill Development
15	Theory of Thin Plates and Shells	18CE1008	Skill Development
16	Theory and Applications of Cement Composites	18CE1009	Skill Development
17	Theory of Structural Stability	18CE1010	Skill Development
18	Analytical and Numerical Methods for Structural Engineering	18HS0837	Skill Development
19	Structural Health Monitoring	18CE1011	Skill Development
20	Structural Optimization	18CE1012	Skill Development
21	Structural Design Lab	18CE1003	Skill Development

22	Advanced Concrete Lab	18CE1004	Skill Development
23	Research Methodology and IPR	18HS0823	Employability
24	English for Research Paper Writing	18HS0818	Skill Development
25	Disaster Management	18CE1029	Employability
26	Sanskrit for Technical Knowledge	18HS0825	Skill Development
27	Value Education	18HS0826	Skill Development
28	FEM in Structural Engineering	18CE1005	Employability
29	Structural Dynamics	18CE1006	Skill Development
30	Advanced Steel Design	18CE1013	Employability
31	Design of Formwork	18CE1014	Employability
32	Design of High Rise Structures	18CE1015	Employability
33	Design of Masonry Structures	18CE1016	Employability
34	Design of Advanced Concrete Structures	18CE1017	Employability
35	Advanced Design of Foundations	18CE1018	Employability
36	Soil Structure Interaction	18CE1019	Skill Development
37	Design of Industrial Structure	18CE1020	Employability
38	Model Testing Lab	18CE1007	Skill Development
39	Numerical Analysis Lab	18HS0838	Skill Development
40	Mini Project	18CE1025	Skill Development
41	Personality Development Through Life Enlightenment Skills	18HS0819	Skill Development
42	Pedagogy Studies	18HS0827	Skill Development
43	Stress Management by Yoga	18HS0828	Skill Development
44	Constitution of India	18HS0829	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subjects offered to various branches w.e.f. 2018-19

**Resolution: 3**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the subjects offered to various branches (given in **Annexure-III**).



**Agenda: 4**

Approval of Panel of Question Paper setters

**Resolution: 4**

Approved the panel of question paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**

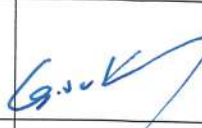







Approval of Panel of Examiners

**Resolution: 5**

Approved the panel of examiners prepared for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.

## Members Present

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Mr. C. Siva Kumar Prasad	Associate Professor & HOD - SIETK	Chairman	
2	Dr. K. Chandrasekhar Reddy	Professor & Principal - SIETK	Member	
3	Dr. S. Siddiraju	Professor - SIETK	Member	
4	Mr. R. Rajesh Kumar	Assistant Professor- SIETK	Member	
5	Mr. Y. Guru Prasad	Assistant Professor- SIETK	Member	
6	Dr. Gunneswara Rao. T.D	Professor, NIT Warangal.	Member	
7	Dr. K.N. Satyanarayana	Professor, IIT Madras.	Member	ABSENT
8	Dr. M. Srimurali	Professor, SV University, Tirupati.	Member	
9	Dr. N. Krishnamurthy	Assistant Executive Engineer, HNSS, Sub Division no:1 Madanapalle - 517325.	Member	
10	Mr. S. Anil Kumar Reddy	Project Coordinator Equus Infra project Pvt. Ltd., Hyderabad.	Member	ABSENT

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR****(AUTONOMOUS)****4<sup>th</sup> BoS Meeting of Civil Engineering (CE)**

Date: 14-08-2019

The 4<sup>th</sup> meeting of Board of Studies (BoS) in Civil Engineering is held on 14<sup>th</sup> August, 2019 (Wednesday) at 1:30 pm in the Department of Civil Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Mr. C. Siva Kumar Prasad, Chairman BoS chaired the meeting and welcomed all the members to the 4<sup>th</sup> BoS meeting and discussed the following agenda

**Agenda:**

1. Approval of course structure for I year UG & PG in Civil w.e.f., A.Y.2019-20.
2. Approval of syllabus for I year UG & PG in Civil w.e.f., A.Y.2019-20.
3. Approval of syllabus for the subjects offered to various branches w.e.f. 2019-20.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item with the permission of Chair

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for I year UG & PG in Civil w.e.f., A.Y.2019-20

**Resolution: 1**

After detailed discussion the BoS resolved to approve the course structure for I year UG & PG (Civil) (given in **Annexure –I**) applicable from the A.Y.2019-20.

**Agenda: 2**

Approval of syllabus for I year UG & PG in Civil w.e.f., A.Y.2019-20

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabi framed for the I year B. Tech. & M. Tech. (I & II-Semesters) (given in **Annexure-II**)

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for I year has the following modifications, which are given in the below table.

**I B.Tech**

S. No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Physics	Engineering Physics	0
2	Mathematics – I	Algebra and Calculus	60
3	Engineering Mechanics	Engineering Mechanics	0
4	Physics Lab	Engineering Physics Lab	0
5		Python Programming	100
6		Python Programming Lab	100
7	Workshop Practice Lab	Workshop Practice Lab	0
8	Chemistry	Engineering Chemistry	40

9	Mathematics – II	Differential Equations and Vector Calculus	60
10		Strength of Materials – I	100
11	English	Communicative English	10
12	Engineering Graphics & Design	Engineering Graphics	10
13	Chemistry Lab	Engineering Chemistry Lab	0
14	English Lab	Communicative English Lab	0
15	Indian Constitution	Indian Constitution	0

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
<b>I Year B.Tech CE</b>	<b>15</b>	<b>32.00</b>

**B. Course Relevance**

The course that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Python Programming	19CS0501	Skill Development
2	Python Programming Lab	19CS0502	Skill Development
3	Communicative English	19HS0810	Skill Development
4	Engineering Graphics	19ME0302	Skill Development
5	Engineering Mechanics	19CE0101	Skill Development
6	Communicative English Lab	19HS0811	Skill Development
7	Workshop Practice Lab	19ME0301	Skill Development
8	Indian Constitution	19HS0816	Employability

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for I year has the following modifications, which are given in the below table.

**I M.Tech (Structural Engineering)**

S. No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Advanced Structural Analysis	Advanced Structural Analysis	0

2	Advanced Solid Mechanics	Advanced Solid Mechanics	0
3	Theory of Thin Plates and Shells	Theory of Thin Plates and Shells	100
4	Theory and Applications of Cement Composites	Theory and Applications of Cement Composites	0
5	Theory of Structural Stability	Theory of Structural Stability	0
6	Analytical and Numerical Methods for Structural Engineering	Analytical and Numerical Methods for Structural Engineering	0
7	Structural Health Monitoring	Structural Health Monitoring	100
8	Structural Optimization	Structural Optimization	0
9	Structural Design Lab	Structural Design Lab	0
10	Advanced Concrete Lab	Advanced Concrete Lab	0
11	Research Methodology and IPR	Research Methodology and IPR	100
12	English for Research Paper Writing	English for Research Paper Writing	0
13	FEM in Structural Engineering	FEM in Structural Engineering	0
14	Structural Dynamics	Structural Dynamics	0
15	Advanced Steel Design	Advanced Steel Design	100
16	Design of Formwork	Design of Formwork	0
17	Design of High Rise Structures	Design of High-Rise Structures	100
18	Design of Masonry Structures	Design of Masonry Structures	100
19	Design of Advanced Concrete Structures	Design of Advanced Concrete Structures	60
20	Advanced Design of Foundations	Advanced Design of Foundations	100
21	Soil Structure Interaction	Soil Structure Interaction	100
22	Design of Industrial Structure	Design of Industrial Structure	100
23	Model Testing Lab	Model Testing Lab	100
24	Numerical Analysis Lab	Numerical Analysis Lab	0
25	Mini Project	Mini Project	0
26	Constitution of India	Constitution of India	0

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
<b>I Year M.Tech (SE)</b>	<b>26</b>	<b>40.77</b>

**B. Course Relevance**

The courses that come under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Research Methodology and IPR	19HS0823	Employability
2	Advanced Structural Analysis	19CE1001	Skill Development
3	Advanced Solid Mechanics	19CE1002	Skill Development
4	Theory of Thin Plates and Shells	19CE1008	Skill Development
5	Theory and Applications of Cement Composites	19CE1009	Skill Development
6	Theory of Structural Stability	19CE1010	Skill Development
7	Analytical and Numerical Methods for Structural Engineering	19HS0837	Skill Development
8	Structural Health Monitoring	19CE1011	Skill Development
9	Structural Optimization	19CE1012	Skill Development
10	Structural Design Lab	19CE1003	Skill Development
11	Advanced Concrete Lab	19CE1004	Skill Development
12	English for Research Paper Writing	19HS0818	Skill Development
13	FEM in Structural Engineering	19CE1005	Employability
14	Structural Dynamics	19CE1006	Skill Development
15	Advanced Steel Design	19CE1013	Employability
16	Design of Formwork	19CE1014	Employability
17	Design of High-Rise Structures	19CE1015	Employability
18	Design of Masonry Structures	19CE1016	Employability
19	Design of Advanced Concrete Structures	19CE1017	Employability
20	Advanced Design of Foundations	19CE1018	Employability
21	Soil Structure Interaction	19CE1019	Skill Development
22	Design of Industrial Structure	19CE1020	Employability
23	Model Testing Lab	19CE1007	Skill Development
24	Numerical Analysis Lab	19HS0838	Skill Development
25	Constitution of India	19HS0829	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subjects offered to various branches w.e.f. 2019-20

**Resolution: 3**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabi framed for the subjects offered to various branches (given in **Annexure-III**).

**Agenda: 4**

Approval of Panel of Question Paper setters

**Resolution: 4**

Approved the panel of question paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**

Approval of Panel of Examiners

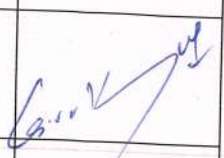


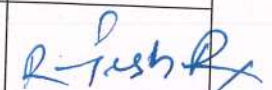
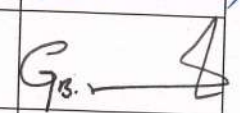
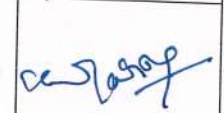
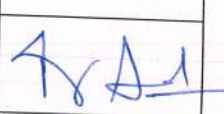
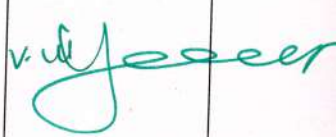

**Resolution: 5**

Approved the panel of examiners prepared for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of Thanks proposed by the Chairman-BoS.



## Members Present

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Mr. C Siva Kumar Prasad	Associate Professor & HOD - SIETK	Chairman	
2	Dr. K Chandrasekhar Reddy	Professor & Principal - SIETK	Member	
3	Dr. G Prabhakaran	Professor - SIETK	Member	
4	Mr. R Rajesh Kumar	Assistant Professor- SIETK	Member	
5	Mr. Vinodh Kumar Balaji	Assistant Professor- SIETK	Member	
6	Dr. M Chandrasekhar	Professor, NIT Warangal.	Member	
7	Dr. D V Prasada Rao	Professor, SV University, Tirupati.	Member	
8	Dr. B Krishna Prapoorna	Associate Professor, IIT Tirupati.	Member	ABSENT
9	Er. V Vidya Suman	Deputy Executive Engineer, Govt. of Telangana, Irrigation & CAD Dept., Engineer in Chief (I), Jalasoudha, Errammanzil, Hyderabad.	Member	
10	Mr. M Murali	Assistant Professor , Sree Rama Engineering College, Karakambadi Road, Tirupati.	Member	

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR****(AUTONOMOUS)****5<sup>th</sup> BoS Meeting of Civil Engineering (CE)**

Date: 28-08-2020

The 5<sup>th</sup> meeting of Board of Studies (BoS) in Civil Engineering is held on 28<sup>th</sup> August 2020 (Friday) at 10:30 A.M in the Department of Civil Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Mr. C. Siva Kumar Prasad, Chairman BOS chaired the meeting and welcomed all the members to the 5<sup>th</sup> BoS meeting and discussed the following agenda

**Agenda:**

1. Approval of course structure for III year UG in Civil w.e.f., A.Y.2020-21 under R18 Regulation
2. Approval of course structure for II year UG & PG in Civil w.e.f., A.Y.2020-21 under R19 Regulation
3. Approval of course structure for I & II year PG in Civil w.e.f., A.Y.2020-21 under R20 Regulation
4. Approval of syllabus for III year UG in Civil w.e.f., A.Y.2020-21 under R18 Regulation
5. Approval of syllabus for II year UG & PG in Civil w.e.f., A.Y.2020-21 under R19 Regulation
6. Approval of syllabus for I & II year PG in Civil w.e.f., A.Y.2020-21 under R20 Regulation

7. Approval of syllabus for the subjects offered to various branches w.e.f. 2020-21 under R18, R19 & R20 Regulation
8. Approval of Panel of Question Paper setters under R18, R19 & R20 Regulation
9. Approval of Panel of Examiners under R18, R19 & R20 Regulation
10. Any other item with the permission of Chair

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for III year UG in Civil w.e.f., A.Y.2020-21 under R18 Regulation

**Resolution: 1**

After detailed discussion the BoS resolved to approve the course structure for III year UG in Civil (given in **Annexure –I**) applicable for the A.Y.2020-21 under R18 Regulation

**Agenda: 2**

Approval of course structure for II year UG & PG in Civil w.e.f., A.Y.2020-21 under R19 Regulation

**Resolution: 2**

After detailed discussion the BoS resolved to approve the course structure for II year UG & PG in Civil (given in **Annexure –I**) applicable for the A.Y.2020-21 under R19 Regulation

**Agenda: 3**

Approval of course structure for I & II year PG in Civil w.e.f., A.Y.2020-21 under R20 Regulation

**Resolution: 3**

After detailed discussion the BoS resolved to approve the course structure for I & II year PG in Civil (given in **Annexure –I**) applicable for the A.Y.2020-21 under R20 Regulation

**Agenda: 4**

Approval of syllabus for III year UG in Civil w.e.f., A.Y.2020-21 under R18 Regulation

**Resolution: 4**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabi framed for the III year B. Tech. (I & II-Semester) (given in **Annexure-II**) under R18 Regulation

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for III year has the following modifications, which are given in the below table.

**III B.Tech**

S. No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Hydraulics & Hydraulic Machinery	Hydraulic Engineering	30
2	Surveying Lab – II	Surveying Lab – II	0
3	Design & Drawing of Reinforced Concrete Structures	Structural Design	40
4	Water Resources Engineering – I	Hydrology & Water Resources Engineering	50
5	Geotechnical Engineering – II	Geotechnical Engineering	60
6	Concrete Technology Lab	Construction Materials Lab	0
7	Aptitude Practice-I	Aptitude Practices	0
8	Transportation Engineering– I	Transportation Engineering	60
9	Geotechnical Engineering Lab	Geotechnical Engineering Lab	0
10	Transportation Engineering Lab	Transportation Engineering Lab	0
11	Environmental Engineering	Environmental Engineering	10
12	Estimation, Costing and Valuation	Estimation, Costing and Valuation	40
13	Advanced English Language and Communication Skills Lab	English for Corporate Communication Skills Lab	0
14	Non-Conventional Energy Resources	Non-Conventional Energy Resources	0

15	Environmental Engineering Lab	Environmental Engineering Lab	0
16	Advanced Foundation Engineering	Foundation Engineering	65
17	Construction Technology and Project Management	Construction Project Management	70
18		Industrial Instrumentation	100
19		Introduction to IOT	100
20		Python Programming	100
21		Water Technology	100
22		Maintenance & Rehabilitation of Structures	100
23		Intellectual Property Rights	100
24		Mini Project	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
III Year B.Tech CE	24	46.88

**B. Course Relevance**

The course that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Hydraulic Engineering	18CE0114	Skill Development
2	Structural Design	18CE0115	Employability
3	Geotechnical Engineering	18CE0116	Skill Development
4	Hydrology & Water Resources Engineering	18CE0117	Skill Development
5	Estimation, Costing and Valuation	18CE0118	Employability
6	Geotechnical Engineering Lab	18CE0119	Skill Development
7	Construction Materials Lab	18CE0120	Skill Development
8	Surveying Lab – II	18CE0121	Skill Development
9	Aptitude practices	18HS0842	Skill Development
10	Construction Project Management	18CE0122	Skill Development
11	Environmental Engineering	18CE0123	Employability
12	Transportation Engineering	18CE0124	Employability
13	Foundation Engineering	18CE0133	Skill Development
14	Water Technology	18CE0134	Skill Development
15	Maintenance & Rehabilitation of Structures	18CE0135	Skill Development
16	Industrial Instrumentation	18EE0234	Skill Development
17	Non-Conventional Energy Resources	18ME0307	Skill Development

18	Introduction to IOT	18EC0449	Skill Development
19	Python Programming	18CS0517	Skill Development
20	Intellectual Property Rights	18HS0814	Skill Development
21	Transportation Engineering Lab	18CE0125	Skill Development
22	Environmental Engineering Lab	18CE0126	Skill Development
23	Mini project	18CE0130	Skill Development
24	English for Corporate Communication skills lab	18HS0859	Skill Development

**Agenda: 5**

Approval of syllabus for II year UG & PG in Civil w.e.f., A.Y.2020-21 under R19 Regulation

**Resolution: 5**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabi framed for the II year B. Tech. (I & II-Semester) & II year M. Tech. (I & II-Semester) (given in Annexure-II) under R19 Regulation

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for II year has the following modifications, which are given in the below table.

**II B.Tech**

S. No	R18 Regulation	R19 Regulation	Percentage of course content changed
1		Numerical Methods, Probability & Statistics	100
2	Introduction to Civil Engineering	Building Materials & Construction	50
3	Introduction to Solid Mechanics	Strength of Materials – I	10
4	Introduction to Fluid Mechanics	Fluid Mechanics	30
5	Solid Mechanics Lab	Strength of Materials Lab	5
6	Fluid Mechanics Lab	Fluid Mechanics & Hydraulic Machinery Lab	15

7	Computer Aided Building Drawing	Computer Aided Drawing Lab	0
8	Environmental Science	Environmental Science	0
9	Mechanical Engineering	Fundamentals of Mechanical Engineering	70
10	Engineering Geology	Engineering Geology	20
11	Surveying & Geomatics	Surveying & Geomatics	20
12	Mechanics of Solids	Strength of Materials - II	50
13	Engineering Geology Lab	Engineering Geology Lab	0
14	Surveying Lab – I	Surveying Lab	60
15	Industrial Instrumentation	Industrial Instrumentation	0
16	Python Programming	Python Programming	0
17	Intellectual Property Rights	Intellectual Property Rights	0
18	Essence of Indian Traditional Knowledge	Essence of Indian Traditional Knowledge	0
19		Structural Analysis	100
20		GIS Lab	100
21		Generation of Energy through Waste	100
22		Introduction to Communication Systems	100
23		Relational Database Management System	100
24		Management Science	100
25		Mechanical Measurements & Control Systems	100
26		Element of Embedded Systems	100
27		Java Programming	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
II Year B.Tech CE	27	49.26

**B. Course Relevance**

The course that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.



S.No	Course Title	Course Code	Relevance
1	Basic Electrical & Mechanical Engineering	19ME0345	Employability
2	Strength of Materials - II	19CE0103	Skill Development
3	Surveying & Geomatics	19CE0104	Employability
4	Building Materials & Construction	19CE0105	Skill Development
5	Generation of Energy through Waste	19EE0238	Skill Development
6	Fundamentals of Mechanical Engineering	19ME0349	Skill Development
7	Introduction to Communication Systems	19EC0448	Skill Development
8	Relational Database Management System	19CS0550	Skill Development
9	Management Science	19HS0813	Employability
10	Strength of Materials Lab	19CE0106	Skill Development
11	Surveying Lab	19CE0107	Skill Development
12	Computer Aided Drawing Lab	19CE0108	Skill Development
13	Environmental Science	19HS0805	Skill Development
14	Fluid Mechanics	19CE0109	Skill Development
15	Engineering Geology	19CE0110	Skill Development
16	Structural Analysis	19CE0111	Employability
17	Industrial Instrumentation	19EE0233	Skill Development
18	Mechanical Measurements & Control Systems	19ME0350	Skill Development
19	Element of Embedded Systems	19EC0449	Skill Development
20	Java Programming	19CS0551	Skill Development
21	Intellectual Property Rights	19HS0814	Skill Development
22	Fluid Mechanics & Hydraulic Machinery Lab	19CE0112	Skill Development
23	Engineering Geology Lab	19CE0113	Skill Development
24	GIS Lab	19CE0114	Skill Development
25	Essence of Indian Traditional Knowledge	19HS0817	Entrepreneurship

### A. Course & Syllabus Comparison

With reference to the R18 regulations, the new regulation (R19) syllabus for II year has the following modifications, which are given in the below table.

#### II M.Tech (Structural Engineering)

S. No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Design of Prestressed Concrete Structures	Design of Prestressed Concrete Structures	50

2	Analysis of Laminated Composite Plates	Analysis of Laminated Composite Plates	0
3	Fracture Mechanics of Concrete Structures	Fracture Mechanics of Concrete Structures	0
4	Design of Plates and Shells	Design of Plates and Shells	0
5	Business Analytics	Business Analytics	100
6	Industrial Safety	Industrial Safety	0
7	Advances in Operations Research	Advances in Operations Research	100
8	Composite Materials	Composite Materials	100
9	Waste to Energy	Waste to Energy	0

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
<b>II Year M.Tech (SE)</b>	<b>9</b>	<b>38.29</b>

**B. Course Relevance**

The course that comes under the category of Employability, Skill or Entrepreneurship development is shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Design of Prestressed Concrete Structures	19CE1021	Employability
2	Analysis of Laminated Composite Plates	19CE1022	Skill Development
3	Fracture Mechanics of Concrete Structures	19CE1023	Skill Development
4	Design of Plates and Shells	19CE1024	Employability
5	Business Analytics	19HS0824	Skill Development
6	Industrial Safety	19ME3121	Skill Development
7	Advances in Operations Research	19ME3021	Skill Development
8	Composite Materials	19ME3022	Skill Development
9	Waste to Energy	19EE2128	Skill Development
10	Dissertation Phase-I	19CE1026	Employability
11	Dissertation Phase-II	19CE1027	Employability

**Agenda: 6**

Approval of syllabus for I & II year PG in Civil w.e.f., A.Y.2020-21 under R20 Regulation

**Resolution: 6**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabi framed for the I & II year M. Tech. (I & II-Semester) (given in **Annexure-II**) under R20 Regulation

**A. Course & Syllabus Comparison**

With reference to the R19 regulations, the new regulation (R20) syllabus for I & II year has the following modifications, which are given in the below table.

**I & II Year M.Tech (Structural Engineering)**

S. No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Research Methodology and IPR	Research Methodology and IPR	40
2	Advanced Structural Analysis	Advanced Structural Analysis	40
3	Advanced Solid Mechanics	Advanced Solid Mechanics	0
4	Theory of Thin Plates and Shells	Theory of Thin Plates and Shells	100
5	Theory and Applications of Cement Composites	Theory and Applications of Cement Composites	60
6	Theory of Structural Stability	Theory of Structural Stability	0
7	Analytical and Numerical Methods for Structural Engineering	Analytical and Numerical Methods for Structural Engineering	0
8	Structural Health Monitoring	Structural Health Monitoring	0
9	Structural Optimization	Structural Optimization	100
10	Structural Design Lab	Structural Design Lab	0
11	Advanced Concrete Lab	Advanced Concrete Lab	50
12	English for Research Paper Writing	English for Research Paper Writing	0
13	FEM in Structural Engineering	FEM in Structural Engineering	0
14	Structural Dynamics	Structural Dynamics	0
15	Advanced Steel Design	Advanced Steel Design	100

16	Design of Formwork	Design of Formwork	0
17	Design of High-Rise Structures	Design of High-Rise Structures	0
18	Design of Masonry Structures	Design of Masonry Structures	100
19	Design of Advanced Concrete Structures	Design of Advanced Concrete Structures	0
20	Advanced Design of Foundations	Advanced Design of Foundations	0
21	Soil Structure Interaction	Soil Structure Interaction	100
22	Design of Industrial Structure	Design of Industrial Structure	0
23		Structural Dynamics lab (Virtual Lab)	100
24	Numerical Analysis Lab	Numerical Analysis Lab	0
25	Constitution of India	Constitution of India	0
26	Design of Prestressed Concrete Structures	Design of Prestressed Concrete Structures	0
27	Analysis of Laminated Composite Plates	Analysis of Laminated Composite Plates	0
28	Fracture Mechanics of Concrete Structures	Fracture Mechanics of Concrete Structures	0
29	Design of Plates and Shells	Design of Plates and Shells	0
30	Business Analytics	Business Analytics	0
31	Industrial Safety	Industrial Safety	0
32	Advances in Operations Research	Advances in Operations Research	0
33	Composite Materials	Composite Materials	0
34	Waste to Energy	Waste to Energy	0

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
<b>I &amp; II Year M.Tech (S.E)</b>	<b>34</b>	<b>27.24</b>

**B. Course Relevance**

The course that comes under the category of Employability, Skill or Entrepreneurship development is shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Research Methodology and IPR	20HS0823	Skill Development
2	Advanced Structural Analysis	20CE1001	Employability
3	Advanced Solid Mechanics	20CE1002	Skill Development
4	Theory of Thin Plates and Shells	20CE1008	Skill Development
5	Theory and Applications of Cement Composites	20CE1009	Skill Development
6	Theory of Structural Stability	20CE1010	Skill Development
7	Analytical and Numerical Methods for Structural Engineering	20HS0837	Skill Development
8	Structural Health Monitoring	20CE1011	Skill Development
9	Structural Optimization	20CE1012	Skill Development
10	Structural Design Lab	20CE1003	Skill Development
11	Advanced Concrete Lab	20CE1004	Employability
12	English for Research Paper Writing	20HS0818	Skill Development
13	FEM in Structural Engineering	20CE1005	Employability
14	Structural Dynamics	20CE1006	Skill Development
15	Advanced Steel Design	20CE1013	Employability
16	Design of Formwork	20CE1014	Employability
17	Design of High-Rise Structures	20CE1015	Employability
18	Design of Masonry Structures	20CE1016	Employability
19	Design of Advanced Concrete Structures	20CE1017	Employability
20	Advanced Design of Foundations	20CE1018	Employability
21	Soil Structure Interaction	20CE1019	Skill Development
22	Design of Industrial Structure	20CE1020	Employability
23	Structural Dynamics lab (Virtual Lab)	20CE1007	Skill Development
24	Numerical Analysis Lab	20HS0838	Skill Development
25	Mini Project	20CE1025	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

#### **Agenda: 7**

Approval of syllabus for the subjects offered to various branches w.e.f. 2020-21 under R18, R19 & R20 Regulation

**Resolution: 7**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabi framed for the subjects offered to various branches w.e.f. 2020-21 under R18, R19 & R20 Regulation (given in **Annexure-III**).

**Agenda: 8**

Approval of Panel of Question Paper setters under R18, R19 & R20 Regulation

**Resolution: 8**

Approved the Panel of Question Paper setters under R18, R19 & R20 Regulation (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 9**

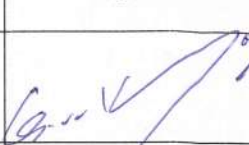


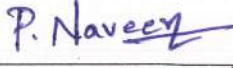




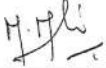
Approval of Panel of Examiners under R18, R19 & R20 Regulation

**Resolution: 9**

Approved the Panel of Examiners prepared for valuation under R18, R19 & R20 Regulation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with Vote of Thanks proposed by the Chairman-BoS.

## Members Present

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Mr. C Siva Kumar Prasad	Associate Professor & HOD – SIETK	Chairman	
2	Dr. K Chandrasekhar Reddy	Professor & Principal – SIETK	Member	
3	Dr. G Prabhakaran	Professor – SIETK	Member	
4	Mr. P Naveen	Assistant Professor- SIETK	Member	
5	Mrs. Asha Latha	Assistant Professor- SIETK	Member	
6	Dr. M Chandrasekhar	Professor, NIT, Warangal	Member	
7	Dr. D V Prasada Rao	Professor, SV University, Tirupati	Member	
8	Dr. B Krishna Prapoorna	Associate Professor, IIT Tirupati	Member	
9	Er. V Vidya Suman	Deputy Executive Engineer, Govt. of Telangana, Irrigation & CAD Dept., Engineer in Chief (I), Jalasoudha, Errammanzil, Hyderabad	Member	
10	Mr. M Murali	Assistant Professor , Sree Rama Engineering College, Karakambadi Road, Tirupati	Member	

भारतीय प्रौद्योगिकी संस्थान तिरुपति



**TIRUPATI**

**B. KRISHNA PRAPOORNA, Ph.D., F.IRF., M.ASCE**

**Associate Professor – Transportation Engineering**  
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19 September 2020

Mr. C. Siva Kumar Prasad, M.Tech (Ph.D.)

Chairman, Board of Studies

Department of Civil Engineering

Siddharth Institute of Engineering & Technology, Puttur, Andhra Pradesh

Re: Participation in Board of Studies online meeting held on 28 August 2020

As a Member of the Board of Studies, Department of Civil Engineering, Siddharth Institute of Engineering & Technology, Puttur, I confirm my participation in the Combined & Department Board of Studies meeting held on 28 August 2020 through online mode (Zoom platform). Further, I approve the course structures and syllabi for the following curricula.

1. R18 Regulation – B.Tech – III Year
2. R19 Regulation – B.Tech – II Year
3. R20 Regulation – B.Tech – I Year
4. R19 Regulation – M.Tech – II Year
5. R20 Regulation – M.Tech – I & II Years

Sincerely,

Prof. B. Krishna Prapoorna, Ph.D., F.IRF., M.ASCE



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR****(AUTONOMOUS)****6<sup>th</sup> BOS Meeting of Civil Engineering (CE)**

Date: 19-01-2021

The 6<sup>th</sup> meeting of Board of Studies (BOS) in Civil Engineering is held on 19<sup>th</sup> January 2021 (Tuesday) at 10:30 A.M in the Department of Civil Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Mr. C. Siva Kumar Prasad, Chairman BOS chaired the meeting and welcomed all the members to the 6<sup>th</sup> BOS meeting and discussed the following agenda:

**Agenda**

1. Approval of course structures for I year UG in Civil w.e.f., A.Y.2020-21.
2. Approval of syllabus for I year UG in Civil w.e.f., A.Y.2020-21.
3. Approval of syllabus for the subjects offered to various branches w.e.f. 2020-21.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item with the permission of Chair

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for I year UG in Civil w.e.f., A.Y.2020-21

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for I year UG in Civil (given in **Annexure –I**) applicable from the A.Y.2020-21.

**Agenda: 2**

Approval of syllabus for I year UG in Civil w.e.f., A.Y.2020-21

**Resolution: 2**

After the thorough discussion, syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I year B. Tech. (given in **Annexure-II**)

**A. Course & Syllabus Comparison**

With reference to the R19 regulations, the new regulation (R20) syllabus for 1<sup>st</sup> year has the following modifications, which are given in the below table.

**I B.Tech**

S. No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Engineering Physics	Engineering Physics	20
2	Algebra and Calculus	Algebra and Calculus	30
3	Communicative English	Communicative English	0
4	Engineering Mechanics	Engineering Mechanics	65
5	Engineering Physics Lab	Engineering Physics Lab	0
6	Communicative English Lab	Communicative English Lab	0
7	Workshop Practice Lab	Workshop Practice Lab	0

8	Engineering Chemistry	Engineering Chemistry	20
9	Differential Equations and Vector Calculus	Differential Equations and Complex Analysis	40
10	Engineering Graphics	Engineering Graphics	0
11	Engineering Chemistry Lab	Engineering Chemistry Lab	10
12	Basic Electrical & Mechanical Engineering	Basic Electrical and Mechanical Engineering	0
13	Building Materials & Construction	Engineering Materials	50
14		C Programming and Data Structures	100
15		C Programming and Data Structures Lab	100
16		Basic Electrical and Mechanical Engineering Lab	100
17		Indian Constitution	0

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
<b>I Year B.Tech CE</b>	<b>17</b>	<b>31.42</b>

**B. Course Relevance**

The courses that come under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Basic Electrical and Mechanical Engineering	20ME0351	Employability
2	C Programming and Data Structures	20CS0501	Skill Development
3	Engineering Materials	20CE0101	Employability
4	Basic Electrical and Mechanical Engineering Lab	20ME0352	Skill Development
5	C Programming and Data Structures Lab	20CS0502	Skill Development
6	Communicative English	20HS0810	Skill Development
7	Engineering Graphics	20ME0301	Skill Development
8	Engineering Mechanics	20CE0102	Skill Development
9	Communicative English Lab	20HS0811	Skill Development
10	Workshop Practice Lab	20ME0302	Skill Development
11	Indian Constitution	20HS0816	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subjects offered to various branches w.e.f. 2020-21

**Resolution: 3**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the subjects offered to various branches (given in **Annexure-III**).

**Agenda: 4**

Approval of Panel of Question Paper setters

**Resolution: 4**

Approved the panel of question paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.









**Agenda: 5**

Approval of Panel of Examiners

**Resolution: 5**

Approved the panel of examiners prepared for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with Vote of Thanks proposed by the Chairman-BOS.

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Mr.C.Siva Kumar Prasad	Associate Professor & HOD – SIETK	Chairman	
2	Dr.K.Chandrasekhar Reddy	Professor & Principal – SIETK	Member	
3	Dr.G.Prabhakaran	Professor – SIETK	Member	
4	Mrs.K.Asha Latha	Assistant Professor- SIETK	Member	
5	Mr.A.Mohan	Assistant Professor- SIETK	Member	
6	Dr. M Chandrasekhar	Professor, NIT, Warangal	Member	
7	Dr. D V Prasada Rao	Professor, SV University, Tirupati	Member	
8	Dr. B Krishna Prapoorna	Associate Professor, IIT Tirupati	Member	
9	Er. V Vidya Suman	Deputy Executive Engineer, Govt. of Telangana, Irrigation & CAD Dept., Engineer in Chief (I), Jalasoudha, Errammanzil, Hyderabad	Member	ABSENT
10	Mr. M Murali	Assistant Professor, Sree Rama Engineering College, Karakambadi Road, Tirupati	Member	

भारतीय प्रौद्योगिकी संस्थान तिरुपति



**TIRUPATI**

**B. KRISHNA PRAPOORNA, Ph.D., F.IRF**

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21 January 2021

Mr. C. Siva Kumar Prasad, M.Tech (Ph.D.)

Chairman, Board of Studies

Department of Civil Engineering

Siddharth Institute of Engineering & Technology, Puttur, Andhra Pradesh

Re: Participation in Board of Studies online meeting held on 19 January 2021

As a Member of the Board of Studies, Department of Civil Engineering, Siddharth Institute of Engineering & Technology, Puttur, I confirm my participation in the Combined & Department Board of Studies meeting held on 19 January 2021 through online mode (Zoom platform). Further, I approve the course structures and syllabi for the following curriculum.

1. R20 Regulation – B.Tech – I Year

Sincerely,

Krishna Prapoorna

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR  
(AUTONOMOUS)**

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**1<sup>st</sup> BoS Meeting of Electrical and Electronics Engineering (EEE)**

Date: 08-07-2016

The 1<sup>st</sup> meeting of Board of Studies (BoS) Electrical and Electronics Engineering is held on 8<sup>th</sup> July, 2016 at 1.30 PM in the Department of Electrical and Electronics Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor-Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum

Prof. N.Ramesh Raju, Chairman BoS chaired the meeting and welcomed all the members to the second BoS meeting and discussed about the following agenda.

**Agenda:**

1. Preparation of course structure for UG & PG in EEE w.e.f., 2016-17.
2. Preparation of syllabi for I & II year UG & PG in EEE w.e.f., 2016-17.
3. Preparation of syllabi for the subjects offered to other branches w.e.f., 2016-17.
4. Suggesting panel of question paper setters.
5. Suggesting panel of examiners.
6. Any other item.

After a brief introduction of the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda 1 :**

Preparation of course structure for UG & PG in EEE w.e.f., 2016-17.

**Resolution1:**

After detailed discussion, the course structure for in for UG & PG in EEE is prepared (given in **Annexure-I**) and is applicable from the A.Y., 2016-17.

**Agenda 2 :**

Preparation of syllabi for I & II year UG & PG in EEE w.e.f., 2016-17.

**Resolution2:**

After the thorough discussion, syllabi was formulated to make the students acquire the required technical knowledge and skills. The syllabi framed for the I & II year of UG & PG in EEE (given in **Annexure –II** ) and is applicable from the A.Y., 2016-17.

**A. Course & Syllabus Comparison**

With reference to the R15 regulations, the new regulation (R16) syllabus for I&II B.Tech I & II M.Tech has the following modifications which are given in the below table.

**I & II B.Tech**

S.No	R15 Regulation	R16 Regulation	% of course content changed
1	Functional English	Functional English	100
2	Mathematics – I	Engineering Mathematics-I	50
3	Computer Programming	Computer Programming	60
4	Engineering Physics	Engineering Physics	0
5	Engineering Drawing	Engineering Graphics	20
6	English Language Communication Skills Lab	English Language and Communication Skills Lab	10
7	Engineering Physics Lab	Engineering Physics Lab	0
8	Computer Programming Lab	Computer Programming Lab	10
9	Mathematics – II	Engineering Mathematics-II	20
10	English for Professional Communication	Professional English	40
11	Engineering Chemistry	Engineering Chemistry	10
12	Environmental Studies	Environmental Studies	20
13	Electrical Circuits – I	Electrical Circuits	0
14	Engineering Chemistry Lab	Engineering Chemistry Lab	0
15	Electrical Circuits Lab	Electrical Circuits Lab	0



16	Engineering & IT Workshop	Engineering & IT Workshop Lab	20
17	Mathematics –III	Engineering Mathematics-III	50
18	Electrical Circuits – II	Network Analysis & synthesis	30
19	Electrical Machines – I	Electrical Machines –I	20
20	Control Systems Engineering	Linear Control Systems	0
21	Electronic Devices & Circuits	Basic Electronic Devices	5
22	Data Structures	Data Structures through C	0
23	Electric Circuits Simulation Laboratory	Network Analysis & synthesis Lab	60
24	Electronic Devices & Circuits Laboratory	Basic Electronic Devices Lab	0
25	Managerial Economics and Financial Analysis	Managerial Economics and Financial Analysis	0
26	Electrical Machines – II	Electrical Machines –II	20
27	Electrical Power Generating Systems	Generation of Electric Power	0
28	Electromagnetic Fields	Electromagnetic Fields	0
29	Analog Electronic Circuits	Electronic Analog Circuits	0
30		Fluid Mechanics & Hydraulic Machinery	100
31		Fluid Mechanics & Hydraulic Machinery Lab	100
32		Probability & Statistics	100
33		Analog Electronic Circuits Lab	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
EEE B.Tech I&II Year	33	28.63

**I & II M.Tech**

S.No	R12 Regulation	R16 Regulation	% of course content changed
<b>CS</b>			
1	Modern Control Theory	System Theory	0
2	Digital Control Systems	Digital Control Systems	0
3	Robot Modeling and Control	Robot Modeling Control	0
4	Advanced Instrumentation Systems	Advanced Instrumentation Systems	20
5	Principles of Machine Modeling and Analysis	Principles of Machine Modeling and Analysis	0
6	Advanced Microprocessors and Microcontrollers	micro controllers and interfacing	100
7	Control Systems Lab	Control System Lab	0
8	Estimation of Signals and Systems	Sensors and Signal Conditioning	100
9	Non - Linear Control Theory.	Non-Linear Control Theory	0
10	Optimal Control	Optimal Control Theory	0
11	Advanced Digital Signal Processing	Advanced Digital Signal Processing	20
12	Adaptive and Learning Control	Adaptive Learning and Control	0
13	Robust Control	Robust Control	0
14	Process Dynamics and Control	Process Dynamic and Control	0
15	Control System Simulation Lab	Advanced Control Systems Lab	0
16		Soft Computing Techniques	100
17		Power Plant Instrumentation	100
<b>PE</b>			
18	Modern Control Theory	System Theory	0
19	Microprocessor and Microcontrollers	Micro Controllers and Interfacing	100
20	Principles of Machine modeling Analysis	Principles of Machine Modeling and Analysis	0
21	Analysis of Power Electronic Converters	Analysis of Power Electronic Converters	0
22	Power Electronic Control of DC Drives	Power Electronic Control of DC Drives	0
23	Advanced Digital Signal Processing	Advanced Digital Signal Processing	20
24	Neural Networks and Fuzzy Systems	Neural Networks and Fuzzy Logic	0
25	Power Converters Lab	Power Converters-I Lab	0
26	Flexible AC Transmission Systems	Flexible AC Transmission Systems	0

27	HVDC Transmission	HVDC Transmission	0
28	Power Electronic Control of AC Drives	Power Electronic Control of AC Drives	0
29	Advanced Power Semiconductor Devices & Protection	Advanced Power Semiconductor Devices & protection	0
30	Modern Power Electronics	modern power electronics	
31	Energy Auditing, Conservation And Management	Energy Auditing Conversation and Management	0
32	Electrical Systems Simulation Lab	Power Converters-II Lab	100
33		Special Machines	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CS&PE M.Tech I&II Year	33	23.75

### B. Course Relevance

The courses that come under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Functional English	16HS601	Skill development
2	Computer Programming	16CS501	Skill development
3	Computer Programming Lab	16CS502	Skill development
4	Human Values & Professional Ethics	16HS606	Employability
5	Engineering & IT Workshop Lab	16ME301	Employability
6	Engineering Graphics	16ME302	Employability
7	Professional English	16HS610	Skill development
8	Electrical Circuits	16EE201	Employability
9	English Language and Communication Skills Lab	16HS607	Skill development
10	Electrical Circuits Lab	16EE202	Employability
11	environmental studies	16HS605	Employability
12	Network Analysis & synthesis	16EE203	Employability
13	Basic Electronic Devices	16EC401	Employability
14	Generation of Electric Power	16EE210	Employability
15	Electrical Machines –I	16EE211	Employability
16	Network Analysis & synthesis Lab	16EE204	Employability
17	Basic Electronic Devices Lab	16EC405	Employability
18	Data Structures through C	16CS503	Skill development

19	fluid mechanics and hydraulic machinery	16CE112	Skill development
20	Electromagnetic Fields	16EE214	Employability
21	Electronic Analog Circuits	16EC411	Employability
22	Electrical Machines –II	16EE215	Employability
23	Electrical Machines-I Lab	16EE217	Employability
24	Analog Electronic Circuits Lab	16EC414	Employability
25	Comprehensive Soft Skills	16HS614	Skill development
26	Fluid mechanics and hydraulic machinery lab	16CE116	Skill development
<b>I &amp; II M.Tech</b>			
27	Principles of Machine Modelling and Analysis	16EE4301	Employability
28	Micro Controllers and Interfacing	16EC5501	Employability
29	System Theory	16EE7501	Employability
30	Analysis of Power Electronic Converters	16EE4302	Employability
31	Power Electronic Control of DC Drives	16EE4303	Employability
32	Advanced Digital Signal Processing	16EE4304	Employability
33	Neural Networks and Fuzzy Logic	16EE4305	Employability
34	Power Converters-I Lab	16EE4306	Skill development
35	Power Electronic Control of AC Drives	16EE4307	Employability
36	Advanced Power Semiconductor Devices	16EE4308	Employability
37	Flexible AC Transmission Systems	16EE4309	Employability
38	modern power electronics	16EE4310	Employability
39	HVDC Transmission	16EE4311	Employability
40	Special Machines	16EE4312	Employability
41	Energy Auditing Conversation and Management	16EE4313	Entrepreneurship
42	Seminar	16EE4315	Skill development
43	Project work	16EE4316	Employability
44	Power Converters-II Lab	16EE4314	Skill development
45	System Theory	16EE7501	Employability
46	micro controllers and interfacing	16EC5501	Employability
47	Digital Control Systems	16EE7502	Employability
48	Soft Computing Techniques	16EE7503	Employability
49	Robot Modelling Control	16EE7504	Employability
50	Advanced Instrumentation Systems	16EE7505	Employability
51	Principles of Machine Modelling and Analysis	16EE4301	Employability
52	Sensors and Signal Conditioning	16EE7506	Employability
53	Control System Lab	16EE7507	Skill development
54	Process Dynamic and Control	16EE7508	Employability
55	Non-Linear Control Theory	16EE7509	Employability
56	Optimal Control Theory	16EE7510	Employability
57	Advanced Digital Signal	16EE7511	Employability
58	Adaptive Learning and Control	16EE7512	Employability

59	Robust Control	16EE7513	Employability
60	Power Plant Instrumentation	16EE7514	Employability
61	Industrial Instrumentation	16EE7515	Employability
62	Advanced Control Systems Lab	16EE7516	Skill development
63	Seminar	16EE7517	Skill development
64	Project work	16EE7518	Employability

Modifications described above are carried out to the curriculum after discussion in the BOS by considering the feedback/suggestions from the stake holders viz. student , alumni, faculty and employers.

**Agenda 3 :**

Preparation of syllabi for the subjects offered to other branches w.e.f., 2016-17.

**Resolution3:**

After the through discussion syllabi was prepared and finalized for the subjects offered to other branches (given in **Annexure-III**).

**Agenda 4 :**

Suggesting panel of question paper setters.

**Resolution4:**

The panel of question paper setters was suggested (given in **Annexure-IV**).

**Agenda 5 :**











Suggesting panel of examiners.

**Resolution5:**

The panel of examiners was suggested (given in **Annexure-V**).

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by the chairman.

## Members Present

S. No.	Name of the Member	Designation/Organization	Role in the BOS	Signature
1	Prof. N.Ramesh Raju	Professor & HOD-SIETK	Chairman	
2	Dr. A.Sreenivasan	Professor -SIETK	Member	
3	Dr.B.Rajani	Professor -SIETK	Member	
4	Mr. Munisekhar Sadu	Associate Professor-SIETK	Member	
5	Mr. J.Yungandhar	Assistant Professor- SIETK	Member	
6	Dr. P. Lakshmi	Professor, Dept. of EEE, Anna University, Madras	Member	
7	Dr.G.V.Marutheswar	Professor, Dept. of EEE, S.V.University, Tirupathi.	Member	
8	Dr. Ch. Changaiah	Professor , Dept. of EEE, S.V. University, Tirupati	Member	
9	Sri P.Balaji	Assistant Divisional Engineer APTRANCO, Sullurupet 220 KV Substation	Member	
10	Miss. K. Yamini	Assistant Engineer(AE), APTRANCO, 132 KV Substation, Gurramkonda, Madanapalli.	Member	

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR  
(AUTONOMOUS)**

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**2<sup>nd</sup>BoS Meeting of Electrical and Electronics Engineering (EEE)**

Date: 23-12-2017

The 2<sup>nd</sup> meeting of Board of Studies (BoS) Electrical and Electronics Engineering is held on 23<sup>rd</sup> December, 2017 at 10.00 AM in the Department of Electrical and Electronics Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor-Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum

Mr. N.Ramesh Raju, Chairman BoS chaired the meeting and welcomed all the members to the second BoS meeting and discussed about the following agenda.

1. Preparation of course structure for III & IV year UG in EEE w.e.f., A.Y. 2018-19.
2. Preparation of syllabi for III & IV year UG in EEE w.e.f., A.Y. 2018-19.
3. Preparation of syllabus for the subject offered to other branches w.e.f., A.Y. 2018-19.
4. Suggesting panel of question paper setters.
5. Suggesting panel of examiners.
6. Any other item.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:****Agenda 1 :**

Preparation of course structure for III & IV year UG in EEE w.e.f., A.Y. 2018-19.

**Resolution1:**

After detailed discussion, the course structure for in for III & IV year UG in EEE was prepared (given in **Annexure-I**) and is applicable from the A.Y., 2018-19.

**Agenda 2 :**

Preparation of syllabus for III & IV year UG in EEE w.e.f., 2018-19.

**Resolution2:**

After the thorough discussion, syllabi was formulated to make the students acquire the required technical knowledge and skills. The syllabi framed for the III & IV year of UG in EEE (given in **Annexure –II**) and is applicable from the A.Y., 2018-19.

**A. Course & Syllabus Comparison**

With reference to the R15 regulations, the new regulation (R16) syllabus for III&IV year has the following modifications which are given in the below table.

**III&IV B.Tech**

S.no	R15 Regulation	R16 Regulation	% of course content changed
1	Control Systems Engineering	Linear Control Systems	0
2	Electronic Devices & Circuits	Basic Electronic Devices	5
3	Data Structures	Data Structures through C	0
4	Electric Circuits Simulation Laboratory	Network Analysis & synthesis Lab	60
5	Electronic Devices & Circuits Laboratory	Basic Electronic Devices Lab	0
6	Managerial Economics and Financial Analysis	Managerial Economics and Financial Analysis	0
7	Electrical Machines – II	Electrical Machines –II	20
8	Electrical Power Generating Systems	Generation of Electric Power	0
9	Electromagnetic Fields	Electromagnetic Fields	0
10	Analog Electronic Circuits	Electronic Analog Circuits	0
11	Electrical Machines Laboratory – I	Electrical Machines-I Lab	0
12	Control Systems & Simulation Laboratory	Control Systems and Simulation Lab	0



13	Electrical Measurements	Electrical and Electronic Measurements	0
14	Linear & Digital IC Applications	Linear IC Applications	50
15	Electrical Power Transmission Systems	Electrical Power Transmission Systems	0
16	Power Electronics	Power Electronics	0
17	Electrical Machines – III	Electrical Machines-III	0
18	Digital Circuits and Systems	Digital Signal Processing	100
19	Electrical Machines Laboratory – II	Electrical Machines-II Lab	0
20	Electrical Measurements Laboratory	Electrical Measurements Lab	0
21	Social Values & Ethics	Human Values & Professional Ethics	30
22	Power Semiconductor Drives	Power Semiconductor Drives	0
23	Power System Protection	Switch Gear and Protection	35
24	Microprocessors & Microcontrollers	Microprocessors & Microcontrollers	0
25	Power System Analysis	Power System Analysis	0
26	Neural Networks & Fuzzy Logic	Soft Computing Techniques	0
27	Microprocessors & Microcontrollers Laboratory	Microprocessors and Microcontrollers lab	0
28	Power Electronics & Simulation Laboratory	Power Electronics and Simulation Lab	30
29	Advanced English Language Communication Skills (AELCS) Laboratory	Advanced English Language and Communication Skills Lab.	50
30	Electrical Distribution Systems	Electrical Distribution Systems	0
31	Power System Operation and Control	Power System Operation and Control	0
32	Utilization of Electrical Energy	Utilization of Electrical Power	0
33	Smart Grid	Smart Grid technologies	60
34	Flexible AC Transmission Systems	FACTS Controllers	20
35	Power Quality	Principles of Power Quality	0
36	Power Systems & Simulation Laboratory	Power Systems and Simulation Lab	0
37	Power System Dynamics and Control	Advanced Control Theory	80
38	Industrial Automation & Control	Special Electrical Machines	100

39	HVDC Transmission	HVDC Transmission Systems	0
40	Energy Resources & Technology	Non-Conventional Energy Resources	20
41		Switching Theory and Logic Design	100
42		Mat lab Programming	100
43		Elements of Road Traffic Safety	100
44		Data Base Management Systems	100
45		High Voltage Engineering	100
46		MOOC Courses- Offered by Swayam/NPTEL/NISTE - suggested by the department(Online Courses)	100

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
EEE B.Tech III&IV Year	46	27.39

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Linear Control Systems	16EE216	employability
2	Electrical Power Transmission Systems	16EE218	employability
3	Power Electronics	16EE219	employability
4	Electrical Machines-III	16EE220	employability
5	Switching Theory and Logic Design	16EC402	employability
6	Linear IC Applications	16EC417	skill development
7	Electrical Machines-II Lab	16EE221	skill development
8	Control Systems and Simulation Lab	16EE222	skill development
9	Aptitude Practice-I	16HS616	employability

10	Power Semiconductor Drives	16EE223	employability
11	Electrical and Electronic Measurements	16EE224	employability
12	Switch Gear and Protection	16EE225	employability
13	Power System Analysis	16EE226	employability
14	Microprocessors & Microcontrollers	16EC423	skill development
15	Advanced English Language and Communication Skills Lab.	16HS615	skill development
16	Power Electronics and Simulation Lab	16EE227	skill development
17	Microprocessors and Microcontrollers lab	16EC428	skill development
18	Aptitude Practice-II	16HS617	employability
19	Power System Operation and Control	16EE228	employability
20	Electrical Distribution Systems	16EE229	employability
21	Digital Signal Processing	16EC422	skill development
22	Managerial Economics and Financial Analysis	16MB750	skill development
23	Principles of Power Quality	16EE230	employability
24	HVDC Transmission Systems	16EE231	employability
25	Smart Grid technologies	16EE232	employability
26	Elements of Road Traffic Safety	16CE145	skill development
27	Non-Conventional Energy Resources	16ME313	skill development
28	Mat lab Programming	16EC443	skill development
29	Data Base Management Systems	16CS511	skill development
30	Power Systems and Simulation Lab	16EE233	skill development
31	Electrical Measurements Lab	16EE234	skill development
32	Entrepreneurship Development	16MB751	entrepreneurship
33	Advanced Control Theory	16EE235	employability
34	FACTS Controllers	16EE236	employability
35	Soft Computing Techniques	16EE237	employability

36	Utilization of Electrical Power	16EE238	employability
37	High Voltage Engineering	16EE240	employability
38	Special Electrical Machines	16EE241	employability
39	Seminar	16EE242	skill development
40	Project Work	16EE243	employability
41	Aptitude Practice-I	16HS616	skill development
42	Aptitude Practice-II	16HS617	skill development

Modifications described above are carried out to the curriculum after discussion in the BOS by considering the feedback/suggestions from the stake holders viz. student , alumni, faculty and employers.

**Agenda 3 :**

Preparation of syllabus for the subject offered to other branches w.e.f., 2018-19.

**Resolution3:**

After the through discussion syllabus was prepared for the subject offered to other branches (given in **Annexure-III**) and is applicable from the A.Y., 2018-19.

**Agenda 4 :**

Suggesting panel of question paper setters.

**Resolution4:**

The panel of question paper setters was suggested (given in **Annexure-IV**).

**Agenda 5 :**


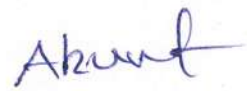





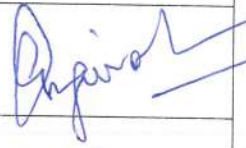


Suggesting panel of examiners.

**Resolution5:**

The panel of examiners for valuation was suggested (given in **Annexure-V**).

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by the chairman-BOS.

## Members Present

S. No.	Members present	Designation/Organization	Role of the BOS	Signature
1	Prof. N.Ramesh Raju	Professor & HOD	Chairman	
2	Dr. A.Sreenivasan	Professor (Control systems)	Member	
3	Dr. B.Rajani	Professor (Power Systems)	Member	
4	Mr. Munisekhar Sadu	Associate Professor (Electrical Machines)	Member	
5	Mr. J. Yungandhar	Assistant Professor (Power Electronics)	Member	
6	Dr. P. Lakshmi	Professor, Dept. of EEE, Anna University, Madras	Member	
7	Dr. G.V. Marutheeswar	Professor, Dept. of EEE, S.V. University, Tirupathi.	Member	
8	Dr. Ch. Chengaiah	Professor, Dept. of EEE, S.V. University, Tirupati	Member	
9	Sri P. Balaji	Assistant Divisional Engineer APTRANCO, Sullurupet 220 KV Substation	Member	
10	Miss. K. Yamini	Assistant Engineer(AE), APTRANCO, 132 KV Substation ,Gurramkonda, Madanapalli.	Member	

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**3<sup>rd</sup>BoS Meeting of Electrical and Electronics Engineering (EEE)**

Date: 18-06-2018

The 3<sup>rd</sup> meeting of Board of Studies (BoS) Electrical and Electronics Engineering is held on 18<sup>th</sup> June, 2018 in the Department of Electrical and Electronics Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor-Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum

Prof. N.Ramesh Raju, Chairman BoS chaired the meeting and welcomed all the members to the third BoS meeting and discussed about the following agenda.

**Agenda:**

1. Approval of course structure for I & II year UG and PG w.e.f., A.Y. 2018-19.
2. Approval of syllabus for I & II year UG and PG in EEE w.e.f., A.Y. 2018-19.
3. Approval of syllabus for the subjects offered to various branches w.e.f., A.Y. 2018-19.
4. Approval of panel of question paper setters.
5. Approval of panel of examiners.
6. Any other item.

After a brief introduction of the agenda items listed above, were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda 1 :**

Approval of course structure for I & II year UG & PG in EEE w.e.f., 2018-19.

**Resolution1:**

After detailed discussion, the BOS resolved to approve the course structure for in for I & II year UG & PG (given in **Annexure-I**) applicable from the A.Y., 2018-19.

**Agenda 2 :**

Approval of Syllabus for I & II year UG & PG in EEE w.e.f., 2018-19.

**Resolution2:**

After the thorough discussion, syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I & II year B.Tech I&II- semesters (given in **Annexure –II** )

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for Ist year has the following modifications which are given in the below table.

**I&II B.Tech**

S.no	R16 Regulation	R18 Regulation	% of course content changed
1	Functional English	English	30
2	Engineering Mathematics-I	Mathematics-I	90
3	Engineering Physics	Physics	20
4	Computer Programming	Programming for problem solving	5
5	Human Values & Professional Ethics	Removed	0
6	Engineering Physics Lab	Physics Lab	0
7	Computer Programming Lab	Programming for problem solving Lab	10
8	Engineering Mathematics-II	Mathematics-II	60
9	Engineering Chemistry	Chemistry	<b>90</b>
10	Engineering Graphics	Engineering graphics and design	10
11	Electrical Circuits	Electrical circuits-I	0
12	English Language and Communication Skills Lab	English Lab	10
13	Engineering Chemistry Lab	Chemistry Lab	0
14	Electrical Circuits Lab	Electrical circuits Lab	0

15	Environmental Studies	Environmental sciences	0
16	Network Analysis & synthesis	Electrical circuits-II	20
17	Generation of Electric Power	Power systems-I	60
18	Electrical Machines –I	Electrical Machines-I	0
19	Network Analysis & synthesis Lab	Electrical circuits simulation lab	10
20	Comprehensive Online Examination-I	Comprehensive Online Examination-I	0
21	Probability & Statistics	Probability & Statistics, Numerical Methods	20
22	Fluid Mechanics & Hydraulic Machinery	Thermal and fluid engineering	20
23	Electromagnetic Fields	Electromagnetic Fields	0
24	Electronic Analog Circuits	Analog Electronic Circuits	0
25	Electrical Machines –II	Electrical Machines –II	0
26	Electrical Machines-I Lab	Electrical Machines-I Lab	0
27	Fluid Mechanics & Hydraulic Machinery Lab	Thermal and fluid engineering Lab	10
28	Linear IC Applications	Digital Electronics	90
29		Induction Program (3 weeks)	100
30		Indian constitution	100
31		Biology for engineers	100
32		Digital electronics	100
33		Signals and systems	100
34		Essence of Indian traditional knowledge	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
EEE B.Tech I&II Year	34	33.97



### I&II M.Tech

S.No	R16 Regulation	R18 Regulation	% of course content changed
<b>PE</b>			
1	Principles of Machine Modeling and Analysis	Modeling and Analysis of Electrical Machines	0
2	System Theory	Electric Drives System	70
3	Analysis of Power Electronic Converters	Power Electronic Converters	40
4	Power Electronic Control of DC Drives	Digital Control of Power Electronic and Drive Systems	100
5	Advanced Digital Signal Processing	Advanced Digital Signal Processing	0
6	Power Converters-I Lab	Power Electronics Simulation Lab	0
7	Advanced Power Semiconductor Devices & protection	Power Semiconductor Devices & Modeling	0
8	Flexible AC Transmission Systems	FACTS and Custom Power Devices	50
9	modern power electronics	Advanced Power Electronic Circuits	40
10	HVDC Transmission	HVDC Transmission Systems	0
11	Special Machines	Dynamics of Electrical Machines	0
12	Power Converters-II Lab	Power Converters Lab	40
13	Seminar	Phase-I Dissertation	0
14	Project work	Phase-II Dissertation	0
15		Switched Mode and Resonant Converters	100
16		Industrial Load Modeling and Control	100
17		Power Quality	100
18		Advanced Microcontroller based Systems	100
19		Distributed Generation	100
20		Smart Grids	100
21		Industrial Electric Drives Lab (Virtual Lab)	100
22		Constitution of India	100
23		Pedagogy Studies	100
24		Stress Management by Yoga	100
25		Personality Development through Life Enlightenment Skills.	100
26		Power Electronics Simulation Lab	100

27		SCADA Systems and Applications	100
28		Static VAR Controllers and Harmonic Filtering	100
29		Business Analytics	100
30		Industrial Safety	100
31		Advances in Operations Research	100
32		Cost Management of Engineering Projects	100
33		Composite Materials	100
34		Waste to Energy	100
35		Optimal and Adaptive Control	100
36		Industrial Automation Lab (Virtual Lab)	100
37		PWM converter and Applications	100
38		Research Methodology and IPR	100
<b>CS</b>			
39	System Theory	Systems Biology	100
40	Digital Control Systems	Digital Control	12.5
41	Soft Computing Techniques	Machine Learning Techniques	13.5
42	Robot Modeling Control	Advanced Robotics	25
43	Control System Lab	Control Systems Lab	0
44	Process Dynamic and Control	Design Aspects in Control	0
45	Non-Linear Control Theory	Non Linear control	0
46	Optimal Control Theory	Optimal Control Theory	0
47	Advanced Digital Signal	Advanced Digital Signal Processing	20
48	Adaptive Learning and Control	Adaptive Learning and Control	0
49	Robust Control	Robust Control	0
50	Industrial Instrumentation	Industrial Automation	0
51	Advanced Control Systems Lab	Advanced Control Systems Lab	0
52	Seminar	Phase-I Dissertation	0
53	Project work	Phase-II Dissertation	0

54		Model Reduction in Control	100
55		Advance Control System	100
56		Industrial Automation Lab	100
57		Constitution of India	100
58		Pedagogy Studies	100
59		Stress Management by Yoga	100
60		Personality Development through Life Enlightenment Skills.	100
61		Stochastic Control	100
62		Computational Methods	100
63		Business Analytics	100
64		Industrial Safety	100
65		Advances in Operations Research	100
66		Cost Management of Engineering Projects	100
67		Composite Materials	100
68		Waste to Energy	100
69		Mathematical Methods in Control	100
70		Non-Linear Systems	100
71		Research Methodology and IPR	100
72		English for Research Paper Writing	100
73		Disaster Management	100
74		Value Education	100
75		Sanskrit for Technical Knowledge	100
76		Programmable Logic Controller(PLC) Lab ( Virtual Lab)	100
77		Robotics and Automation	100
78		SCADA system and Applications	100
79		Networked and Multi-agent Control Systems	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CS &PE I&II YEAR M.TECH	79	69.75

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.no	Course Title	Course Code	Relevance
1	Mathematical Methods in Control	18EE2001	Skill development
2	Non-Linear Systems	18EE2002	Employability
3	Robotics and Automation	18EE2003	Employability
4	Digital Control	18EE2004	Employability
5	Non Linear control	18EE2005	Employability
6	Systems Biology	18EE2006	Employability
7	SCADA system and Applications	18EE2122	Employability
8	Design Aspects in Control	18EE2007	Employability
9	Research Methodology and IPR	18HS0823	Employability
10	Control Systems Lab	18EE2008	Skill development
11	Programmable Logic Controller(PLC) Lab (Virtual Lab)	18EE2009	Skill development
12	English for Research Paper Writing	18HS0818	Skill development
13	Disaster Management	18CE1029	Skill development
14	Sanskrit for Technical Knowledge	18HS0825	Skill development
15	Value Education	18HS0826	Skill development
17	Industrial Automation	18EE2011	Employability
18	Advance Control System	18EE2012	Employability
19	Advanced Robotics	18EE2013	Employability

20	Adaptive Learning and Control	18EE2014	Employability
21	Model Reduction in Control	18EE2015	Employability
22	Robust Control	18EE2016	Employability
23	Networked and Multi-agent Control Systems	18EE2017	Employability
24	Advanced Digital Signal Processing	18EE2116	Employability
25	Advanced Control Systems Lab	18EE2020	Skill development
26	Industrial Automation Lab	18EE2111	Employability
27	Pedagogy Studies	18HS0827	Skill development
28	Stress Management by Yoga	18HS0828	Skill development
29	Personality Development through Life Enlightenment Skills.	18HS0819	Skill development
30	Machine Learning Techniques	18EE2021	Employability
31	Stochastic Control	18EE2022	Employability
32	Computational Methods	18EE2023	Employability
33	Business Analytics	18HS0824	Entrepreneurship
34	Industrial Safety	18ME3121	Employability
35	Advances in Operations Research	18ME3122	Employability
36	Cost Management of Engineering Projects	18CE1028	Skill development
37	Composite Materials	18ME3128	Employability
38	Phase-I Dissertation	18EE2024	Employability
39	Phase-II Dissertation	18EE2025	Employability
40	Waste to Energy	18EE2128	Employability
41	Electric Drives System	18EE2101	Employability
42	Modelling and Analysis of Electrical Machines	18EE2102	Employability
43	Advanced Power Electronic Circuits	18EE2103	Employability
44	Optimal and Adaptive Control	18EE2104	Employability
45	Power Quality	18EE2105	Employability
46	Dynamics of Electrical Machines	18EE2106	Employability

47	Static VAR Controllers and Harmonic Filtering	18EE2107	Employability
48	PWM converter and Applications	18EE2108	Employability
49	Power Semiconductor Devices & Modelling	18EE2109	Employability
50	Research Methodology and IPR	18HS0823	Employability
51	Power Electronics Simulation Lab	18EE2110	Skill development
52	Industrial Automation Lab (Virtual Lab)	18EE2111	Employability
53	English for Research Paper Writing	18HS0818	Skill development
54	Disaster Management	18CE1029	Skill development
55	Sanskrit for Technical Knowledge	18HS0825	Skill development
56	Value Education	18HS0826	Skill development
57	Power Electronic Converters	18EE2112	Employability
58	Digital Control of Power Electronic and Drive Systems	18EE2113	Employability
59	Switched Mode and Resonant Converters	18EE2114	Employability
60	Industrial Load Modelling and Control	18EE2115	Employability
61	Advanced Digital Signal Processing	18EE2116	Employability
62	Advanced Microcontroller based Systems	18EE2117	Employability
63	Distributed Generation	18EE2118	Employability
64	Smart Grids	18EE2119	Employability
65	Power Converters Lab	18EE2121	Skill development
66	Industrial Electric Drives Lab ( Virtual Lab)	18EE2122	Skill development
67	Constitution of India	18HS0829	Skill development
68	Pedagogy Studies	18HS0827	Skill development
69	Stress Management by Yoga	18HS0828	Skill development
70	Personality Development through Life Enlightenment Skills.	18HS0819	Skill development
71	SCADA Systems and Applications	18EE2123	Employability
72	FACTS and Custom Power Devices	18EE2124	Employability
73	HVDC Transmission Systems	18EE2125	Employability

74	Business Analytics	18HS0824	Entrepreneurship
75	Industrial Safety	18ME3121	Employability
76	Advances in Operations Research	18ME3122	Employability
77	Cost Management of Engineering Projects	18CE1028	Employability
78	Composite Materials	18ME3128	Employability
79	Waste to Energy	18EE2128	Employability
80	Phase-I Dissertation	18EE2126	Employability
81	Phase-II Dissertation	18EE2127	Employability

Modifications described above are carried out to the curriculum after discussion in the BOS by considering the feedback/suggestions from the stake holders' viz. student, alumni, faculty and employers.

**Agenda 3 :**

Approval of Syllabus for the subject offered to various branches w.e.f., 2018-19.

**Resolution3:**

After the through discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the subjects offered to various branches (given in **Annexure-III**)

**Agenda 4 :**

Approval of panel of question paper setters.

**Resolution4:**

Approval the panel of question paper setting (given in **Annexure-IV**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by the chairman-BOS.

**Agenda 5 :**

Approval of panel of examiners.

**Resolution5:**

Approved the panel of examiners prepared for valuation (given in **Annexure-V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by the chairman-BOS.

### Members Present

S. No.	Members present	Designation/Organization	Role of the BOS	Signature
1	Dr. N.Ramesh Raju	Professor & HOD (Instrumentation & Control)	Chairman	<i>N. Ramesh Raju</i>
2	Mr. P. Chandra Sekhar	Professor (Power Systems)	Member	<i>P. Chandrasekhar</i>
3	Mr. Munisekhar Sadu	Associate Professor (Electrical Machines)	Member	<i>Munisekhar</i>
4	Mr G. Seshadri	Associate Professor (Power Systems)	Member	<i>G.S.</i>
5	Mr. K.Mani	Associate Professor (Control systems)	Member	<i>K. Mani</i>
6	Mr. J.Yungandhar	Assistant Professor (Power Electronics)	Member	<i>J. Yungandhar</i>
7	Dr. P. Lakshmi	Professor, Dept. of EEE, Anna University, Madras	Member	<i>P. Lakshmi</i>
8	Dr.G.V.Marutheswar	Professor, Dept. of EEE, S.V.University, Tirupathi.	Member	<i>Absent</i>
9	Dr. Ch. Changaiah	Professor, Dept. of EEE, S.V. University, Tirupati	Member	<i>Ch. Changaiah</i>
10	Sri P.Balaji	Assistant Divisional Engineer APTRANCO, Sullurupet 220 KV Substation	Member	<i>Absent</i>
11	Miss. K. Yamini	Assistant Engineer(AE), APTRANCO, 132 KV Substation ,Gurramkonda, Madanapalli.	Member	<i>K. Yamini</i>



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR**  
**(AUTONOMOUS)**

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**4<sup>th</sup> BoS Meeting of Electrical and Electronics Engineering (EEE)**

Date: 14-08-2019

The 4<sup>th</sup> meeting of Board of Studies (BoS) Electrical and Electronics Engineering is held on 14<sup>th</sup> August, 2019 (Wednesday) at 02:00 PM in the Department of Electrical and Electronics Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor-Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum

Dr. N.Ramesh Raju, Chairman- BoS chaired the meeting and welcomed all the members to the fourth BoS meeting and discussed the following agenda:

1. Approval of course structure for I year UG & PG in EEE w.e.f., 2019-20.
2. Approval of syllabi for I year UG & PG in EEE w.e.f., 2019-20.
3. Approval of syllabus for the subjects offered to other branches w.e.f., 2019-20.
4. Approval of panel of question paper setters.
5. Approval of panel of examiners.
6. Any other item with the permission of Chair.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:****Agenda 1 :**

Approval of course structure for Iyear UG&PG in EEE w.e.f., 2019-20.

**Resolution1:**

After detailed discussion, the BOS resolved to approve the course structure for Iyear UG&PG in (given in **Annexure-I**) and is applicable from the A.Y., 2019-20.

**Agenda 2 :**

Approval of Syllabus for I year UG &PG in EEE w.e.f., 2019-20.

**Resolution2:**

After the thorough discussion, syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I year B.Tech & M.Tech I&II-semesters (given in **Annexure –II**)

**A. Course & Syllabus Comparison**

With reference to the R15 regulations, the new regulation (R16) syllabus for III&IV year has the following modifications which are given in the below table.

**I B.Tech**

S.no	R18 Regulation	R19 Regulation	% of course content changed
1	Mathematics I	Algebra and Calculus	100
2	Physics	Applied Physics	20
3	Thermal and Fluid Engineering	Thermal and Fluid Engineering	10
4	Workshop practice Lab	Workshop Practice Lab	50
5	Physics Lab	Applied Physics Lab	20
6	English	Communicative English	30
7	Mathematics II	Differential Equations and vector Calculus	40
8	Chemistry	Applied Chemistry	100
9	Electrical circuits -I	Electrical circuits - I	0
10	Engineering Graphics & Design	Engineering Graphics	10
11	English Lab	Communicative English Lab	40
12	Chemistry Lab	Applied Chemistry Lab	60
13		Python Programming	100
14		Python Programming Lab	100
15		Electronic Devices and Circuits	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
EEE B.Tech IYear	15	52

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.no	Course Title	Course Code	Relevance
1	Communicative English	19HS0810	Skill development
2	Thermal and Fluid Engineering	19ME0361	Employability
3	Communicative English Lab	19HS0811	Skill development
4	Workshop Practice Lab	19ME0301	Skill development
5	Engineering Graphics	19ME0302	Skill development
6	Python Programming	19CS0501	Skill development
7	Electrical circuits - I	19EE0201	Employability
8	Python Programming Lab	19CS0502	Skill development

Modifications described above are carried out to the curriculum after discussion in the BOS by considering the feedback/suggestions from the stake holders viz. student , alumni, faculty and employers.

#### I M.Tech

S.No	R18 Regulation	R19 Regulation	% of course content changed
<b>PE</b>			
1	Electric Drives System	Electric Drives Systems	0
2	Modeling and Analysis of Electrical Machines	Modeling and Analysis of Electrical Machines	0
3	Advanced Power Electronic Circuits	Advanced Power Electronic Circuits	0
4	Optimal and Adaptive Control	Optimal and Adaptive Control	0
5	Power Quality	Power Quality	0
6	Static VAR Controllers and Harmonic Filtering	Static VAR Controllers and Harmonic Filtering	0

7	PWM converter and Applications	PWM Converters and Applications	0
8	Research Methodology and IPR	Research Methodology and IPR	0
9	Power Electronics Simulation Lab	Power Electronics Simulation Lab	0
10	Industrial Automation Lab (Virtual Lab)	Industrial Automation Lab (Virtual Lab)	0
11	English for Research Paper Writing	English for Research Paper Writing	0
12	Power Electronic Converters	Power Electronic Converters	0
13	Digital Control of Power Electronic and Drive Systems	Digital Control of Power Electronic and Drive Systems	0
14	Switched Mode and Resonant Converters	Switched Mode and Resonant Converters	0
15	Industrial Load Modeling and Control	Industrial Load Modeling and Control	0
16	Advanced Digital Signal Processing	Advanced Digital Signal Processing	0
17	Advanced Microcontroller based Systems	Advanced Microcontroller based Systems	0
18	Distributed Generation	Distributed Generation	0
19	Smart Grids	Smart Grids	0
20	Power Converters Lab	Power Converters Lab	0
21	Industrial Electric Drives Lab (Virtual Lab)	Industrial Electric Drives Lab (Virtual Lab)	0
22	Constitution of India	Constitution of India	0
23	SCADA Systems and Applications	SCADA Systems and Applications	0
24	FACTS and Custom Power Devices	FACTS and Custom power Devices	0
25	HVDC Transmission Systems	HVDC Transmission Systems	0
26	Business Analytics	Business Analytics	0
27	Industrial Safety	Industrial Safety	0
28	Advances in Operations Research	Advances in Operations Research	0
29	Cost Management of Engineering Projects	Cost Management of Engineering Projects	0
30	Composite Materials	Composite Materials	0
31	Waste to Energy	Waste to Energy	0
32		Energy Management	100
<b>CS</b>			
33	Mathematical Methods in Control	Mathematical Methods in Control	0

		Systems	
34	Non-Linear Systems	Non-Linear Systems	0
35	Robotics and Automation	Robotics and Automation	0
36	Digital Control	Digital Control Systems	0
37	Non Linear control	Non Linear control Systems	0
38	Systems Biology	Systems Biology	0
39	SCADA system and Applications	SCADA system and Applications	0
40	Design Aspects in Control	Design Aspects in Control Systems	0
41	Research Methodology and IPR	Research Methodology and IPR	0
42	Control Systems Lab	Control Systems Lab	0
43	Programmable Logic Controller(PLC) Lab ( Virtual Lab)	Programmable Logic Controller Lab ( Virtual Lab)	0
44	English for Research Paper Writing	English for Research Paper Writing	0
45	Optimal Control Theory	Optimal Control Theory	0
46	Industrial Automation	Industrial Automation	0
47	Advance Control System	Adaptive Learning and Control Systems	0
48	Advanced Robotics	Advanced Robotics	0
49	Model Reduction in Control	Model Reduction in Control Systems	0
50	Robust Control	Robust Control	0
51	Advanced Digital Signal Processing	Advanced Digital Signal Processing	0
52	Advanced Control Systems Lab	Advanced Control Systems Lab	0
53	Industrial Automation Lab	Industrial Automation Lab (Virtual Lab)	0
54	Constitution of India	Constitution of India	0
55	Machine Learning Techniques	Machine Learning Techniques	0
56	Stochastic Control	Stochastic Control	0
57	Computational Methods	Computational Methods	0
58	Business Analytics	Business Analytics	0
59	Industrial Safety	Industrial Safety	0

60	Advances in Operations Research	Advances in Operations Research	0
61	Cost Management of Engineering Projects	Cost Management of Engineering Projects	0
62	Composite Materials	Composite Materials	0
63	Waste to Energy	Waste to Energy	0
64		Advanced Control System	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CS &PE I YEAR M.TECH	64	3.125

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.no	Course Title	Course Code	Relevance
1	Research Methodology and IPR	19HS0823	Employability
2	Mathematical Methods in Control Systems	19EE2001	Skill development
3	Non-Linear Systems	19EE2002	Employability
4	Robotics and Automation	19EE2003	Employability
5	Digital Control Systems	19EE2004	Employability
6	Non Linear control Systems	19EE2005	Employability
7	Systems Biology	19EE2006	Employability
8	SCADA system and Applications	19EE2122	Employability
9	Design Aspects in Control Systems	19EE2007	Employability
10	Control Systems Lab	19EE2008	Skill development
11	Programmable Logic Controller Lab ( Virtual Lab)	19EE2009	Skill development
12	English for Research Paper Writing	19HS0818	Skill development
13	Optimal Control Theory	19EE2010	Employability

14	Industrial Automation	19EE2011	Employability
15	Advanced Control System	19EE2012	Employability
16	Advanced Robotics	19EE2013	Employability
17	Adaptive Learning and Control Systems	19EE2014	Employability
18	Model Reduction in Control Systems	19EE2015	Employability
19	Robust Control	19EE2016	Employability
20	Advanced Digital Signal Processing	19EE2116	Employability
21	Mini Project	19EE2019	Skill development
22	Advanced Control Systems Lab	19EE2020	Skill development
23	Industrial Automation Lab ( Virtual Lab)	19EE2111	Skill development
24	Constitution of India	19HS0829	Employability
25	Machine Learning Techniques	19EE2021	Employability
26	Stochastic Control	19EE2022	Employability
27	Computational Methods	19EE2023	Entrepreneurship
28	Business Analytics	19HS0824	Employability
29	Industrial Safety	19ME3121	Employability
30	Advances in Operations Research	19ME3021	Employability
31	Cost Management of Engineering Projects	19CE1028	Employability
32	Composite Materials	19ME3022	Employability
33	Research Methodology and IPR	19HS0823	Employability
34	Electric Drives Systems	19EE2101	Employability
35	Modeling and Analysis of Electrical Machines	19EE2102	Employability
36	Advanced Power Electronic Circuits	19EE2103	Employability
37	Optimal and Adaptive Control	19EE2104	Employability
38	Power Quality	19EE2105	Employability
39	Static VAR Controllers and Harmonic Filtering	19EE2107	Employability
40	PWM Converters and Applications	19EE2108	Employability

41	Energy Management	19EE2109	Employability
42	Power Electronics Simulation Lab	19EE2110	Employability
43	Industrial Automation Lab (Virtual Lab)	19EE2111	Employability
44	English for Research Paper Writing	19HS0818	Skill development
45	Power Electronic Converters	19EE2112	Employability
46	Digital Control of Power Electronic and Drive Systems	19EE2113	Skill development
47	Switched Mode and Resonant Converters	19EE2114	Employability
48	Industrial Load Modeling and Control	19EE2115	Employability
49	Advanced Digital Signal Processing	19EE2116	Employability
50	Advanced Microcontroller based Systems	19EE2117	Employability
51	Distributed Generation	19EE2118	Employability
52	Smart Grids	19EE2119	Employability
53	Mini Project	19EE2120	Employability
54	Power Converters Lab	19EE2121	Employability
55	Industrial Electric Drives Lab ( Virtual Lab)	19EE2122	Skill development
56	Constitution of India	19HS0829	Skill development
57	SCADA Systems and Applications	19EE2123	Skill development
58	FACTS and Custom power Devices	19EE2124	Employability
59	HVDC Transmission Systems	19EE2125	Employability
60	Business Analytics	19HS0824	Employability
61	Industrial Safety	19ME3121	Entrepreneurship
62	Advances in Operations Research	19ME3021	Employability
63	Cost Management of Engineering Projects	19CE1028	Employability
64	Composite Materials	19ME3022	Employability
65	Waste to Energy	19EE2128	Employability



Modifications described above are carried out to the curriculum after discussion in the BOS by considering the feedback/suggestions from the stake holders' viz. student, alumni, faculty and employers.

**Agenda 3 :**

Approval of Syllabus for the subject offered to other branches w.e.f., 2019-20.

**Resolution3:**

After thorough discussion, . The BOS resolved to approve the subject offered to other branches (given in **Annexure-III**) and is applicable from the A.Y.,2019-20.

**Agenda 4 :**

Approval of panel of question paper setters.

**Resolution4:**

Approval the panel of question paper setting (given in **Annexure-IV**) to be submitted to the college academic council for approval.

**Agenda 5 :**

Approval of panel of examiners.

**Resolution5:**

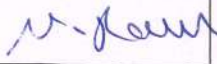

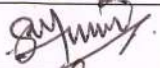
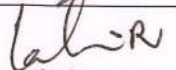
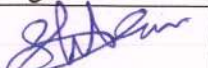

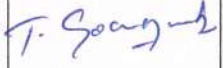

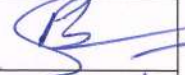
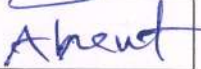
Approved the panel of examiners prepared for valuation (given in **Annexure-V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by the chairman-BOS.

2019 - 2020

ELECTRICAL AND ELECTRONICS ENGINEERING

**Members Present**

S. No	Member Name	Academic/ Industry Position	Designation	Signature
1	Dr. N. Ramesh Raju	Professor & HOD	Chairman	
2	Mr P. Chandra Sekhar	Professor	Member	
3	Mr S. Munisekhar	Associate Professor	Member	
4	Mrs. R.Lakshmi	Assistant Professor	Member	
5	Dr. S.L. Arun	Assistant Professor	Member	
6	Dr. P. Lakshmi	Professor Dept. of EEE, Anna University Chennai	Member	
7	Dr. T Gowri Manohar	Professor, Department of EEE SVUCE, S.V. University Tirupati	Member	
8	Dr. P Sujatha	Professor Dept of EEE JNTUA-Ananthapuramu	Member	
9	Mr. S V Mahesh Babu	ADE, APTRANSCO, 220KV, Substation, Renigunta	Member	
10	Mrs K Yamini	Asst. Engineer, AP Transco Chittoor	Member	

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**5<sup>th</sup> BoS Meeting of Electrical and Electronics Engineering (EEE)**

Date: 28/08/2020

The 5<sup>th</sup> meeting of Board of Studies (BoS) in Electrical and Electronics Engineering is held on 28<sup>th</sup> August, 2020 (Friday) at 10.00 AM online through ZOOM.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum

Dr. N. Ramesh Raju, Chairman-BoS chaired the meeting and welcomed all the members to the fifth BoS meeting and discussed the following agenda:

**Agenda:**

1. To discuss and frame the syllabi for II year B.Tech. under R19 Regulation.
2. To discuss and frame the syllabi for III year B.Tech. under R18 Regulation.
3. To discuss and frame the syllabi for I & II years M.Tech. under R20 Regulation and II year M. Tech under R19 regulation.
4. To prepare panel of examiners and paper setters for I, II and III B.Tech. that comes under R20, R19 & R18 respectively.
5. To prepare panel of examiners and paper setters for I & II M.Tech. that comes under R20 regulation and II M.Tech. under R19 regulation.
6. Any other item.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:****Agenda 1 :**

To discuss and frame the syllabi for II year B.Tech. under R19 Regulation.

**Resolution1:**

After thorough discussion, course structure and syllabus was framed to make the students acquire required technical knowledge and skills. The BOS resolved to approve the course structure for II year B.Tech. under R19 Regulation (given in Annexure –II respectively) applicable from the A.Y.2020-21.

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for II year has the following modifications which are given in the below table.

**II B.TECH**

S.no	R18 Regulation	R19 Regulation	% of course content changed
1	Electrical circuits-II	Electrical circuits-II	0
2	Analog Electronic Circuits	Analog Electronic Circuits	60
3	Electromagnetic Fields	Electromagnetic Fields	0
4	Electrical Machines -I	Electrical Machines-I	0
5	Analog Electronic Circuits lab	Analog Electronic Circuits Lab	0
6	Electrical circuits lab	Electrical Circuits Lab	0
7	Environmental Sciences	Environmental Science	0
8	Electrical Machines II	Electrical Machines-II	20
9	Electrical Machines-I Lab	Electrical Machines-I Lab	0
10	Electrical Machines –II Lab	Electrical Machines-II Lab	0
11		Water Technology	100
12		Fundamentals of Mechanical Engineering	100
13		Introduction to Communication Systems	100
14		Relational Data Base Management Systems	100
15		Management Science	100
16		Electronic Devices and Circuits Lab	100
18		Switching Theory and Logic Design	100

19		Fundamentals of Urban Planning	100
20		Mechanical Measurements & Control Systems	100
21		Elements of Embedded Systems	100
22		Java Programming	100
23		Intellectual Property Rights	100
24		Switching Theory and Logic Design Lab	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
EEE B.Tech II Year	24	60

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Electrical circuits-II	19EE0202	Employability
2	Electrical Machines-I	19EE0203	Employability
3	Water Technology	19CE0136	Skill development
4	Fundamentals of Mechanical Engineering	19ME0349	Skill development
5	Introduction to Communication Systems	19EC0448	Skill development
6	Relational Data Base Management Systems	19CS0550	Skill development
7	Management Science	19HS0813	Entrepreneurship
8	Electronic Devices and Circuits Lab	19EC0405	Skill development
9	Electrical Machines-I Lab	19EE0204	Skill development
10	Electrical Circuits Lab	19EE0205	Skill development
11	Switching Theory and Logic Design	19EC0401	Employability
12	Analog Electronic Circuits	19EC0446	Skill development
13	Electromagnetic Fields	19EE0207	Employability

14	Electrical Machines-II	19EE0208	Employability
15	Fundamentals of Urban Planning	19CE0143	Skill development
16	Mechanical Measurements & Control Systems	19ME0350	Employability
17	Elements of Embedded Systems	19EC0449	Employability
18	Java Programming	19CS0551	Skill development
19	Switching Theory and Logic Design Lab	19EC0404	Skill development
20	Analog Electronic Circuits Lab	19EC0447	Skill development
21	Electrical Machines-II Lab	19EE0209	Skill development

Modifications described above are carried out to the curriculum after discussion in the BOS by considering the feedback/suggestions from the stake holders viz. student , alumni, faculty and employers.

#### **Agenda 2 :**

To discuss and frame the syllabi for III year B.Tech. under R18 Regulation.

#### **Resolution2:**

After detailed discussion, the BOS resolved to approve the course structure for III year B.Tech. under R18 Regulation (given in Annexure –III respectively) applicable from the A.Y.2020- 21.

#### **A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for III year has the following modifications which are given in the below table.

#### **III B.TECH**

S.no	R16 Regulation	R18 Regulation	% of course content changed
1	Linear Control Systems	Control Systems	10
2	Electrical Power Transmission Systems	Power systems-II	10
3	Power Electronics	Power Electronics	80
4	Linear IC Applications	Digital Electronics	50
5	Electrical Machines-II Lab	Electrical Machines-II Lab	90
6	Control Systems and Simulation Lab	Control systems lab	0

7	Electrical and Electronic Measurements	Electrical Measurements	0
8	Microprocessors & Microcontrollers	Microprocessors & Microcontrollers	10
9	Advanced English Language and Communication Skills Lab.	English for corporate communication skills lab	0
10	Power Electronics and Simulation Lab	power electronics and drives Lab	30
11	Digital Signal Processing	Digital Signal Processing	50
12	Managerial Economics and Financial Analysis	Managerial Economics and Financial Analysis	0
13	Elements of Road Traffic Safety	Elements of Road Traffic Safety	0
14	Non-Conventional Energy Resources	Non-Conventional Energy Resources	0
15	Intellectual Property Rights	Intellectual Property Rights	0
16	Power Systems and Simulation Lab	Power Systems Lab	0
17	Electrical Measurements Lab	Electrical Measurements Lab	30
18		Management science	100
19		Electrical machine design	100
20		Digital control systems	100
21		Introduction to IOT	100
22		Python programing	100
23		Internship (60 Hours)	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
EEE B.Tech III Year	23	41.73

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

<b>S.no</b>	<b>Course Title</b>	<b>Course Code</b>	<b>Relevance</b>
1	Managerial Economics and Financial Analysis	18HS0812	entrepreneurship
2	Digital signal processing	18EC0414	employability
3	Power Systems-I	18EE0210	employability
4	Control Systems	18EE0211	employability
5	Electrical Measurements	18EE0212	employability
6	Electrical Machines –II Lab	18EE0213	employability
7	Control Systems Lab	18EE0214	employability
8	Electrical Measurements Lab	18EE0215	employability
9	aptitude practices	18HS0842	skill development
10	Management Science	18HS0813	entrepreneurship
11	Microprocessors and Microcontrollers	18EC0420	employability
12	Power Systems – II	18EE0216	employability
13	Electrical Machine Design	18EE0221	employability
14	Digital Control Systems	18EE0222	employability
15	Modern Control Theory	18EE0223	employability
16	Elements of Road Traffic Safety	18CE0127	skill development
17	Non-Conventional Energy Resources	18ME0307	skill development
18	Introduction to IOT	18EC0449	skill development
19	Python Programming	18CS0517	skill development
20	Internship (60 Hours)	18EE0243	employability
21	Power Electronics and Drives Lab	18EE0217	employability
22	Power Systems Lab	18EE0218	Employability

Modifications described above are carried out to the curriculum after discussion in the BOS by considering the feedback/suggestions from the stake holders viz. student , alumni, faculty and employers.



### **Agenda 3:**

To discuss and frame the syllabi for I & II years M.Tech. under R20 Regulation and II year M. Tech under R19 regulation.

### **Resolution 3 :**

After thorough discussion, course structure and syllabus was framed to make the students acquire required technical knowledge and skills. The BOS resolved to approve the course structure and Syllabi for I&II year M.Tech. under R20 Regulation and II year M.Tech under R19 Regulation (given in Annexure –IV) respectively applicable from the A.Y.2020-21.

### **A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for II year has the following modifications which are given in the below table.

#### **II M.TECH**

<b>S.no</b>	<b>R18 Regulation</b>	<b>R19 Regulation</b>	<b>% of course content changed</b>
<b>CS</b>			
1	Phase-I Dissertation	Phase-I Dissertation	0
2	Phase-II Dissertation	Phase-II Dissertation	0
<b>PE</b>			
3	Phase-I Dissertation	Phase-I Dissertation	0
4	Phase-II Dissertation	Phase-II Dissertation	0

#### **Consolidated Sheet**

<b>Course</b>	<b>Total courses</b>	<b>Percentage of syllabus changed</b>
M.Tech CS&PE II Year	4	0

### **B. Course Relevance**

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

## II M.TECH

S.no	Course Title	Course Code	Relevance
<b>CS</b>			
1	Phase-I Dissertation	19EE2024	Employability
2	Phase-II Dissertation	19EE2025	Employability
<b>PE</b>			
3	Phase-I Dissertation	19EE2126	Employability
4	Phase-II Dissertation	19EE2127	Employability

Modifications described above are carried out to the curriculum after discussion in the BOS by considering the feedback/suggestions from the stake holders viz. student , alumni, faculty and employers

### **Agenda 4:**

To prepare panel of examiners and paper setters for I, II and III B.Tech. that comes under R20, R19 & R18 respectively.

### **Resolution 4:**

Approved the panel of examiners prepared for valuation and panel of question paper setters (given in Annexure–V respectively) to be submitted to the college Academic council for approval.

### **Agenda 5:**

To prepare panel of examiners and paper setters for I & II M.Tech. that comes under R20 regulation and II M.Tech. under R19 regulation.







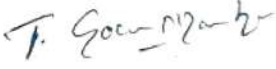



### **Resolution 5 :**

Approved the panel of examiners prepared for valuation and panel of question paper setters (given in Annexure–VI respectively) to be submitted to the college Academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by the Chairman-BOS.

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## Members Present

S.No.	Member Name	Academic/Industry Position	Designation	Signature
1	Dr. N.Ramesh Raju	Professor &HOD (Instrumentation & Control)	Chairman	
2	Prof. P.Chandra Sekhar	Professor (Power Systems)	Member	
3	Mr.S.Muni Sekhar	Associate Professor (Power Electronics)	Member	
4	Mr.T.Madhurantaka	Associate Professor (Power Electronics)	Member	
5	Mrs R Lakshmi	Associate Professor (Power Systems)	Member	
6	Dr. P. Lakshmi	Professor Department of EEE Anna University, Chennai	Member	
7	Dr T Gouri Manohar	Professor Department of EEE, S V University, Tirupati	Member	
8	Dr. P Sujatha	Professor Department of EEE, JNTUA, Anantapuramu	Member	
9	Mr.S V Mahesh Babu	Assistant Divisional Engineer, AP Transco, Chittoor	Member	
10	Miss K Yamini	Assistant Engineer, AP Transco, Chittoor	Member	

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**6<sup>th</sup>BoS Meeting of Electrical and Electronics Engineering (EEE)**

Date: 19/01/2021

The 6<sup>th</sup> meeting of Board of Studies (BoS) in Electrical and Electronics Engineering is held on 19<sup>th</sup> January, 2021 (Tuesday) at 10.30 AM online through ZOOM.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum

Dr. N. Ramesh Raju, Chairman - BoS chaired the meeting and welcomed all the members to the sixth BoS meeting and discussed the following agenda:

**Agenda:**

**1. To discuss and frame the syllabi for I year B.Tech. under R20 Regulation.**

2. To prepare panel of examiners and paper setters for I B.Tech that comes under R20.

3. Any other item.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

To discuss and frame the syllabi for I year B.Tech. under R20 Regulation.

**Resolution: 1**

After detailed discussion, the BOS resolved to approve the course structure and syllabi for I year B.Tech. under R20 Regulation (given in Annexure –I&II respectively) applicable from the A.Y.2020-2021.

**A. Course & Syllabus Comparison**

**With reference to the R19 regulations, the new regulation (R20) syllabus for Ist year has the following modifications which are given in the below table.**

### I B.Tech

S.no	R19 Regulation	R20 Regulation	% of course content changed
1	Applied Chemistry	Applied Chemistry	5
2	Algebra and Calculus	Algebra and Calculus	30
3	Communicative English	Communicative English	0
4	Thermal and Fluid Engineering	Thermal and Fluid Engineering	20
5	Applied Chemistry Lab	Applied Chemistry Lab	0
6	Communicative English Lab	Communicative English Lab	0
7	Workshop Practice Lab	Workshop practice Lab	0
8	Applied Physics	Applied Physics	30
9	Differential Equations and vector Calculus	Differential Equations and Complex Analysis	30
10	Engineering Graphics	Engineering Graphics	0
11	Electrical circuits - I	Fundamentals of Electrical Circuits	60
12	Applied Physics Lab	Applied Physics Lab	0
13	Indian Constitution	Indian Constitution	0
14	Electronic Devices and Circuits	Electronic Devices and Circuits	0
15		Thermal and Fluid Engineering Lab	100
16		C Programming and Data Structures	100
17		C Programming and Data Structures Lab	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
EEE B.Tech I Year	17	27.94

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.no	Course Title	Course Code	Relevance
1	C Programming and Data Structures	20CS0501	Skill development
2	Fundamentals of Electrical Circuits	20EE0201	Employability

3	Electronic Devices and Circuits	20EC0402	Employability
4	Communicative English	20HS0810	Skill development
5	Thermal and Fluid Engineering	20ME0353	Skill development
6	Engineering Graphics	20ME0301	Employability
7	Thermal and Fluid Engineering Lab	20ME0354	Skill development
8	C Programming and Data Structures Lab	20CS0502	Skill development
9	workshop practice lab	20ME0302	Employability
10	Indian constitution	20HS0816	Employability

Modifications described above are carried out to the curriculum after discussion in the BOS by considering the feedback/suggestions from the stake holders viz. student , alumni, faculty and employers

**Agenda: 2**







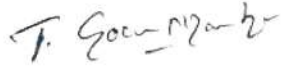



To prepare panel of examiners and paper setters for I B.Tech. that comes under R20

**Resolution: 2**

Approved the panel of examiners prepared for valuation and panel of question paper setters (given in Annexure–III respectively) to be submitted to the college Academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by the Chairman-BOS.

**Members Present**

S.No.	Member Name	Academic/Industry Position	Designation	Signature
1	Dr. N.Ramesh Raju	Professor &HOD (Instrumentation & Control)	Chairman	
2	Prof. P.Chandra Sekhar	Professor (Power Systems)	Member	
3	Mr.S.Muni Sekhar	Associate Professor (Power Electronics)	Member	
4	Mr.T.Madhurantaka	Associate Professor (Power Electronics)	Member	
5	Mrs R Lakshmi	Associate Professor (Power Systems)	Member	
6	Dr. P. Lakshmi	Professor Department of EEE Anna University, Chennai	Member	
7	Dr T Gouri Manohar	Professor Department of EEE, S V University, Tirupati	Member	
8	Dr. P Sujatha	Professor Department of EEE, JNTUA, Anantapuramu	Member	
9	Mr.S V Mahesh Babu	Assistant Divisional Engineer, AP Transco, Chittoor	Member	
10	Miss K Yamini	Assistant Engineer, AP Transco, Chittoor	Member	

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**1<sup>st</sup> BoS Meeting of Mechanical Engineering (ME)**

Date: 08-07-2016

The 1<sup>st</sup> meeting of Board of Studies (BOS) in Mechanical Engineering is held on 08 July, 2016 at 1:30 PM in the Department of Mechanical Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. S. Sunil Kumar Reddy, Chairman BOS chaired the meeting and welcomed all the members to the first BOS meeting and discussed about the following agenda

**Agenda:**

1. Approval of course structure for I & II year UG & PG in ME w.e.f., A.Y.2016-17.
2. Approval of syllabus for I & II year UG & PG in ME w.e.f., A.Y.2016-17.
3. Approval of syllabus for the subjects offered to various branches w.e.f., 2016-17.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other items



2016 - 2017

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for I & II year UG & PG in ME w.e.f., A.Y.2016-17

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for I & II year UG & PG (ME) (given in **Annexure –I**) applicable from the A.Y.2016-17.

**Agenda: 2**

Approval of syllabus for I & II year UG & PG in ME w.e.f., A.Y.2016-17

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I and II year B.Tech I & II-Semesters (given in **Annexure-II**)

**A. Course & Syllabus Comparison**

With reference to the JNTUA R15 regulations, the new regulation (R16) syllabus for I& II year has the following modifications, which are given in the below table.

**I B.Tech**

S.No	R15 Regulation	R16 Regulation	Percentage of course content changed
1	Functional English	Functional English	20
2	Mathematics – I	Engineering Mathematics-I	0
3	Engineering Physics	Engineering Physics	0
4	Computer Programming	Computer Programming	80
5	Audit course – Social Values & Ethics	Human Values & Professional Ethics	0
6	Engineering Physics Lab	Engineering Physics Lab	0
7	Computer Programming Lab	Computer Programming Lab	0

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8	Engineering & IT Workshop	Engineering & IT Workshop Lab	0
9	English for Professional Communication	Professional English	0
10	Mathematics – II	Engineering Mathematics-II	0
11	Engineering Chemistry	Engineering Chemistry	0
12	Engineering Drawing	Engineering Graphics	20
13	Engineering Mechanics	Engineering Mechanics	22
14	English Language and Communication Skills Lab	English Language and Communication Skills Lab	0
15	Engineering Chemistry Lab	Engineering Chemistry Lab	20
16		Applied Mechanics Lab	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME B.Tech I Year	16	16.37

**II B.Tech**

S.No	R15 Regulation	R16 Regulation	Percentage of course content changed
1	Mathematics – III	Engineering Mathematics-III	0
2	Material Science and Engineering	Material Sciences and Metallurgy	10
3	Kinematics of Machines	Kinematics of Machinery	0
4	Machine Drawing	Machine Drawing	0
5	Mechanics of Solids	Strength of Materials	5
6	Fluid Mechanics and Hydraulic Machines	Fluid Mechanics & Hydraulic Machinery	25
7	Mechanics of Solids	Strength of Materials Lab	5

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8	Fluid Mechanics and Hydraulic Machines Laboratory	Fluid Mechanics & Hydraulic Machinery Lab	0
9	-	Comprehensive Examination-I Online	100
10	-	Data Structures through C	100
11	Probability and Statistics	Probability & Statistics	0
12	Basic Electrical and Electronics Engineering	Basic Electrical & Electronics Engineering	10
13	Manufacturing Technology	Manufacturing Technology	50
14	Thermodynamics	Engineering Thermodynamics	34
15	Dynamics of Machinery	Dynamics of Machinery	20
16	Manufacturing Technology Laboratory	Manufacturing Technology Lab	0
17		Basic Electrical & Electronics Engineering Lab	100
18	Material Science and Engineering Lab	Material Sciences and Metallurgy Lab	0
19		Comprehensive Online Examination-II	100
20		Comprehensive Soft Skills	

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME B.Tech II Year	20	27.95

## I M.Tech [TE]

S.No	R12 Regulation	R16 Regulation	Percentage of course content changed
1	Advanced Thermodynamics	Advanced Thermodynamics	60
2	Advanced Heat & Mass Transfer	Advanced Heat & Mass Transfer	0
3	Turbo Machines	Turbo Machines	0
4	Fuels, Combustion & Environment	Fuels, Combustion & Environment	20
5	FEA in Thermal Engineering	FEA in Thermal Engineering	0
6	Refrigeration & Air Conditioning	Refrigeration & Air Conditioning	0
7	Equipment design for Thermal Systems	Equipment design for Thermal Systems	0
8	Optimization Techniques & its Applications	Optimization Techniques & its Applications	0
9	Advanced Thermal Engineering Lab	Advanced Thermal Engineering Lab	20
10	Energy Management	Energy Management	0
11	Advanced I.C. Engines	Advanced I.C. Engines	0
12	Computational Fluid Dynamics	Computational Fluid Dynamics	20
13	Thermal Measurements and Process Controls	Thermal Measurements and Process Controls	0
14	Alternative Energy Sources	Alternative Energy Sources	0
15	Cryogenics Engineering	Cryogenics Engineering	20
16	Thermal & Nuclear Power Plants	Thermal & Nuclear Power Plants	20

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17	Jet Propulsion & Rocketry	Jet Propulsion & Rocketry	0
18	Computational Fluid Dynamics Lab	Computational Fluid Dynamics Lab	0

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME M.Tech I Year	18	8.8

**II M.Tech [TE]**

S.No	R12 Regulation	R16 Regulation	Percentage of course content changed
1	Seminar	Seminar	0
2	Project work	Project work	0

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME M.Tech II Year	2	0

**I M.Tech [CAD/CAM]**

S.No	R09 Regulation	R16 Regulation	Percentage of course content changed
1	Finite Element Methods	Finite Element Methods	0
2	Computer Integrated Manufacturing	Computer Integrated Manufacturing	0
3	Geometric Modeling	Geometric Modeling	0
4	Advances in Manufacturing Technology	Advances in Manufacturing Technology	0
5	Computational Methods	Computational Methods	0

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6	Quality Engineering and Manufacturing	Quality Engineering and Manufacturing	0
7	Computer Aided Process Planning	Computer Aided Process Planning	0
8	Designs For Manufacturing	Designs For Manufacturing	0
9	Modeling and CNC Lab	Modeling and CNC Lab	0
10	Advanced Optimization Techniques	Advanced Optimization Techniques	0
11	Computer Graphics	Computer Graphics	0
12	Robotics	Robotics	20
13	CNC Technology & programming	CNC Technology & programming	0
14	Rapid Prototyping	Rapid Prototyping	0
15	Artificial Intelligence & Expert Systems	Artificial Intelligence & Expert Systems	0
16	Mechanics and Manufacturing methods of Composites	Mechanics and Manufacturing methods of Composites	0
17	Computer Aided Design Lab	Computer Aided Design Lab	0

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME M.Tech I Year	17	1.17

**II M.Tech [CAD/CAM]**

S.No	R09 Regulation	R16 Regulation	Percentage of course content changed
1	Seminar	Seminar	0
2	Project work	Project work	0

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**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME M.Tech II Year	2	0

**B. Course Relevance**

The courses that come under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

**B.Tech & M.Tech**

S.No	Course Title	Course Code	Relevance
1	Functional English	16HS601	Skill Development
2	Human Values & Professional Ethics	16HS606	Skill Development
3	Computer Programming Lab	16CS502	Skill Development
4	Engineering & IT Workshop Lab	16ME301	Skill Development
5	Professional English	16HS610	Skill Development
6	Engineering Graphics	16ME302	Employability
7	Engineering Mechanics	16CE101	Skill Development
8	English Language and Communication Skills Lab	16HS607	Skill Development
9	Applied Mechanics Lab	16CE102	Skill Development
10	Material Sciences and Metallurgy	16ME303	Employability
11	Kinematics of Machinery	16ME304	Employability
12	Machine Drawing	16ME305	Employability
13	Strength of Materials	16CE104	Employability
14	Fluid Mechanics & Hydraulic Machinery	16CE112	Employability
15	Strength of Materials Lab	16CE109	Skill Development

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16	Fluid Mechanics & Hydraulic Machinery Lab	16CE116	Skill Development
17	Data Structures through C	16CS503	Skill Development
18	Seminar	16ME8819	Skill Development
19	Project work	16ME8820	Skill Development
20	Advanced Thermodynamics	16ME8801	Employability
21	Advanced Heat & Mass Transfer	16ME8802	Employability
22	Turbo Machines	16ME8803	Employability
23	Fuels, Combustion & Environment	16ME8804	Employability
24	FEA in Thermal Engineering	16ME8805	Employability
25	Refrigeration & Air Conditioning	16ME8806	Employability
26	Equipment design for Thermal Systems	16ME8807	Employability
27	Optimization Techniques & its Applications	16ME8808	Employability
28	Advanced Thermal Engineering Lab	16ME8809	Employability
29	Energy Management	16ME8810	Employability
30	Advanced I.C. Engines	16ME8811	Employability
31	Computational Fluid Dynamics	16ME8812	Employability
32	Thermal Measurements and Process Controls	16ME8813	Employability
33	Alternative Energy Sources	16ME8814	Employability
34	Cryogenics Engineering	16ME8815	Employability
35	Thermal & Nuclear Power Plants	16ME8816	Employability
36	Jet Propulsion & Rocketry	16ME8817	Employability
37	Computational Fluid Dynamics Lab	16ME8818	Skill Development
38	Seminar	16ME0419	Skill Development
39	Project work	16ME0420	Skill Development



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40	Finite Element Methods	16ME0401	Employability
41	Computer Integrated Manufacturing	16ME0402	Employability
42	Geometric Modeling	16ME0403	Employability
43	Advances in Manufacturing Technology	16ME0404	Employability
44	Computational Methods	16ME0405	Employability
45	Quality Engineering and Manufacturing	16ME0406	Employability
46	Computer Aided Process Planning	16ME0407	Employability
47	Designs For Manufacturing	16ME0408	Employability
48	Modeling and CNC Lab	16ME0409	Skill Development
49	Advanced Optimization Techniques	16ME0410	Employability
50	Computer Graphics	16ME0411	Employability
51	Robotics	16ME0412	Employability
52	CNC Technology & programming	16ME0413	Employability
53	Mechatronics	16ME0414	Employability
54	Rapid Prototyping	16ME0415	Employability
55	Artificial Intelligence & Expert Systems	16ME0416	Employability
56	Mechanics and Manufacturing Methods of Composites	16ME0417	Employability
57	Computer Aided Design Lab	16ME0418	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subjects offered to various branches w.e.f. 2016-17

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**Resolution: 3**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabus framed for the subjects offered to various branches (given in **Annexure-III**).

**Agenda: 4**

Approval of Panel of Question Paper setters

**Resolution: 4**

Approved the panel of question paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**

Approval of Panel of Examiners

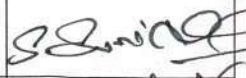
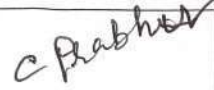
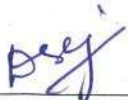
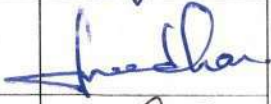





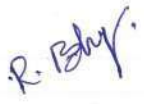
**Resolution: 5**

Approved the panel of examiners prepared for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.

**MEMBERS PRESENT**

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Dr. S. Sunil Kumar Reddy	Professor &HOD-SIETK	Chairman	
2	Dr. C. Prabhu Rama Krishnan	Professor-SIETK	Member	
3	Dr. D. Subramanyam	Professor-SIETK	Member	
4	Dr. C.Sreedhar	Professor-SIETK	Member	
5	Mr. F. Ananda Raju	Professor-SIETK	Member	
6	Dr. BVSSS Prasad	Professor & Head, IIT, Madras, Chennai	Member	
7	Dr. M. Nageswara Rao	Professor &Dean, VIT University, Vellore Campus	Member	
8	Dr. G. Jaya Chandra Reddy	Professor & Head Yogi Vemana University Prodattur, Kadapa	Member	
9	Mr. N. Sudarsan Reddy	General Manager(Admin), NELCAST, Industrial Estate, Gudur, Nellore Dist.	Member	
10	Mr. R. Bhaskar Reddy	Asst.Professor, Sri padmavati mahila viswa vidyalayam, Tirupati, Chittoor Dist.	Member	

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**2<sup>nd</sup> BoS Meeting of Mechanical Engineering (ME)**

Date: 23-12-2017

The 2<sup>nd</sup> meeting of Board of Studies (BoS) in Mechanical Engineering is held on 23 December, 2017 at 10.00 AM in the Department of Mechanical Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. S. Sunil Kumar Reddy, Chairman - BoS chaired the meeting and welcomed all the members to the Second BoS meeting and discussed about the following agenda:

1. Preparation of course structure for III & IV year UG in ME w.e.f., 2018-19.
2. Preparation of syllabus for III & IV year UG in ME w.e.f., 2018-19.
3. Preparation of syllabus for the subject offered to other branches w.e.f., 2018-19.
4. Suggesting panel of question paper setters.
5. Suggesting panel of examiners.
6. Any other items

2017 - 2018

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Preparation of course structure for III & IV year UG in ME w.e.f., 2018-19.

**Resolution: 1**

After the detailed discussion the course structure for III & IV year UG in ME was prepared (given in **Annexure –I**) and is applicable from the A.Y., 2018-19.

**Agenda: 2**

Preparation of syllabus for III & IV year UG in ME w.e.f., 2018-19.

**Resolution: 2**

After the thorough discussion syllabus was formulated to make the students acquire the required technical knowledge and skills. The syllabus framed for the III and IV year of UG in ME (given in **Annexure –II**) and is applicable from the A.Y., 2018-19.

**A. Course & Syllabus Comparison**

With reference to the JNTUA R15 regulations, the new regulation (R16) syllabus for III & IV year has the following modifications, which are given in the below table.

**III B.Tech**

S. No	R15 Regulation	R16 Regulation	Percentage of course content changed
1	MOOC-II Industrial Engineering & Management	Industrial Engineering & Management	7
2	Thermal Engineering	Thermal Engineering	60
3	CBCC-I Non-Conventional Source of Energy	Non-Conventional Energy Resources	37.5
4	Design of Machine Members-I	Design of Machine Elements-I	10
5	Automobile Engineering	Automobile Engineering	50

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6	Machine Tools	Machine Tools	0
7	Thermal Engineering Laboratory	Thermal Engineering- Lab	20
8	Machine Tools Lab	Machine Tools Lab	20
9		Comprehensive Online Examination-III	100
10		Aptitude Practice-I	100
11	Environmental Studies	Environmental Studies	20
12	Managerial Economics & Financial Analysis	Managerial Economics & Financial Analysis	10
13	Design of Machine Members – II	Design of Machine Elements-II	20
14	Heat Transfer	Heat Transfer	30
15	CAD/CAM	CAD/CAM	100
16		Advanced English Language and	100
17		Communication Skills Lab	100
18		Comprehensive Online Examination-IV	100
19		Aptitude Practice-II	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME B.Tech III Year	19	51.81

**IV B.Tech**

S. No	R15 Regulation	R16 Regulation	Percentage of course content changed
1	MOOCS -I Entrepreneurship	Entrepreneurship Development	45
2	Operations Research	Operations Research	20
3	Refrigeration & Air	Refrigeration & Air Conditioning	0

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	Conditioning		
4	Metrology and Measurements	Metrology & Measurements	0
5	Finite Element Methods	Finite Element Methods	10
6	Quality Control and Reliability Engineering	Quality Control and Reliability Engineering	100
8	Metal Forming Process	Metal Forming Process	20
9		Elements of Road Traffic Safety	100
10		Neural Networks & Fuzzy Logic	100
11		Matlab Programming	100
12		Database Management Systems	100
13	Intellectual Property Rights	Intellectual Property Rights	0
14	Metrology and Measurements Lab	Metrology and Measurements Lab	0
15	Computer Aided Engineering Lab	Computer Aided Engineering Lab	50
16	Mechatronics	Mechatronics	100
17	MOOCS -III Power Plant Engineering	Power Plant Engineering	10
18	Production & Operation Management	Production and Operation Management	0
19	Modern Manufacturing Methods	Modern Manufacturing Methods	0
20	MOOCS -III Gas Turbine and Jet Propulsion	Gas Turbine and Jet Propulsion	0
21	Automation and Robotics	Automation & Robotics	20
22	Advanced welding processes	Advanced welding processes	100
23		MOOC	100
24		Seminar	100
25		Project	100

**Consolidated Sheet**

<b>Course</b>	<b>Total courses</b>	<b>Percentage of syllabus changed</b>
<b>ME B.Tech IV Year</b>	<b>25</b>	<b>47</b>

2017 - 2018

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

#### B.Tech

S.No	Course Title	Course Code	Relevance
1	Entrepreneurship Development	16MB751	Entrepreneurship
2	Operations Research	16ME324	Employability
3	Refrigeration & Air Conditioning	16ME325	Employability
4	Metrology & Measurements	16ME326	Employability
5	Finite Element Methods	16ME327	Employability
6	Quality Control and Reliability Engineering	16ME328	Employability
7	Metal Forming Process	16ME329	Employability
8	Elements of Road Traffic Safety	16CE145	Skill Development
9	Neural Networks & Fuzzy Logic	16EE239	Skill Development
10	Matlab Programming	16EC443	Skill Development
11	Database Management Systems	16CS511	Skill Development
12	Intellectual Property Rights	16MB752	Entrepreneurship
13	Metrology and Measurements Lab	16ME330	Skill Development
14	Computer Aided Engineering Lab	16ME331	Skill Development
15	Mechatronics	16ME332	Employability
16	Power Plant Engineering	16ME333	Employability
17	Production and Operation Management	16ME334	Employability
18	Modern Manufacturing Methods	16ME335	Employability
19	Gas Turbine and Jet Propulsion	16ME336	Employability
20	Automation & Robotics	16ME337	Employability



2017 - 2018

21	Advanced welding processes	16ME338	Employability
22	MOOC courses-offered by SWAYAM/ NPTEL/ NISTE-suggested by the department(online courses)	MOOCS	Skill Development
23	Seminar	16ME339	Employability
24	Project work	16ME340	Employability
25	Industrial Engineering & Management	16ME311	Employability
26	Thermal Engineering	16ME312	Employability
27	Non-Conventional Energy Resources	16ME313	Employability
28	Design of Machine Elements-I	16ME314	Employability
29	Automobile Engineering	16ME315	Employability
30	Machine Tools	16ME316	Employability
31	Thermal Engineering- Lab	16ME317	Skill Development
32	Machine Tools Lab	16ME318	Skill Development
33	Aptitude Practice-I	16HS616	Skill Development
34	Environmental Studies	16HS605	Skill Development
35	Managerial Economics & Financial Analysis	16MB750	Entrepreneurship
36	Design of Machine Elements-II	16ME319	Employability
37	Heat Transfer	16ME320	Employability
38	CAD/CAM	16ME321	Employability
39	Advanced English Language and Communication Skills Lab	16HS615	Skill Development
40	Heat Transfer Lab	16ME322	Skill Development
41	Computer Aided Design Lab	16ME323	Skill Development
42	Aptitude Practice-II	16HS617	Skill Development

2017 - 2018

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Preparation of syllabus for the subject offered to other branches w.e.f. 2018-19.

**Resolution: 3**

After the thorough discussion syllabus was prepared for the subject offered to other branches (given in **Annexure-III**) and is applicable from the A.Y., 2018-19.

**Agenda: 4**

Suggesting panel of question paper setters.

**Resolution: 4**

The panel of question paper setters was suggested (given in **Annexure –IV**).

**Agenda: 5**

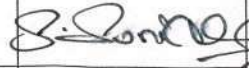
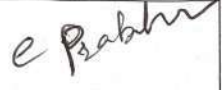
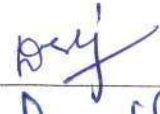
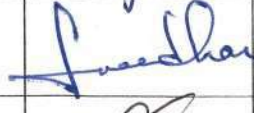

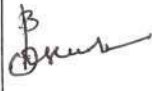


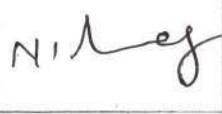

Suggesting panel of examiners.

**Resolution: 5**

The panel of examiners for valuation was suggested (given in **Annexure –V**).

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of Thanks proposed by the Chairman - BoS.

## MEMBERS PRESENT

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Dr. S. Sunil Kumar Reddy	Professor &HOD-SIETK	Chairman	
2	Dr. C. Prabhu Rama Krishnan	Professor-SIETK	Member	
3	Dr. D. Subramanyam	Professor-SIETK	Member	
4	Dr. C.Sreedhar	Professor-SIETK	Member	
5	Mr. F. Ananda Raju	Professor-SIETK	Member	
6	Dr. BVSSS Prasad	Professor & Head, IIT, Madras, Chennai	Member	
7	Dr. M. Nageswara Rao	Professor &Dean, VIT University, Vellore Campus	Member	
8	Dr. G. Jaya Chandra Reddy	Professor & Head Yogi Vemana University Prodattur, Kadapa	Member	
9	Mr. N. Sudarsan Reddy	General Manager(Admin), NELCAST, Industrial Estate, Gudur, Nellore Dist.	Member	
10	Mr. R. Bhaskar Reddy	Asst.Professor, Sri padmavati mahila viswa vidyalayam, Tirupati, Chittoor Dist.	Member	

2018-2019

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR  
(AUTONOMOUS)**

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**3<sup>rd</sup> BoS Meeting of Mechanical Engineering (ME)**

Date: 18-06-2018

The 3<sup>rd</sup> meeting of Board of Studies (BoS) in Mechanical Engineering is held on 18 June, 2018 at 2:00 PM in the Department of Mechanical Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. S. Sunil Kumar Reddy, Chairman BoS chaired the meeting and welcomed all the members to the third BoS meeting and discussed about the following agenda:

**Agenda:**

1. Approval of course structure for I & II year UG & PG in ME w.e.f., A.Y.2018-19.
2. Approval of syllabus for I & II year UG & PG in ME w.e.f., A.Y.2018-19.
3. Approval of syllabus for the subjects offered to various branches w.e.f., A.Y.2018-19.
4. Approval of panel of question paper setters.
5. Approval of panel of examiners.
6. Any other item

2018-2019

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Preparation of course structure for I & II year UG & PG in ME w.e.f., 2018-19.

**Resolution: 1**

After the detailed discussion the BoS resolved to approve the course structure for I & II year UG & PG (ME) (given in **Annexure –I**) applicable from the A. Y., 2018-19.

**Agenda: 2**

Approval of syllabus for I & II year UG & PG in ME w.e.f., A.Y.2018-19.

**Resolution: 2**

After the thorough discussion syllabus was frame to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabus framed for the I and II year B.Tech I & II- Semesters (given in **Annexure –II**).

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for I & II year has the following modifications which are given in the below table.

**I B.Tech**

S.No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Mathematics-I	Mathematics-I	0
2	Physics	Physics	0
3	Engineering Mechanics	Engineering Mechanics	20
4	Computer Programming	Programming for problem solving	23.60
5	Engineering Physics Lab	Physics Lab	0
6		Programming for problem solving Lab	100

2018-2019

7	Engineering & IT Workshop Lab	Workshop Practice Lab	0
8	Functional English	English	10
9	Engineering Mathematics-II	Mathematics-II	40
10	Engineering Chemistry	Chemistry	0
11	Engineering Graphics	Engineering Graphics & Design	0
12	Material Sciences and Metallurgy	Materials Engineering	6
13	English Language and Communication Skills Lab	English Lab	0
14		Chemistry Lab	100
15		Indian Constitution	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME I B.Tech I Year	15	26.64

**II B.Tech**

S. No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Probability & Statistics	Probability & Statistics	20
2		Biology for Engineers	100
3	Strength of Materials	Strength of Materials	0
4	Kinematics of Machinery	Kinematics of Machinery	0
5	Fluid Mechanics & Fluid Machines	Fluid Mechanics & Fluid Machines	20
6	Strength of Materials Lab	Material Testing Lab	50
7	Machine Drawing Lab	Machine Drawing Lab	10
8	Fluid Mechanics & Fluid Machines Lab	Fluid Mechanics & Fluid Machines Lab	0

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9	Environmental Studies	Environmental Sciences	0
10	Non - Conventional Energy Resources	Non - Conventional Energy Resources	0
11	Basic Electrical & Electronics Engineering	Basic Electrical & Electronics Engineering	0
12	Manufacturing Technology	Manufacturing Processes	0
13	Engineering Thermodynamics	Thermodynamics	15
14	Dynamics of Machinery	Theory of Machines	10
15	Manufacturing Technology Lab	Manufacturing Processes Lab	100
16	Basic Electrical & Electronics Engineering lab	Basic Electrical & Electronics Engineering lab	100
17		Comprehensive Online Examination-I	100
18		Essence of Indian Traditional knowledge	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ME B.Tech II Year	18	34.72

### I M.Tech [TE]

S. No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Thermodynamics and Combustion	Thermodynamics and Combustion	80
2		Advanced Fluid Dynamics	100
3		Nuclear Engineering	100
4	Energy Conservation and Management	Energy Conservation and Management	20
5	Air Conditioning System Design	Air Conditioning System Design	20

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6	Jet Propulsion and Rocketry	Jet Propulsion and Rocketry	0
7	Thermal Engineering Lab	Thermal Engineering Lab	0
8		Computer Aided Analysis Lab	100
9		Research Methodology and IPR	100
10		English for Research Paper writing	100
11		Disaster Management	100
12		Sanskrit for Technical Knowledge	100
13		Value education	100
14	Advanced Heat Transfer	Advanced Heat Transfer	0
15		Steam Engineering	100
16	Refrigeration and Cryogenics	Refrigeration and Cryogenics	53
17		Design of Heat Exchangers	100
18	Computational Fluid Dynamics	Computational Fluid Dynamics	100
19	Modelling of IC Engines	Modelling of IC Engines	100
20	Computational Fluid Dynamics Lab	Computational Fluid Dynamics Lab	0
21		Thermal Engineering Virtual Lab	100
22		Constitution of India	100
23		Pedagogy Studies	100
24		Stress Management by Yoga	100
25		Personality Development through Life Enlightenment Skills	100
26		Mini-Project	100



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**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME M.Tech I Year	26	75.88

**II M.Tech [TE]**

S. No	R16 Regulation	R18 Regulation	Percentage of course content changed
1		Design of Solar and Wind System	100
2		Advanced Mathematical Methods in Engineering	100
3		Business Analytics	100
4		Industrial Safety	100
5	Advances in Operations Research	Advances in Operations Research	20
6		Cost Management of Engineering Projects	100
7		Composite Materials	100
8		Waste to Energy	100
9		Dissertation Phase – I	100
10		Dissertation Phase – II	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME M.Tech II Year	10	92

## I M.Tech (CAD/CAM)

S. No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Computational Methods	Computational Methods	0
2	Computer Integrated Manufacturing	Computer Integrated Manufacturing	0
3	Geometric Modeling	Geometric Modeling	0
4	CNC Technology & Programming	CNC Technology & Programming	0
5	Quality Engineering and Manufacturing	Quality Engineering and Manufacturing	0
6	Computer Aided Process Planning	Computer Aided Process Planning	0
7	Computer Aided Design Lab	Computer Aided Design Lab	100
8	Computer Modeling Lab	Computer Modeling Lab	100
9		Research Methodology and IPR	100
10		English for Research Paper writing	100
11		Disaster Management	100
12		Sanskrit for Technical Knowledge	100
13		Value education	100
14	Finite Element Methods	Finite Element Methods	0
15	Rapid Prototyping	Rapid Prototyping	0
16	Advances in Manufacturing Technology	Advances in Manufacturing Technology	100
17		Advances in Optimization Techniques	100
18	Computer Graphics	Computer Graphics	0
19	Robotics	Robotics	0

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20		Virtual lab in Manufacturing Engineering	100
21		Computer Aided Analysis Lab	100
22		Constitution of India	100
23		Pedagogy Studies	100
24		Stress Management by Yoga	100
25		Personality Development through Life Enlightenment Skills	100
26		Mini-Project	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME M.Tech I Year	26	61.53

**II M.Tech (CAD/CAM)**

S. No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Mechatronics	Mechatronics	20
2		Mechanics of Composites	100
3		Business Analytics	100
4		Industrial Safety	100
5		Advances in Operations Research	100
6		Cost Management of Engineering Projects	100
7		Composite Materials	100
8		Waste to Energy	100
9		Dissertation Phase – I	100

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10		Dissertation Phase – II	100
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### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ME M.Tech II Year	10	92

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

### B.Tech & M.Tech

S.No	Course Title	Course Code	Relevance
1	Engineering Mechanics	18CE0101	Skill Development
2	Programming for problem solving	18CS0502	Skill Development
3	Programming for problem solving Lab	18CS0503	Skill Development
4	Workshop Practice Lab	18ME0301	Skill Development
5	Induction Program		Skill Development
6	Engineering Graphics& Design	18ME0302	Employability
7	English	18HS0810	Skill Development
8	Materials Engineering	18ME0303	Employability
9	English Lab	18HS0811	Skill Development
10	Indian Constitution	18HS0816	Employability
11	Biology for Engineers	18HS0803	Skill Development
12	Strength of Materials	18CE0151	Skill Development
13	Kinematics of Machinery	18ME0304	Employability
14	Fluid Mechanics & Fluid Machines	18CE0152	Skill Development
15	Material Testing Lab	18ME0305	Employability
16	Machine Drawing Lab	18ME0306	Employability

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17	Fluid Mechanics & Fluid Machines Lab	18CE0153	Skill Development
18	Environmental Sciences	18HS0804	Skill Development
19	Non-Conventional Energy Sources	18ME0307	Employability
20	Basic Electrical & Electronics Engineering	18EE0241	Skill Development
21	Manufacturing Processes	18ME0308	Employability
22	Thermodynamics	18ME0309	Employability
23	Theory of Machines	18ME0310	Employability
24	Manufacturing Processes Lab	18ME0311	Skill Development
25	Basic Electrical & Electronics Engineering lab	18EE0242	Skill Development
26	Essence of Indian Traditional knowledge	18HS0817	Employability
27	Design of Solar and Wind System	18ME3120	Employability
28	Advanced Mathematical Methods in Engineering	18HS0839	Skill Development
29	Business Analytics	18HS0824	Entrepreneurship
30	Industrial Safety	18ME3121	Employability
31	Advances in Operations Research	18ME3021	Employability
32	Cost Management of Engineering Projects	18CE1028	Skill Development
33	Composite Materials	18ME3022	Employability
34	Waste to Energy	18EE2128	Skill Development
35	Dissertation Phase – I	18ME3110	Skill Development
36	Dissertation Phase - II	18ME3111	Skill Development
37	Thermodynamics and Combustion	18ME3101	Employability
38	Advanced Fluid Dynamics	18ME3102	Employability
39	Nuclear Engineering	18ME3112	Employability
40	Energy Conservation and Management	18ME3113	Employability
41	Air Conditioning System Design	18ME3114	Employability

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42	Jet Propulsion and Rocketry	18ME3115	Employability
43	Thermal Engineering Lab	18ME3103	Employability
44	Computer Aided Analysis Lab	18ME3104	Employability
45	Research Methodology and IPR	18HS0823	Skill Development
46	English for Research Paper writing	18HS0818	Skill Development
47	Disaster Management	18CE1029	Skill Development
48	Sanskrit for Technical Knowledge	18HS0825	Skill Development
49	Value education	18HS0826	Skill Development
50	Advanced Heat Transfer	18ME3105	Employability
51	Steam Engineering	18ME3106	Employability
52	Refrigeration and Cryogenics	18ME3116	Employability
53	Design of Heat Exchangers	18ME3117	Employability
54	Computational Fluid Dynamics	18ME3118	Employability
55	Modelling of IC Engines	18ME3119	Employability
56	Computational Fluid Dynamics Lab	18ME3107	Skill Development
57	Thermal Engineering Virtual Lab	18ME3108	Skill Development
58	Constitution of India	18HS0829	Skill Development
59	Pedagogy Studies	18HS0827	Skill Development
60	Stress Management by Yoga	18HS0828	Skill Development
61	Personality Development through Life Enlightenment Skills	18HS0819	Skill Development
62	Mini-Project	18ME3109	Skill Development
63	Mechatronics	18ME3019	Employability
64	Mechanics of Composites	18ME3020	Employability
65	Business Analytics	18HS0824	Entrepreneurship
66	Industrial Safety	18ME3121	Employability
67	Advances in Operations Research	18ME3021	Employability

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68	Cost Management of Engineering Projects	18CE1028	Skill Development
69	Composite Materials	18ME3022	Employability
70	Waste to Energy	18EE2128	Skill Development
71	Dissertation Phase – I	18ME3009	Skill Development
72	Dissertation Phase – II	18ME3010	Skill Development
73	Computational Methods	18HS0845	Skill Development
74	Computer Integrated Manufacturing	18ME3001	Employability
75	Geometric Modeling	18ME3011	Employability
76	CNC Technology & Programming	18ME3012	Employability
77	Quality Engineering and Manufacturing	18ME3013	Employability
78	Computer Aided Process Planning	18ME3014	Employability
79	Computer Aided Design Lab	18ME3002	Skill Development
80	Computer Modeling Lab	18ME3003	Skill Development
81	Research Methodology and IPR	18HS0823	Skill Development
82	English for Research Paper Writing	18HS0818	Skill Development
83	Disaster Management	18CE1029	Skill Development
84	Sanskrit For Technical Knowledge	18HS0825	Skill Development
85	Value Education	18HS0826	Skill Development
86	Finite Element Methods	18ME3004	Employability
87	Rapid Prototyping	18ME3005	Employability
88	Advances in Manufacturing Technology	18ME3015	Employability
89	Advanced Optimization Techniques	18ME3016	Employability
90	Computer Graphics	18ME3017	Skill Development
91	Robotics	18ME3018	Skill Development
92	Virtual lab in Manufacturing Engineering	18ME3006	Employability
93	Computer Aided Analysis Lab	18ME3007	Skill Development

2018-2019

94	Constitution of India	18HS0829	Skill Development
95	Pedagogy Studies	18HS0827	Skill Development
96	Stress Management by Yoga	18HS0828	Skill Development
97	Personality Development through Life Enlightenment Skills	18HS0819	Skill Development
98	Mini-Project	18ME3008	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subjects offered to various branches w.e.f., A.Y.2018-19.

**Resolution: 3**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabi framed for the subjects offered to various branches (given in **Annexure-III**).

**Agenda: 4**

Approval of panel of question paper setters.

**Resolution: 4**

Approved the panel of question paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**

Approval of panel of examiners.



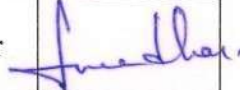
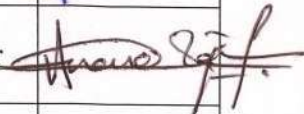


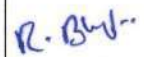
**Resolution: 5**

Approved the panel of examiners prepared for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of Thanks proposed by the Chairman - BoS.



## Members Present

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Dr. S. Sunil Kumar Reddy	Professor &HOD-SIETK	Chairman	
2	Dr. C. Prabhu Rama Krishnan	Professor-SIETK	Member	
3	Dr. D. Subramanyam	Professor-SIETK	Member	←ABSENT→
4	Dr. C.Sreedhar	Professor-SIETK	Member	
5	Mr. F. Ananda Raju	Professor-SIETK	Member	
6	Dr. BVSSS Prasad	Professor, IIT, Madras, Chennai	Member	←ABSENT→
7	Dr. M. Nageswara Rao	Professor &Dean, VIT University, Vellore Campus	Member	
8	Dr. G. Jaya Chandra Reddy	Professor & Head Yogi Vemana University Prodattur, Kadapa	Member	 18.6.2018
9	Mr. N. Sudarsan Reddy	General Manager(Admin), NELCAST, Industrial Estate, Gudur, Nellore Dist.	Member	←ABSENT→
10	Mr. R. Bhaskar Reddy	Asst.Professor, SPMVV, Tirupathi, Chittoor Dist.	Member	

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR**  
**(AUTONOMOUS)**

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**4<sup>th</sup> BoS Meeting of Mechanical Engineering (ME)**

Date: 14-08-2019

The 4<sup>th</sup> meeting of Board of Studies (BoS) in Mechanical Engineering is held on 14 August, 2019 at 2:00 PM in the Department of Mechanical Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. S. Sunil Kumar Reddy, Chairman BoS chaired the meeting and welcomed all the members to the third BoS meeting and discussed about the following agenda:

**Agenda:**

1. Approval of course structure for I year UG & PG in ME w.e.f., A.Y.2019-20.
2. Approval of syllabus for I year UG & PG in ME w.e.f., A.Y.2019-20.
3. Approval of syllabus for the subjects offered to various branches w.e.f., A.Y.2019-20.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item with the permission of Chair.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for I year UG & PG in ME w.e.f., 2019-20.

**Resolution: 1**

After the detailed discussion the BoS resolved to approve the course structure for I year UG & PG (ME) (given in **Annexure –I**) applicable from the A.Y., 2019-20.

**Agenda: 2**

Approval of syllabus for I year UG & PG in ME w.e.f., A.Y.2019-20.

**Resolution: 2**

After the thorough discussion syllabus was frame to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabus framed for the I year B.Tech & M.Tech (I & II- Semesters) (given in **Annexure –II**).

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for I year has the following modifications which, are given in the below table.

**I B.Tech**

S. No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	English	Communicative English	20
2	Mathematics-I	Algebra & Calculus	60
3	Physics	Advanced Physics	0
4	Engineering Mechanics	Engineering Mechanics	60
5	English Lab	Communicative English Lab	20
6	Physics Lab	Applied Physics Lab	0

2019-2020

## MECHANICAL ENGINEERING

7	Workshop Practice Lab	Workshop Practice Lab	0
8	Mathematics-II	Differential Equations and Vector Calculus	60
9	Chemistry	Engineering Chemistry	40
10	Python Programming	Python Programming	0
11	Engineering Graphics& Design	Engineering Graphics	10
12	Materials Engineering	Materials Engineering	10
13	Chemistry Lab	Engineering Chemistry Lab	10
14		Python Programming Lab	100
15	Indian Constitution	Indian Constitution	100

## Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ME B.Tech I Year	15	32.66

## I M.Tech [TE]

S. No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Research Methodology and IPR	Research Methodology and IPR	20
2	Thermodynamics and Combustion	Thermodynamics and Combustion	30
3	Advanced Fluid Dynamics	Advanced Fluid Dynamics	0
4	Nuclear Engineering	Nuclear Engineering	60
5	Energy Conservation and Management	Energy Conservation and Management	20
6		Energy Management in Thermal Systems	100
7	Air Conditioning System Design	Air Conditioning System Design	0

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8	Jet Propulsion and Rocketry	Jet Propulsion and Rocketry	0
9		Fuels and Combustion	100
10	Thermal Engineering Lab	Thermal Engineering Lab	0
11	Computer Aided Analysis Lab	Computer Aided Analysis Lab	0
12	English for Research Paper writing	English for Research Paper writing	0
13	Advanced Heat Transfer	Advanced Heat Transfer	0
14	Steam Engineering	Steam Engineering	0
15	Refrigeration and Cryogenics	Refrigeration and Cryogenics	0
16	Design of Heat Exchangers	Design of Heat Exchangers	0
17		Cryogenic Engineering	100
18	Computational Fluid Dynamics	Computational Fluid Dynamics	0
19	Modelling of IC Engines	Modelling of IC Engines	0
20		Instrumentation for Thermal Engineering	100
21	Computational Fluid Dynamics Lab	Computational Fluid Dynamics Lab	0
22	Thermal Engineering Virtual Lab	Thermal Engineering Virtual Lab	0
23	Constitution of India	Constitution of India	0
24	Mini-Project	Mini-Project	0

## Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ME M.Tech I Year	24	22.08

**I M.Tech [CAD/CAM]**

<b>S. No</b>	<b>R18 Regulation</b>	<b>R19 Regulation</b>	<b>Percentage of course content changed</b>
1	Research Methodology and IPR	Research Methodology and IPR	0
2	Computational Methods	Computational Methods	20
3	Computer Integrated Manufacturing	Computer Integrated Manufacturing	10
4	Geometric Modeling	Geometric Modeling	0
5	CNC Technology & Programming	CNC Technology & Programming	0
6		Additive Manufacturing and Tooling	100
7	Quality Engineering and Manufacturing	Quality Engineering and Manufacturing	0
8	Computer Aided Process Planning	Computer Aided Process Planning	0
9		Mechanical Behaviour Of Materials	100
10	Computer Aided Design Lab	Computer Aided Design Lab	0
11	Computer Modeling Lab	Computer Modeling Lab	0
12	English for Research Paper Writing	English for Research Paper Writing	0
13	Finite Element Methods	Finite Element Methods	0
14	Rapid Prototyping	Rapid Prototyping	0
15	Advances in Manufacturing Technology	Advances in Manufacturing Technology	0
16	Advanced Optimization Techniques	Advanced Optimization Techniques	0

17		Product Life Cycle Management	100
18	Computer Graphics	Computer Graphics	0
19	Robotics	Robotics	0
20		Non Destructive Testing	100
21	Virtual lab in Manufacturing Engineering	Virtual lab in Manufacturing Engineering	0
22	Computer Aided Analysis Lab	Computer Aided Analysis Lab	0
23	Constitution of India	Constitution of India	0
24	Mini-Project	Mini-Project	0

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ME M.Tech I Year	24	17.91

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

### B.Tech & M.Tech

S.No	Course Title	Course Code	Relevance
1	Communicative English	19HS0810	Skill Development
2	Engineering Mechanics	19CE0101	Skill Development
3	Communicative English Lab	19HS0811	Skill Development
4	Workshop Practice Lab	19ME0301	Skill Development
5	Python Programming	19CS0501	Skill Development
6	Engineering Graphics	19ME0302	Employability
7	Materials Engineering	19ME0303	Employability
8	Python Programming Lab	19CS0502	Skill Development

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9	Indian Constitution	19HS0816	Employability
10	Research Methodology and IPR	19HS0823	Skill Development
11	Thermodynamics and Combustion	19ME3101	Employability
12	Advanced Fluid Dynamics	19ME3102	Employability
13	Nuclear Engineering	19ME3112	Employability
14	Energy Conservation and Management	19ME3113	Employability
15	Energy Management in Thermal Systems	19ME3122	Employability
16	Air Conditioning System Design	19ME3114	Employability
17	Jet Propulsion and Rocketry	19ME3115	Employability
18	Fuels and Combustion	19ME3123	Employability
19	Thermal Engineering Lab	19ME3103	Skill Development
20	Computer Aided Analysis Lab	19ME3104	Skill Development
21	English for Research Paper writing	19HS0818	Skill Development
22	Advanced Heat Transfer	19ME3105	Employability
23	Steam Engineering	19ME3106	Employability
24	Refrigeration and Cryogenics	19ME3116	Employability
25	Design of Heat Exchangers	19ME3117	Employability
26	Cryogenic Engineering	19ME3124	Employability
27	Computational Fluid Dynamics	19ME3118	Employability
28	Modeling of IC Engines	19ME3119	Employability
29	Instrumentation for Thermal Engineering	19ME3125	Employability
30	Computational Fluid Dynamics Lab	19ME3107	Skill Development
31	Thermal Engineering Lab (Virtual Lab)	19ME3108	Skill Development
32	Constitution of India	19HS0829	Skill Development
33	Mini-Project	19ME3109	Skill Development
34	Research Methodology and IPR	19HS0823	Skill Development



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35	Computational Methods	19HS0845	Skill Development
36	Computer Integrated Manufacturing	19ME3001	Employability
37	Geometric Modeling	19ME3011	Employability
38	CNC Technology & Programming	19ME3012	Employability
39	Additive Manufacturing and Tooling	19ME3023	Employability
40	Quality Engineering and Manufacturing	19ME3013	Employability
41	Computer Aided Process Planning	19ME3014	Employability
42	Mechanical Behaviour Of Materials	19ME3024	Employability
43	Computer Aided Design Lab	19ME3002	Skill Development
44	Computer Modeling Lab	19ME3003	Skill Development
45	English for Research Paper Writing	19HS0818	Skill Development
46	Finite Element Methods	19ME3004	Employability
47	Rapid Prototyping	19ME3005	Employability
48	Advances in Manufacturing Technology	19ME3015	Employability
49	Advanced Optimization Techniques	19ME3016	Employability
50	Product Life Cycle Management	19ME3025	Employability
51	Computer Graphics	19ME3017	Employability
52	Robotics	19ME3018	Employability
53	Non Destructive Testing	19ME3026	Employability
54	Manufacturing Engineering Lab (Virtual Lab)	19ME3006	Skill Development
55	Computer Aided Analysis Lab	19ME3007	Skill Development
56	Constitution of India	19HS0829	Skill Development
57	Mini-Project	19ME3008	Skill Development

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Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subjects offered to various branches w.e.f., A.Y.2019-20.

**Resolution: 3**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabus framed for the subjects offered to various branches (given in **Annexure-III**).

**Agenda: 4**

Approval of Panel of Question Paper setters.

**Resolution: 4**

Approved the panel of question paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**



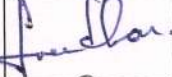


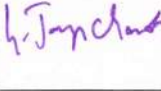

Approval of Panel of Examiners.

**Resolution: 5**

Approved the panel of examiners prepared for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of Thanks proposed by the Chairman - BoS.

## Members Present

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Dr. S. Sunil Kumar Reddy	Professor &HOD-SIETK	Chairman	
2	Dr. C. Prabhu Rama Krishnan	Professor-SIETK	Member	
3	Dr. C.Sreedhar	Professor-SIETK	Member	
4	Dr. F. Anand Raju	Professor-SIETK	Member	
5	Mr. D.Krishnaiah	Associate Professor-SIETK	Member	
6	Dr. BVSSS Prasad	Professor, Dept of ME IIT, Madras, Chennai	Member	← ABSENT →
7	Dr. G. Jaya Chandra Reddy	Professor & Head Yogi Vemana University Prodattur, Kadapa	Member	 14/8/19
8	Dr. N. N.Kishore	Professor, Dept of ME IIT, Tirupathi, Chittoor	Member	← ABSENT →
9	Mr. B. Madhu Prathap	Director, SIBAR Auto Parts, Industrial Estate, Renigunta, Chittoor Dist.	Member	← ABSENT →
10	Mr. R. Bhaskar Reddy	Asst.Professor, SPMVV, Tirupathi, Chittoor Dist.	Member	 RBV 14/8/2019

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR  
(AUTONOMOUS)**

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**5<sup>th</sup> BoS Meeting of Mechanical Engineering (ME)**

Date: 28/08/2020

The 5<sup>th</sup> meeting of Board of Studies (BoS) in Mechanical Engineering is held on 28 August, 2020 (Friday) at 10.00 AM online through ZOOM.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. S.Sunil Kumar Reddy, Chairman - BoS chaired the meeting and welcomed all the members to the fifth BoS meeting and discussed the following agenda:

1. Approval of course structure and syllabus for II year B.Tech. under R19 Regulation.
2. Approval of course structure and syllabus for III year B.Tech. under R18 Regulation.
3. Approval of course structure and syllabus for I & II years M.Tech. under R20 Regulation and II year M. Tech under R19 regulation.
4. Approval of examiners and paper setters for II and III B.Tech. that comes under R19 & R18 respectively.
5. Approval of panel of examiners and paper setters for I & II M.Tech. that comes under R20 regulation and II M.Tech. under R19 regulation.
6. Any other item with the permission of Chair.

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After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure and syllabus for II year B.Tech. under R19 Regulation in ME w.e.f., 2020-2021.

**Resolution: 1**

After detailed discussion, the BoS resolved to approve the course structure for II year B.Tech. under R19 Regulation (given in **Annexure –II** respectively) applicable from the A.Y.2020-2021.

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for II year has the following modifications which, are given in the below table.

**II B.Tech**

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Basic Electrical and Electronics Engineering	Basic Electrical and Electronics Engineering	0
2	Strength of Materials	Strength of Materials	20
3	Fluid Mechanics & Hydraulics Machinery	Fluid Mechanics & Hydraulics Machinery	20
4	Kinematics of Machinery	Kinematics of Machinery	0
5		Water Technology	100
6		Generation of Energy through Waste	100
7		Introduction to Communication Systems	100
8		Relational Database Management System	100
9		Management Science	100
10	Basic Electrical and Electronics Engineering Lab	Basic Electrical and Electronics Engineering Lab	0
11	Strength of Materials Lab	Strength of Materials Lab	50

12	Fluid Mechanics & Hydraulics Machinery Lab	Fluid Mechanics & Hydraulics Machinery Lab	15
13	Environmental Science	Environmental Science	0
14	Probability & Statistics	Numerical Methods, Probability & Statistics	100
15	Thermodynamic	Engineering Thermodynamics	20
16	Manufacturing Processes	Manufacturing Processes	20
17	Theory of Machines	Theory of Machines	100
18		Fundamentals of Urban Planning	100
19	Industrial Instrumentation	Industrial Instrumentation	0
20		Elements of Embedded Systems	100
21		Java Programming	100
22	Intellectual Property Rights	Intellectual Property Rights	0
23		Fuels Lab	100
24	Manufacturing Processes Lab	Manufacturing Processes Lab	0
25	Machine Drawing Lab	Computer Aided Machine Drawing Lab	100
26	Essence of Indian Traditional Knowledge	Essence of Indian Traditional Knowledge	0

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ME B.Tech II Year	26	51.73

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Basic Electrical and Electronics Engineering	19EE0240	Skill Development
2	Strength of Materials	19CE0150	Employability
3	Fluid Mechanics & Hydraulics Machinery	19CE0151	Employability
4	Kinematics of Machinery	19ME0304	Employability

5	Water Technology	19CE0136	Skill Development
6	Generation of Energy through Waste	19EE0238	Skill Development
7	Introduction to Communication Systems	19EC0450	Skill Development
8	Relational Database Management System	19CS0550	Skill Development
9	Management Science	19HS0813	Entrepreneurship
10	Basic Electrical and Electronics Engineering Lab	19EE0241	Skill Development
11	Strength of Materials Lab	19CE0106	Skill Development
12	Fluid Mechanics & Hydraulics Machinery Lab	19CE0112	Skill Development
13	Environmental Science	19HS0805	Skill Development
14	Engineering Thermodynamics	19ME0305	Employability
15	Manufacturing Processes	19ME0306	Employability
16	Theory of Machines	19ME0307	Employability
17	Fundamentals of Urban Planning	19CE0143	Skill Development
18	Industrial Instrumentation	19EE0233	Skill Development
19	Elements of Embedded systems	19EC0451	Skill Development
20	Java Programming	19CS0551	Skill Development
21	Intellectual Property Rights	19HS0814	Skill Development
22	Fuels Lab	19ME0308	Skill Development
23	Manufacturing Processes Lab	19ME0309	Skill Development
24	Computer Aided Machine Drawing lab	19ME0310	Skill Development
25	Essence of Indian Traditional knowledge	19HS0817	Employability

As per the decisions taken Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 2**

Approval of course structure and syllabus for III year B.Tech. under R18 Regulation in ME w.e.f., 2020-2021.

**Resolution: 2**

After thorough discussion, course structure and syllabus was framed to make the students acquire required technical knowledge and skills. The BoS resolved to approve the course structure for III year B.Tech. under R18 Regulation (given in **Annexure –III** respectively) applicable from the A.Y.2020-21.

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for III year has the following modifications which, are given in the below table.

**III B.Tech**

S.No	R16 Regulation	R18 Regulation	Percentage of course content changed
1		Supply Chain Management	100
2	CAD/CAM	CAD/CAM	6
3	Design of Machine Elements-I	Design of Machine Elements-I	8
4	Machine Tools	Machine Tools	0
5	Thermal Engineering	Thermal Engineering	6
6	Computer Aided Modeling Lab	Computer Aided Modeling Lab	45
7	Machine Tools lab	Machine Tools lab	0
8	Thermal Enginccring Lab	Thermal Engineering Lab	77
9	Aptitude Practice II	Aptitude Practices	0
10	Design of Machine Elements-II	Design of Machine Elements-II	0
11	Heat Transfer	Heat & Mass Transfer	13
12	Metrology & Measurements	Metrology & Measurements	20
13	Industrial Engineering & Management	Industrial Engineering & Management	40
14	Production and Operations Management	Production & Operations Management	0
15		Total Quality Management	100
16	Elements of Road Traffic Safety	Elements of Road Traffic Safety	0
17	Industrial Instrumentation	Industrial Instrumentation	100
18	Introduction to IOT	Introduction to IOT	100



19	Python Programming	Python Programming	100
20	Intellectual Property Rights	Intellectual Property Rights	0
21	Heat Transfer Lab	Heat Transfer Lab	6
22	Metrology and Measurements Lab	Metrology and Measurements Lab	0
23		Internship (60 hours)	100
24	Comprehensive Online Examination-II	Comprehensive Online Examination-II	0
25	Advanced English Language and Communication Skills Lab	English for Corporate Communication Skills Lab	0

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ME B.Tech III Year	25	32.84

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Supply Chain Management	18HS0860	Skill Development
2	CAD/CAM	18ME0312	Employability
3	Design of Machine Elements-I	18ME0313	Employability
4	Machine Tools	18ME0314	Employability
5	Thermal Engineering	18ME0315	Employability
6	Computer Aided Modeling Lab	18ME0316	Skill Development
7	Machine Tools lab	18ME0317	Skill Development
8	Thermal Engineering Lab	18ME0318	Skill Development
9	Aptitude Practices	18HS0842	Skill Development
10	Design of Machine Elements-II	18ME0319	Employability
11	Heat & Mass Transfer	18ME0320	Employability
12	Metrology & Measurements	18ME0321	Skill Development
13	Industrial Engineering & Management	18ME0330	Employability
14	Production & Operations Management	18ME0331	Employability
15	Total Quality Management	18ME0332	Employability
16	Elements of Road Traffic Safety	18CE0127	Skill Development
17	Industrial Instrumentation	18EE0234	Skill Development
18	Introduction to IOT	18EC0449	Skill Development
19	Python Programming	18CS0517	Skill Development

20	Intellectual Property Rights	18HS0814	Skill Development
21	Heat Transfer Lab	18ME0322	Skill Development
22	Metrology and Measurements Lab	18ME0323	Skill Development
23	Mini Project	18ME0327	Skill Development
24	English for Corporate Communication Skills Lab	18HS0859	Skill Development

As per the decisions taken Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of course structure and syllabus for I & II years M.Tech. under R20 Regulation and II year M. Tech under R19 regulation.

**Resolution:3**

The BoS resolved to approve the syllabus framed for I & II years M.Tech. under R20 Regulation and II year M.Tech under R19 regulation (given in **Annexure –IV** respectively).

**A. Course & Syllabus Comparison**

With reference to the R19 regulations, the new regulation (R20) syllabus for I & II year has the following modifications which, are given in the below table.

**I M.Tech [TE]**

S.No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Research Methodology and IPR	Research Methodology and IPR	40
2	Thermodynamics and Combustion	Thermodynamics and Combustion	0
3	Advanced Fluid Dynamics	Advanced Fluid Dynamics	0
4	Nuclear Engineering	Nuclear Engineering	0
5	Energy Conservation and Management	Energy Conservation and Management	0
6	Energy Management in Thermal Systems	Energy Management in Thermal Systems	0
7	Air Conditioning System Design	Air Conditioning System Design	0
8	Jet Propulsion and Rocketry	Jet Propulsion and Rocketry	0
9	Fuels and Combustion	Fuels and Combustion	36

10	Thermal Engineering Lab	Thermal Engineering Lab	0
11	Computer Aided Analysis Lab	Computer Aided Analysis Lab	0
12	English for Research Paper writing	English for Research Paper writing	0
13	Advanced Heat Transfer	Advanced Heat Transfer	0
14	Steam Engineering	Steam Engineering	5
15	Refrigeration and Cryogenics	Refrigeration and Cryogenics	0
16	Design of Heat Exchangers	Design of Heat Exchangers	100
17	Cryogenic Engineering	Cryogenic Engineering	100
18	Computational Fluid Dynamics	Computational Fluid Dynamics	0
19	Modeling of IC Engines	Modeling of IC Engines	0
20	Instrumentation for Thermal Engineering	Instrumentation for Thermal Engineering	0
21	Computational Fluid Dynamics Lab	Computational Fluid Dynamics Lab	0
22	Thermal Engineering Lab (Virtual Lab)	Thermal Engineering Lab (Virtual Lab)	0
23	Constitution of India	Constitution of India	0
24	Mini-Project	Mini-Project	0

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ME M.Tech I Year	24	11.70

#### II M.Tech [TE]

S.No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Design of Solar and Wind System	Design of Solar and Wind System	0
2	Finite Element Methods in Thermal Engineering	Finite Element Methods in Thermal Engineering	0
3	Thermal Measurements and Process Control	Thermal Measurements and Process Control	0
4	Business Analytics	Business Analytics	0
5	Cost Management of Engineering Projects	Cost Management of Engineering Projects	0

6	Waste to Energy	Waste to Energy	0
7	Industrial Safety	Industrial Safety	0
8	Advances in Operations Research	Advances in Operations Research	0
9	Composite Materials	Composite Materials	0
10	Dissertation Phase – I	Dissertation Phase – I	0
11	Dissertation Phase – II	Dissertation Phase – II	0

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ME M.Tech II Year	11	0

### I M.Tech [CAD/CAM]

S.No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Research Methodology and IPR	Research Methodology and IPR	40
2	Computational Methods	Computational Methods	0
3	Computer Integrated Manufacturing	Computer Integrated Manufacturing	0
4	Geometric Modeling	Geometric Modeling	0
5	CNC Technology & Programming	CNC Technology & Programming	0
6	Additive Manufacturing and Tooling	Additive Manufacturing and Tooling	0
7	Quality Engineering and Manufacturing	Quality Engineering and Manufacturing	0
8	Computer Aided Process Planning	Computer Aided Process Planning	63
9	Mechanical Behaviour of Materials	Mechanical Behaviour of Materials	0
10	Computer Aided Design Lab	Computer Aided Design Lab	0

11	Computer Modeling Lab	Computer Modeling Lab	0
12	English for Research Paper Writing	English for Research Paper Writing	0
13	Finite Element Methods	Finite Element Methods	0
14	Rapid Prototyping	Rapid Prototyping	0
15	Advances in Manufacturing Technology	Advances in Manufacturing Technology	0
16	Advanced Optimization Techniques	Advanced Optimization Techniques	0
17	Product Life Cycle Management	Product Life Cycle Management	0
18	Computer Graphics	Computer Graphics	0
19	Robotics	Robotics	0
20	Non Destructive Testing	Non Destructive Testing	0
21	Manufacturing Engineering lab (Virtual Lab)	Manufacturing Engineering lab (Virtual Lab)	0
22	Computer Aided Analysis Lab	Computer Aided Analysis Lab	0
23	Constitution of India	Constitution of India	0
24	Mini-Project	Mini-Project	0

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ME M.Tech I Year	24	4.29

### II M.Tech [CAD/CAM]

S.No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Mechatronics	Mechatronics	0
2	Mechanics of Composites	Mechanics of Composites	0
3	Industrial Robotics and Expert Systems	Industrial Robotics and Expert Systems	0
4	Business Analytics	Business Analytics	0
5	Cost Management of	Cost Management of	0

	Engineering Projects	Engineering Projects	
6	Waste to Energy	Waste to Energy	0
7	Industrial Safety	Industrial Safety	0
8	Advances in Operations Research	Advances in Operations Research	0
9	Composite Materials	Composite Materials	0
10	Dissertation Phase – I	Dissertation Phase – I	0
11	Dissertation Phase – II	Dissertation Phase – II	0

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ME M.Tech II Year	11	0

With reference to the R18 regulations, the new regulation (R19) syllabus for II year has the following modifications which, are given in the below table

### II M.Tech [TE]

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Design of Solar and Wind System	Design of Solar and Wind System	0
2		Finite Element Methods in Thermal Engineering	100
3		Thermal Measurements and Process Control	100
4	Business Analytics	Business Analytics	88
5	Cost Management of Engineering Projects	Cost Management of Engineering Projects	100
6	Waste to Energy	Waste to Energy	0
7	Industrial Safety	Industrial Safety	0
8	Advances in Operations Research	Advances in Operations Research	14
9	Composite Materials	Composite Materials	0
10	Dissertation Phase – I	Dissertation Phase – I	0
11	Dissertation Phase – II	Dissertation Phase – II	0

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME M.Tech II Year	11	36.54

**II M.Tech [CAD/CAM]**

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Mechatronics	Mechatronics	64
2	Mechanics of Composites	Mechanics of Composites	0
3		Industrial Robotics and Expert Systems	100
4	Business Analytics	Business Analytics	88
5	Cost Management of Engineering Projects	Cost Management of Engineering Projects	100
6	Waste to Energy	Waste to Energy	0
7	Industrial Safety	Industrial Safety	0
8	Advances in Operations Research	Advances in Operations Research	14
9	Composite Materials	Composite Materials	0
10	Dissertation Phase – I	Dissertation Phase – I	0
11	Dissertation Phase – II	Dissertation Phase – II	0

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME M.Tech II Year	11	33.27

**B. Course Relevance**

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

**M.Tech**

Sno	Course Title	Course Code	Relevance
1	Research Methodology and IPR	20HS0823	Skill Development
2	Thermodynamics and Combustion	20ME3101	Employability
3	Advanced Fluid Dynamics	20ME3102	Employability
4	Nuclear Engineering	20ME3112	Employability
5	Energy Conservation and	20ME3113	Employability

	Management		
6	Energy Management in Thermal Systems	20ME3114	Employability
7	Air Conditioning System Design	20ME3115	Employability
8	Jet Propulsion and Rocketry	20ME3116	Employability
9	Fuels and Combustion	20ME3117	Employability
10	Thermal Engineering Lab	20ME3103	Skill Development
11	Computer Aided Analysis Lab	20ME3104	Skill Development
12	English for Research Paper writing	20HS0818	Skill Development
13	Advanced Heat Transfer	20ME3105	Employability
14	Steam Engineering	20ME3106	Employability
15	Refrigeration and Cryogenics	20ME3118	Employability
16	Design of Heat Exchangers	20ME3119	Employability
17	Cryogenic Engineering	20ME3120	Employability
18	Computational Fluid Dynamics	20ME3121	Employability
19	Modeling of IC Engines	20ME3122	Skill Development
20	Instrumentation for Thermal Engineering	20ME3123	Employability
21	Computational Fluid Dynamics Lab	20ME3107	Skill Development
22	Thermal Engineering Lab (Virtual Lab)	20ME3108	Skill Development
23	Constitution of India	20HS0825	Skill Development
24	Mini-Project	20ME3109	Skill Development
25	Research Methodology and IPR	20HS0823	Skill Development
26	Computational Methods	20HS0840	Skill Development
27	Computer Integrated Manufacturing	20ME3001	Employability
28	Geometric Modeling	20ME3011	Skill Development
29	CNC Technology & Programming	20ME3012	Employability
30	Additive Manufacturing and Tooling	20ME3012	Employability
31	Quality Engineering and Manufacturing	20ME3014	Employability
32	Computer Aided Process Planning	20ME3015	Employability
33	Mechanical Behaviour of Materials	20ME3016	Employability
34	Computer Aided Design Lab	20ME3002	Skill Development
35	Computer Modeling Lab	20ME3003	Skill Development
36	English for Research Paper Writing	20HS0818	Skill Development
37	Finite Element Methods	20ME3004	Employability
38	Rapid Prototyping	20ME3005	Employability
39	Advances in Manufacturing Technology	20ME3017	Employability
40	Advanced Optimization Techniques	20ME3018	Employability
41	Product Life Cycle Management	20ME3019	Employability
42	Computer Graphics	20ME3020	Employability
43	Robotics	20ME3021	Employability
44	Non Destructive Testing	20ME3022	Employability
45	Manufacturing Engineering Lab	20ME3006	Skill Development



	(Virtual Lab)		
46	Computer Aided Analysis Lab	20ME3007	Skill Development
47	Constitution of India	20HS0825	Skill Development
48	Mini-Project	20ME3008	Skill Development
49	Design of Solar and Wind System	19ME3120	Skill Development
50	Finite Element Methods in Thermal Engineering	19ME3126	Employability
51	Thermal Measurements and Process Control	19ME3127	Employability
52	Business Analytics	19HS0824	Entrepreneurship
53	Cost Management of Engineering Projects	19CE1028	Skill Development
54	Waste to Energy	19EE2128	Employability
55	Industrial Safety	19ME3121	Employability
56	Advances in Operations Research	19ME3021	Employability
57	Composite Materials	19ME3022	Employability
58	Dissertation Phase – I	19ME3110	Employability
59	Dissertation Phase - II	19ME3111	Employability
60	Mechatronics	19ME3019	Employability
61	Mechanics of Composites	19ME3020	Employability
62	Industrial Robotics and Expert Systems	19ME3027	Employability
63	Business Analytics	19HS0824	Entrepreneurship
64	Cost Management of Engineering Projects	19CE1028	Skill Development
65	Waste to Energy	19EE2128	Skill Development
66	Industrial Safety	19ME3121	Employability
67	Advances in Operations Research	19ME3021	Employability
68	Composite Materials	19ME3022	Employability
69	Dissertation Phase – I	19ME3009	Employability
70	Dissertation Phase – II	19ME3010	Employability

As per the decisions taken Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 4**

Approval of panel of examiners and question paper setters for various regulations under UG.

**Resolution:4**

Approved the panel of examiners prepared for valuation and panel of question paper setters (given in **Annexure–V** respectively) to be submitted to the college Academic council for approval.

**Agenda: 5**







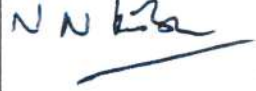

Approval of panel of examiners and question paper setters for various regulations under PG.

**Resolution:5**

Approved the panel of examiners prepared for valuation and panel of question paper setters (given in **Annexure–VI** respectively) to be submitted to the college Academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of thanks proposed by the Chairman-BoS.

## Members Present

S. No.	Member Name	Designation/Organisation	Role of BOS	Signature
1.	Dr. S. Sunil Kumar Reddy	Professor &HOD-SIETK	Chairman	
2.	Dr. C.Sreedhar	Professor-SIETK	Member	
3.	Dr. F. Anand Raju	Professor-SIETK	Member	
4.	Dr. Subhankar Das	Associate Professor-SIETK	Member	
5.	Mr. D.Krishnaiah	Associate Professor-SIETK	Member	
6.	Dr. BVSSS Prasad	Professor, Dept of ME IIT, Madras, Chennai	Member	
7.	Dr. G. Jaya Chandra Reddy	Professor & Head Yogi Vemana University Prodattur, Kadapa	Member	ABSENT
8.	Dr. N. N.Kishore	Professor, Dept of ME IIT, Tirupathi, Chittoor	Member	
9.	Mr. B. Madhu Prathap	Director, SIBAR Auto Parts,Industrial Estate, Renigunta, Chittoor Dist.	Member	ABSENT
10.	Mr. R. Bhaskar Reddy	Asst.Professor, SPMVV, Tirupathi, Chittoor Dist.	Member	

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**6<sup>th</sup> BoS Meeting of Mechanical Engineering (ME)**

Date: 19/01/2021

The 6<sup>th</sup> meeting of Board of Studies (BoS) in Mechanical Engineering is held on 19 January, 2021 (Tuesday) at 10.00 AM online through ZOOM.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. S. Sunil Kumar Reddy, Chairman - BoS chaired the meeting and welcomed all the members to the fifth BoS meeting and discussed the following agenda:

1. Approval of course structure and syllabus for 1 year B.Tech. under R20 Regulation.
2. Approval of panel of examiners and paper setters for 1 year B.Tech. under R20 regulation.
3. Any other item with the permission of Chair.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure and syllabus for I year B.Tech. under R20 Regulation in ME w.e.f., 2020-2021.

**Resolution: 1**

After detailed discussion, the BoS resolved to approve the course structure and syllabus for I year B.Tech. under R20 Regulation (given in **Annexure –I** respectively) applicable from the A.Y.2020-2021.

**A. Course & Syllabus Comparison**

With reference to the R19 regulations, the new regulation (R20) syllabus for 1 year has the following modifications which, are given in the below table.

S.No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Algebra & Calculus	Algebra and Calculus	30
2	Engineering Chemistry	Engineering Chemistry	20
3	Communicative English	Communicative English	0
4	Basic Electrical & Electronics Engineering	Basic Electrical & Electronics Engineering	0
5	Engineering Graphics	Engineering Graphics	0
6	Engineering Chemistry Lab	Engineering Chemistry Lab	10
7	Communicative English Lab	Communicative English Lab	0
8	Basic Electrical & Electronics Engineering lab	Basic Electrical & Electronics Engineering lab	0
9	Differential Equations and Complex Analysis	Differential Equations and Complex Analysis	40
10	Advanced Physics	Engineering Physics	20
11		C Programming and Data Structures	100
12	Engineering	Basic Thermodynamics	0

	Thermodynamics		
13	Engineering Mechanics	Basics of Engineering Mechanics	65
14	Applied Physics Lab	Engineering Physics Lab	0
15		C Programming and Data Structures Lab	100
16	Workshop Practice Lab	Workshop Practice Lab	100
17	Indian Constitution	Indian Constitution	0

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
ME B.Tech I Year	17	28.52

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Communicative English	20HS0810	Skill Development
2	Basic Electrical & Electronics Engineering	20EE0251	Skill Development
3	Engineering Graphics	20ME0301	Employability
4	Communicative English Lab	20HS0811	Skill Development
5	Basic Electrical & Electronics Engineering lab	20HS0811	Skill Development
6	C Programming and Data Structures	20CS0501	Skill Development
7	Basic Thermodynamics	20ME0303	Employability
8	Engineering Mechanics	20CE0102	Skill Development
9	C Programming and Data Structures Lab	20CS0502	Skill Development
10	Workshop Practice Lab	20ME0302	Skill Development
11	Indian Constitution	20HS0816	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

### Agenda: 2

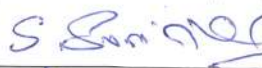

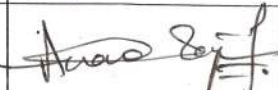





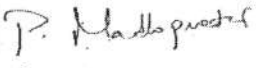

Approval of Panel of examiners and Question paper setters for I year B.Tech. under R20 Regulation under UG.

**Resolution:2**

Approved the panel of examiners prepared for valuation and panel of question paper setters (given in **Annexure-II** respectively) to be submitted to the college Academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of thanks proposed by the Chairman-BoS.

## Members Present

S. No.	Member Name	Designation/Organisation	Role of BOS	Signature
1.	Dr. S. Sunil Kumar Reddy	Professor &HOD-SIETK	Chairman	
2.	Dr. C.Sreedhar	Professor-SIETK	Member	
3.	Dr. F. Anand Raju	Professor-SIETK	Member	
4.	Dr. S. Suresh	Professor-SIETK	Member	
5.	Dr. K. Siva Kumar	Associate Professor-SIETK	Member	
6.	Dr. BVSSS Prasad	Professor, Dept of ME IIT, Madras, Chennai	Member	
7.	Dr. G. Jaya Chandra Reddy	Professor & Head Yogi Vemana University Prodattur, Kadapa	Member	
8.	Dr. N. N.Kishore	Professor, Dept of ME IIT, Tirupathi, Chittoor	Member	
9.	Mr. P. Madhu Prathap	Director, SIBAR Auto Parts,Industrial Estate, Renigunta, Chittoor Dist.	Member	
10.	Mr. R. Bhaskar Reddy	Asst.Professor, SPMVV, Tirupathi, Chittoor Dist.	Member	



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**1<sup>ST</sup> BoS Meeting of Electronics and Communication Engineering (ECE)**

Date: 08-07-2016

The 1<sup>st</sup> meeting of Board of Studies (BoS) in Electronics and Communication Engineering is held on 08 July 2016 at 1:30 PM in the Department of Electronics and Communication Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. M. Janardhana Raju, Chairman BoS chaired the meeting and welcomed all the members to the first BoS meeting and discussed about the following agenda

**Agenda:**

1. Preparation of course structure for UG & PG in ECE w.e.f., 2016-17.
2. Preparation of syllabi for I & II-year UG & PG in ECE w.e.f., 2016-17.
3. Preparation of syllabi for the subjects offered to various branches w.e.f., 2016-17.
4. Suggesting Panel of Question Paper setters.
5. Suggesting Panel of Examiners.
6. Methodologies for Innovative teaching.
7. Academic activities.

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Preparation of course structure for UG & PG in ECE w.e.f., 2016-17.

**Resolution: 1**

After detailed discussion the course structure for UG & PG in ECE is prepared (given in **Annexure –I**) and is applicable from the A.Y. 2016-17.

**Agenda: 2**

Preparation of syllabi for I & II-year UG & PG in ECE w.e.f., 2016-17.

**Resolution: 2**

After the thorough discussion syllabi was framed to make the students to acquire the required technical knowledge and skills. The syllabi framed for the I & II-year UG & PG in ECE (given in **Annexure-II**) and is applicable from the A.Y. 2016-17.

**A. Course & Syllabus Comparison**

With reference to the R15 regulations, the new regulation (R16) syllabus for 1<sup>st</sup> year has the following modifications, which are given in the below table.

**I & II B.Tech**

S.No	R15 Regulation	R16 Regulation	Percentage of course content changed
1.	Functional English	Functional English	0
2.	Mathematics – I	Engineering Mathematics-I	0
3.	Engineering Chemistry	Engineering Chemistry	0
4.	Computer Programming	Computer Programming	0
5.	Engineering Drawing	Engineering Graphics	20
6.	English Language Communication Skills Lab	English Language and Communication Skills Lab	0
7.	Engineering Chemistry Lab	Engineering Chemistry Lab	0
8.	Computer Programming Lab	Computer Programming Lab	0
9.	English for Professional Communication	Professional English	0
10.	Mathematics – II	Engineering Mathematics-II	0
11.	Engineering Physics	Engineering Physics	0
12.		Human Values & Professional Ethics	100
13.	Network Analysis	Network Analysis	0

14.	Engineering Physics Lab	Engineering Physics Lab	0
15.	Network Analysis Lab	Network Analysis Lab	0
16.	Engineering and IT Workshop	Engineering & IT workshop Lab	0
17.	Mathematics-III	Engineering Mathematics-III	0
18.	Electronic Devices and Circuits	Basic Electronic Devices	0
19.	Switching Theory and Logic Design	Switching Theory & Logic Design	0
20.	Signals and Systems	Signals and Systems	0
21.	Probability Theory and Stochastic Processes	Random Signal & Stochastic Processes	0
22.	Environmental Studies	Environmental Studies	20
23.	Electronic Devices and Circuits Laboratory	Basic Electronic Devices Lab	0
24.	Electrical Technology and Basic Simulation Laboratory	Basic Simulation Lab	0
25.		Data Structures through C	100
26.	Electronic Circuit Analysis	Electronic Circuit Analysis	0
27.	Computer Organization	Computer Organization and Architecture	0
28.	Electromagnetic Theory and Transmission Lines	Electromagnetic Theory and Transmission Lines	0
29.		Pulse & Digital Circuits	100
30.	Electrical Technology	Electrical Technology	0
31.	Electronic Circuit Analysis Laboratory	Electronic Circuit Analysis Lab	0
32.		Pulse & Digital Circuits Lab	100
33.	Electrical Technology and Basic Simulation Laboratory	Electrical Technology Lab	0
34.		Comprehensive Soft Skills	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
<b>ECE B.Tech I&amp; II Year</b>	<b>34</b>	<b>15.88</b>

**I & II M.Tech**

<b>S.No</b>	<b>R15 Regulation</b>	<b>R16 Regulation</b>	<b>Percentage of course content changed</b>
1.	Digital System Design	Digital System Design	0
2.	Embedded System Concepts	Embedded System Concepts	0
3.	Advanced Digital Signal Processing	Advanced Digital Signal Processing	0
4.	Digital Communication Techniques	Digital Communication Techniques	0
5.	Adaptive Signal Processing	Adaptive Signal Processing	0
6.	Advanced Computer Architectures	Advanced Computer Architectures	0
7.	DSP Processors & Architectures	DSP Processors & Architectures	0
8.	Low Power VLSI Design	Low Power VLSI Design	0
9.	Digital System Design Lab	Digital System Design Lab	0
10.	Micro Computer System Design	Micro Computer System Design	20
11.	Hi-Speed Networks	Hi-Speed Networks	0
12.	Wireless Communications	Wireless Communications	0
13.	Coding Theory & Techniques	Coding Theory & Techniques	0
14.	Detection & Estimation of Signals	Detection & Estimation of Signals	0
15.	Image & Video Processing	Image & Video Processing	0
16.	Optical Communications	Optical Networks	100
17.	Compression Techniques	Compression Techniques	0
18.	Communications & Signal Processing Lab	Communications & Signal Processing Lab	0
19.	Seminar	Seminar	0
20.	Project work	Project work	0
21.	Advanced DSP & Applications	Advanced DSP & Applications	0
22.	Embedded System Concepts	Embedded System Concepts	0
23.	Advanced Computer Architecture	Advanced Computer Architecture	0
24.	Micro Controllers & Interfacing	Micro Controllers & Interfacing	0
25.	Operating Systems		0
26.	Digital IC Design	Digital IC Design	0
27.	VLSI Technology	VLSI Technology	0
28.	Algorithms for VLSI Design Automation	Algorithms for VLSI Design Automation	0

29.	Microcontrollers & Interfacing Lab	Microcontrollers & Interfacing Lab	100
30.	Testing & Testability	Testing & Testability	0
31.	Real Time Operating Systems	Real Time Operating Systems	0
32.	Hardware Software Co-design	Hardware Software Co-Design	0
33.	FPGA Architecture & Applications	FPGA Architecture and Applications	0
34.	Cryptography & Network Security	Cryptography & Network Security	0
35.	Radio Frequency Identification	Radio Frequency Identification	0
36.	Micro Electromechanical Systems	Micro Electromechanical Systems	0
37.	Expert Systems		0
38.	RTOS & FPGA Lab	RTOS and FPGA Lab	0
39.	Seminar	Seminar	0
40.	Project work	Project work	0
41.		System Modeling & Simulation	100
42.	VLSI Technology	VLSI Technology	0
43.	Analog IC Design	Analog IC Design	0
44.	Digital IC Design	Digital IC Design	0
45.	Hardware Description Languages	Verilog HDL	0
46.	Hardware Software Co-design	Hardware Software Co-Design	0
47.	Embedded system Concepts	Embedded system Concepts	90
48.	System Modeling & Simulation	System Modeling & Simulation	0
49.	ASIC Design	ASIC Design	0
50.	Digital IC Design Lab	Digital IC Design Lab	0
51.	Testing & Testability	Testing & Testability	0
52.	Low Power VLSI Design	Low Power VLSI Design	0
53.	Algorithms for VLSI Design Automation	Algorithms for VLSI Design Automation	0
54.	FPGA Architectures & Applications	FPGA Architectures & Applications	0
55.	Scripting Language for VLSI Design Automation	Scripting Language for VLSI Design Automation	0
56.	Nano Electronics	Nano Electronics	0
57.	Cryptography & Network	Cryptography & Network	0

	Security	Security	
58.	Real Time Operating Systems	Real Time Operating Systems	0
59.	Mixed Signal Lab	Mixed Signal Lab	0
60.	Seminar	Seminar	0

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
<b>ECE M.Tech I &amp; II Year</b>	<b>60</b>	<b>6.833</b>

#### B. Course Relevance

The courses that come under the category of Employability, Skill or Entrepreneurship Development are shown in the table below.

#### I & II B.Tech

S.No	Course Title	Course Code	Relevance
1.	Functional English	16HS601	Skill Development
2.	English Language and Communication Skills Lab	16HS607	Skill Development
3.	Computer Programming Lab	16CS502	Skill Development
4.	Computer Organization and Architecture	16EC408	Skill Development
5.	Data Structures through C	16CS503	Skill Development
6.	Network Analysis	16EE205	Employability
7.	Network Analysis Lab	16EE206	Employability
8.	Basic Electronic Devices	16EC401	Employability
9.	Switching Theory & Logic Design	16EC402	Employability
10.	Signals and Systems	16EC403	Employability
11.	Random Signal & Stochastic Processes	16EC404	Employability
12.	Environmental Studies	16HS605	Employability

13.	Basic Electronic Devices Lab	16EC405	Employability
14.	Basic Simulation Lab	16EC406	Employability
15.	Electronic Circuit Analysis	16EC407	Employability
16.	Electromagnetic Theory and Transmission Lines	16EC409	Employability
17.	Pulse & Digital Circuits	16EC410	Employability
18.	Electrical Technology	16EE212	Employability
19.	Electronic Circuit Analysis Lab	16EC412	Employability
20.	Pulse & Digital Circuits Lab	16EC413	Employability
21.	Electrical Technology Lab	16EE213	Employability
22.	Computer Programming	16CS501	Employability
23.	Professional English	16HS610	Employability
24.	Network Analysis	16EE205	Employability
25.	Network Analysis Lab	16EE206	Employability
26.	Comprehensive Soft Skills	16HS614	Employability

#### I & II M.Tech

S. No	Course Title	Course Code	Relevance
1.	Digital System Design	16EC3801	Employability
2.	Advanced Digital Signal Processing	16EC3802	Employability
3.	Digital Communication Techniques	16EC3803	Employability
4.	Adaptive Signal Processing	16EC3804	Employability
5.	Embedded System Concepts	16EC5502	Employability
6.	Advanced Computer Architectures	16EC5503	Employability
7.	DSP Processors & Architectures	16EC3805	Employability
8.	Low Power VLSI Design	16EC5709	Employability

9.	Micro Computer System Design	16EC3807	Employability
10.	Image & Video Processing	16EC3808	Employability
11.	Wireless Communications	16EC3809	Employability
12.	Coding Theory & Techniques	16EC3810	Employability
13.	Detection & Estimation of Signals	16EC3811	Employability
14.	Hi-Speed Networks	16EC3812	Employability
15.	Optical Networks	16EC3813	Employability
16.	Compression Techniques	16EC3814	Employability
17.	Micro Controllers & Interfacing	16EC5501	Employability
18.	Embedded System Concepts	16EC5502	Employability
19.	Advanced Computer Architecture	16EC5503	Employability
20.	Advanced DSP & Applications	16EC5504	Employability
21.	Digital System Design	16EC3801	Employability
22.	Digital IC Design	16EC5703	Employability
23.	VLSI Technology	16EC5701	Employability
24.	Algorithms for VLSI Design Automation	16EC5710	Employability
25.	Real Time Operating Systems	16EC5506	Employability
26.	Testing & Testability	16EC5507	Employability
27.	Hardware Software Co-Design	16EC5508	Employability
28.	Cryptography & Network Security	16EC5509	Employability
29.	FPGA Architecture and Applications	16EC5708	Employability
30.	Radio Frequency Identification	16EC5510	Employability
31.	Micro Electromechanical Systems	16EC5511	Employability
32.	System Modeling & Simulation	16EC5705	Employability
33.	VLSI Technology	16EC5701	Employability
34.	Analog IC Design	16EC5702	Employability



35.	Digital IC Design	16EC5703	Employability
36.	Verilog HDL	16EC5704	Employability
37.	Hardware Software Co-Design	16EC5508	Employability
38.	Embedded system Concepts	16EC5502	Employability
39.	System Modeling & Simulation	16EC5705	Employability
40.	ASIC Design	16EC5706	Employability
41.	FPGA Architectures & Applications	16EC5708	Employability
42.	Testing & Testability	16EC5507	Employability
43.	Low Power VLSI Design	16EC5709	Employability
44.	Algorithms for VLSI Design Automation	16EC5710	Employability
45.	Scripting Language for VLSI Design Automation	16EC5711	Employability
46.	Nano Electronics	16EC5712	Employability
47.	Cryptography & Network Security	16EC5509	Employability
48.	Real Time Operating Systems	16EC5506	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Preparation of syllabi for the subjects offered to various branches w.e.f. 2016-17.

**Resolution: 3**

After the thorough discussion syllabi was prepared and finalized for the subjects offered to various branches (given in **Annexure-III**).

**Agenda: 4**

Suggesting Panel of Question Paper setters.

**Resolution: 4**

The panel of question paper setters was suggested (given in **Annexure –IV**).

**Agenda: 5**

Suggesting Panel of examiners

**Resolution: 5**

The panel of examiners was suggested (given in **Annexure –V**)

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of Thanks proposed by the Chairman-BoS.

**Agenda: 6**

Methodologies for Innovative teaching.

**Resolution: 6**

After the thorough discussion, innovative teaching methodologies like, ICT, smart book can be implemented in classroom teaching. Faculty and students are advised to learn advanced courses through nptel and other platforms.


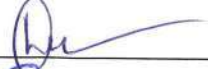


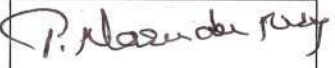

**Agenda: 7**

Academic activities.

**Resolution: 7**

After the detailed discussion panel suggested to improve the quality of Academic activities and bring all of them under professional societies. Also instructed to improve the industry interactions.

### Members Present

S.No.	Member Name	Academic/ Industry Position	Role in the BOS	Signature
1.	Prof. M.Janardhana Raju	Professor& HOD-SIETK	Chairman	
2.	Mrs. M.Kalpana	Associate Professor-SIETK (ES &VLSI)	Member	
3.	Mrs. K.S.Devesawari	Associate Professor-SIETK (Applied Electronics )	Member	
4.	Mr. C. Vijaya Bhaskar	Associate Professor-SIETK (VLSI system design)	Member	
5.	Mr. V.Viswanadha	Associate Professor-SIETK (DECS)	Member	
6.	Dr. S. Narayana Reddy	Professor, S.V. University, Tirupati	Member	
7.	Dr. Rama Komaragiri	Associate Professor, NIT Calicut	Member	ABSENT
8.	Dr.P.Ramana Reddy	Professor JNTUA,Ananthapuramu	Member	
9.	Mr. Narendra Reddy	Scientist-C, CMTI, Bangalore	Member	
10.	Mr. B.Venkatadri	Software Developer HCL Technologies	Member	

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**2<sup>nd</sup> BoS Meeting of Electronics and Communication Engineering (ECE)**

Date: 23/12/2017

The 2<sup>nd</sup> meeting of Board of Studies (BoS) in Electronics and Communication Engineering is held on 23<sup>rd</sup> December 2017 at 10.00 AM in the Department of Electronics and Communication Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor -Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum

Mr. M. Janardhan Raju, Chairman - BoS chaired the meeting and welcomed all the members to the Second BoS meeting and discussed about the following agenda:

1. Preparation of course structure for III & IV-year UG in ECE w.e.f., 2018-19.
2. Preparation of syllabi for III & IV-year UG in ECE w.e.f., 2018-19.
3. Preparation of syllabus for the subject offered to other branches w.e.f., 2018-19.
4. Suggesting Panel of Question Paper setters.
5. Suggesting Panel of Examiners.
6. Quality of internal Question papers.
7. Academic project evaluation.

After a brief introduction of the agenda items listed above, each agenda item was taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Preparation of course structure for III & IV-year UG in ECE w.e.f., 2018-19.

**Resolution: 1**

After the detailed discussion the course structure for III & IV-year UG in ECE was prepared (given in **Annexure –I**) and is applicable from the A.Y., 2018-19.

**Agenda: 2**

Preparation of syllabus for III & IV-year UG in ECE w.e.f., 2018-19.

**Resolution: 2**

After the thorough discussion syllabi was formulated to make the students acquire the required technical knowledge and skills. The syllabi framed for the III and IV years of UG in ECE (given in **Annexure –II**) and is applicable from the A.Y., 2018-19.

**A. Course & Syllabus Comparison**

With reference to the R15 regulations, the new regulation (R16) syllabus for 3<sup>rd</sup> & 4<sup>th</sup> year has the following modifications, which are given in the below table.

**III & IV B.Tech.**

S.No	R15 Regulation	R16 Regulation	Percentage of course content changed
1.		Pulse & Digital Circuits	100
2.		Pulse & Digital Circuits Lab	100
3.	Electronic Circuit Analysis Laboratory	Electronic Circuit Analysis Lab	0
4.		Electrical Technology Lab	0
5.	Computer Organization	Computer Organization and Architecture	0
6.	Antennas and Wave Propagation	Antennas & Wave Propagation	60
7.		Linear Control Systems	100
8.	Digital Communication Systems	Digital Communications	0

9.	Linear Integrated Circuits and Applications	Linear IC Applications	25
10.		Analog Communications Lab	100
11.	Digital Communication Systems Laboratory	Digital Communications Lab	0
12.	Managerial Economics and Financial Analysis	Managerial Economics & Financial Analysis	0
13.		Digital IC Applications	100
14.	Microprocessors & Microcontrollers	Microprocessors & Microcontrollers	80
15.		Analog Communications	100
16.	Electronic Measurements and Instrumentation	Electronic Measurements and Instrumentation	0
17.	Digital Signal Processing	Digital Signal Processing	20
18.	VLSI Design	VLSI Design	50
19.	Neural Networks & Fuzzy Logic	Neural Networks & Fuzzy Logic	35
20.	Intellectual Property Rights	Intellectual Property Rights	0
21.		Digital IC Applications Lab	100
22.	Advanced English Language Communication Skills (AELCS) Laboratory (Audit Course)	Advanced English Language and Communication Skills Lab	0
23.	Optical Fiber Communication	Optical Fiber Communication	25
24.		Entrepreneurship Development	100
25.	Embedded Systems	Embedded Systems	90
26.	Microwave Engineering	Microwave Engineering	10
27.	Data Communications and Networking	Computer Networks	55
28.	Radar Systems	Radar & Navigational Aids	65
29.		Satellite and TV Engineering	100
30.		Spread spectrum communications	100
31.	Digital Image Processing	Digital Image processing	10
32.		Medical Electronics	100
33.		Elements of Road Traffic Safety	100

34.		Non-Conventional Energy Resources	100
35.		Database Management systems	100
36.		Wireless Communication & Networks	100
37.	Cellular & Mobile Communication	Cellular & Mobile Communication	100
38.	Real Time Systems	Real time operating Systems	0
39.	Microwave and Optical Communication Laboratory	Microwave & Optical Communications Lab	0
40.	VLSI & Embedded Systems Laboratory	Embedded Systems Lab	100
41.	Pattern Recognition & Applications	Pattern Recognition & Applications	0

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ECEB. Tech. III and IV Year	41	54.26

#### B. Course Relevance

The courses that come under the category of Employability, Skill or Entrepreneurship Development are shown in the table below.

S. No.	Course Title	Course Code	Relevance
1	Analog Communications	16EC415	Employability
2	Electronic Measurements and Instrumentation	16EC416	Employability
3	Linear IC Applications	16EC417	Employability
4	Antennas & Wave Propagation	16EC418	Employability
5	Linear Control Systems	16EE216	Employability
6	Managerial Economics & Financial Analysis	16MB750	Entrepreneurship
7	Analog Communications Lab	16EC419	Employability
8	Linear IC Applications Lab	16EC420	Employability
9	Digital Communications	16EC421	Employability
10	Digital Signal Processing	16EC422	Employability
11	Microprocessors & Microcontrollers	16EC423	Employability
12	Digital IC Applications	16EC424	Employability
13	Microwave Engineering	16EC425	Employability
14	Advanced English Language and Communication Skills Lab	16HS615	Skill Development

15	Digital Communications Lab	16EC426	Skill Development
16	Digital IC Applications Lab	16EC427	Skill Development
17	Entrepreneurship Development	16MB751	Entrepreneurship
18	Embedded Systems	16EC429	Employability
19	Optical Fiber Communication	16EC430	Employability
20	VLSI Design	16EC431	Employability
21	Digital Image processing	16EC432	Employability
22	Medical Electronics	16EC433	Employability
23	Pattern Recognition & Applications	16EC434	Employability
24	Elements of Road Traffic Safety	16CE145	Employability
25	Neural Networks & Fuzzy Logic	16EE239	Employability
26	Non-Conventional Energy Resources	16ME313	Employability
27	Database Management systems	16CS511	Employability
28	Intellectual Property Rights	16MB752	Entrepreneurship
29	Microwave & Optical Communications Lab	16EC435	Employability
30	Embedded Systems Lab	16EC436	Employability
31	Real time operating Systems	16EC437	Employability
32	Radar & Navigational Aids	16EC438	Employability
33	Satellite and TV Engineering	16EC439	Employability
34	Spread spectrum communications	16EC440	Employability
35	Wireless Communication & Networks	16EC441	Employability
36	Computer Networks	16CS527	Employability
37	Cellular & Mobile Communication	16EC442	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Preparation of syllabus for the subject offered to other branches w.e.f. 2018-19.

**Resolution: 3**

After the thorough discussion syllabus was prepared for the subject offered to other branches (given in **Annexure-III**) and is applicable from the A.Y., 2018-19.

**Agenda: 4**

Suggesting Panel of question paper setters.

**Resolution: 4**

The panel of question paper setters was suggested (given in **Annexure -IV**).



**Agenda: 5**

Suggesting Panel of examiners.

**Resolution: 5**

The panel of examiners for valuation was suggested(given in **Annexure –V**).

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of Thanks proposed by the Chairman-BoS.

**Agenda: 6**

Quality of internal Question papers.

**Resolution: 6**

After sample internal question papers verification panel suggested to prepare the questions matching with the course outcomes and also advised to follow Blooms taxonomy levels.

**Agenda: 7**

Academic project evaluation.

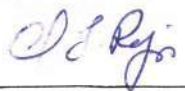



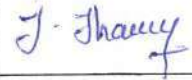


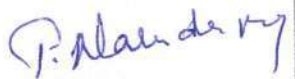
**Resolution: 7**

The panel revised the rubric of project evaluation and instructed to following parameters. Significance of the project, Literature survey, knowledge in the domain, presentation and implementation.

2<sup>nd</sup> BoS Meeting of Electronics and Communication Engineering (ECE)

Date: 23/12/2017

**Members Present**

S.No.	Member Name	Academic/ Industry Position	Role in the BOS	Signature
1.	Prof. M.Janardhana Raju	Professor& HOD-SIETK	Chairman	
2.	Mrs. K.S.Devesawari	Associate Professor-SIETK (Applied electronics)	Member	
3.	Mr. V.Viswanadha	Associate Professor-SIETK (DECS)	Member	
4.	Mr. C. Vijaya Bhaskar	Associate Professor-SIETK (VLSI system design)	Member	
5.	Mrs.J.Jhansi	Associate Professor-SIETK (Embedded systems)	Member	
6.	Dr. S. Narayana Reddy	Professor, S.V. University, Tirupati	Member	
7.	Dr. Rama Komaragiri	Associate Professor, NIT Calicut	Member	ABSENT
8.	Dr.P.Ramana Reddy	Professor JNTUA, Ananthapuramu	Member	
9.	Mr. Narendra Reddy	Scientist-C, CMTI, Bangalore	Member	
10.	Mr. B.Venkatadri	Software Developer HCL Technologies	Member	ABSENT

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR**  
**(AUTONOMOUS)**

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**3<sup>rd</sup> BOS Meeting of Electronics & Communication Engineering (ECE)**

Date: 18-06-2018

The 3<sup>rd</sup> meeting of Board of Studies (BOS) in Electronics & Communication Engineering is held on 18 June, 2018 at 2:00 PM in the Department of Electronics & Communication Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. M. Janardhana Raju, Chairman BOS chaired the meeting and welcomed all the members to the third BOS meeting and discussed about the following agenda

**Agenda:**

1. Approval of course structure for UG & PG in ECE w.e.f., A.Y.2018-19.
2. Approval of syllabus for I & II-year UG in ECE w.e.f., A.Y.2018-19.
3. Approval of syllabus PG in ECE w.e.f., A.Y.2018-19
4. Approval of syllabus for the subjects offered to various branches w.e.f. 2018-19.
5. Approval of Panel of Question Paper setters.
6. Approval of Panel of Examiners.
7. Procedures of Evaluation.
8. Academic facilities improvement.

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for UG & PG in ECE w.e.f., A.Y.2018-19

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for UG & PG(ECE) (given in **Annexure –I**) applicable from the A.Y.2018-19.

**Agenda: 2**

Approval of syllabus for I & II-year UG in ECE w.e.f., A.Y.2018-19

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I and II-year B. Tech I & II-Semesters (given in **Annexure-II**)

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for I<sup>st</sup> and 2<sup>nd</sup> year has the following modifications, which are given in the below table.

**I & II B.Tech**

S.No	R16 Regulation	R18 Regulation	Percentage of course content changed
1.	Functional English	English	10
2.	Engineering Mathematics-I	Mathematics-I	0
3.	Engineering Chemistry	Chemistry	40
4.	Computer Programming	Programming For Problem Solving	100
5.	Engineering Graphics	Engineering Graphics & Design	0
6.	English Language and Communication Skills Lab	English Lab	0
7.	Engineering & IT workshop Lab	Workshop Practice Lab	0

8.	Engineering Chemistry Lab	Chemistry lab	40
9.	Computer Programming Lab	Programming For Problem Solving Lab	100
10.	Engineering Mathematics-II	Mathematics-II	0
11.	Engineering Physics	Semiconductor Physics	20
12.	Network Analysis	Network Theory	100
13.		Basic Electrical Engineering	100
14.		Engineering Mechanics	100
15.		Essence of Indian Traditional Knowledge	0
16.	Engineering Physics Lab	Physics Lab	0
17.	Engineering Mathematics-III	Mathematics-III	0
18.	Basic Electronic Devices	Electronic Devices	60
19.	Switching Theory & Logic Design	Digital System Design	40
20.	Signals and Systems	Signals & Systems	0
21.	Random Signal & Stochastic Processes	Probability Theory and Stochastic Processes	0
22.	Environmental Studies	Environmental Sciences	0
23.		Digital System Design Lab	100
24.	Basic Electronic Devices Lab	Electronic Devices Lab	0
25.	Basic Simulation Lab	Signals and Systems Simulation Lab	0
26.		Indian Constitution	0
27.	Electronic Circuit Analysis	Analog Circuits	45
28.	Electronic Circuit Analysis Lab	Analog Circuits Lab	100
29.	Analog Communications	Analog Communications	0
30.	Comprehensive Online Examination-II	Aptitude Practices	0
31.	Comprehensive Soft Skills	Comprehensive Online Examination-II	0
32.		Biology for Engineers	100
33.	Managerial Economics & Financial Analysis	Managerial Economics & Financial Analysis	0
34.	Analog Communications Lab	Analog Communications Lab	0

**Consolidated Sheet**

<b>Course</b>	<b>Total courses</b>	<b>Percentage of syllabus changed</b>
<b>ECE B.Tech I &amp; II Year</b>	<b>34</b>	<b>31.02</b>

**I & II M.Tech**

<b>S.No</b>	<b>R16 Regulation</b>	<b>R18 Regulation</b>	<b>Percentage of course content changed</b>
1.	Digital System Design	Advanced Digital Signal Processing	0
2.	Advanced Digital Signal Processing	Digital Communication Techniques	0
3.	DSP Processors & Architectures	DSP Processors & Architectures	0
4.	Hi-Speed Networks	High Speed Networks	0
5.		Antenna and Radiating Systems	0
6.		Voice and Data Networks	0
7.		Wireless Sensor Networks	0
8.		Advanced Digital Signal Processing Lab(Virtual Lab)	100
9.		Advanced Digital System Design Lab	100
10.		Research Methodology and IPR	100
11.		English for Research Paper Writing	100
12.		Disaster Management	100
13.		Sanskrit for Technical Knowledge	100
14.		Advanced Digital System Design	100
15.		Wireless Communications	100
16.		Coding Theory & Techniques	100
17.		Introduction to IoT	100
18.		Adaptive Signal Processing	100
19.		Cognitive Radio	100
20.		Image & Video Processing	100
21.		Pattern Recognition and Machine learning	100
22.		Detection & Estimation of Signals	100

23.		Advanced Communications Lab (Virtual Lab)	100
24.		Image & Video Processing Lab	100
25.		Mini Project	100
26.		Constitution of India	100
27.		Pedagogy Studies	100
28.		Stress Management by Yoga	100
29.		Personality Development Through Life	100
30.		Enlightenment Skills.	100
31.	Micro Controllers & Interfacing	Advanced Microcontrollers	100
32.	Embedded System Concepts	Embedded System Design	0
33.		Sensors and Actuators	100
34.		FPGA Architectures & Applications	100
35.		Embedded Networking	100
36.		Wireless Communications	100
37.		Internet Protocols	100
38.		Embedded System Design Lab	100
39.		Structural Digital System Design Lab	100
40.		Research Methodology and IPR	100
41.		English for Research Paper Writing	100
42.		English for Research Paper Writing	100
43.		Disaster Management	100
44.		Sanskrit for Technical Knowledge	100
45.		Value Education	100
46.		Introduction to IoT	100
47.	Digital System Design	Structural Digital System Design	0
48.	Digital IC Design	Digital IC Design	100
49.	VLSI Technology	VLSI Technology	0
50.		Wireless Sensor Networks	0
51.		Internet of Things Lab	100

52.	Microcontrollers & Interfacing Lab	Microcontrollers & Interfacing Lab	100
53.	Real Time Operating Systems	Real Time Operating Systems	0
54.	Testing & Testability	Testing & Testability	100
55.	Hardware Software Co-Design	Hardware Software Co-Design	10
56.		Mini Project	0
57.		Constitution of India	0
58.		Pedagogy Studies	100
59.		Stress Management by Yoga	100
60.		Personality Development Through Life Enlightenment Skills.	100
61.		Advanced Digital Signal Processing	100
62.		System on Chip Architecture	100
63.		Business Analytics	100
64.		Industrial Safety	0
65.		Advanced Operations Research	100
66.		Cost Management of Engineering Projects	100
67.		Composite Materials	100
68.		Waste to Energy	100
69.	FPGA Architecture and Applications	FPGA Architectures & Applications	100
70.	Radio Frequency Identification	Radio Frequency Identification	100
71.	Micro Electromechanical Systems	Micro Electromechanical Systems	100
72.		Dissertation-I	0
73.	Project work	Dissertation –II	30
74.	VLSI Technology	VLSI Technology	0
75.	Analog IC Design	Analog IC Design	0
76.	Digital IC Design	Digital IC Design	0
77.	Verilog HDL	Verilog HDL	0
78.	Embedded system Concepts	Embedded System Design	0
79.	System Modeling & Simulation	System Modeling & Simulation	0



80.	ASIC Design	ASIC Design	0
81.		Image & Video Processing	100
82.		Digital Electronic Circuits Lab (Virtual Lab)	100
83.		Research Methodology and IPR	100
84.	Digital IC Design Lab	Digital IC Design Lab	0
85.		English for Research Paper Writing	100
86.		Disaster Management	100
87.		Sanskrit for Technical Knowledge	100
88.		Value Education	100
89.	FPGA Architectures & Applications	FPGA Architectures & Applications	0
90.	Testing & Testability	Testing & Testability	0
91.	Low Power VLSI Design	Low Power VLSI Design	0
92.	Algorithms for VLSI Design Automation	Algorithms for VLSI Design Automation	0
93.		Advanced Digital System Design	100
94.		Solid State Device Modeling and Simulation	100
95.		Digital VLSI Design Lab (Virtual Lab)	100
96.		Mini Project	100
97.		Constitution of India	100
98.		Pedagogy Studies	100
99.		Personality Development Through Life Enlightenment Skills.	100
100.		Stress Management by Yoga	100
101.	Scripting Language for VLSI Design Automation	Scripting Language for VLSI Design Automation	96
102.	Nano Electronics	Nano Electronics	0
103.	Real Time Operating Systems	Real Time Operating System	,
104.	Mixed Signal Lab	Real Time Operating System	0
105.		Scripting Language for VLSI Design Automation	100
106.		Nano Materials and Nanotechnology	100

107.		Wireless Sensor Networks	100
108.		Business Analytics	100
109.		Industrial Safety	100
110.		Advanced Operations Research	100
111.		Cost Management of Engineering Projects	100
112.		Composite Materials	100
113.		Waste to Energy	100

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ECE M.Tech I& II Year	113	71.75

#### B. Course Relevance

The courses that come under the category of Employability, Skill or Entrepreneurship Development are shown in the table below.

#### I & II B.Tech

S.No	Course Title	Course Code	Relevance
1.	English Lab	18HS0811	Skill Development
2.	Basic Electrical Engineering	18EE0239	Employability
3.	Programming For Problem Solving	18CS0501	Skill Development
4.	Programming For Problem Solving Lab	18CS0503	Employability
5.	Electronic Devices	18EC0401	Employability
6.	Digital System Design	18EC0402	Employability
7.	Signals & Systems	18EC0403	Employability
8.	Network Theory	18EE0242	Employability
9.	Electronic Devices Lab	18EC0404	Employability
10.	Digital System Design Lab	18EC0405	Employability
11.	Signals and Systems Simulation Lab	18EC0406	Employability
12.	Analog Circuits	18EC0407	Employability
13.	Analog Communications	18EC0408	Employability

14.	Managerial Economics and Financial Analysis	18HS0812	Entrepreneurship
15.	Analog Circuits Lab	18EC0410	Employability
16.	Analog Communications Lab	18EC0411	Employability

### I & II M.Tech

S.No	Course Title	Course Code	Relevance
1.	Advanced Digital Signal Processing	18EC4002	Employability
2.	Radio Frequency Identification	18EC4116	Employability
3.	System on Chip Architecture	18EC4117	Employability
4.	Business Analytics	18HS0824	Entrepreneurship
5.	Industrial Safety	18ME3121	Employability
6.	Advanced Operations Research	18ME3122	Employability
7.	Cost Management of Engineering Projects	18CE1028	Skill Development
8.	Composite Materials	18ME3123	Skill Development
9.	Waste to Energy	18EE2128	Skill Development
10.	Dissertation-I	18EC4118	Skill Development
11.	Dissertation -II	18EC4119	Skill Development
12.	Embedded System Design	18EC4101	Employability
13.	Sensors and Actuators	18EC4102	Employability
14.	Structural Digital System Design	18EC4103	Employability
15.	FPGA Architectures & Applications	18EC4209	Employability
16.	Real Time Operating Systems	18EC4104	Employability
17.	Embedded Networking	18EC4105	Employability
18.	Wireless Communications	18EC4011	Employability
19.	Internet Protocols	18EC4106	Employability
20.	Embedded System Design Lab	18EC4107	Skill Development
21.	Structural Digital System Design Lab	18EC4108	Skill Development
22.	Research Methodology and IPR	18HS0823	Skill Development
23.	English for Research Paper Writing	18HS0818	Skill Development
24.	Disaster Management	18CE1029	Skill Development
25.	Sanskrit for Technical Knowledge	18HS0825	Skill Development
26.	Value Education	18HS0826	Skill Development

27.	Introduction to IoT	18EC4109	Employability
28.	Advanced Microcontrollers	18EC4110	Employability
29.	Hardware Software Co-Design	18EC4111	Employability
30.	Testing & Testability	18EC4213	Employability
31.	Micro Electromechanical Systems	18EC4112	Employability
32.	VLSI Technology	18EC4201	Employability
33.	Digital IC Design	18EC4202	Employability
34.	Wireless Sensor Networks	18EC4008	Employability
35.	Internet of Things Lab	18EC4113	Skill Development
36.	Microcontrollers & Interfacing Lab	18EC4114	Skill Development
37.	Mini Project	18EC4115	Skill Development
38.	Constitution of India	18HS0829	Skill Development
39.	Pedagogy Studies	18HS0827	Skill Development
40.	Stress Management by Yoga	18HS0828	Skill Development
41.	Personality Development Through Life Enlightenment Skills	18HS0819	Skill Development
42.	Optical Networks	18EC4021	Employability
43.	Testing & Testability	18EC4213	Employability
44.	RF and Microwave Circuit Design	18EC4022	Employability
45.	Business Analytics	18HS0824	Entrepreneurship
46.	Industrial Safety	18ME3121	Employability
47.	Advanced Operations Research	18ME3122	Employability
48.	Cost Management of Engineering Projects	18CE1028	Employability
49.	Composite Materials	18ME3123	Skill Development
50.	Waste to Energy	18EE2128	Skill Development
51.	Dissertation-I	18EC4023	Skill Development
52.	Dissertation -II	18EC4024	Skill Development
53.	Advanced Digital System Design	18EC4001	Employability
54.	Advanced Digital Signal Processing	18EC4002	Employability
55.	Antenna and Radiating Systems	18EC4003	Employability
56.	Digital Communication Techniques	18EC4004	Employability
57.	DSP Processors & Architectures	18EC4005	Employability
58.	High Speed Networks	18EC4006	Employability

59.	Voice and Data Networks	18EC4007	Employability
60.	Wireless Sensor Networks	18EC4008	Employability
61.	Advanced Digital Signal Processing Lab(Virtual Lab)	18EC4009	Skill Development
62.	Advanced Digital System Design Lab	18EC4010	Skill Development
63.	Research Methodology and IPR	18HS0823	Skill Development
64.	English for Research Paper Writing	18HS0818	Skill Development
65.	Disaster Management	18CE1029	Skill Development
66.	Sanskrit for Technical Knowledge	18HS0825	Skill Development
67.	Value Education	18HS0826	Skill Development
68.	Wireless Communications	18EC4011	Employability
69.	Coding Theory & Techniques	18EC4012	Employability
70.	Introduction to IoT	18EC4109	Employability
71.	Adaptive Signal Processing	18EC4013	Employability
72.	Cognitive Radio	18EC4014	Employability
73.	Image & Video Processing	18EC4015	Employability
74.	Pattern Recognition and Machine learning	18EC4016	Employability
75.	Detection & Estimation of Signals	18EC4017	Employability
76.	Advanced Communications Lab (Virtual Lab)	18EC4018	Skill Development
77.	Image & Video Processing Lab	18EC4019	Skill Development
78.	Mini Project	18EC4020	Skill Development
79.	Constitution of India	18HS0829	Skill Development
80.	Pedagogy Studies	18HS0827	Skill Development
81.	Stress Management by Yoga	18HS0828	Skill Development
82.	Personality Development Through Life Enlightenment Skills	18HS0819	Skill Development
83.	Scripting Language for VLSI Design Automation	18EC4218	Employability
84.	Nano Materials and Nanotechnology	18EC4219	Employability
85.	Wireless Sensor Networks	18EC4008	Employability
86.	Business Analytics	18HS0824	Entrepreneurship
87.	Industrial Safety	18ME3121	Employability

88.	Advanced Operations Research	18ME3122	Employability
89.	Cost Management of Engineering Projects	18CE1028	Employability
90.	Composite Materials	18ME3123	Skill Development
91.	Waste to Energy	18EE2128	Skill Development
92.	Dissertation Phase I	18EC4220	Employability
93.	Dissertation Phase II	18EC4221	Employability
94.	VLSI Technology	18EC4201	Employability
95.	Digital IC Design	18EC4202	Employability
96.	ASIC Design	18EC4203	Employability
97.	System Modeling & Simulation	18EC4204	Employability
98.	Embedded System Design	18EC4101	Employability
99.	Verilog HDL	18EC4205	Employability
100.	Analog IC Design	18EC4206	Employability
101.	Image & Video Processing	18EC4015	Employability
102.	Digital Electronic Circuits Lab (Virtual Lab)	18EC4207	Skill Development
103.	Digital IC Design Lab	18EC4208	Skill Development
104.	Research Methodology and IPR	18HS0823	Skill Development
105.	English for Research Paper Writing	18HS0818	Skill Development
106.	Disaster Management	18CE1029	Skill Development
107.	Sanskrit for Technical Knowledge	18HS0825	Skill Development
108.	Value Education	18HS0826	Skill Development
109.	FPGA Architectures & Applications	18EC4209	Employability
110.	Low Power VLSI Design	18EC4210	Employability
111.	Nano Electronics	18EC4211	Employability
112.	Algorithms for VLSI Design Automation	18EC4212	Employability
113.	Advanced Digital System Design	18EC4001	Employability
114.	Testing & Testability	18EC4213	Employability
115.	Real Time Operating System	18EC4104	Employability
116.	Solid State Device Modeling and Simulation	18EC4214	Employability
117.	Mixed Signal Lab	18EC4215	Employability
118.	Digital VLSI Design Lab (Virtual Lab)	18EC4216	Employability
119.	Mini Project	18EC4217	Employability
120.	Constitution of India	18HS0829	Skill Development

121.	Pedagogy Studies	18HS0827	Skill Development
122.	Stress Management by Yoga	18HS0828	Skill Development
123.	Personality Development Through Life Enlightenment Skills	18HS0819	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for PG in ECE w.e.f., A.Y.2018-19

**Resolution: 3**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the PG (given in **Annexure-III**)

**Agenda: 4**

Approval of syllabus for the subjects offered to various branches w.e.f. 2018-19

**Resolution: 4**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the subjects offered to various branches (given in **Annexure-IV**).

**Agenda: 5**

Approval of Panel of Question Paper setters

**Resolution: 5**

Approved the panel of question paper setting (given in **Annexure –V**) to be submitted to the college academic council for approval.

**Agenda: 6**

Approval of Panel of Examiners

**Resolution: 6**

Approved the panel of examiners prepared for valuation (given in **Annexure –VI**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.

**Agenda: 7**

Procedures of Evaluation.

**Resolution: 7**

The internal examination answer sheets are evaluated firmly according to the scheme of evaluation. Unit tests and assignments should help us to analyze the understanding of concepts by the students.

**Agenda: 8**

Academic facilities improvement






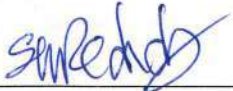


**Resolution: 8**

Looking at the facilities in the department committee suggested to improve the facilities to implement ICT in the classrooms and also add additional lab facilities that will helpful to the students to perform additional experiments.



### 3<sup>rd</sup> BOS Meeting on 18/06/2018

#### Members Present

S.No.	Member Name	Academic/ Industry Position	Role in the BOS	Signature
1.	Dr. M.Janardhana Raju	Professor& HOD-SIETK	Chairman	
2.	Dr.P.Rathnakamala	Professor-SIETK (Wireless Communication)	Member	
3.	Mr. V.Viswanadha	Associate Professor-SIETK (DECS)	Member	
4.	Mr. C. Vijaya Bhaskar	Associate Professor-SIETK (VLSI )	Member	
5.	Mrs.J.Jhansi	Associate Professor-SIETK (Embedded Systems)	Member	
6.	Dr. S. Narayana Reddy	Professor, S.V. University, Tirupati	Member	
7.	Dr. Rama Komaragiri	Associate Professor, NIT Calicut	Member	- Absent -
8.	Dr.P.Ramana Reddy	Professor JNTUA, Ananthapuramu	Member	 18/06/18
9.	Mr. Narendra Reddy	Scientist-C, CMTI, Bangalore	Member	
10.	Mr. B.Venkatadri	Software Developer HCL Technologies	Member	- Absent -

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**4<sup>th</sup>BoS Meeting of Electronics and Communication Engineering (ECE)**

Date: 14/08/2019

The 4<sup>th</sup> meeting of Board of Studies (BoS) in Electronics and Communication Engineering is held on 14<sup>th</sup> August, 2019 (Wednesday) at 2.00PM in the Department of Electronics and Communication Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor -Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. P.Ratna Kamala, Chairman - BoS chaired the meeting and welcomed all the members to the fourth BoS meeting and discussed the following agenda:

1. Approval of course structure for I year UG and PG in ECE w.e.f., 2019-2020.
2. Approval of syllabi for I year UG and PG in ECE w.e.f., 2019-2020.
3. Approval of Panel of Question Paper setters.
4. Approval of Panel of Examiners.
5. Any other item with the permission of Chair.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for I year UG and PG in ECE w.e.f.,2019-2020.

**Resolution: 1**

After detailed discussion, the BOS resolved to approve the course structure for PG and I year UG(given in **Annexure –I**) applicable from the A.Y.2019-2020.

**Agenda: 2**

Approval of syllabus for I year UG and PG in ECE w.e.f., 2019-2020.

**Resolution: 2**

After thorough discussion, syllabus was framed to make the students acquire with the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I Year B.Tech I & II Semesters and PG (given in **Annexure-II**).

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for 1<sup>st</sup> year has the following modifications, which are given in the below table.

**I B.Tech**

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
1.	Mathematics-I	Algebra and Calculus	60
2.	Chemistry	Applied Chemistry	40
3.	Engineering Graphics	Engineering Graphics& Design	20
4.	Chemistry lab	Applied Chemistry lab	0
5.	Workshop Practice Lab	Workshop Practice Lab	0
6.		Python Programming Lab	100

7.		Communicative English	100
8.	Mathematics-II	Differential Equations and Vector Calculus	60
9.	Semiconductor Physics	Semiconductor Physics	0
10.	Basic Electrical Engineering	Basic Electrical Engineering	0
11.		Switching Theory and Logic Design	100
12.		Communicative English Lab	100
13.		Semiconductor Physics Lab	100
14.		Essence of Indian Traditional Knowledge	100
15.	Python Programming	Python Programming	0

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ECE B.Tech I Year	15	52

#### I M.Tech

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
1.	VLSI Technology	VLSI Technology	0
2.	Digital IC Design	Digital IC Design	0
3.	ASIC Design	ASIC Design	0
4.	System Modeling & Simulation	System Modeling & Simulation	0
5.	Embedded System Design	Embedded System Design	0
6.	Verilog HDL	Verilog HDL	0
7.	Analog IC Design	Analog IC Design	0
8.	Image & Video Processing	Image & Video Processing	0

9.	Digital Electronic Circuits Lab (Virtual Lab)	Digital Electronic Circuits Lab (Virtual Lab)	0
10.	Digital IC Design Lab	Digital IC Design Lab	0
11.	Research Methodology and IPR	Research Methodology and IPR	0
12.	English for Research Paper Writing	English for Research Paper Writing	0
13.	FPGA Architectures & Applications	FPGA Architectures & Applications	0
14.	Low Power VLSI Design	Low Power VLSI Design	0
15.	Nano Electronics	Nano Electronics	0
16.	Algorithms for VLSI Design Automation	Algorithms for VLSI Design Automation	0
17.	Advanced Digital System Design	Advanced Digital System Design	0
18.	Testing & Testability	Testing & Testability	0
19.	Real Time Operating System	Real Time Operating System	0
20.	Solid State Device Modeling and Simulation	Solid State Device Modeling and Simulation	0
21.	Mixed Signal Lab	Mixed Signal Lab	0
22.	Digital VLSI Design Lab (Virtual Lab)	Digital VLSI Design Lab (Virtual Lab)	0
23.	Mini Project	Mini Project	0
24.	Constitution of India	Constitution of India	0
25.	Advanced Digital System Design	Advanced Digital System Design	0
26.	Advanced Digital Signal Processing	Advanced Digital Signal Processing	0
27.	Antenna and Radiating Systems	Antenna and Radiating Systems	0
28.	Digital Communication Techniques	Digital Communication Techniques	100
29.	DSP Processors & Architectures	DSP Processors & Architectures	0
30.	High Speed Networks	High Speed Networks	100
31.	Voice and Data Networks	Voice and Data Networks	100
32.	Wireless Sensor Networks	Wireless Sensor Networks	100
33.	Advanced Digital Signal Processing Lab(Virtual Lab)	Advanced Digital Signal Processing Lab(Virtual Lab)	20
34.	Advanced Digital System Design Lab	Advanced Digital System Design Lab	0
35.	Research Methodology and IPR	Research Methodology and IPR	0

36.	English for Research Paper Writing	English for Research Paper Writing	0
37.	Wireless Communications	Disaster Management	100
38.	Coding Theory & Techniques	Sanskrit for Technical Knowledge	100
39.	Introduction to IoT	Value Education	100
40.	Adaptive Signal Processing	Wireless Communications	0
41.	Cognitive Radio	Coding Theory & Techniques	0
42.	Image & Video Processing	Introduction to IoT	0
43.	Pattern Recognition and Machine learning	Adaptive Signal Processing	0
44.	Detection & Estimation of Signals	Cognitive Radio	0
45.	Advanced Communications Lab (Virtual Lab)	Image & Video Processing	0
46.	Image & Video Processing Lab	Pattern Recognition and Machine learning	0
47.	Mini Project	Detection & Estimation of Signals	0
48.	Constitution of India	Advanced Communications Lab	0
49.	Wireless Communications	Image & Video Processing Lab	0
50.		Mini Project	0
51.		Constitution of India	100
52.		Pedagogy Studies	100
53.		Stress Management by Yoga	100
54.		Personality Development through Life Enlightenment Skills.	100
55.	Embedded System Design	Embedded System Design	0
56.	Sensors and Actuators	Sensors and Actuators	0
57.	Structural Digital System Design	Structural Digital System Design	0
58.	FPGA Architectures & Applications	FPGA Architectures & Applications	0
59.	Real Time Operating Systems	Real Time Operating Systems	0
60.	Embedded Networking	Embedded Networking	0
61.	Wireless Communications	Wireless Communications	0
62.	Internet Protocols	Internet Protocols	0
63.	Embedded System Design Lab	Embedded System Design Lab	0

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## ELECTRONICS AND COMMUNICATION ENGINEERING

64.	Structural Digital System Design Lab	Structural Digital System Design Lab	0
65.	Research Methodology and IPR	Research Methodology and IPR	0
66.	English for Research Paper Writing	English for Research Paper Writing	0
67.		Research Methodology and IPR	0
68.	Introduction to IoT	Introduction to IoT	100
69.	Advanced Microcontrollers	Advanced Microcontrollers	0
70.	Hardware Software Co-Design	Hardware Software Co-Design	0
71.	Testing & Testability	Testing & Testability	0
72.	Micro Electromechanical Systems	Micro Electromechanical Systems	0
73.	VLSI Technology	VLSI Technology	10
74.	Digital IC Design	Digital IC Design	0
75.	Wireless Sensor Networks	Wireless Sensor Networks	0
76.	Internet of Things Lab	Internet of Things Lab	0
77.	Microcontrollers & Interfacing Lab	Microcontrollers & Interfacing Lab	0
78.	Mini Project	Mini Project	0
79.	Constitution of India	Constitution of India	0
80.		Digital IC Design	80
			100

## Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ECEM.TechI Year	80	17.62

**B. Course Relevance**

The courses that come under the category of Employability, Skill or Entrepreneurship Development are shown in the table below.

**I B.Tech**

S.No	Course Title	Course Code	Relevance
1.	Switching Theory and Logic Design	19EC0401	Employability
2.	Python Programming	19CS0501	Skill Development
3.	Python Programming Lab	19CS0502	Skill Development
4.	Communicative English	19HS0810	Skill Development
5.	Communicative English Lab	19HS0811	Skill Development

**I M.Tech**

S.No	Course Title	Course Code	Relevance
1.	Research Methodology and IPR	19HS0823	Skill Development
2.	VLSI Technology	19EC4201	Employability
3.	Digital IC Design	19EC4202	Employability
4.	ASIC Design	19EC4203	Employability
5.	System Modeling & Simulation	19EC4204	Employability
6.	Embedded System Design	19EC4101	Employability
7.	Verilog HDL	19EC4205	Employability
8.	Analog IC Design	19EC4206	Employability
9.	Image & Video Processing	19EC4015	Employability
10.	Digital Electronic Circuits Lab (Virtual Lab)	19EC4207	Skill Development
11.	Digital IC Design Lab	19EC4208	Skill Development



12.	English for Research Paper Writing	19HS0818	Skill Development
13.	FPGA Architectures & Applications	19EC4209	Employability
14.	Low Power VLSI Design	19EC4210	Employability
15.	Nano Electronics	19EC4211	Employability
16.	Algorithms for VLSI Design Automation	19EC4212	Employability
17.	Advanced Digital System Design	19EC4001	Employability
18.	Testing & Testability	19EC4213	Employability
19.	Real Time Operating System	19EC4104	Employability
20.	Solid State Device Modeling and Simulation	19EC4214	Employability
21.	Mixed Signal Lab	19EC4215	Skill Development
22.	Digital VLSI Design Lab (Virtual Lab)	19EC4216	Skill Development
23.	Constitution of India	19HS0829	Skill Development
24.	Research Methodology and IPR	19HS0823	Skill Development
25.	Advanced Digital System Design	19EC4001	Employability
26.	Advanced Digital Signal Processing	19EC4002	Employability
27.	Antenna and Radiating Systems	19EC4103	Employability
28.	Digital Communication Techniques	19EC4004	Employability
29.	DSP Processors & Architectures	19EC4005	Employability
30.	High Speed Networks	19EC4006	Employability
31.	Voice and Data Networks	19EC4007	Employability
32.	Wireless Sensor Networks	19EC4008	Employability
33.	Advanced Digital Signal Processing Lab(Virtual Lab)	19EC4009	Skill Development
34.	Advanced Digital System Design Lab	19EC4010	Skill Development

35.	English for Research Paper Writing	19HS0818	Skill Development
36.	Wireless Communications	19EC4011	Skill Development
37.	Coding Theory & Techniques	19EC4012	Employability
38.	Introduction to IoT	19EC4109	Skill Development
39.	Adaptive Signal Processing	19EC4013	Employability
40.	Cognitive Radio	19EC4014	Employability
41.	Image & Video Processing	19EC4015	Employability
42.	Pattern Recognition and Machine learning	19EC4016	Employability
43.	Detection & Estimation of Signals	19EC4017	Employability
44.	Advanced Communications Lab	19EC4018	Skill Development
45.	Image & Video Processing Lab	19EC4019	Skill Development
46.	Mini Project	19EC4020	Skill Development
47.	Constitution of India	19HS0829	Skill Development
48.	Research Methodology and IPR	19HS0823	Skill Development
49.	Embedded System Design	19EC4101	Employability
50.	Sensors and Actuators	19EC4102	Employability
51.	Structural Digital System Design	19EC4103	Employability
52.	FPGA Architectures & Applications	19EC4209	Employability
53.	Real Time Operating Systems	19EC4104	Employability
54.	Embedded Networking	19EC4105	Employability
55.	Wireless Communications	19EC4011	Employability
56.	Internet Protocols	19EC4106	Employability
57.	Embedded System Design Lab	19EC4107	Skill Development
58.	Structural Digital System Design Lab	19EC4108	Skill Development

59.	English for Research Paper Writing	19HS0818	Skill Development
60.	Introduction to IoT	19EC4109	Skill Development
61.	Advanced Microcontrollers	19EC4110	Employability
62.	Hardware Software Co-Design	19EC4111	Employability
63.	Testing & Testability	19EC4213	Employability
64.	Micro Electromechanical Systems	19EC4112	Skill Development
65.	VLSI Technology	19EC4201	Employability
66.	Digital IC Design	19EC4202	Employability
67.	Wireless Sensor Networks	19EC4008	Employability
68.	Internet of Things Lab	19EC4113	Skill Development
69.	Microcontrollers & Interfacing Lab	19EC4114	Skill Development
70.	Mini Project	19EC4115	Employability
71.	Constitution of India	19HS0829	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stake holders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of Panel of question paper setters

**Resolution: 3**

Approved the panel of question paper setting (given in **Annexure –IV**) to be submitted to the college Academic council for approval.

**Agenda: 4**


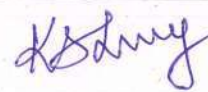





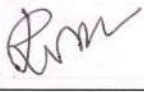
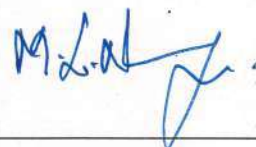

Approval of Panel of examiners

**Resolution:4**

Approved the panel of examiners prepared for valuation (given in **Annexure -V**) to be submitted to the college Academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by the Chairman-BOS.

## Members Present

S. No.	Member Name	Designation/Organisation	Role of BOS	Signature
1.	Dr. P. Ratna Kamala	Professor & HOD	Chairman	
2.	Dr. P.G.Kuppaswamy	Professor (Signal Processing)	Member	
3.	N. Vamsi Praveen	Associate Professor (VLSI System Design)	Member	
4.	J. Rajanikanth	Associate Professor (DECS)	Member	
5.	S. Sundara Babu	Associate Professor (Embedded Systems)	Member	
6.	Dr T. Ramashri	Professor Sri Venkateswara University College of Engineering, Tirupati	Member	
7.	Dr. K.P. Naveen	Assistant Professor, IIT Tirupathi	Member	
8.	Dr R.V.S. Satyanarayana	Professor, S.V. University, Tirupati	Member	
9.	Mr. M. Lakshmi Narayana	Junior Telecom Officer, BSNL OFC Transmission maintenance STR Wing, Kolar Karnataka	Member	
10.	Mr V. Prasanth	Software Developer Dxc Technologies Chennai.	Member	

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**6<sup>th</sup>BoS Meeting of Electronics and Communication Engineering (ECE)**

Date: 19/01/2021

The 6<sup>th</sup> meeting of Board of Studies (BoS) in Electronics and Communication Engineering is held on 19<sup>th</sup> January, 2021 (Tuesday) at 10.30 AM online through ZOOM.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. P. Ratna Kamala, Chairman - BoS chaired the meeting and welcomed all the members to the sixth BoS meeting and discussed the following agenda:

1. Approval of course structure and syllabi for I year B.Tech. under R20 Regulation.
2. Approval of panel of examiners and Question paper setters for I B.Tech. that comes under R20 Regulation.
3. Any other item with the permission of Chair.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure and syllabi for I year B.Tech. under R20 Regulation in ECE w.e.f., 2020-2021.

**Resolution: 1**

After detailed discussion, the BOS resolved to approve the course structure and syllabi for I year B.Tech. under R20 Regulation (given in **Annexure –I& II respectively**) applicable for the A.Y.2020-2021.

**A. Course & Syllabus Comparison**

With reference to the R19 regulations, the new regulation (R20) syllabus for I<sup>st</sup> year has the following modifications, which are given in the below table.

**I B.Tech**

S.No	R19 Regulation	R20 Regulation	Percentage of course content changed
1.	Applied Chemistry	Applied Chemistry	20
2.	Algebra and Calculus	Algebra and Calculus	30
3.	Engineering Graphics	Engineering Graphics	0
4.	Applied Chemistry lab	Applied Chemistry Lab	10
5.	Workshop Practice Lab	Workshop Practice Lab	0
6.	Communicative English	Communicative English	0
7.	Differential Equations and Vector Calculus	Differential Equations and Complex Analysis	40
8.	Semiconductor Physics	Applied Physics	20
9.	Basic Electrical Engineering	Electrical Technology	0
10.	Communicative English Lab	Communicative English Lab	0
11.	Semiconductor Physics Lab	Applied Physics Lab	0
12.		Principles of Electrical Circuits	100
13.		C Programming and Data Structures	100

14.		Fundamentals of Digital Computing Systems	100
15.		C Programming and Data Structures Lab	100
16.		Electrical Technology Lab	100
17.		Indian Constitution	100

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ECE B.Tech IYear	17	42.35

#### B. Course Relevance

The courses that come under the category of Employability, Skill or Entrepreneurship Development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1.	Communicative English	20HS0810	Skill Development
2.	C Programming and Data Structures Lab	20CS0502	Skill Development
3.	Communicative English Lab	20HS0811	Skill Development
4.	C Programming and Data Structures	20CS0501	Skill Development
5.	Fundamentals of Digital Computing Systems	20EC0401	Employability
6.	Electrical Technology	20EE0254	Employability
7.	Fundamentals of Electrical Circuits	20EE0253	Employability
8.	Electrical Technology Lab	20EE0255	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

#### Agenda:2

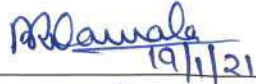

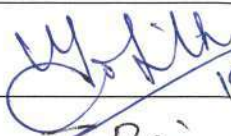
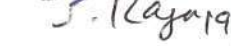






Approval of Panel of examiners and Question paper setters for various regulations under UG.

#### Resolution:2

Approved the panel of examiners prepared for valuation and panel of question paper setters (given in **Annexure-IV and V** respectively) to be submitted to the college Academic council for approval.



## Members Present

S. No.	Member Name	Designation/Organisation	Role of BOS	Signature
1.	Dr. P. Ratna Kamala	Professor & HOD	Chairman	 19/11/21
2.	Dr. P.G.Kuppaswamy	Professor (Signal Processing)	Member	 19/10/2021
3.	Dr.P.G.Gopinath	Professor (VLSI)	Member	 19/10/2021
4.	J. Rajanikanth	Associate Professor (DECS)	Member	 19/11/2021
5.	P.Pavan Kumar	Assistant Professor (Embedded Systems)	Member	 19/11/2021
6.	Dr T. Ramashri	Professor Sri Venkateswara University College of Engineering,	Member	 19/11/2021
7.	Dr. K.P. Naveen	Assistant Professor, IIT Tirupathi	Member	
8.	Dr R.V.S. Satyanarayana	Professor, Sri Venkateswara University College of Engineering,	Member	
9.	Mr. M. Lakshmi Narayana	Junior Telecom Officer, BSNL OFC Transmission maintenance	Member	
10.	Mr V. Prasanth	Software Developer DXC Technologies Chennai.	Member	 19/11/21

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**5<sup>th</sup>BoS Meeting of Electronics and Communication Engineering (ECE)**

Date: 28/08/2020

The 5<sup>th</sup> meeting of Board of Studies (BoS) in Electronics and Communication Engineering is held on 28<sup>th</sup> August, 2020 (Friday) at 10.00AM online through ZOOM.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. P. Ratna Kamala, Chairman - BoS chaired the meeting and welcomed all the members to the fifth BoS meeting and discussed the following agenda:

1. Approval of course structure and syllabi for II year B.Tech. under R19 Regulation.
2. Approval of course structure and syllabi for III year B.Tech. under R18 Regulation.
3. Approval of course structure and syllabi for I & II years M.Tech. under R20 Regulation and II year M. Tech under R19 regulation.
4. Approval of examiners and paper setters for II and III B.Tech. that comes under R20, R19 & R18 respectively.
5. Approval of panel of examiners and paper setters for I & II M.Tech. that comes under R20 regulation and II M.Tech. under R19 regulation.
6. Any other item with the permission of Chair.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure and syllabi for I year B.Tech. under R20 Regulation in ECE w.e.f., 2020-2021.

**Resolution: 1**

After detailed discussion, the BOS resolved to approve the course structure and syllabi for I year B.Tech. under R20 Regulation (given in **Annexure –I and II** respectively) applicable from the A.Y.2020-2021.

**Agenda: 2**

Approval of course structure and syllabi for II year B.Tech. under R19 Regulation in ECE w.e.f., 2020-2021.

**Resolution: 2**

After detailed discussion, the BOS resolved to approve the course structure for II year B.Tech. under R19 Regulation (given in **Annexure –I and II** respectively) with minor suggestions applicable from the A.Y.2020-2021.

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for 3<sup>rd</sup> year has the following modifications, which are given in the below table.

**III B.Tech**

S.No	R16 Regulation	R18 Regulation	Percentage of course content changed
1.	Analog Communications	Analog Communications	0
2.	Electronic Measurements and Instrumentation	Electronic Measurements and Instrumentation	0
3.	Linear IC Applications		0

4.	Antennas & Wave Propagation	Antennas and Wave Propagation	0
5.	Linear Control Systems	Control Systems	0
6.	Managerial Economics & Financial Analysis	Managerial Economics and Financial Analysis	0
7.		Biology for Engineers	0
8.	Analog Communications Lab	Analog Communications Lab	0
9.	Linear IC Applications Lab		0
10.		Environmental Sciences	0
11.	Comprehensive Online Examination-III		0
12.	Aptitude Practice-I		0
13.	Digital Communications	Digital Communications	0
14.	Digital Signal Processing	Digital Signal Processing	100
15.	Microprocessors & Microcontrollers	Microprocessors and Microcontrollers	60
16.	Digital IC Applications		0
17.		Data Communication and Networking	100
18.	Microwave Engineering	Microwave Theory and Techniques	45
19.		Scientific Computing	100
20.		Industrial Instrumentation	100
21.		Python Programming	100
22.		Information Theory and Coding	100

23.	Advanced English Language and Communication Skills Lab	English for Corporate Communication Skills Lab	0
24.	Digital Communications Lab	Digital Communications Lab	0
25.	Digital IC Applications Lab	Antennas and Wave Propagation Lab (Virtual Lab)	0
26.		Microcontroller and Applications Lab	100
27.		Digital Signal Processing Lab	100
28.		Electronic Measurements Lab	100
29.		Internship (60 Hours)	100

With reference to the R18 regulations, the new regulation (R19) syllabus for 2<sup>nd</sup> year has the following modifications which are given in the below table.

### II B.Tech

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
1.	Mathematics-III	Numerical Methods and Transforms	20
2.	Electronic Devices	Electronic Devices and Circuits	40
3.	Digital System Design		0
4.	Signals & Systems	Signals, Systems and Random Processes	35
5.	Network Theory	Network Theory	0
6.		Water Technology	100

7.		Generation of Energy through Waste	100
8.		Fundamentals of Mechanical Engineering	100
9.		Linux Programming	100
10.	Electronic Devices Lab	Electronic Devices and Circuits Lab	0
11.	Digital System Design Lab	Switching Theory and Logic Design Lab	15
12.	Signals and Systems Simulation Lab	Basic Simulation Lab	0
13.	Indian Constitution	Indian Constitution	0
14.		Linear & Digital IC Applications	100
15.	Analog Circuits	Electronic Circuit Analysis	0
16.	Analog Communications	Analog Communications	80
17.		Fundamentals of Urban Planning	0
18.		Mechanical Measurements & Control Systems	0
19.		Java Programming	0
20.	Probability Theory and Stochastic Processes		0
21.	Managerial Economics and Financial Analysis	Managerial Economics and Financial Analysis	0
22.		Electronic Circuit Analysis Lab	100
23.	Analog Circuits Lab		0
24.	Analog Communications Lab	Analog Communications Lab	0
25.		Linear & Digital IC Applications Lab	100
26.	Environmental Sciences	Environmental Science	0

**Consolidated Sheet**

<b>Course</b>	<b>Total courses</b>	<b>Percentage of syllabus changed</b>
<b>ECE B.Tech II&amp; III Year</b>	<b>55</b>	<b>36.27</b>

With reference to the R18 regulations, the new regulation (R19) syllabus for 2<sup>nd</sup> year has the following modifications which are given in the below table.

**II M.Tech**

<b>S.No</b>	<b>R18 Regulation</b>	<b>R19 Regulation</b>	<b>Percentage of course content changed</b>
1.	Scripting Language for VLSI Design Automation	Scripting Language for VLSI Design Automation	0
2.	Nano Materials and Nanotechnology	Nano Materials and Nanotechnology	0
3.	Wireless Sensor Networks	Wireless Sensor Networks	0
4.	Business Analytics	Business Analytics	100
5.	Industrial Safety	Industrial Safety	0
6.	Advanced Operations Research	Advances in Operations Research	100
7.	Cost Management of Engineering Projects	Cost Management of Engineering Projects	100
8.	Composite Materials	Composite Materials	100
9.	Waste to Energy	Waste to Energy	20
10.	Dissertation Phase I	Dissertation Phase- I	0
11.	Dissertation Phase II	Dissertation Phase- II	0
12.	Optical Networks	Optical Networks	0

13.	Testing & Testability	Testing & Testability	0
14.	RF and Microwave Circuit Design	RF and Microwave Circuit Design	100
15.	Business Analytics	Business Analytics	0
16.	Industrial Safety	Industrial Safety	100
17.	Advanced Operations Research	Advances in Operations Research	100
18.	Cost Management of Engineering Projects	Cost Management of Engineering Projects	100
19.	Composite Materials	Composite Materials	20
20.	Waste to Energy	Waste to Energy	0
21.	Dissertation Phase I	Dissertation Phase- I	0
22.	Dissertation Phase II	Dissertation Phase- II	0
23.	Pedagogy Studies		0
24.	Stress Management by Yoga		0
25.		Digital IC Design	100
26.		Disaster Management	100
27.		Sanskrit for Technical Knowledge	100
28.		Value Education	100
29.	Personality Development Through Life Enlightenment Skills.		0
30.	Advanced Digital Signal Processing	Advanced Digital Signal Processing	0
31.	Radio Frequency Identification	Radio Frequency Identification	0
32.	System on Chip Architecture	System on Chip Architecture	0
33.	Business Analytics	Business Analytics	100



34.	Industrial Safety	Industrial Safety	0
35.	Advanced Operations Research	Advances in Operations Research	100
36.	Cost Management of Engineering Projects	Cost Management of Engineering Projects	100
37.	Composite Materials	Composite Materials	100
38.	Waste to Energy	Waste to Energy	20
39.	Dissertation-I	Dissertation Phase-I	0
40.	Dissertation -II	Dissertation Phase -II	0

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
<b>ECE M.Tech II Year</b>	<b>40</b>	<b>41.05</b>

#### B. Course Relevance

The courses that come under the category of Employability, Skill or Entrepreneurship Development are shown in the table below.

#### II& III B.Tech

S.No	Course Title	Course Code	Relevance
1.	Analog Communications	18EC0408	Employability
2.	Electronic Measurements and Instrumentation	18EC0413	Employability
3.	Antennas and Wave Propagation	18EC0419	Employability
4.	Control Systems	18EE0211	Employability
5.	Managerial Economics and Financial Analysis	18HS0812	Employability
6.	Biology for Engineers	18HS0803	Employability

7.	Analog Communications Lab	18EC0411	Employability
8.	Environmental Sciences	18HS0804	Employability
9.	Digital Communications	18EC0415	Employability
10.	Digital Signal Processing	18EC0414	Employability
11.	Microprocessors and Microcontrollers	18EC0420	Employability
12.	Data Communication and Networking	18EC0451	Employability
13.	Microwave Theory and Techniques	18EC0428	Employability
14.	Scientific Computing	18EC0430	Employability
15.	Industrial Instrumentation	18EE0234	Employability
16.	Python Programming	18CS0517	Skill Development
17.	Information Theory and Coding	18EC0429	Employability
18.	English for Corporate Communication Skills Lab	18HS0859	Employability
19.	Digital Communications Lab	18EC0418	Employability
20.	Antennas and Wave Propagation Lab (Virtual Lab)	18EC0421	Employability
21.	Microcontroller and Applications Lab	18EC0422	Employability
22.	Digital Signal Processing Lab	18EC0417	Employability
23.	Electronic Measurements Lab	18EC0416	Employability
24.	Internship (60 Hours)	18EC0425	Employability
25.	Numerical Methods and Transforms	19HS0834	Employability
26.	Electronic Devices and Circuits	19EC0402	Employability
27.	Signals, Systems and Random Processes	19EC0403	Employability
28.	Network Theory	19EE0242	Employability
29.	Water Technology	19CE0136	Skill Development

30.	Generation of Energy through Waste	19EE0238	Skill Development
31.	Fundamentals of Mechanical Engineering	19ME0349	Skill Development
32.	Linux Programming	19CS0549	Skill Development
33.	Electronic Devices and Circuits Lab	19EC0405	Employability
34.	Switching Theory and Logic Design Lab	19EC0404	Employability
35.	Basic Simulation Lab	19EC0406	Employability
36.	Indian Constitution	19HS0816	Employability
37.	Linear & Digital IC Applications	19EC0409	Employability
38.	Electronic Circuit Analysis	19EC0407	Employability
39.	Analog Communications	19EC0408	Employability
40.	Fundamentals of Urban Planning	19CE0143	Employability
41.	Mechanical Measurements & Control Systems	19ME0350	Employability
42.	Java Programming	19CS0551	Skill Development
43.	Managerial Economics and Financial Analysis	19HS0812	Employability
44.	Electronic Circuit Analysis Lab	19EC0411	Employability
45.	Analog Communications Lab	19EC0413	Employability
46.	Linear & Digital IC Applications Lab	19HS0805	Employability

**II M.Tech**

1.	Scripting Language for VLSI Design Automation	19EC4218	Employability
2.	Nano Materials and Nanotechnology	19EC4219	Employability
3.	Wireless Sensor Networks	19EC4008	Employability
4.	Optical Networks	19EC4021	Employability
5.	Testing & Testability	19EC4213	Employability
6.	RF and Microwave Circuit Design	19EC4022	Employability
7.	Advanced Digital System Design	19EC4001	Employability
8.	Radio Frequency Identification	19EC4116	Employability
9.	System on Chip Architecture	19EC4117	Employability
10.	Business Analytics	19HS0824	Entrepreneurship
11.	Cost Management of Engineering Projects	19CE1028	Skill Development
12.	Waste to Energy	19EE2128	Skill Development
13.	Industrial Safety	19ME3121	Skill Development
14.	Advances in Operations Research	19ME3021	Skill Development
15.	Composite Materials	19ME3022	Skill Development
16.	Dissertation Phase-I	19EC4220	Skill Development
17.	Dissertation Phase- II	19EC4221	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of course structure and syllabi for III year B.Tech. under R18 Regulation in ECE w.e.f., 2020-2021.

**Resolution: 3**

After thorough discussion, course structure and syllabus was framed to make the students acquire required technical knowledge and skills. The BOS resolved to approve the course structure for III year B.Tech. under R18 Regulation (given in **Annexure –I and II** respectively) applicable from the A.Y.2020-21.

**Agenda: 4**

Approval of course structure and syllabi for I & II years M.Tech. under R20 Regulation and II year M. Tech under R19 regulation.

**Resolution:4**

The BOS resolved to approve the syllabi framed for I & II years M.Tech. under R20 Regulation and II year M. Tech under R19 regulation (given in **Annexure –I and II** respectively).

**Agenda: 5**

Approval of Panel of examiners and Question paper setters for various regulations under UG.

**Resolution:5**

Approved the panel of examiners prepared for valuation and panel of question paper setters (given in **Annexure–IV and V** respectively) to be submitted to the college Academic council for approval.

**Agenda: 6**

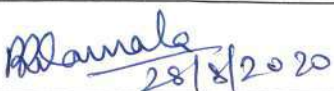

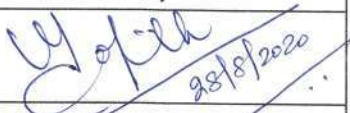



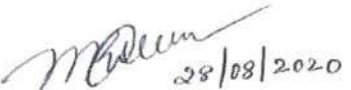


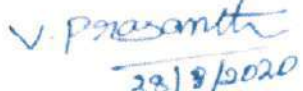
Approval of Panel of examiners and Question paper setters for various regulations under PG.

**Resolution:6**

Approved the panel of examiners prepared for valuation and panel of question paper setters (given in **Annexure–IV and V** respectively) to be submitted to the college Academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by the Chairman-BOS.

## Members Present

S. No.	Member Name	Designation/Organisation	Role of BOS	Signature
1.	Dr. P. Ratna Kamala	Professor & HOD	Chairman	 28/8/2020
2.	Dr. P.G.Kuppaswamy	Professor (Signal Processing)	Member	 28/08/2020
3.	Dr. P.G.Gopinath	Professor (VLSI)	Member	 28/8/2020
4.	J. Rajanikanth	Associate Professor (DECS)	Member	 28/8/20
5.	P.Pavan Kumar	Assistant Professor (Embedded Systems)	Member	 28/8/2020
6.	Dr T. Ramashri	Professor Sri Venkateswara University College of Engineering,	Member	 28/08/2020
7.	Dr. K.P. Naveen	Assistant Professor, IIT Tirupathi	Member	 28/08/2020
8.	Dr. R.V.S. Satyanarayana	Professor, Sri Venkateswara University College of Engineering,	Member	
9.	Mr. M. Lakshmi Narayana	Junior Telecom Officer, BSNL OFC Transmission maintenance	Member	 28/08/2020
10.	Mr V. Prasanth	Software Developer DXC Technologies Chennai.	Member	 28/8/2020

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**1<sup>st</sup> BoS Meeting of Computer Science and Engineering (CSE)**

Date: 08/07/2016

The 1<sup>st</sup> meeting of Board of Studies (BoS) in Computer Science and Engineering is held on 08<sup>th</sup> July 2016 at 01.30PM in the Department of Computer Science and Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Prof.P. Nirupama, Chairman - BoS chaired the meeting and welcomed all the members to the first BoS meeting and discussed about the following agenda:

**Agenda:**

1. Approval of course structure for UG & PG in CSE w.e.f., 2016-17.
2. Approval of syllabi for I & II year UG & PG in CSE w.e.f., 2016-17.
3. Approval of syllabi for the subjects offered to other branches w.e.f., 2016-17.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for UG & PG in CSE w.e.f., 2016-17.

**Resolution: 1**

After the detailed discussion the course structure for UG & PG in CSE is approved (given in **Annexure –I**) and is applicable from the A.Y., 2016-17.

**Agenda: 2**

Approval of syllabi for I & II year UG & PG in CSE w.e.f., 2016-17

**Resolution: 2**

After the thorough discussion syllabi was framed to make the students acquire the required technical knowledge and skills. The syllabi framed for the I & II year of UG & PG in CSE (given in **Annexure –II**) and is applicable from the A.Y., 2016-17.

**A. Course & Syllabus Comparison**

With reference to the R15 regulations, the new regulation (R16) syllabus for I year and II year has the following modifications, which are given in the below table.

**I and II B.Tech**

S.No	R15 Regulation	R16 Regulation	Percentage of course content changed
1	Functional English	Functional English	20
2	Mathematics – I	Engineering Mathematics- I	0
3	Computer Programming	Computer Programming	20
4	Engineering Physics	Engineering Physics	10
5	Engineering Drawing	Engineering Graphics	0
6	English Language Communication Skills Lab	English Language and Communication Skills Lab	80
7	Engineering Physics Lab	Engineering Physics Lab	0
8	Computer Programming Lab	Computer Programming Lab	20



9	English for Professional Communication	Professional English	0
10	Mathematics – II	Engineering Mathematics-II	40
11	Data Structures	Data Structures through C	15
12	Engineering Chemistry	Engineering Chemistry	42
13	Environmental Studies	Environmental Studies	30
14	Data Structures Lab	Data Structures through C Lab	15
15	Engineering Chemistry Lab	Engineering Chemistry Lab	0
16	Engineering & IT Workshop	Engineering & IT Workshop Lab	0
17	Mathematics III	Engineering Mathematics-III	60
18	Database Management Systems	Database Management Systems	0
19	Discrete Mathematics	Mathematical Foundations of Computer Science	80
20	Basic Electrical and Electronics Engineering	Basic Electrical and Electronics Engineering	0
21	Digital Logic Design	Digital Logic Design	6
22	Managerial Economics and Financial Analysis		0
23	Database Management Systems Laboratory	Database Management Systems Lab	0
24	Basic Electrical and Electronics Laboratory	Basic Electrical and Electronics Engineering Lab	0
25	Probability and Statistics	Probability & Statistics	60
26	Software Engineering		0
27	Computer Organization	Computer Organization	34
28	Microprocessors & Interfacing		0
29	Object Oriented Programming using Java	Object Oriented Programming	60
30	Formal Languages and Automata Theory		0
31	Microprocessors & Interfacing Laboratory		0
32	Java Programming Laboratory	Object Oriented Programming Lab	100

33	Comprehensive Online Examination-I	Comprehensive Online Examination-I	0
34		Comprehensive Soft Skills-I	100
35		Human Values & Professional Ethics	100
36		Advanced Data Structures through C++	100
37		Advanced Data Structures through C++ Lab	100
38		Ethical Hacking	100
39		Operating Systems	100
40		Operating Systems Lab	100
41		Comprehensive Online Examination-II	100

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSE B.Tech I and II Year	41	41.44

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Functional English	16HS601	Skill Development
2	Computer Programming	16CS501	Employability
3	Engineering Graphics	16ME302	Skill Development
4	English Language and Communication Skills Lab	16HS607	Skill Development
5	Computer Programming Lab	16CS502	Skill Development
6	Professional English	16HS610	Skill Development
7	Human Values & Professional Ethics	16HS606	Employability
8	Data Structures through C	16CS503	Employability
9	Data Structures through C Lab	16CS504	Skill Development
10	Engineering & IT Workshop Lab	16ME301	Skill Development
11	Environmental Studies	16HS605	Employability

12	Advanced Data Structures through C++	16CS505	Employability
13	Digital Logic Design	16CS506	Employability
14	Basic Electrical and Electronics Engineering	16EE207	Skill Development
15	Advanced Data Structures through C++ Lab	16CS508	Skill Development
16	Basic Electrical and Electronics Engineering Lab	16EE208	Skill Development
17	Ethical Hacking	16CS538	Employability
18	Object Oriented Programming	16CS509	Employability
19	Computer Organization	16CS510	Employability
20	Database Management Systems	16CS511	Employability
21	Operating Systems	16CS512	Employability
22	Object Oriented Programming Lab	16CS513	Skill Development
23	Database Management Systems Lab	16CS514	Skill Development
24	Operating Systems Lab	16CS515	Skill Development

### A. Course & Syllabus Comparison

With reference to the R09 regulations, the new regulation (R16) syllabus for I and II year has the following modifications, which are given in the below table.

#### I and II M.Tech

S.No	R09 Regulation	R16 Regulation	Percentage of course content changed
1	Advanced Data Structures and Algorithms	Advanced Data structures and Algorithms	0
2	Discrete Structures		0
3	Computer System Design		0
4	Java and Web Technologies	Java & Web Technologies	0
5	Software Engineering	Object Oriented Software Engineering	100
6	Advances in Databases	Advances in Databases (PE-I)	50
7	Distributed Databases		0
8	Computer Vision	Computer Vision (PE-I)	100
9	Software Lab- 1 (Covering the experiments: Data structures & Algorithms and Web Technologies)	Software Lab- 1	50
10	Software Quality Assurance and Testing		0

11	Object Oriented Analysis and Design	Object Oriented Analysis and Design	0
12	Advanced Computer Networks	Advanced Computer Networks	7
13	Distributed Systems		0
14	Data Warehousing and Mining		0
15	Software Architecture	Software Architecture and Design Patterns	100
16	Software Design		0
17	Design Patterns		0
18	Software Lab- 2 (Covering the experiments: OOAD & Data Warehousing and Mining)	Software Lab- 2	100
19		Programming in Python	100
20		Cyber Crime Investigations and Digital Forensics	100
21		Advanced Operating Systems (PE-I)	100
22		Cloud Computing	100
23		Data Analytics	100
24		Machine Learning (PE-II)	100
25		Distributed Systems (PE-II)	100
26		Image Processing and Pattern Recognition (PE-II)	100
27	Seminar	Seminar	0
28	Project work	Project Work	0

**Consolidated Sheet**

<b>Course</b>	<b>Total courses</b>	<b>Percentage of syllabus changed</b>
<b>CSE M.Tech I and II Year</b>	<b>28</b>	<b>72.61</b>

**B. Course Relevance**

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Object Oriented Software Engineering	16CS5801	Employability
2	Advanced Computer Networks	16CS5802	Employability
3	Programming in Python	16CS5803	Employability
4	Advanced Data structures and Algorithms	16CS5804	Employability
5	Cyber Crime Investigations and Digital Forensics	16CS5805	Employability
6	Advances in Databases	16CS5806	Employability
7	Advanced Operating Systems	16CS5807	Employability
8	Computer Vision	16CS5808	Employability
9	Software Lab- 1 (Covering the experiments: PYTHON Tasks, Data structure tasks)	16CS5809	Skill Development
10	Software Architecture and Design Patterns	16CS5810	Employability
11	Cloud Computing	16CS5811	Employability
12	Data Analytics	16CS5812	Employability
13	Java & Web Technologies	16CS5813	Employability
14	Object Oriented Analysis and Design	16CS5814	Employability
15	Machine Learning	16CS5815	Employability
16	Distributed Systems	16CS5816	Employability
17	Image Processing and Pattern Recognition	16CS5817	Employability
18	Software Lab- 2 (Covering the experiments: JWT Tasks & UML Tasks)	16CS5818	Skill Development
19	Seminar	16CS5819	Skill Development
20	Project Work	16CS5820	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabi for the subjects offered to other branches w.e.f., 2016-17.

**Resolution: 3**

After the thorough discussion syllabi was approved and finalized for the subjects offered to other branches (given in **Annexure-III**) and is applicable from the A.Y., 2016-17.

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COMPUTER SCIENCE AND ENGINEERING

**Agenda: 4**

Approval of Panel of question paper setters.

**Resolution: 4**

Approved the panel of question paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**

Approval of Panel of examiners.

**Resolution: 5**

Approved the panel of examiners for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of Thanks proposed by the Chairman-BoS.

### Members Present

S.No.	Member Name	Academic/ Industry Position	Role in the BOS	Signature
1.	Prof. Nirupama	Professor & HOD - SIETK	Chairman	Nirupama
2.	Mr. A. Balasubramani	Professor - SIETK	Member	A. Balasubramani
3.	Mrs. J. Suneetha	Associate Professor - SIETK	Member	J. Suneetha
4.	Mr. S. Hrushikesava Raju	Associate Professor - SIETK	Member	S. Hrushikesava Raju
5.	Mr. P. Ramesh Babu	Associate Professor - SIETK	Member	P. Ramesh Babu
6.	Dr. P. Chenna Reddy	Professor, JNTUA, Ananthapuramu	Member	P. Chenna Reddy
7.	Dr. C. Sudhakar	Associate Professor, NIT Warangal	Member	C. Sudhakar
8.	Dr. S. Jyothi	Professor, SPMVV, Tirupati	Member	S. Jyothi
9.	Mr. E. Prakash	Senior Software Developer, Inautix Technology Pvt.Ltd, Chennai	Member	E. Prakash
10.	Ms. M. Sowmya Harika	Assistant Professor, Sri Padmavathi Mahila University, Tirupati	Member	M. Sowmya Harika

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**2<sup>nd</sup> BoS Meeting of Computer Science and Engineering (CSE)**

Date: 23/12/2017

The 2<sup>nd</sup> meeting of Board of Studies (BoS) in Computer Science and Engineering is held on 23<sup>rd</sup> December 2017 at 10.00 AM in the Department of Computer Science and Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Prof.P.Nirupama, Chairman - BoS chaired the meeting and welcomed all the members to the Second BoS meeting and discussed about the following agenda:

**Agenda:**

1. Approval of course structure for III & IV year UG in CSE w.e.f., 2018-19.
2. Approval of syllabi for III & IV year UG in CSE w.e.f., 2018-19.
3. Approval of syllabus for the subject offered to other branches w.e.f., 2018-19.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item.



After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for III & IV year UG in CSE w.e.f., 2018-19.

**Resolution: 1**

After the detailed discussion the course structure for III & IV year UG in CSE was approved (given in **Annexure –I**) and is applicable from the A.Y., 2018-19.

**Agenda: 2**

Approval of syllabi for III & IV year UG in CSE w.e.f., 2018-19.

**Resolution: 2**

After the thorough discussion syllabi was framed to make the students acquire the required technical knowledge and skills. The syllabi framed for the III and IV year of UG in CSE (given in **Annexure –II**) and is applicable from the A.Y., 2018-19.

**A. Course & Syllabus Comparison**

With reference to the R15 regulations, the new regulation (R16) syllabus for III year and IV year has the following modifications, which are given in the below table.

**III and IV B.Tech**

S.No	R15 Regulation	R16 Regulation	Percentage of course content changed
1	Operating Systems		0
2	Computer Networks	Computer Networks	26
3	Object Oriented Analysis and Design	Object Oriented Analysis and Design	30
4	Principles of Programming Languages		0
5	Software Testing	Software Testing	0
6	Introduction to Big Data	Big Data	0
7	R Programming		0

8	Intrduction to Operating Management		0
9	Object Oriented Analysis and Design & Software Testing Laboratory	Software Testing and CASE tools Lab	10
10	Operating Systems Laboratory		0
11	Social Values & Ethics (Audit Course)		0
12	Compiler Design	Compiler Design	8
13	Data Warehousing & Mining	Data Warehousing and Data Mining	35
14	Design Patterns		0
15	Design and Analysis of Algorithms		0
16	Web and Internet Technologies	Web Technologies	65
17	Artificial Intelligence	Artificial Intelligence	25
18	Linux Environment System		0
19	System Applications & Product	System Applications & Product	0
20	Intellectual Property Rights	Intellectual Property Rights	0
21	Web and Internet Technologies Laboratory	Web Technologies Lab	100
22	Data Warehousing & Mining Laboratory	Data Warehousing and Data Mining Lab	10
23	Advanced English Language Communication Skills(AELCS) Laboratory) (Audit Course)	Advanced English Language and Communication Skills Lab	20
24	Comprehensive Online Examination-II	Comprehensive Online Examination-IV	0
25	Management Science		0
26	Grid & Cloud Computing	Cloud Computing	100
27	Information Security		0
28	Mobile Application Development	Mobile Application Development	100
29	Software Architecture		0

30	Computer Graphics		0
31	Machine Learning		0
32	Software Project	Software Project Management	0
33	Distributed Systems		0
34	Real Time Systems	Real Time Systems	100
35	Grid & Cloud Computing Laboratory		0
36	Mobile Application Development Laboratory	Mobile Application development Lab	100
37	MOOCS-II	MOOC courses-offered by SWAYAM/ NPTEL/ NISTE-suggested by the department (online courses)	0
38	Data Analytics	Data Science & Analytics	35
39	Mobile Computing	Mobile Computing	0
40	Innovations and IT Management		0
41	MOOCS-III		0
42	Building Large Scale Software Systems		0
43	Enabling Technologies for Data Science Analytics: IoT		0
44	Cyber Security	Cyber Security	60
45	Comprehensive Viva-Voce		0
46	Technical Seminar	Seminar	0
47	Project Work	Project	0
48		Unix & Shell Programming	100
49		Formal Languages and Automata Theory	100
50		Software Engineering & Architecture	100
51		Design and Analysis of Algorithms	100
52		Unix & Shell Programming Lab	100

53		Comprehensive Online Examination-III	100
54		Microprocessors & Microcontrollers	100
55		Computer Networks and Microprocessors & Micro Controllers Lab	100
56		Aptitude Practice-I	100
57		Aptitude Practice-II	100
58		Managerial Economics and Financial Analysis	100
59		Human Computer Interaction	100
60		Elements of Road Traffic Safety	100
61		Neural Networks & Fuzzy Logic	100
62		Non-Conventional Energy Resources	100
63		MATLAB Programming	100
64		Entrepreneurship Development	100
65		Python Programming	100

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSE B.Tech III and IV Year	65	59.63

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Unix & Shell Programming	16CS516	Employability
2	Formal Languages and Automata Theory	16CS517	Employability
3	Software Engineering & Architecture	16CS518	Employability
4	Web Technologies	16CS519	Employability
5	Big Data	16CS520	Employability

6	Design and Analysis of Algorithms	16CS521	Employability
7	Unix & Shell Programming Lab	16CS522	Skill Development
8	Web Technologies Lab	16CS523	Skill Development
9	Compiler Design	16CS524	Employability
10	Software Testing	16CS525	Employability
11	Object Oriented Analysis and Design	16CS526	Employability
12	Computer Networks	16CS527	Employability
13	Software Testing and CASE tools Lab	16CS528	Skill Development
14	Computer Networks and Microprocessors & Micro Controllers Lab	16CS529	Skill Development
15	Cyber Security	16CS530	Employability
16	Data Warehousing and Data Mining	16CS531	Employability
17	Mobile Application Development	16CS532	Employability
18	System Applications & Product	16CS533	Employability
19	Software Project Management	16CS534	Employability
20	Human Computer Interaction	16CS535	Employability
21	Data Science & Analytics	16CS536	Employability
22	Artificial Intelligence	16CS537	Employability
23	Cloud Computing	16CS538	Employability
24	Ethical Hacking	16CS538	Employability
25	Data Warehousing and Data Mining Lab	16CS539	Skill Development
26	Mobile Application development Lab	16CS540	Skill Development
27	Mobile Computing	16CS541	Employability
28	Real Time Systems	16CS542	Employability
29	Python Programming	16CS543	Employability
30	Seminar	16CS547	Skill Development
31	Project	16CS548	Skill Development
32	Microprocessors & Microcontrollers	16EC423	Skill Development
33	Matlab Programming	16EC443	Skill Development
34	Neural Networks & Fuzzy Logic	16EE239	Skill Development
35	Advanced English Language and Communication Skills Lab	16HS615	Skill Development
36	Aptitude Practice-I	16HS616	Skill Development
37	Aptitude Practice-II	16HS617	Skill Development
38	Managerial Economics and Financial Analysis	16MB750	Entrepreneurship
39	Entrepreneurship Development	16MB751	Entrepreneurship
40	Intellectual Property Rights	16MB752	Skill Development
41	Non-Conventional Energy Resources	16ME313	Skill Development

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COMPUTER SCIENCE AND ENGINEERING

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subject offered to other branches w.e.f. 2018-19.

**Resolution: 3**

After the thorough discussion syllabus was approved for the subject offered to other branches (given in **Annexure-III**) and is applicable from the A.Y., 2018-19.

**Agenda: 4**

Approval of Panel of question paper setters.

**Resolution: 4**

Approved the panel of question paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**

Approval of Panel of examiners.

**Resolution: 5**

Approved the panel of examiners for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of Thanks proposed by the Chairman-BoS.

### Members Present

S.No.	Member Name	Academic/ Industry Position	Role in the BOS	Signature
1.	Prof. Nirupama	Professor & HOD - SIETK	Chairman	<i>Nirupama</i>
2.	Prof. A. Balasubramani	Professor - SIETK	Member	<i>A. Balasubramani</i>
3.	Dr. J. Suneetha	Associate Professor - SIETK	Member	<i>Suneetha</i>
4.	Dr. S. Hrushikesava Raju	Associate Professor - SIETK	Member	<i>S. Hrushikesava Raju</i>
5.	Dr. P. Ramesh Babu	Associate Professor - SIETK	Member	<i>P. Ramesh Babu</i>
6.	Dr. P. Chenna Reddy	Professor, JNTUA, Ananthapuramu	Member	<i>Absent</i>
7.	Dr. C. Sudhakar	Associate Professor, NIT, Warangal	Member	<i>Absent</i>
8.	Dr. S. Jyothi	Professor, SPMVV, Tirupati	Member	<i>S. Jyothi</i>
9.	Mr. E. Prakash	Senior Software Developer, Delloitte, Bengaluru, Karnataka	Member	<i>E. Prakash</i>
10.	Ms. M. Sowmya Harika	Assistant Professor, Sri Padmavathi Mahila University, Tirupati	Member	<i>M. Sowmya Harika</i>

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**3<sup>rd</sup> BOS Computer Science and Engineering (CSE)**

Date: 18-06-2018

The 3<sup>rd</sup> meeting of Board of Studies (BOS) in Computer Science and Engineering is held on 18<sup>th</sup> June, 2018 at 2:00PM in the Department of Computer Science and Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Prof. P. Nirupama, Chairman BOS chaired the meeting and welcomed all the members to the third BOS meeting and discussed about the following agenda

**Agenda:**

1. Approval of course structure for I & II year UG & PG in CSE w.e.f., A.Y.2018-19.
2. Approval of syllabus for I & II year UG & PG in CSE w.e.f., A.Y.2018-19.
3. Approval of syllabus for the subjects offered to various branches w.e.f. 2018-19.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item



After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for I & II year UG & PG in CSE w.e.f., A.Y.2018-19

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for I & II year UG & PG (CSE) (given in **Annexure –I**) applicable from the A.Y.2018-19.

**Agenda: 2**

Approval of syllabus for I & II year UG & PG in CSE w.e.f., A.Y.2018-19

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I and II year B.Tech I & II-Semesters (given in **Annexure-II**)

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for I and II year has the following modifications, which are given in the below table.

**I and II B.Tech**

S.No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Functional English		0
2	Engineering Mathematics- I	Mathematics-1	0
3	Engineering Chemistry	Chemistry	0
4	Computer Programming	Programming for Problem Solving	20
5	Engineering Graphics	Engineering Graphics & Design	0
6	English Language and Communication Skills Lab	English Lab	25

7	Engineering Chemistry Lab	Chemistry Lab	0
8	Computer Programming Lab	Programming for Problem Solving Lab	50
9	Professional English	English	100
10	Engineering Mathematics-II	Mathematics-II	0
11	Engineering Physics	Semi-Conductor Physics	90
12	Human Values & Professional Ethics		0
13	Data Structures through C	Data Structures & Algorithms	40
14	Engineering Physics Lab	Physics Lab	0
15	Data Structures through C Lab	Data Structures & Algorithms Lab	28
16	Engineering & IT Workshop Lab	Workshop Practices Lab	0
17	Engineering Mathematics-III		0
18	Environmental Studies	Environmental Sciences	0
19	Advanced Data Structures through C++		0
20	Digital Logic Design	Digital Logic Design	0
21	Mathematical Foundations of Computer Science	Discrete Mathematics	0
22	Basic Electrical and Electronics Engineering	Basic Electrical Engineering	0
23	Advanced Data Structures through C++ Lab		0
24	Basic Electrical and Electronics Engineering Lab	Basic Electrical & Electronics Engineering Lab	0
25	Comprehensive Online Examination-I	Comprehensive Online Examination – I	0
26	Ethical Hacking		0
27	Probability & Statistics	Probability & Statistics	0
28	Object Oriented Programming	Object Oriented Programming	0
29	Computer Organization	Computer Organization & Architecture	30
30	Database Management Systems	Database Management Systems	0

31	Operating Systems	Operating Systems	0
32	Object Oriented Programming Lab	Object Oriented Programming Lab	100
33	Database Management Systems Lab	Database Management Systems Lab	0
34	Operating Systems Lab	Operating Systems Lab	0
35	Comprehensive Online Examination-II		0
36	Comprehensive Soft Skills-I		0
37		Essence of Indian Traditional Knowledge	100
38		Analog Electronics Circuits	100
39		Indian Constitution	100
40		Formal Languages and Automata Theory	100
41		Biology for Engineers	100

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSE B.Tech I and II Year	41	29.78

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Engineering Graphics & Design	18ME0302	Skill Development
2	English	18HS0810	Skill Development
3	English Lab	18HS0811	Skill Development
4	Workshop Practices Lab	18ME0301	Skill Development
5	Induction Program (3 weeks)		Skill Development
6	Programming for Problem Solving	18CS0501	Employability
7	Digital Logic Design	18CS0502	Employability
8	Basic Electrical Engineering	18EE0239	Skill Development
9	Programming for Problem Solving Lab	18CS0503	Skill Development
10	Essence of Indian Traditional Knowledge	18HS0817	Employability

11	Analog Electronics Circuits	18EC0443	Skill Development
12	Data Structures & Algorithms	18CS0504	Employability
13	Computer Organization & Architecture	18CS0505	Employability
14	Database Management Systems	18CS0506	Employability
15	Data Structures & Algorithms Lab	18CS0507	Skill Development
16	Database Management Systems Lab	18CS0508	Skill Development
17	Basic Electrical & Electronics Engineering Lab	18EE0241	Skill Development
18	Indian Constitution	18HS0816	Skill Development
19	Formal Languages and Automata Theory	18CS0509	Employability
20	Operating Systems	18CS0510	Employability
21	Biology for Engineers	18HS0803	Skill Development
22	Object Oriented Programming	18CS0511	Employability
23	Operating Systems Lab	18CS0512	Skill Development
24	Object Oriented Programming Lab	18CS0513	Skill Development
25	Environmental Sciences	18HS0804	Employability

#### A. Course & Syllabus Comparison

With reference to the R16 regulations, the new regulation (R18) syllabus for I and II year has the following modifications, which are given in the below table.

#### I and II M.Tech

S.No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Object Oriented Software Engineering		0
2	Advanced Computer Networks		0
3	Programming in Python		0
4	Advanced Data structures and Algorithms	Advanced Data Structures	100
5	Cyber Crime Investigations and Digital Forensics		0
6	Advances in Databases		0
7	Advanced Operating Systems		0
8	Computer Vision	Computer Vision	0
9	Software Lab- 1 (Covering the experiments: PYTHON Tasks, Data structure tasks)		0

10	Software Architecture and Design Patterns		0
11	Cloud Computing		0
12	Data Analytics		0
13	Java & Web Technologies		0
14	Object Oriented Analysis and Design		0
15	Machine Learning	Machine Learning	100
16	Distributed Systems	Distributed Systems	0
17	Image Processing and Pattern Recognition		0
18	Software Lab- 2 (Covering the experiments: JWT Tasks & UML Tasks)		0
19	Seminar	Mini Project with Seminar	0
20	Project Work	Phase-I Dissertation-I /Industrial Project	0
21		Mathematical Foundations of Computer Science	100
22		Wireless Sensor Networks	100
23		Introduction to Intelligent Systems	100
24		Data Science	100
25		Advanced Wireless and Mobile Networks	100
26		Research Methodology and IPR	100
27		Advanced Data Structures Lab	100
28		Machine Learning Lab	100
29		English for Research Paper Writing	100
30		Disaster Management	100
31		Sanskrit for Technical Knowledge	100
32		Value Education	100
33		Advance Algorithms	100
34		Soft Computing	100

35		Data Preparation and Analysis	100
36		Secure Software Design & Enterprise Computing Computer Vision	100
37		Human and Computer Interaction	100
38		GPU Computing	100
39		Digital Forensics	100
40		Advance Algorithms Lab	100
41		Soft Computing Lab	100
42		Constitution of India	100
43		Pedagogy Studies	100
44		Stress Management by Yoga	100
45		Personality Development through Life Enlightenment Skills.	100
46		Mobile Applications and Services	100
47		Compiler for HPC	100
48		Optimization Techniques	100
49		Business Analytics	100
50		Industrial Safety	100
51		Operations Research	100
52		Cost Management of Engineering	100
53		Composite Materials	100
54		Waste to Energy	100
55		Phase –II Dissertation II	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
CSE M.Tech I Year and II Year	55	90.24

**B. Course Relevance**

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Advanced Data Structures	18CS5001	Employability
2	Machine Learning	18CS5010	Employability
3	Wireless Sensor Networks	18CS5011	Employability
4	Introduction to Intelligent Systems	18CS5012	Employability
5	Data Science	18CS5013	Employability
6	Distributed Systems	18CS5014	Employability
7	Advanced Wireless and Mobile Networks	18CS5015	Employability
8	Research Methodology and IPR	18HS0823	Employability
9	Advanced Data Structures Lab	18CS5002	Skill Development
10	Machine Learning Lab	18CS5016	Skill Development
11	English for Research Paper Writing	18HS0818	Skill Development
12	Disaster Management	18CE1029	Skill Development
13	Sanskrit for Technical Knowledge	18HS0825	Skill Development
14	Value Education	18HS0826	Skill Development
15	Advance Algorithms	18CS5003	Employability
16	Soft Computing	18CS5004	Employability
17	Data Preparation and Analysis	18CS5017	Employability
18	Secure Software Design & Enterprise Computing	18CS5018	Employability
19	Computer Vision	18CS5019	Employability
20	Human and Computer Interaction	18CS5020	Employability
21	GPU Computing	18CS5021	Employability
22	Digital Forensics	18CS5022	Employability
23	Advance Algorithms Lab	18CS5005	Skill Development
24	Soft Computing Lab	18CS5006	Skill Development
25	Mini Project with Seminar	18CS5007	Employability
26	Constitution of India	18HS0829	Skill Development
27	Pedagogy Studies	18HS0827	Skill Development
28	Stress Management by Yoga	18HS0828	Skill Development
29	Personality Development through Life Enlightenment Skills.	18HS0819	Skill Development
30	Mobile Applications and Services	18CS5023	Employability
31	Compiler for HPC	18CS5024	Employability
32	Optimization Techniques	18CS5025	Employability
33	Business Analytics	18HS0824	Skill Development
34	Industrial Safety	18ME3121	Skill Development

35	Operations Research	18ME3122	Skill Development
36	Cost Management of Engineering	18CE1028	Skill Development
37	Composite Materials	18ME3128	Skill Development
38	Waste to Energy	18EE2128	Skill Development
39	Phase-I Dissertation-I /Industrial Project	18CS5008	Skill Development
40	Phase –II Dissertation II	18CS5009	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subjects offered to various branches w.e.f. 2018-19

**Resolution: 3**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the subjects offered to various branches (given in **Annexure-III**).

**Agenda: 4**

Approval of Panel of Question Paper setters

**Resolution: 4**

Approved the panel of question paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**

Approval of Panel of Examiners

**Resolution: 5**

Approved the panel of examiners for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.



## Members Present

S.No.	Member Name	Academic/ Industry Position	Role in the BOS	Signature
1.	Prof. Nirupama	Professor & HOD - SIETK	Chairman	<i>Nirupama</i>
2.	Dr.J. Suneetha	Professor - SIETK	Member	<i>Suneetha</i>
3.	Dr. S. Hrushikesava Raju	Professor - SIETK	Member	<i>S. Hrushikesava Raju</i>
4.	Dr. P. Kavitha Rani	Professor -SIETK	Member	<i>P. Kavitha Rani</i>
5.	Dr. P. Ramesh Babu	Professor - SIETK	Member	<i>P. Ramesh Babu</i>
6.	Dr. P. Chenna Reddy	Professor, Dept. of CSE, JNTUA, Ananthapuramu	Member	<i>P. Chenna Reddy</i>
7.	Dr. C. Sudhakar	Associate Professor, Dept. of CSE, NIT Warangal	Member	<i>Absent</i>
8.	Dr. S. Jyothi	Professor, SPMVV, Tirupati	Member	<i>S. Jyothi</i>
9.	Mr. E. Prakash	Senior Consultant, Deloitte Consulting Private Limited, Bangalore.	Member	<i>E. Prakash</i>
10.	Ms. M. Sowmya Harika	Assistant Professor, Sri Padmavathi Mahila Visvavidyalayam, Tirupati	Member	<i>Absent</i>

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**4<sup>th</sup> BoS Meeting of Computer Science and Engineering (CSE)**

Date: 14/08/2019

The 4<sup>th</sup> meeting of Board of Studies (BoS) in Computer Science and Engineering is held on 14<sup>th</sup> August, 2019 (Wednesday) at 2.00PM in the Department of Computer Science and Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. B.Geethavani, Chairman - BoS chaired the meeting and welcomed all the members to the fourth BoS meeting and discussed the following agenda:

1. Approval of course structure for I year UG & PG in CSE w.e.f., 2019-2020.
2. Approval of syllabi for I year UG & PG in CSE w.e.f., 2019-2020.
3. Approval of syllabus for the subject offered to other branches w.e.f., 2019-2020.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item with the permission of Chair

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for I year UG & PG in CSE w.e.f., 2019-2020.

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for I year UG & PG (given in **Annexure –I**) applicable from the A.Y.2019-2020.

**Agenda: 2**

Approval of syllabus for I year UG & PG in CSE w.e.f., 2019-2020.

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I Year B.Tech.I & II-Semesters and I Year M.Tech. I & II-Semesters (given in **Annexure-II**).

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for I year has the following modifications which are given in the below table.

**I B.Tech**

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Mathematics-I	Algebra and Calculus	70
2	Chemistry	Applied Chemistry	100
3	Engineering Graphics & Design	Engineering Graphics	10
4	English	Communicative English	100
5	Chemistry Lab	Applied Chemistry Lab	90

6	English Lab	Communicative English Lab	80
7	Workshop Practices Lab	Workshop Practices Lab	27
8	Mathematics-II		0
9	Semi-Conductor Physics	Semiconductor Physics	35
10	Programming for Problem Solving		0
11	Digital Logic Design	Digital Logic Design	0
12	Basic Electrical Engineering	Basic Electrical & Electronics Engineering	90
13	Programming for Problem Solving Lab		0
14	Physics Lab	Semiconductor Physics Lab	25
15	Essence of Indian Traditional Knowledge	Essence of Indian Traditional Knowledge	0
16		Python Programming	100
17		Python Programming Lab	100
18		Probability & Statistics	100

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSE B.Tech I Year	18	61.8

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Engineering Graphics	19ME0302	Skill Development
2	Python Programming	19CS0501	Employability
3	Python Programming Lab	19CS0502	Skill Development
4	Workshop Practices Lab	19ME0301	Skill Development
5	Communicative English	19HS0810	Employability
6	Basic Electrical & Electronics Engineering	19EE0240	Employability

7	Digital Logic Design	19CS0503	Skill Development
8	Communicative English Lab	19HS0811	Skill Development
9	Essence of Indian Traditional Knowledge	19HS0817	Employability

### A. Course & Syllabus Comparison

With reference to the R18 regulations, the new regulation (R19) syllabus for I year has the following modifications, which are given in the below table.

#### I M.Tech

S No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Mathematical Foundations of Computer Science	Discrete Mathematics and Applications	0
2	Advanced Data Structures	Advanced Data Structures	0
3	Machine Learning	Machine Learning	0
4	Wireless Sensor Networks	Wireless Sensor Networks	0
5	Introduction to Intelligent Systems	Introduction to Intelligent Systems	0
6	Data Science	Data Science	0
7	Distributed Systems	Distributed Systems	0
8	Advanced Wireless and Mobile Networks	Advanced Wireless and Mobile Networks	0
9	Research Methodology and IPR	Research Methodology and IPR	0
10	Advanced Data Structures Lab	Advanced Data Structures Lab	0
11	English for Research Paper Writing	English for Research Paper Writing	0
12	Disaster Management		0
13	Sanskrit for Technical Knowledge		0
14	Value Education		0
15	Advance Algorithms	Advanced Algorithms	0
16	Soft Computing	Soft Computing	0

17	Data Preparation and Analysis	Data Preparation and Analysis	0
18	Secure Software Design & Enterprise Computing Computer Vision	Secure Software Design & Enterprise Computing	0
19	Computer Vision	Computer Vision	0
20	Human and Computer Interaction	Human and Computer Interaction	0
21	GPU Computing	GPU Computing	100
22	Digital Forensics	Digital Forensics	0
23	Advance Algorithms Lab	Advanced Algorithms Lab	0
24	Soft Computing Lab	Soft Computing Lab	0
25	Mini Project with Seminar	Mini Project	0
26	Constitution of India	Constitution of India	0
27	Pedagogy Studies		0
28	Stress Management by Yoga		0
29	Personality Development through Life Enlightenment Skills.		0
30		Machine Learning Lab	100

**Consolidated Sheet**

<b>Course</b>	<b>Total courses</b>	<b>Percentage of syllabus changed</b>
<b>CSE M.Tech I Year</b>	<b>30</b>	<b>8.3</b>

**B. Course Relevance**

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Research Methodology and IPR	19HS0823	Skill Development
2	Advanced Data Structures	19CS5001	Employability
3	Machine Learning	19CS5010	Employability
4	Wireless Sensor Networks	19CS5011	Employability
5	Introduction to Intelligent Systems	19CS5012	Employability
6	Data Science	19CS5013	Employability
7	Distributed Systems	19CS5014	Employability
8	Advanced Wireless and Mobile Networks	19CS5015	Employability
9	Advanced Data Structures Lab	19CS5002	Skill Development
10	Machine Learning Lab	19CS5016	Skill Development
11	English for Research Paper Writing	19HS0818	Skill Development
12	Advanced Algorithms	19CS5003	Employability
13	Soft Computing	19CS5004	Employability
14	Data Preparation and Analysis	19CS5017	Employability
15	Secure Software Design & Enterprise Computing	19CS5018	Employability
16	Computer Vision	19CS5019	Employability
17	Human and Computer Interaction	19CS5020	Employability
18	GPU Computing	19CS5021	Employability
19	Digital Forensics	19CS5022	Employability
20	Advanced Algorithms Lab	19CS5005	Skill Development
21	Soft Computing Lab	19CS5006	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

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**Agenda: 3**

Approval of syllabus for the subject offered to other branches w.e.f. 2019-20.

**Resolution: 3**

After the thorough discussion BOS resolved to approve the subject offered to other branches (given in **Annexure-III**) and is applicable from the A.Y., 2019-20.

**Agenda: 4**

Approval of Panel of question paper setters

**Resolution: 4**

Approved the panel of question paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**

Approval of Panel of examiners


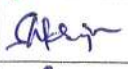






**Resolution: 5**

Approved the panel of examiners for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with Vote of Thanks proposed by the Chairman-BOS.



## Members Present

S. No.	Member Name	Academic/ Industry Position	Designation	Signature
1	Dr. B. GeethaVani	Professor & HOD	Chairman	
2	Dr. S. HrushikesavaRaju	Professor	Member	
3	Dr. P.Kavitha Rani	Professor	Member	
4	Mr. SaiyedFaiyazWaris	Associate Professor	Member	
5	Mr. R. G. Kumar	Assistant Professor	Member	
6	Dr. S. Jyothi	Professor, Dept. of Computer Science, Sri PadmavathiMahilaVisvavidyalayam, Tirupati-517502. AP, India. Ph: 94405 82187 Email: <a href="mailto:jyothi.spmvv@gmail.com">jyothi.spmvv@gmail.com</a>	Member	
7	Dr. S. Ramakrishna	Professor, Department of Computer Science, SVU, Tirupati. Contact No. 9441495972, Email: <a href="mailto:drsramakrishna@yahoo.com">drsramakrishna@yahoo.com</a>	Member	
8	Prof. P. Viswanath,	Professor, Indian Institute of Information Technology, Sri City, Chittoor Dist., Andhra Pradesh. Contact No. 7337324906, Email: <a href="mailto:viswanath.p@iiits.in">viswanath.p@iiits.in</a> , <a href="mailto:viswanath.pulabaigari@gmail.com">viswanath.pulabaigari@gmail.com</a>	Member	ARSENT
9	Mr. D. Sriramdeshpande	Senior Project Engineer, Smart Enovation India Limited, Bangalore, Karnataka. Contact No. 8861345177, 9960506473 Email: <a href="mailto:sriram.d@smartenovations.com">sriram.d@smartenovations.com</a> ; <a href="mailto:sriramdeshpande@gmail.com">sriramdeshpande@gmail.com</a>	Member	ARSENT
10	Mr.C.Srikanth	Assistant Manager, Bank of Baroda, Chennai Contact N0. 9177728557 Email: <a href="mailto:srikanth.c87@gmail.com">srikanth.c87@gmail.com</a>	Member	



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR**

**(AUTONOMOUS)**

**(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapur),**

**(Accredited by NBA & NAAC with "A" Grade)**

**Siddharth Nagar, Narayanavanam Road, Puttur -517583, Chittoor Dist., A.P, India**

**Department of Computer Science and Engineering**

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**Minutes of 5<sup>th</sup> BoS Meeting of Computer Science and Engineering (CSE)**

**Date: 28/08/2020**

The 5<sup>th</sup> meeting of Board of Studies (BoS) in Computer Science and Engineering is held on **28<sup>th</sup> August, 2020 (Friday) at 10.00 AM** in the Department of Computer Science and Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist through Zoom online because of Covid Pandemic situation.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. B.Geethavani, Chairman - BoS chaired the meeting and welcomed all the members to the fifth BoS meeting and following is the agenda of meeting:

1. To discuss Course Structure and syllabi for II year B.Tech. under R19 Regulation.
2. To discuss Course Structure and syllabi for III year B.Tech. under R18 Regulation.
3. To discuss Course Structure and syllabi for II year M.Tech. under R19 Regulation
4. To discuss Course Structure and syllabi for I and II year M.Tech. under R20 Regulation
5. To prepare panel of examiners and paper setters for I, II and III B.Tech. that comes under R20, R19 & R18 respectively and M.Tech course under R19 and R20 regulations.
6. Any other item.

After a brief introduction of the agenda items listed above, each agenda item is taken up for discussion and the following resolutions are passed.

**Minutes:**

**Agenda: 1**

Approval of Course Structure and Syllabi for II year B.Tech - CSE under R19 Regulation.

**Resolution: 1**

The BOS resolved to approve the Course Structure and Syllabi framed for the II Year B.Tech I & II-Semesters under R19 Regulation (given in Annexure-II).

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for II year has the following modifications, which are given in the below table.

**II B.Tech**

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Probability & Statistics		0
2	Analog Electronics Circuits		0
3	Data Structures & Algorithms	C and Data Structures	60
4	Computer Organization & Architecture	Computer Organization & Architecture	0
5	Database Management Systems	Database Management Systems	30
6	Data Structures & Algorithms Lab	C and Data Structures Lab	95
7	Database Management Systems Lab	Database Management Systems Lab	90
8	Basic Electrical & Electronics Engineering Lab		0
9	Indian Constitution	Indian Constitution	20
10	Discrete Mathematics	Discrete Mathematics	0
11	Formal Languages and Automata Theory	Formal Languages and Automata Theory	0
12	Operating Systems	Operating Systems	10

13	Biology for Engineers		0
14	Object Oriented Programming	Object Oriented Programming through Java	25
15	Operating Systems Lab	Operating Systems lab	27
16	Object Oriented Programming Lab	Object Oriented Programming through Java Lab	22
17	Environmental Sciences	Environmental Science	0
18		Object oriented Analysis and design lab	100
19		Microprocessors & Microcontrollers	100
20		Microcontroller and Applications Lab	100
21		Water Technology	100
22		Generation of Energy Through Waste	100
23		Fundamentals of Mechanical Engineering	100
24		Introduction to Communication Systems	100
25		Management Science	100
26		Fundamentals of Urban Planning	100
27		Industrial Instrumentation	100
28		Mechanical Measurements & Control Systems	100
29		Elements of Embedded Systems	100
30		Intellectual Property Rights	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSE B.Tech II Year	30	64.57

**B. Course Relevance**

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Microprocessors & Microcontrollers	19EC0421	Skill Development
2	Computer Organization & Architecture	19CS0504	Employability
3	C and Data Structures	19CS0505	Employability
4	Database Management Systems	19CS0506	Employability
5	Water Technology	19CE0136	Skill Development
6	Generation of Energy Through Waste	19EE0238	Skill Development
7	Fundamentals of Mechanical Engineering	19ME0349	Skill Development
8	Introduction to Communication Systems	19EC0448	Skill Development
9	Management Science	19HS0813	Entrepreneurship
10	Microcontroller and Applications Lab	19EC0424	Skill Development
11	C and Data Structures Lab	19CS0507	Skill Development
12	Database Management Systems Lab	19CS0508	Skill Development
13	Indian Constitution	19HS0816	Skill Development
14	Formal Languages and Automata Theory	19CS0509	Employability
15	Object Oriented Programming through Java	19CS0510	Employability
16	Operating Systems	19CS0511	Employability
17	Fundamentals of Urban Planning	19CE0143	Skill Development
18	Industrial Instrumentation	19EE0233	Skill Development
19	Mechanical Measurements & Control Systems	19ME0350	Skill Development
20	Elements of Embedded Systems	19EC0449	Skill Development
21	Intellectual Property Rights	19HS0814	Skill Development
22	Object Oriented Programming through Java Lab	19CS0512	Skill Development
23	Operating Systems lab	19CS0513	Skill Development
24	Object oriented Analysis and design lab	19CS0514	Skill Development
25	Environmental Science	19HS0805	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 2**

Approval of Course Structure and Syllabi for III year B.Tech - CSE under R18 Regulation.

**Resolution: 2**

After detailed discussion, the BOS resolved to approve the syllabi for III year B.Tech I & II – Semesters under R18 Regulation (given in **Annexure –III**).

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for III year has the following modifications, which are given in the below table.

**III B.Tech**

S.No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Unix & Shell Programming		0
2	Formal Languages and Automata Theory		0
3	Software Engineering & Architecture	Software Engineering	80
4	Web Technologies	Web Technologies	70
5	Big Data		100
6	Design and Analysis of Algorithms	Design and Analysis of Algorithms	0
7	Unix & Shell Programming Lab		0
8	Web Technologies Lab	Web Technologies Lab	65
9	Aptitude Practice-I	Aptitude Practices	0
10	Microprocessors & Microcontrollers		0
11	Compiler Design	Compiler Design	0
12	Software Testing		0
13	Object Oriented Analysis and Design	Object Oriented Analysis and Design Lab	0
14	Computer Networks	Computer Networks	0
15	Software Testing and CASE tools Lab		0
16	Computer Networks and Microprocessors & Micro Controllers Lab		0

17	Advanced English Language and Communication Skills Lab	English for Corporate Communication Skills Lab	20
18	Aptitude Practice-II		0
19		Managerial Economics and Financial Analysis	100
20		Python Programming	100
21		Analysis of Algorithms Lab	100
22		Python Programming Lab	100
23		Data Warehousing and Data Mining	100
24		Advanced Operating Systems	100
25		Linux Programming	100
26		Quantum Computing	100
27		Elements of Road Traffic Safety	100
28		Industrial Instrumentation	100
29		Non-Conventional Energy Resources	100
30		Introduction to IOT	100
31		Intellectual Property Rights	100
32		Data Mining Lab	100
33		Internship (60 Hours)	100

**Consolidated Sheet**

<b>Course</b>	<b>Total courses</b>	<b>Percentage of syllabus changed</b>
<b>CSE B.Tech III Year</b>	<b>33</b>	<b>76.45</b>

**B. Course Relevance**

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Managerial Economics and Financial Analysis	18HS0812	Entrepreneurship
2	Compiler Design	18CS0514	Employability
3	Computer Networks	18CS0515	Employability
4	Design and Analysis of Algorithms	18CS0516	Employability
5	Python Programming	18CS0517	Employability
6	Analysis of Algorithms Lab	18CS0518	Skill Development
7	Python Programming Lab	18CS0519	Skill Development
8	Object Oriented Analysis and Design Lab	18CS0520	Skill Development
9	Aptitude Practices	18HS0842	Skill Development
10	Data Warehousing and Data Mining	18CS0521	Employability
11	Software Engineering	18CS0522	Employability
12	Web Technologies	18CS0523	Employability
13	Advanced Operating Systems (PEC-I)	18CS0531	Employability
14	Linux Programming (PEC-I)	18CS0532	Employability
15	Quantum Computing (PEC-I)	18CS0533	Employability
16	Elements of Road Traffic Safety (OE-I)	18CE0127	Skill Development
17	Industrial Instrumentation (OE-I)	18EE0234	Skill Development
18	Non-Conventional Energy Resources (OE-I)	18ME0307	Skill Development
19	Introduction to IOT (OE-I)	18EC0449	Skill Development
20	Intellectual Property Rights (OE-I)	18HS0814	Skill Development
21	Data Mining Lab	18CS0524	Skill Development
22	Web Technologies Lab	18CS0525	Skill Development
23	Internship (60 Hours)	18CS0526	Skill Development
24	English for Corporate Communication Skills Lab	18HS0859	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.



**Agenda: 3**

Approval of Course Structure and Syllabi for II year M.Tech - CSE under R19 Regulation.

**Resolution: 3**

After detailed discussion the BOS resolved to approve the syllabi for II year M.Tech I & II – Semesters under R19 Regulation (given in Annexure –IV).

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for II year has the following modifications, which are given in the below table.

**II M.Tech**

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Mobile Applications and Services		0
2	Compiler for HPC		0
3	Optimization Techniques		0
4	Business Analytics	Business Analytics	0
5	Industrial Safety	Industrial Safety	0
6	Operations Research	Advances in Operations Research	30
7	Cost Management of Engineering	Cost Management of Engineering Projects	2
8	Composite Materials	Composite Materials	0
9	Waste to Energy	Waste to Energy	0
10	Phase-I Dissertation-I /Industrial Project	Phase-I Dissertation-I /Industrial Project	0
11	Phase –II Dissertation II	Phase –II Dissertation II	0
12		Big Data Analytics	100
13		Distributed Databases	100
14		Advanced Operating Systems	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
CSE M.Tech II Year	14	30.18

**B. Course Relevance**

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Big Data Analytics	19CS5023	Employability
2	Distributed Databases	19CS5024	Employability
3	Advanced Operating Systems	19CS5025	Employability
4	Business Analytics	19HS0824	Skill Development
5	Industrial Safety	19ME3121	Skill Development
6	Advances in Operations Research	19ME3021	Skill Development
7	Cost Management of Engineering Projects	19CE1028	Skill Development
8	Composite Materials	19ME3022	Skill Development
9	Waste to Energy	19EE2128	Skill Development
10	Phase-I Dissertation-I /Industrial Project	19CS5008	Skill Development
11	Phase -II Dissertation II	19CS5009	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 4**

Approval of Syllabi for I and II year M.Tech - CSE under R20 Regulation.

**Resolution: 4**

After detailed discussion the BOS resolved to approve the syllabi for I and II year M.Tech under R20 Regulation (given in **Annexure -V**).

**A. Course & Syllabus Comparison**

With reference to the R19 regulations, the new regulation (R20) syllabus for I year and II year has the following modifications, which are given in the below table.

**I M.Tech**

S.No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Research Methodology and IPR	Research Methodology and IPR	8
2	Discrete Mathematics and Applications		0
3	Advanced Data Structures	Advanced Data Structures	0
4	Machine Learning	Machine Learning	0
5	Wireless Sensor Networks	Wireless Sensor Networks	0
6	Introduction to Intelligent Systems	Introduction to Intelligent Systems	0
7	Data Science	Data Science	0
8	Distributed Systems	Distributed Systems	0
9	Advanced Wireless and Mobile Networks	Advanced Wireless and Mobile Networks	0
10	Advanced Data Structures Lab	Advanced Data Structures Lab	0
11	Machine Learning Lab	Machine Learning Lab	0
12	English for Research Paper Writing	English for Research Paper Writing	0
13	Advanced Algorithms		0
14	Soft Computing	Soft Computing	0
15	Data Preparation and Analysis		0
16	Secure Software Design & Enterprise Computing		0
17	Computer Vision	Computer Vision	0
18	Human and Computer Interaction	Human Computer Interaction	0
19	GPU Computing	GPU Computing	0
20	Digital Forensics	Digital Forensics	0
21	Advanced Algorithms Lab		0

22	Soft Computing Lab	Soft Computing Lab	0
23	Mini Project	Mini Project	0
24	Constitution of India	Constitution of India	0
25		Python Programming	100
26		Software Engineering and Testing	100
27		Python Programming Lab	100
28		Grid and Cloud Computing	100
29		Cyber Security	100
30	Big Data Analytics	Big Data Analytics	0
31	Distributed Databases	Distributed Databases	0
32	Advanced Operating Systems	Advanced Operating Systems	0
33	Business Analytics	Business Analytics	0
34	Industrial Safety	Industrial Safety	0
35	Advances in Operations Research	Advances in Operations Research	0
36	Cost Management of Engineering Projects	Cost Management of Engineering Projects	4
37	Composite Materials	Composite Materials	0
38	Waste to Energy	Waste to Energy	0
39	Phase-I Dissertation-I /Industrial Project	Project Phase-I /Dissertation-I /Industrial Project	0
40	Phase –II Dissertation II	Project Phase –II/ Dissertation-II	0

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
<b>CSE M.Tech I and II Year</b>	<b>40</b>	<b>14.62</b>

2020 - 2021

## COMPUTER SCIENCE AND ENGINEERING

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

### **Agenda: 5**





Approval of panel of examiners and paper setters for II and III B.Tech. that comes under R19 & R18 respectively, II M.Tech and I and II M.Tech under R19 and R20 Regulations Respectively.

### **Resolution: 5**

Approved the panel of examiners and paper setters for II and III B.Tech. that comes under R19 & R18 respectively, and II M.Tech and I and II M.Tech under R19 and R20 Regulations (given in Annexure –VI) to be submitted to the college Academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with Vote of Thanks proposed by the Chairman-BOS.

**Members Present for BoS Meeting**

S. No	Member Name	Designation/ Organization	Role of BoS	Signature
1	Dr. B. Geethavani	Professor & HOD	Chairman	
2	Dr. P.M.S.S. Chandu	Professor	Member	
3	Dr. P. Santhosh Kumar	Professor	Member	
4	Mr. R. G. Kumar	Associate Professor	Member	
5	Mrs. G. Bhuvanewari	Assistant Professor	Member	
6	Dr. S. Jyothi	Professor, Dept. of Computer Science, Sri Padmavathi Mahila Visvavidyalayam, Tirupati. Ph: 94405 82187 Email: <a href="mailto:jyothi.spmvv@gmail.com">jyothi.spmvv@gmail.com</a>	Member	
7	Dr. S. Ramakrishna	Professor, Department of Computer Science, SVU, Tirupati. Contact No. 9441495972, Email: <a href="mailto:drsramakrishna@yahoo.com">drsramakrishna@yahoo.com</a>	Member	
8	Prof. P. Viswanath,	Professor, Indian Institute of Information Technology, Sri City, Chittoor Dist., Andhra Pradesh. Contact No. 7337324906, Email: <a href="mailto:viswanath.p@iiits.in">viswanath.p@iiits.in</a> , <a href="mailto:viswanath.pulabaigari@gmail.com">viswanath.pulabaigari@gmail.com</a>	Member	ABSENT
9	Mr. D. Sriram Deshpande	Senior Project Engineer, Smart Enovation India Limited, Bangalore, Karnataka. Contact No. 8861345177, 9960506473 Email: <a href="mailto:sriram.d@smartenovations.com">sriram.d@smartenovations.com</a> ; <a href="mailto:sriramdeshpande@gmail.com">sriramdeshpande@gmail.com</a>	Member	
10	Mr.C.Srikanth	Assistant Manager, Bank of Baroda, Chennai Contact NO. 9177728557 Email: <a href="mailto:srikanth.c87@gmail.com">srikanth.c87@gmail.com</a>	Member	ABSENT



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**Siddharth Nagar, Narayanavanam Road, Puttur -517583, Chittoor Dist., A.P, India  
Department of Computer Science and Engineering**

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**Minutes of 6<sup>th</sup> BoS Meeting of Computer Science and Engineering (CSE)**

Date: 19/01/2021

The 6<sup>th</sup> meeting of Board of Studies (BoS) in Computer Science and Engineering is held on 19<sup>th</sup> January, 2021 (Tuesday) at 10.30 A.M in the Department of Computer Science and Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist. through Zoom online because of Covid Pandemic situation.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. B.Geethavani, Chairman - BoS chaired the meeting and welcomed all the members to the sixth BoS meeting and discussed about the following agenda:

1. To discuss and frame the course structure & syllabi for I year B.Tech. under R20 Regulation as per APSCHE suggestions.
2. To prepare panel of examiners and paper setters for I B.Tech. under R20.
3. Any other item.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of I Year Course Structure and syllabi for B.Tech-CSE under R20 Regulation.

**Resolution: 1**

After detailed discussion the BOS resolved to approve the R20 Regulation, Course Structure and syllabi for I year B.Tech (given in **Annexure –I**) applicable from the A.Y.2020-2021.

After the thorough discussion, syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I-year B.Tech I & II- Semesters (given in **Annexure-II**)

**A. Course & Syllabus Comparison**

With reference to the R19 regulations, the new regulation (R20) syllabus for I year has the following modifications, which are given in the below table.

**I B.Tech**

S.No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Algebra and Calculus	Algebra and Calculus	30
2	Semiconductor Physics	Applied Physics	20
3	Engineering Graphics	Engineering Graphics	0
4	Semiconductor Physics Lab	Applied Physics Lab	0
5	Workshop Practices Lab	Workshop Practice Lab	0
6	Applied Chemistry	Applied Chemistry	20
7	Communicative English	Communicative English	0
8	Probability & Statistics	Probability & Statistics	0
9	Basic Electrical & Electronics Engineering	Basic Electronics Engineering	40
10	Digital Logic Design	Digital Logic Design	0
11	Applied Chemistry Lab	Applied Chemistry Lab	10
12	Communicative English Lab	Communicative English Lab	0
13		Principles of Electrical Engineering	100
14		C Programming and Data Structures	100



15		Basic Electrical and Electronics Engineering Lab	100
16		C Programming and Data Structures Lab	100
17		Indian Constitution	100

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSE B.Tech I Year	17	36.47

#### B. Course Relevance

The course that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Principles of Electrical Engineering	20EE0250	Skill Development
2	C Programming and Data Structures	20CS0501	Employability
3	Basic Electronics Engineering	20EC0445	Skill Development
4	Basic Electrical and Electronics Engineering Lab	20EE0252	Skill Development
5	C Programming and Data Structures Lab	20CS0502	Skill Development
6	Communicative English	20HS0810	Skill Development
7	Engineering Graphics	20ME0301	Skill Development
8	Digital Logic Design	20CS0503	Employability
9	Communicative English Lab	20HS0811	Skill Development
10	Workshop Practice Lab	20ME0302	Skill Development
11	Indian Constitution	20HS0816	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

#### Agenda:2

Approval of panel of examiners and paper setters for I B.Tech. under R20 Regulations.

#### Resolution: 2

Approved the panel of examiners and paper setters for I B.Tech. under R20 (given in **Annexure-II**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with Vote of Thanks proposed by the Chairman-BOS.

**Members Present for BoS Meeting**

S. No	Member Name	Designation/ Organization	Role of BoS	Signature
1	Dr. B. Geethavani	Professor & HOD	Chairman	
2	Dr. P.M.S.S. Chandu	Professor	Member	
3	Mr. R. G. Kumar	Associate Professor	Member	
4	Mr. P. Santhosh Kumar	Associate Professor	Member	
5	Mrs. G. Bhuvaneswari	Assistant Professor	Member	
6	Dr. S. Jyothi	Professor, Dept. of Computer Science, Sri Padmavathi Mahila Visvavidyalayam, Tirupati. Contact No. 94405 82187 Email: <a href="mailto:jyothi.spmvv@gmail.com">jyothi.spmvv@gmail.com</a>	Member	
7	Dr. S. Ramakrishna	Professor, Department of Computer Science, SVU, Tirupati. Contact No. 9441495972, Email: <a href="mailto:drsramakrishna@yahoo.com">drsramakrishna@yahoo.com</a>	Member	
8	Prof. P. Viswanath,	Professor, Indian Institute of Information Technology, Sri City, Chittoor Dist., Andhra Pradesh. Contact No. 7337324906, Email: <a href="mailto:viswanath.p@iiits.in">viswanath.p@iiits.in</a> , <a href="mailto:viswanath.pulabaigari@gmail.com">viswanath.pulabaigari@gmail.com</a>	Member	
9	Mr. D. Sriram Deshpande	Senior Project Engineer, Smart Enovation India Limited, Bangalore, Karnataka. Contact No. 8861345177, 9960506473 Email: <a href="mailto:sriram.d@smartenovations.com">sriram.d@smartenovations.com</a> ; <a href="mailto:sriramdeshpande@gmail.com">sriramdeshpande@gmail.com</a>	Member	
10	Mr.C.Srikanth	Assistant Manager, Bank of Baroda, Chennai Contact No. 9177728557 Email: <a href="mailto:srikanth.c87@gmail.com">srikanth.c87@gmail.com</a>	Member	ABSENT

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR  
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**1<sup>st</sup> BoS Meeting of Computer Science & Information Technology (CSIT)**

Date: 31/05/2017

The 1<sup>st</sup> meeting of Board of Studies (BoS) in Computer Science & Information Technology is held on 31<sup>st</sup> May 2017 (Wednesday) in the Department of Computer Science & Information Technology, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. P. Ramesh babu, Chairman - BoS chaired the meeting and welcomed all the members to the first BoS meeting and discussed about the following agenda:

**Agenda:**

1. Approval of course structure for I & II year UG in CSIT w.e.f., A.Y.2017-18.
2. Approval of syllabus for I & II year UG in CSIT w.e.f., A.Y.2017-18.
3. Approval of Panel of Question Paper setters.
4. Approval of Panel of Examiners.
5. Any other item.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:****Agenda: 1**

Approval of course structure for I & II year UG in CSIT w.e.f., A.Y.2017-18.

**Resolution: 1**

After the detailed discussion the BoS resolved to approve the course structure for I & II year UG in CSIT (given in **Annexure –I**) and is applicable from the A.Y. 2017-18.

**Agenda: 2**

Approval of syllabus for I & II year UG in CSIT w.e.f., A.Y.2017-18.

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabi framed for the I & II year of UG in CSIT (given in **Annexure –II**) and is applicable from the A.Y. 2017-18.

**Agenda: 3**

Approval of Panel of question paper setters.

**Resolution: 3**

Approved the panel of question paper setting (given in **Annexure –III**) to be submitted to the college academic council for approval.

**Agenda: 4**


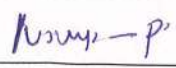
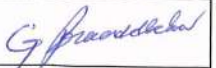

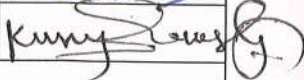





Approval of Panel of examiners.

**Resolution: 4**

Approved the panel of examiners prepared for valuation (given in **Annexure –IV**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of thanks proposed by the Chairman-BoS.

## Members Present

S. No	Member Name	Designation/ Organization	Role of BoS	Signature
1.	Mr. P. Ramesh Babu	Associate Professor & HOD-SIETK	Chairman	
2.	Mrs. P. Nirupama	Professor - SIETK	Member	
3.	Mr. G. Prasad Babu	Associate Professor - SIETK	Member	
4.	Mr. P. Balaji	Associate Professor - SIETK	Member	
5.	Mr. K.V.S.K. Prakash	Assistant Professor - SIETK	Member	
6.	Prof. Viswanath .P	Professor, Indian Institute of Information Technology, Sri City, Chittoor District, Andhra Pradesh. Contact No: 7337324906 Email: viswanath.p@iiits.in	Member	
7.	Dr. K. Madhavi	Associate Professor & ACE – 3, Department of Computer Science & Engineering, JNTUA, Ananthapuramu PIN-517002 Contact No: 9440206501 Email: kasamadhavi@yahoo.com	Member	
8.	Dr. C. Sudhakar	Associate Professor, Dept. of CSE, NIT – Warangal Contact No: 9840370425 Email: chapram@nitw.ac.in	Member	
9.	Dr. A. Rama Mohan Reddy	Professor, Department of Computer Science & Engineering, SVU College of Engineering, S.V. University, Tirupati – 517502. Contact No: 9849045025 Email: ramamohansvu@yahoo.com	Member	
10.	Mr. E. Prakash	Senior Consultant, Deloitte Consulting Private Limited, Bangalore. Contact No: 9840370425 Email: prakashstar118@yahoo.co.in	Member	

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR  
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**2<sup>nd</sup> BoS Meeting of Computer Science & Information Technology (CSIT)**

Date: 18/06/2018

The 2<sup>nd</sup> meeting of Board of Studies (BoS) in Computer Science & Information Technology is held on 18<sup>th</sup> June 2018 (Monday) in the Department of Computer Science & Information Technology, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. P. Ramesh babu, Chairman - BoS chaired the meeting and welcomed all the members to the Second BoS meeting and discussed about the following agenda:

**Agenda:**

1. Approval of course structure for I & II year UG in CSIT w.e.f.,A.Y. 2018-19.
2. Approval of syllabus for I & II year UG in CSIT w.e.f.,A.Y. 2018-19.
3. Approval of Panel of Question Paper setters.
4. Approval of Panel of Examiners.
5. Any other item.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:****Agenda: 1**

Approval of course structure for I & II year UG in CSIT w.e.f.,A.Y. 2018-19.

**Resolution: 1**

After the detailed discussion the course structure for I & II year UG in CSIT was approved (given in **Annexure –I**) and is applicable from the A.Y., 2018-19.

**Agenda: 2**

Approval of syllabus for I & II year UG in CSIT w.e.f.,A.Y. 2018-19.

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabi framed for the I and II year B.Tech I & II-Semesters (given in **Annexure-II**).

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for I<sup>st</sup> year and II<sup>nd</sup> year has the following modifications, which are given in the below table.

**I &II B.Tech**

S.No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Functional English	English	10
2	Engineering Mathematics- I	Mathematics-1	0
3	Engineering Chemistry	Chemistry	40
4	Computer Programming	Programming for Problem Solving	23.6
5	Engineering Graphics	Engineering Graphics & Design	0
6	English Language and Communication Skills Lab	English Lab	0
7	Engineering Chemistry Lab	Chemistry Lab	40
8	Computer Programming Lab	Programming for Problem	50

		Solving Lab	
9	Professional English		0
10	Engineering Mathematics-II	Mathematics-II	0
11	Engineering Physics	Semi-Conductor Physics	20
12	Human Values & Professional Ethics		0
13	Data Structures through C	Data Structures & Algorithms	11.8
14	Engineering Physics Lab	Physics Lab	0
15	Data Structures through C Lab	Data Structures & Algorithms Lab	6
16	Engineering & IT Workshop Lab	Workshop Practices Lab	0
17	Engineering Mathematics-III		0
18	Environmental Studies	Environmental Sciences	0
19	Advanced Data Structures through C++		0
20	Digital Logic Design	Digital Logic Design	0
21	Mathematical Foundations of Computer Science		0
22	Basic Electrical and Electronics Engineering	Basic Electrical Engineering	15
23	Advanced Data Structures through C++ Lab		0
25	Basic Electrical and Electronics Engineering Lab	Basic Electrical & Electronics Engineering Lab	0
26	Probability & Statistics	Probability & Statistics	0
27	Object Oriented Programming	Object Oriented Programming	10
28	Computer Organization	Computer Organization & Architecture	47.6
29	Database Management Systems	Database Management Systems	16.4
30	Fundamentals of Operating Systems	Fundamentals of Operating Systems	43.2
31	Object Oriented Programming Lab	Object Oriented Programming Lab	50
32	Database Management Systems Lab	Database Management Systems Lab	0
33	Fundamentals of Operating	Fundamentals of Operating	0



	Systems Lab	Systems Lab	
34	Ethical Hacking		0
35		Essence of Indian Traditional Knowledge	100
36		Analog Electronics Circuits	100
37		Formal Languages and Automata Theory	100
38		Indian Constitution	100
39		Discrete Mathematics	100
40		Biology for Engineers	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSIT B.Tech I&II Year	40	30.73

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Engineering Graphics & Design	18ME0302	Skill Development
2	English	18HS0810	Skill Development
3	English Lab	18HS0811	Skill Development
4	Workshop Practices Lab	18ME0301	Skill Development
5	Programming for Problem Solving	18CS0501	Skill Development
6	Digital Logic Design	18CS0502	Skill Development
7	Basic Electrical Engineering	18EE0239	Skill Development
8	Programming for Problem Solving Lab	18CS0503	Skill Development
9	Essence of Indian Traditional Knowledge	18HS0817	Skill Development
10	Probability & Statistics	18HS0835	Skill Development
11	Analog Electronics Circuits	18EC0443	Skill Development
12	Data Structures & Algorithms	18CS0504	Skill Development
13	Computer Organization & Architecture	18CS0505	Skill Development
14	Database Management Systems	18CS0506	Skill Development
15	Data Structures & Algorithms Lab	18CS0507	Skill Development
16	Database Management Systems Lab	18CS0508	Skill Development
17	Basic Electrical & Electronics Engineering	18EE0241	Skill Development

	Lab		
18	Indian Constitution	18HS0816	Skill Development
19	Discrete Mathematics	18HS0836	Skill Development
20	Formal Languages and Automata Theory	18CS0509	Skill Development
21	Fundamentals of Operating Systems	18CI0601	Skill Development
22	Biology for Engineers	18HS0803	Skill Development
23	Object Oriented Programming	18CS0511	Skill Development
24	Fundamentals of Operating Systems Lab	18CI0602	Skill Development
25	Object Oriented Programming Lab	18CS0513	Skill Development
26	Comprehensive Online Examination – I	COE-1	Skill Development
27	Environmental Sciences	18HS0804	Skill Development

As per the decisions taken in the meeting and considering the suggestions from the suggestions or feedback from the stakeholders for the above modifications in the curriculum.

**Agenda: 3**

Approval of Panel of question paper setters.

**Resolution: 3**

Approved the panel of question paper setting (given in **Annexure –III**) to be submitted to the college academic council for approval.

**Agenda: 4**


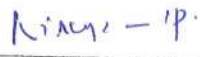








Approval of Panel of examiners.

**Resolution: 4**

Approved the panel of examiners prepared for valuation (given in **Annexure –IV**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of thanks proposed by the Chairman-BoS.

## Members Present

S. No	Member Name	Designation/ Organization	Role of BoS	Signature
1.	Mr. P. Ramesh Babu	Associate Professor & HOD-SIETK	Chairman	
2.	Mrs. P. Nirupama	Professor - SIETK	Member	
3.	Mr. G. Prasad Babu	Associate Professor - SIETK	Member	
4.	Mr. P. Balaji	Associate Professor - SIETK	Member	
5.	Mr. K.V.S.K. Prakash	Assistant Professor - SIETK	Member	
6.	Prof. Viswanath .P	Professor, Indian Institute of Information Technology, Sri City, Chittoor District, Andhra Pradesh. Contact No: 7337324906 Email: viswanath.n@iiits.in	Member	
7.	Dr. K. Madhavi	Associate Professor & ACE - 3, Department of Computer Science & Engineering, JNTUA, Ananthapuramu PIN-517002 Contact No: 9440206501 Email: kasamadhavi@yahoo.com	Member	
8.	Dr. C. Sudhakar	Associate Professor, Dept. of CSE, NIT - Warangal Contact No: 9840370425 Email: chapram@nitw.ac.in	Member	
9.	Dr. A. Rama Mohan Reddy	Professor, Department of Computer Science & Engineering, SVU College of Engineering, S.V. University, Tirupati - 517502. Contact No: 9849045025 Email: ramamohansvu@yahoo.com	Member	
10.	Mr. E. Prakash	Senior Consultant, Deloitte Consulting Private Limited, Bangalore. Contact No: 9840370425 Email: prakashstar118@yahoo.co.in	Member	

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**3<sup>rd</sup> BOS Computer Science & Information Technology (CSIT)**

Date: 27-12-2018

The 3<sup>rd</sup> meeting of Board of Studies (BoS) in Computer Science & Information Technology is held on 27<sup>th</sup> December, 2018 at 10:00 AM in the Department of Computer Science & Information Technology, Siddharth Institute of Engineering & Technology, Puttur, Chittoor – Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. P. Ramesh babu, Chairman BoS chaired the meeting and welcomed all the members to the third BoS meeting and discussed about the following agenda

**Agenda:**

1. Approval of course structure for III & IV year UG in CSIT w.e.f., A.Y.2019-20.
2. Approval of syllabus for III & IV year UG in CSIT w.e.f., A.Y.2019-20.
3. Approval of Panel of Question Paper setters.
4. Approval of Panel of Examiners.
5. Any other item

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:****Agenda: 1**

Approval of course structure for III & IV year UG in CSIT w.e.f., A.Y.2019-20.

**Resolution: 1**

After detailed discussion the BoS resolved to approve the course structure for III & IV year UG in CSIT (given in **Annexure –I**) applicable from the A.Y.2019-20.

**Agenda: 2**

Approval of syllabus for III & IV year UG in CSIT w.e.f., A.Y.2019-20.

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabi framed for the III and IV year B.Tech I & II-Semesters (given in **Annexure-II**)

**Agenda: 3**

Approval of Panel of Question Paper setters

**Resolution: 3**

Approved the panel of question paper setting (given in **Annexure –III**) to be submitted to the college academic council for approval.

**Agenda: 4**


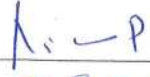








Approval of Panel of Examiners

**Resolution: 4**

Approved the panel of examiners prepared for valuation (given in **Annexure –IV**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of thanks proposed by the Chairman-BoS.

**Members Present**

S. No	Member Name	Designation/ Organization	Role of BoS	Signature
1.	Dr. P. Ramesh Babu	Professor & HOD-SIETK	Chairman	
2.	Mrs. P. Nirupama	Professor - SIETK	Member	
3.	Mr. G. Prasad Babu	Associate Professor - SIETK	Member	
4.	Mr. P. Balaji	Associate Professor - SIETK	Member	
5.	Mr. D. Sainath	Assistant Professor - SIETK	Member	
6.	Prof. Viswanath .P	Professor, Indian Institute of Information Technology, Sri City, Chittoor District, Andhra Pradesh. Contact No: 7337324906 Email: viswanath.p@iiits.in	Member	
7.	Dr. K. Madhavi	Associate Professor & ACE – 3, Department of Computer Science & Engineering, JNTUA, Ananthapuramu PIN-517002 Contact No: 9440206501 Email: kasamadhavi@yahoo.com	Member	
8.	Dr. C. Sudhakar	Associate Professor, Dept. of CSE, NIT – Warangal Contact No: 9840370425 Email: chapram@nitw.ac.in	Member	
9.	Dr. A. Rama Mohan Reddy	Professor, Department of Computer Science & Engineering, SVU College of Engineering, S.V. University, Tirupati – 517502. Contact No: 9849045025 Email: ramamohansvu@yahoo.com	Member	
10.	Mr. E. Prakash	Senior Consultant, Deloitte Consulting Private Limited, Bangalore. Contact No: 9840370425 Email: prakashstar118@yahoo.co.in	Member	

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**4<sup>th</sup> BoS Meeting of Computer Science & Information Technology (CSIT)**

Date: 14/08/2019

The 4<sup>th</sup> meeting of Board of Studies (BoS) in Computer Science & Information Technology is held on 14<sup>th</sup> August, 2019 (Wednesday) at 2.00 PM in the Department of Computer Science & Information Technology, Siddharth Institute of Engineering & Technology, Puttur, Chittoor – Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. P. Ramesh babu, Chairman - BoS chaired the meeting and welcomed all the members to the fourth BoS meeting and discussed about the following agenda:

1. Approval of course structure for I year UG in CSIT w.e.f., A.Y. 2019-2020.
2. Approval of syllabi for I year UG in CSIT w.e.f., A.Y.2019-2020.
3. Approval of Panel of Question Paper setters.
4. Approval of Panel of Examiners.
5. Any other item.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:****Agenda: 1**

Approval of course structure for I year UG in CSIT w.e.f.,A.Y.2019-2020.

**Resolution: 1**

After detailed discussion the BoS resolved to approve the course structure for I year UG (given in **Annexure –I**) applicable from the A.Y.2019-2020.

**Agenda: 2**

Approval of syllabi for I year UG in CSIT w.e.f., A.Y.2019-2020.

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabi framed for the I Year B.Tech I & II-Semesters (given in **Annexure-II**).

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for 1<sup>st</sup> year has the following modifications, which are given in the below table.

**I B.Tech**

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Mathematics-1	Algebra and Calculus	60
2	Chemistry	Applied Chemistry	40
3	Engineering Graphics & Design	Engineering Graphics	10
4	English	Communicative English	10
5	Chemistry Lab	Applied Chemistry Lab	0
6	English Lab	Communicative English Lab	0
7	Workshop Practices Lab	Workshop Practices Lab	0



8	Mathematics-II		0
9	Semi-Conductor Physics	Semiconductor Physics	0
10	Programming for Problem Solving		63
11	Digital Logic Design	Digital Logic Design	0
12	Basic Electrical Engineering	Basic Electrical & Electronics Engineering	20
13	Programming for Problem Solving Lab	C and Data Structures Lab	85.7
14	Physics Lab	Semiconductor Physics Lab	0
15	Essence of Indian Traditional Knowledge	Essence of Indian Traditional Knowledge	0
16		Python Programming	100
17		Python Programming Lab	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSIT B.Tech I Year	17	32.58

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Algebra and Calculus	19HS0830	Skill Development
2	Engineering Graphics	19ME0302	Skill Development
3	Python Programming	19CS0501	Skill Development
4	Python Programming Lab	19CS0502	Skill Development
5	Workshop Practices Lab	19ME0301	Skill Development
6	Probability & Statistics	19HS0835	Skill Development
7	Communicative English	19HS0810	Skill Development

8	Basic Electrical & Electronics Engineering	19EE0240	Skill Development
9	Digital Logic Design	19CS0503	Skill Development
10	Communicative English Lab	19HS0811	Skill Development
11	Essence of Indian Traditional Knowledge	19HS0817	Skill Development

As per the decisions taken in the meeting and considering the suggestions from the suggestions or feedback from the stakeholders for the above modifications in the curriculum.

**Agenda: 3**

Approval of Panel of question paper setters

**Resolution: 3**

Approved the panel of question paper setting (given in **Annexure –III**) to be submitted to the college academic council for approval.

**Agenda: 4**





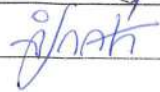



Approval of Panel of examiners

**Resolution: 4**

Approved the panel of examiners prepared for valuation (given in **Annexure –IV**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of thanks proposed by the Chairman-BoS.

## Members Present

S. No	Member Name	Designation/ Organization	Role of BoS	Signature
1.	Dr. P. Ramesh Babu	Professor & HOD-SIETK	Chairman	
2.	Dr. D. William Albert	Professor – SIETK	Member	
3.	Mr. P. Balaji	Associate Professor – SIETK	Member	
4.	Mrs. R. M. Mallika	Associate Professor – SIETK	Member	
5.	Mr. D. Sainath	Assistant Professor – SIETK	Member	
6.	Dr. D. Rajyalakshmi	Professor, Department of Computer Science & Engineering, JNTUK, Kakinada. Contact No.9618016555 E-mail : <a href="mailto:rajyalakshmi.cse@jntukucev.ac.in">rajyalakshmi.cse@jntukucev.ac.in</a>	Member	
7.	Dr. A. Rama Mohan Reddy	Professor, Department of Computer Science & Engineering, SVU College of Engineering, S.V. University, Tirupati – 517502. Contact No: 9849045025 Email: <a href="mailto:ramamohansvu@yahoo.com">ramamohansvu@yahoo.com</a>	Member	
8.	Dr. Ch. Sudhakar	Associate Professor, Dept. of CSE, NIT – Warangal Contact No: 9840370425 Email: <a href="mailto:chaprarn@nitw.ac.in">chaprarn@nitw.ac.in</a>	Member	
9.	Mr. D. Sriramdeshpande	Senior Project Engineer, Smart Enovation India Limited, Bangalore, Karnataka. Contact No. 8861345177, 9960506473 Email: <a href="mailto:sriram.d@smartenovations.com">sriram.d@smartenovations.com</a> <a href="mailto:sriramdeshpande@gmail.com">sriramdeshpande@gmail.com</a>	Member	ABSENT
10.	V. Arun kumar	Technical Lead, HCL Technologies, Chennai. Contact No. 9176932956, Email: <a href="mailto:arunkumar_v12@yahoo.co.in">arunkumar_v12@yahoo.co.in</a>	Member	ABSENT



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**5<sup>th</sup> BoS Meeting of Computer Science & Information Technology (CSIT)**

Date: 28/08/2020

The 5<sup>th</sup> meeting of Board of Studies (BoS) in Computer Science & Information Technology is held on 28<sup>th</sup> August, 2020 (Friday) at 10.00 AM in online through ZOOM App.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. P. Ramesh babu, Chairman - BoS chaired the meeting and welcomed all the members to the 5<sup>th</sup> BoS meeting and discussed about the following agenda:

1. To discuss and frame the syllabi for II year B.Tech under R19 Regulation.
2. To discuss and frame the syllabi for III year B.Tech under R18 Regulation.
3. To prepare panel of examiners and paper setters for II and III B.Tech that comes under R19 & R18 respectively.
4. Any other item.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:****Agenda: 1**

To discuss and frame the syllabi for II year B.Tech under R19 Regulation.

**Resolution:1**

After the thorough discussion, syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabi framed for the II-year B.Tech I & II- Semesters (given in **Annexure-I**)

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for II<sup>nd</sup> year has the following modifications, which are given in the below table.

**II B.Tech**

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Probability & Statistics		0
2	Analog Electronics Circuits		0
3	Data Structures & Algorithms	C and Data Structures	60
4	Computer Organization & Architecture	Computer Organization & Architecture	0
5	Database Management Systems	Database Management Systems	21.6
6	Data Structures & Algorithms Lab	C and Data Structures Lab	95
7	Database Management Systems Lab	Database Management Systems Lab	100
8	Basic Electrical & Electronics Engineering Lab		0
9	Indian Constitution	Indian Constitution	0
10	Discrete Mathematics	Discrete Mathematics	20

11	Formal Languages and Automata Theory	Formal Languages and Automata Theory	0
12	Fundamentals of Operating Systems	Principles of Operating Systems	5.2
13	Biology for Engineers		0
14	Object Oriented Programming	Object Oriented Programming through Java	28
15	Fundamentals of Operating Systems Lab	Principles of Operating Systems Lab	27
16	Object Oriented Programming Lab	Object Oriented Programming through Java Lab	0
17	Environmental Sciences	Environmental Science	0
18		Microprocessors & Microcontrollers	100
19		Water Technology	100
20		Generation of Energy Through Waste	100
21		Fundamentals of Mechanical Engineering	100
22		Introduction to Communication Systems	100
23		Management Science	100
24		Microcontroller and Applications Lab	100
25		Fundamentals of Urban Planning	100
26		Industrial Instrumentation	100
27		Mechanical Measurements & Control Systems	100
28		Elements of Embedded Systems	100
29		Intellectual Property Rights	100
30		Object oriented Analysis and design lab	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSIT B.Tech II Year	30	63.72

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Microprocessors & Microcontrollers	19EC0421	Skill Development
2	Computer Organization & Architecture	19CS0504	Skill Development
3	C and Data Structures	19CS0505	Skill Development
4	Database Management Systems	19CS0506	Skill Development
5	Water Technology	19CE0136	Skill Development
6	Generation of Energy Through Waste	19EE0238	Skill Development
7	Fundamentals of Mechanical Engineering	19ME0349	Skill Development
8	Introduction to Communication Systems	19EC0448	Skill Development
9	Management Science	19HS0813	Entrepreneurship
10	Microcontroller and Applications Lab	19EC0424	Skill Development
11	C and Data Structures Lab	19CS0507	Skill Development
12	Database Management Systems Lab	19CS0508	Skill Development
13	Indian Constitution	19HS0816	Skill Development
14	Discrete Mathematics	19HS0836	Skill Development
15	Formal Languages and Automata Theory	19CS0509	Skill Development
16	Object Oriented Programming through Java	19CS0510	Skill Development
17	Principles of Operating Systems	19CI0601	Skill Development
18	Fundamentals of Urban Planning	19CE0143	Skill Development
19	Industrial Instrumentation	19EE0233	Employability
20	Mechanical Measurements & Control Systems	19ME0350	Skill Development
21	Elements of Embedded Systems	19EC0449	Skill Development
22	Intellectual Property Rights	19HS0814	Skill Development
23	Object Oriented Programming through Java Lab	19CS0512	Skill Development
24	Principles of Operating Systems Lab	19CI0602	Skill Development
25	Object oriented Analysis and design lab	19CS0514	Skill Development
26	Environmental Science	19HS0805	Skill Development

As per the decisions taken in the meeting and considering the suggestions from the suggestions or feedback from the stakeholders for the above modifications in the curriculum.

**Agenda: 2**

To discuss and frame the syllabi for III year B.Tech under R18 Regulation.

**Resolution:2**

After the thorough discussion, syllabus was framed to make the students acquire the required technical knowledge and skills. The BoS resolved to approve the syllabi framed for the III-year B.Tech I & II- Semesters (given in **Annexure-II**)

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for III<sup>rd</sup> year has the following modifications, which are given in the below table.

**III B.Tech**

S.No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Computer Networks	Computer Networks	22
2	Formal Languages and Automata Theory		0
3	Python & R Programming	Python Programming	21.8
4	Data Warehousing and Data Mining	Data Warehousing and Data Mining	8
5	Managerial Economics and Financial Analysis	Managerial Economics and Financial Analysis	0
6	Design and Analysis of Algorithms	Design and Analysis of Algorithms	6.2
7	Computer Networks Lab		0
8	Data Mining, Python & R programming Lab	Python Programming Lab,	100
9	Data Mining, Python & R programming Lab	Data Mining Lab	0
10	Computer Graphics & Animation		0



11	Compiler Design	Compiler Design	42
12	Software Engineering & Testing	Software Engineering & Testing	85.2
13	Object Oriented Analysis and Design		0
14	Linux programming	Linux Programming	100
15	Software Testing and CASE tools Lab	Software Engineering & Testing Lab	100
16	Linux programming Lab		0
17	Advanced English Language and Communication Skills Lab		0
18		English for Corporate Communication Skills Lab	100
19		Analysis of Algorithms Lab	100
20		Web Technologies	100
21		Advanced Operating Systems	100
22		Internetworking with TCP/IP	100
23		Elements of Road Traffic Safety	100
24		Industrial Instrumentation	100
25		Non-Conventional Energy Resources	100
26		Introduction to IOT	100
27		Intellectual Property Rights	100
28		Web Technologies Lab	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSIT B.Tech III Year	28	72.05

**B. Course Relevance**

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

<b>Sno</b>	<b>Course Title</b>	<b>Course Code</b>	<b>Relevance</b>
1	Managerial Economics and Financial Analysis	18HS0812	Entrepreneurship
2	Computer Networks	18CS0515	Skill Development
3	Design and Analysis of Algorithms	18CS0516	Skill Development
4	Python Programming	18CS0517	Skill Development
5	Software Engineering & Testing	18CI0603	Skill Development
6	Analysis of Algorithms Lab	18CS0518	Skill Development
7	Python Programming Lab	18CS0519	Skill Development
8	Software Engineering & Testing Lab	18CI0604	Skill Development
9	Aptitude Practices	18HS0842	Employability
10	Compiler Design	18CS0514	Skill Development
11	Data Warehousing and Data Mining	18CS0521	Skill Development
12	Web Technologies	18CS0523	Skill Development
13	Advanced Operating Systems	18CS0531	Skill Development
14	Linux Programming	18CS0532	Skill Development
15	Internetworking with TCP/IP	18CI0610	Skill Development
16	Elements of Road Traffic Safety	18CE0127	Skill Development
17	Industrial Instrumentation	18EE0234	Employability
18	Non-Conventional Energy Resources	18ME0307	Skill Development
19	Introduction to IOT	18EC0449	Skill Development
20	Intellectual Property Rights	18HS0814	Skill Development

21	Data Mining Lab	18CS0524	Skill Development
22	Web Technologies Lab	18CS0525	Skill Development
23	Mini Project	18CI0605	Entrepreneurship
24	Comprehensive Online Examination-II	COE-II	Skill Development

As per the decisions taken in the meeting and considering the suggestions from the suggestions or feedback from the stakeholders for the above modifications in the curriculum.

**Agenda: 3**


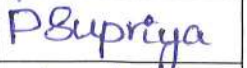



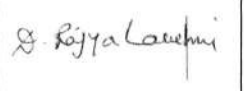



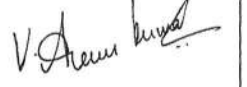
Approval of panel of examiners and paper setters for II and III B.Tech that comes under R19 & R18 respectively.

**Resolution:3**

Approved the panel of examiners and paper setters for II and III B.Tech that comes under R19 & R18 respectively (given in **Annexure –III**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of Thanks proposed by the Chairman-BoS.

### Members Present

S. No	Member Name	Designation/ Organization	Role of BoS	Signature
1.	Dr. P. Ramesh Babu	Professor & HOD-SIETK	Chairman	
2.	Mrs. P. Supriya	Associate Professor – SIETK	Member	
3.	Mr. D. Sainath	Associate Professor – SIETK	Member	
4.	Ms. N. Poornima	Assistant Professor – SIETK	Member	
5.	Mr. G. Venkatesh	Assistant Professor – SIETK	Member	
6.	Dr. D. Rajyalakshmi	Professor, Department of Computer Science & Engineering, JNTUK, Kakinada. Contact No.9618016555 E-mail : <a href="mailto:rajyalakshmi.cse@jntukucev.ac.in">rajyalakshmi.cse@jntukucev.ac.in</a>	Member	
7.	Dr. A. Rama Mohan Reddy	Professor, Department of Computer Science & Engineering, SVU College of Engineering, S.V. University, Tirupati – 517502. Contact No: 9849045025 Email: <a href="mailto:ramamohansvu@yahoo.com">ramamohansvu@yahoo.com</a>	Member	
8.	Dr. Ch. Sudhakar	Associate Professor, Dept. of CSE, NIT – Warangal Contact No: 9840370425 Email: <a href="mailto:chapram@nitw.ac.in">chapram@nitw.ac.in</a>	Member	
9.	Mr. D. Sriramdeshpande	Senior Project Engineer, Smart Enovation India Limited, Bangalore, Karnataka. Contact No. 8861345177, 9960506473 Email: <a href="mailto:sriram.d@smartenovations.co">sriram.d@smartenovations.co</a> <a href="mailto:msriramdeshpande@gmail.com">msriramdeshpande@gmail.com</a>	Member	
10.	V. Arun kumar	Technical Lead, HCL Technologies, Chennai. Contact No. 9176932956, Email: <a href="mailto:arunkumar_v12@yahoo.co.in">arunkumar_v12@yahoo.co.in</a>	Member	



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**6<sup>th</sup> BoS Meeting of Computer Science & Information Technology (CSIT)**

Date: 19/01/2021

The 6<sup>th</sup> meeting of Board of Studies (BoS) in Computer Science & Information Technology is held on 19<sup>th</sup> January, 2021 (Tuesday) at 10.30 AM in online through ZOOM App.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. P. Ramesh babu, Chairman - BoS chaired the meeting and welcomed all the members to the 6<sup>th</sup> BoS meeting and discussed about the following agenda:

1. To discuss and frame the course structure & syllabi for I year B.Tech under R20 Regulation as per APSCHE suggestions.
2. To prepare panel of examiners and paper setters for I B.Tech that comes under R20.
3. Any other item.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:****Agenda: 1**

To discuss and frame the course structure & syllabi for I year B.Tech under R20 Regulation as per APSCHE suggestions.

**Resolution: 1**

After the thorough discussion, syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the R20 Regulation, Course Structure and syllabi for I year B.Tech (given in **Annexure –I**) applicable from the A.Y.2020-2021.

**A. Course & Syllabus Comparison**

With reference to the R19 regulations, the new regulation (R20) syllabus for I<sup>st</sup> year has the following modifications, which are given in the below table.

**I B.Tech**

S.No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Algebra and Calculus	Algebra and Calculus	30
2	Semiconductor Physics	Applied Physics	20
3	Basic Electrical & Electronics Engineering	Principles of Electrical Engineering	20
4	C and Data Structures	C Programming and Data Structures	0
5	Basic Electrical & Electronics Engineering	Basic Electronics Engineering	40
6	Probability & Statistics	Probability & Statistics	0
7	Applied Chemistry	Applied Chemistry	20
8	Communicative English	Communicative English	0
9	Engineering Graphics	Engineering Graphics	0
10	Digital Logic Design	Digital Logic Design	0
11	Python Programming		
12	Semiconductor Physics Lab	Applied Physics Lab	0
13		Basic Electrical and Electronics Engineering Lab	100

14	C and Data Structures Lab	C Programming and Data Structures Lab	12.5
15	Applied Chemistry Lab	Applied Chemistry Lab	10
16	Communicative English Lab	Communicative English Lab	0
17	Workshop Practices Lab	Workshop Practice Lab	0
18	Python Programming Lab		0

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSIT B.Tech I Year	18	15.78125

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Principles of Electrical Engineering	20EE0250	Skill Development
2	C Programming and Data Structures	20CS0501	Skill Development
3	Basic Electronics Engineering	20EC0445	Skill Development
4	Basic Electrical and Electronics Engineering Lab	20EE0252	Skill Development
5	C Programming and Data Structures Lab	20CS0502	Skill Development
6	Communicative English	20HS0810	Skill Development
7	Engineering Graphics	20ME0301	Skill Development
8	Digital Logic Design	20CS0503	Skill Development
9	Communicative English Lab	20HS0811	Skill Development
10	Workshop Practice Lab	20ME0302	Skill Development
11	Indian Constitution	20HS0816	Skill Development

As per the decisions taken in the meeting and considering the suggestions from the suggestions or feedback from the stakeholders for the above modifications in the curriculum.

### Agenda: 2

To prepare panel of examiners and paper setters for I B.Tech that comes under R20.

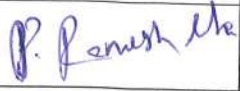
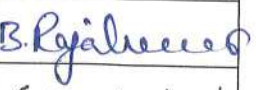


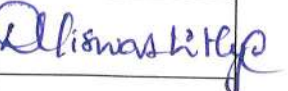



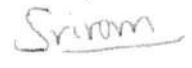
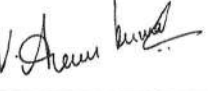
**Resolution: 2**

Approved the panel of examiners and paper setters for I B.Tech that comes under R20 (given in **Annexure –II**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of thanks proposed by the Chairman-BoS.



## Members Present

S. No	Member Name	Designation/ Organization	Role of BoS	Signature
1.	Dr. P. Ramesh Babu	Professor & HOD-SIETK	Chairman	
2.	Mr. B. Rajakumar	Assistant Professor – SIETK	Member	
3.	Mr. G. Venkatesh	Associate Professor – SIETK	Member	
4.	Ms. N. Poornima	Assistant Professor – SIETK	Member	
5.	Mrs. D. Viswasahitya	Assistant Professor – SIETK	Member	
6.	Dr. D. Rajyalakshmi	Professor, Department of Computer Science & Engineering, JNTUK, Kakinada. Contact No.9618016555 E-mail : <a href="mailto:rajyalakshmi.cse@jntukucev.ac.in">rajyalakshmi.cse@jntukucev.ac.in</a>	Member	
7.	Dr. A. Rama Mohan Reddy	Professor, Department of Computer Science & Engineering, SVU College of Engineering, S.V. University, Tirupati – 517502. Contact No: 9849045025 Email: <a href="mailto:ramamohansvu@yahoo.com">ramamohansvu@yahoo.com</a>	Member	
8.	Dr. Ch. Sudhakar	Associate Professor, Dept. of CSE, NIT – Warangal Contact No: 9840370425 Email: <a href="mailto:chagram@nitw.ac.in">chagram@nitw.ac.in</a>	Member	
9.	Mr. D. Sriramdeshpande	Senior Project Engineer, Smart Enovation India Limited, Bangalore, Karnataka. Contact No. 8861345177, 9960506473 Email: <a href="mailto:sriram.d@smartenovations.co">sriram.d@smartenovations.co</a> <a href="mailto:msriramdeshpande@gmail.com">msriramdeshpande@gmail.com</a>	Member	
10.	V. Arun kumar	Technical Lead, HCL Technologies, Chennai. Contact No. 9176932956, Email: <a href="mailto:arunkumar_v12@yahoo.co.in">arunkumar_v12@yahoo.co.in</a>	Member	

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**1<sup>ST</sup> BOS Meetings of Agricultural Engineering (AGE)**

Date: 11-06-2017

The 1<sup>st</sup> meeting of Board of Studies (BOS) in Agricultural Engineering is held on 11<sup>th</sup> June, 2017 in the Department of Agricultural Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor -Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Mr. Y. Guru Prasad, Chairman BOS chaired the meeting and welcomed all the members to the first BOS meeting and discussed about the following agenda

**Agenda:**

1. Approval of course structure for UG in AG w.e.f., A.Y.2017-18.
2. Approval of syllabus for I & II year UG in AG w.e.f., A.Y.2017-18.
3. Approval of Panel of Question Paper setters.
4. Approval of Panel of Examiners.
5. Any other item

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for UG in AG w.e.f., A.Y.2017-18.

**Resolution: 1**

After detailed discussion, the BOS resolved to approve the course structure for I & II year UG (given in **Annexure -I**) applicable from the A.Y.2017-18.

**Agenda: 2**

Approval of syllabus for I & II year UG in AG w.e.f., A.Y.2017-18.

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I and II-year B. Tech I & II-Semesters (given in **Annexure-II**).

**Course Relevance**

The courses that come under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Engineering Graphics	16ME302	Skill Development
2	Engineering & IT Workshop Lab	16ME301	Skill Development
3	Professional English	16HS610	Skill Development
4	English Language and Communication Skills Lab	16HS607	Skill Development
5	Human Values and Professional Ethics	16HS606	Skill Development
6	Functional English	16HS601	Skill Development
7	Computer Programming Lab	16CS502	Skill Development
8	Computer Programming	16CS501	Skill Development
9	Tractor and Automotive Engines	16ME345	Employability
10	Theory of Machines	16ME344	Employability
11	Comprehensive Soft Skills	16HS614	Skill Development
12	Data Structures Through C	16CS503	Skill Development
13	Surveying Lab	16CE157	Employability
14	Hydrology	16CE156	Employability
15	Fluid Mechanics & Hydraulic Machinery Lab	16CE116	Employability
16	Fluid Mechanics & Hydraulic Machinery	16CE112	Employability

17	Surveying	16CE105	Employability
18	Agricultural Process Engineering	16AG704	Employability
19	Agronomy and Soil Science Lab	16AG703	Employability
20	Principles of Agronomy and Soil Science	16AG702	Employability
21	Engineering Properties of Biological Materials	16AG701	Employability

**Agenda: 3**

Approval of Panel of question paper setters

**Resolution: 3**

Approved the panel of question paper setters (given in **Annexure -III**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS.

**Agenda: 4**

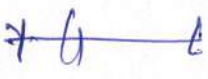



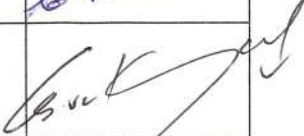
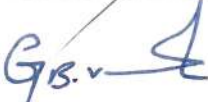



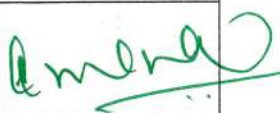

Approval of Panel of examiners

**Resolution: 4**

Approved the panel of examiners prepared for valuation (given in **Annexure -IV**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.

## Members Present

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Mr. Y. Guru Prasad	Associate Professor & H.O.D. – SIETK	Chairman	
2	Dr. K. Chandrasekhar Reddy	Professor of Civil Engineering & Principal – SIETK	Member	
3	Dr.S.Sunil Kumar Reddy	Professor- SIETK Mechanical Engineering	Member	
4	Dr.C.Prabhu Rama Krishna	Professor- SIETK Mechanical Engineering	Member	
5	Mr. C. Siva Kumar Prasad	Associate Professor – SIETK Civil Engineering	Member	
6	Mr. Vinodh Kumar Balaji	Assistant Professor- SIETK Civil Engineering	Member	
7	Mr. M. Pratap Reddy	Assistant Professor- SIETK Civil Engineering	Member	
8	Dr. S. Kaleemullah	Associate Dean, College of Food Science & Technology, Pulivendula, Kadapa..	Member	
9	Dr. B. Sreenivasula Reddy	Assistant Professor, Department of Agricultural Engineering, SV Agricultural College, ANGRAU,	Member	
10	Dr. C. Ramana	Associate Dean & University Head(FMP), College of Agricultural Engineering,	Member	
11	Mrs. K. Lakshmi Devi	Mandal Agricultural Officer, Puttur	Member	

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**2<sup>nd</sup> BOS Meeting of Agricultural Engineering (AG ENGG)**

Date: 18-06-2018

The 2<sup>nd</sup> meeting of Board of Studies (BOS) in Agricultural Engineering is held on 18 June, 2018 at 02.00 PM in the Department of Agricultural Engineering, Siddharth Institute of Engineering and Technology, Puttur, Chittoor – Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Mr. Y. Guru Prasad, Chairman BOS chaired the meeting and welcomed all the members to the second BOS meeting and discussed about the following agenda

**Agenda:**

1. Approval of course structure for I & II year in Agricultural Engineering w.e.f., A.Y.2018-19.
2. Approval of syllabus for I & II year UG in Agricultural Engineering w.e.f., A.Y.2018-19.
3. Approval of panel of Question paper setters.
4. Approval of panel of Examiners.
5. Any other item

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for I & II- year UG in Agricultural Engineering w.e.f., A.Y. 2018-19

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for I & II- year UG (Agricultural Engineering) (Given in **Annexure-I**) applicable from the A.Y.2018-19.

**Agenda: 2**

Approval of syllabi for I & II-year UG in Agricultural Engineering w.e.f., A.Y.2018-19

**Resolution: 2**

After the thorough discussion, syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I & II- year B.Tech I & II- Semesters (given in **Annexure-II**) .

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for I & II year has the following modifications, which are given in the below table.

**I B.Tech**

S. No	R16	R18	Percentage of syllabus content changed
1	Functional English	English	0
2	Engineering Mathematics-I	Mathematics – I	0
3	Engineering Physics	Physics	20
4	Computer Programming	Programming for problem solving	24
5	Engineering Physics Lab	Physics Lab	0
6	Computer Programming Lab	Programming for problem solving Lab	24
7	Engineering & IT Workshop Lab	Workshop practice lab	0
8	Engineering Mathematics-II	Mathematics – II	0
9	Engineering Chemistry	Chemistry	40

10	Engineering Graphics	Engineering Graphics & Design	0
11	Engineering Mechanics	Engineering Mechanics	20
12	English Language and Communication Skills Lab	English Lab	0
13	Engineering Chemistry Lab	Chemistry Lab	40
14	Basic Electrical & Electronics Engineering	Basic Electrical and Electronics Engineering	0
15		India Constitution	100
16		Induction Program (3 weeks)	100

## II B.Tech

S. No	R16	R18	Percentage of syllabus content changed
1	Engineering Mathematics-III	Transform & Discrete Mathematics	0
2	Strength of Materials	Strength of Materials	0
3	Fluid Mechanics & Hydraulic Machinery	Introduction to Fluid Mechanics	0
4	Soil Science & Mechanics	Soil Mechanics	20
5	Strength of Materials / Soil Mechanics Lab	Soil Mechanics Lab	0
6	Fluid Mechanics & Hydraulic Machinery Lab	Fluid Mechanics Lab	0
7	Principles of Agronomy and Soil Science	Principles of Soil Science	60
8	Hydrology	Hydrology, Ground Water & Well Engineering	100
9	Surveying	Surveying & Geomatics	0
10	Surveying Lab	Surveying Lab – I	0
11	Agronomy and Soil Science Lab	Principles of Soil Science Lab	50
12	Comprehensive Online Examination-I	Comprehensive Online Examination-I	0
13		Biology for Engineers	100
14		Principles of Agricultural Engineering	100
15		Solid Mechanics Lab	100
16		Computer Aided Building Drawing	100
17		Mechanical Engineering	100
18		Essence of Indian Traditional Knowledge	100



## Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
AGE B.Tech I Year	16	23
AGE B.Tech II Year	18	46.11
<b>Total</b>	<b>34</b>	<b>35.23</b>

**B. Course Relevance**

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Thermodynamics & Heat Engines	18ME0350	Employability
2	Mechanical Engineering	18ME0346	Employability
3	Engineering Graphics & Design	18ME0302	Skill Development
4	Workshop practice lab	18ME0301	Skill Development
5	English Lab	18HS0811	Skill Development
6	English	18HS0810	Employability
7	Biology for Engineers	18HS0803	Skill Development
8	Programming for problem solving Lab	18CS0503	Skill Development
9	Programming for problem solving	18CS0501	Employability
10	Surveying Lab – I	18CE0113	Employability
11	Surveying & Geomatics	18CE0109	Skill Development
12	Computer Aided Building Drawing	18CE0107	Employability
13	Fluid Mechanics Lab	18CE0106	Employability
14	Solid Mechanics Lab	18CE0105	Employability
15	Introduction to Fluid Mechanics	18CE0104	Employability
16	Principles of Soil Science Lab	18AG0704	Employability
17	Hydrology, Ground Water & Well Engineering	18AG0703	Employability
18	Principles of Soil Science	18AG0702	Employability
19	Principles of Agricultural Engineering	18AG0701	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of panel of question paper setter's w.e.f., 2018-19

**Resolution: 3**

Approval the panel question paper setting (given in **Annexure – III**) to be submitted to the college academic council for approval.

The above were discussed, debated and the necessary approval as accorded by the BOS



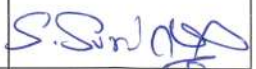

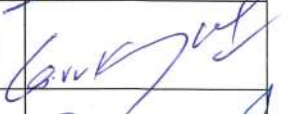
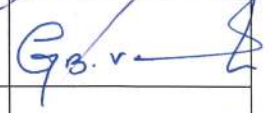
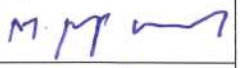




**Agenda: 4**

Approval of panel of Examiners

**Resolution: 4**

Approval the panel of examiners prepared for valuation (given in **Annexure – IV**) to be submitted to the college academic council for approval. The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by chairman, BOS.

## Members Present

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Mr. Y. Guru Prasad	Associate Professor & H.O.D. – SIETK	Chairman	
2	Dr. K. Chandrasekhar Reddy	Professor & Principal – SIETK	Member	
3	Dr. S Sunil Kumar Reddy	Professor & Head Mechanical Engineering -SIETK	Member	
4	Dr. C. Prabhu Rama Krishna	Professor-SIETK Mechanical Engineering	Member	
5	Mr. C. Siva Kumar Prasad	Associate Professor & Head Civil Engineering – SIETK	Member	
6	Mr. Vinod Kumar Balaji	Assistant Professor- SIETK Civil Engineering	Member	
7	Mr. M. Pratap Reddy	Assistant Professor- SIETK Civil Engineering	Member	
8	Dr.S. Kaleemullah	Associate Dean, College of Food Science & Technology, Pulivendula, Kadapa, Andhra Pradesh.	Member	
9	Dr. B. Sreenivasula Reddy	Scientist and Head Post-harvest Engineering and Technology Centre Regional Agricultural Research Station S.V. Agricultural College Campus (Acharya N.G. Ranga Agricultural University) Tirupati-517502 Chittoor Dt. Andhra Pradesh	Member	 18/6/18
10	Dr. C. Ramana	Associate Dean & University Head (FMP), College of Agricultural Engineering, ANGRAU Madakasira, Anantapuram.	Member	
11	Mrs. Lakshmi Devi	Mandal Agricultural officer, Puttur, Chittoor Dt.	Member	 18/6/18

**SDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR****(AUTONOMOUS)**

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**3<sup>rd</sup> BOS Meetings of Agricultural Engineering (AG ENGG)**

Date: 26-12-2018

The 3<sup>rd</sup> meeting of Board of Studies (BOS) in Agricultural Engineering is held on 26<sup>th</sup> December, 2018 at 10.00 AM in the Department of Agricultural Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor-Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Mrs. Ch. Wagdevi, Chairman BOS chaired the meeting and welcomed all the members to the third BOS meeting and discussed about the following agenda.

**Agenda:**

1. Approval of course structure for III & IV year in Agricultural Engineering w.e.f., A.Y.2019-20.
2. Approval of syllabus for III & IV year UG in Agricultural Engineering w.e.f., A.Y.2019-20.
3. Approval of Panel of Question Paper setters.
4. Approval of Panel of Examiners.
5. Any other item

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for III & IV-year UG in Agricultural Engineering w.e.f., A.Y.2019-20.

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for III & IV year UG (Agricultural Engineering) (Given in **Annexure -I**) applicable from the A.Y. 2019-20.

**Agenda: 2**

Approval of syllabus for III & IV-year UG in Agricultural Engineering w.e.f., A.Y. 2019-20.

**Resolution: 2**

After the thorough discussion, syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the III and IV-year B. Tech I & II-Semesters (given in **Annexure-II**).

S.No	Course Title	Course Code	Relevance
1	Heat and Mass Transfer	16ME343	Employability
2	Computer Aided Engineering Lab	16ME331	Skill Development
3	Engineering Thermodynamics	16ME307	Employability
4	Aptitude Practice-II	16HS617	Skill Development
5	Aptitude Practice-I	16HS616	Skill Development
6	Workshop Technology Lab	16AG715	Skill Development
7	Farm Machinery and Renewable Energy Resources Lab	16AG714	Employability
8	Tractor Systems and Control	16AG713	Employability
9	Farm Machinery and Renewable Energy Resources	16AG712	Employability
10	Agro Industry and Bi-Product Utilization	16AG711	Employability
11	Irrigation and Drainage Engineering Lab	16AG710	Employability
12	Soil and Water Conservation Engineering Lab	16AG709	Employability
13	Design of Agricultural Machinery	16AG708	Employability
14	Farm Machinery and Equipment-I	16AG707	Employability
15	Irrigation and Drainage Engineering	16AG706	Employability
16	Soil and Water Conservation Engineering	16AG705	Employability

17	Refrigeration and Air Conditioning	16ME325	Employability
18	Thermal Engineering Lab	16ME317	Employability
19	Non-Conventional Energy Resources	16ME313	Employability
20	Entrepreneurship Development	16MB751	Entrepreneurship
21	Managerial Economics and Financial Analysis	16MB750	Entrepreneurship
22	Intellectual property Rights	16MB732	Skill Development
23	Neural Networks & Fuzzy Logic	16EE239	Skill Development
24	Mat lab Programming	16EC443	Skill Development
25	Data Base Management Systems	16CS511	Skill Development
26	Elements of Road Traffic Safety	16CE145	Skill Development
27	Water Resources Systems Planning & Management	16AG725	Employability
28	Operations Research	16AG724	Entrepreneurship
29	Ground Water Hydrology-Wells and Pumps	16AG723	Employability
30	Food Processing Plant Design and Layout	16AG722	Employability
31	Field Operation and Maintenance of Tractors and Farm Machinery Lab	16AG721	Employability
32	Remote Sensing and GIS Application	16AG720	Skill Development
33	Tractor Design and Testing	16AG719	Employability
34	Micro Irrigation Engineering	16AG718	Employability
35	Greenhouse Technology	16AG717	Employability
36	Dairy and Food Engineering	16AG716	Employability

**Agenda: 3**

Approval of Panel of question paper setters w.e.f., 2019-20

**Resolution: 3**

Approved the panel of question paper setting (given in **Annexure -III**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS.

**Agenda: 4**

Approval of Panel of examiners

**Resolution: 4**

Approval the panel of examiners prepared for valuation (given in **Annexure -IV**) to be submitted to the college academic council for approval. The above items were discussed, debated and the

necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by chairman, BOS.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR**

**Department of Agricultural Engineering**

**Composition of Board of studies**

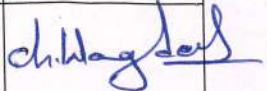

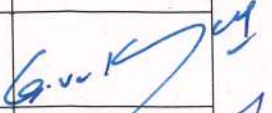


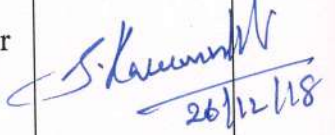

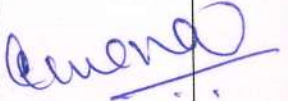
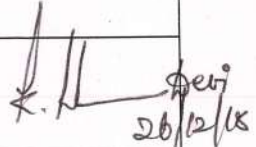
S. No.	Name of the Member	Academic/Industry Position	Designation	Category of Nomination
1	Mrs. Ch. Wagdevi	Assistant Professor & H.O.D. – SIETK	Chairman	Head of the Department
2	Dr. K. Chandrasekhar Reddy	Professor & Principal – SIETK	Member	Faculty Members
3	Mr. C. Siva Kumar Prasad	Associate Professor – SIETK	Member	
4	Mr. Vinodh Kumar Balaji	Assistant Professor- SIETK	Member	
5	Mr. M. Pratap Reddy	Assistant Professor- SIETK	Member	
6	Dr.S.Kaleemullah	Principal Scientist & Head, Post- Harvest Engineering & Technology, Regional Agricultural Research Station, ANGRAU, Tirupati-522101 Ph:9440181098 Email:drkaleems@yahoo.co.in	Member	Experts from Academics
7	Dr. B.Sreenivasula Reddy	Assistant Professor, Department of Process and Food Engineering, College of Agricultural Engineering ANGRAU, Bapatla, Guntur-522101 Ph:9618800819 Email:sreenivasula2007@gmail.com	Member	
8	Dr. C.Ramana	Professor & University Head(FMPE), Dept. of Farm Machinery & Power Engineering, Dr. NTR College of Agricultural Engineering, ANGRAU, Bapatla, Guntur-522101 Ph:7702366113/9440914961 Email:Ramana1963@rediffmail.com	Member	Expert Nominated by Vice - Chancellor
9	Mrs.K Lakshmi Devi	Mandal Agricultural officer, Puttur Ph:8886612597 Email:lakshmi88@gmail.com	Member	Expert from Industry

  
PRINCIPAL

**PRINCIPAL**  
Siddharth Institute of Engineering & Technology  
Siddharth Nagar,  
PUTTUR-517583, Chittoor (Dt).



## Members Present

S.No.	Name of the Member	Designation/Organization	Role in the BOS	Signature
1	Mrs. Ch. Wagdevi	Assistant Professor & H.O.D. – SIETK	Chairman	
2	Dr. K. Chandrasekhar Reddy	Professor & Principal – SIETK	Member	
3	Mr. C. Siva Kumar Prasad	Associate Professor – SIETK	Member	
4	Mr. Vinodh Kumar Balaji	Assistant Professor- SIETK	Member	
5	Mr. M. Pratap Reddy	Assistant Professor- SIETK	Member	
6	Dr. S. Kaleemullah	Principal Scientist & Head, Post – Harvest Engineering & Technology, Regional Agricultural Research Station, ANGRAU, Tirupati- 517502 Ph.9440181098 Email:drkaleems@yahoo.co.in	Member	 26/12/18
7	Dr. B.Sreenivasula Reddy	Assistant Professor, Department of Process & Food Engineering, College of Agricultural Engineering, ANGRAU, Bapatla, Guntur - 522101 Ph:9618800819 Email:sreenivasula2007@gmail.com	Member	 26/12/18
8	Dr. C. Ramana	Professor & University Head (FMPE), Dept. of Farm Machinery & Power Engineering, Dr. NTR College of Agricultural Engineering, ANGRAU, Bapatla, Guntur – 522101 Ph:7702366113/9440914961	Member	
9	Mrs. K Lakshmi Devi	Mandal Agricultural officer, Puttur Ph:8886612597 Email:lakshmi88@gmail.com	Member	 26/12/18

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR  
(AUTONOMOUS)**

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**4th BOS Meeting of Agricultural Engineering (AG ENGG)**

Date: 14-08-2019

The 4<sup>th</sup> meeting of Board of Studies (BOS) in Agricultural Engineering is held on 14<sup>th</sup> August, 2019 (Wednesday) at 2.00 PM in the Department of Agricultural Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor-Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Mrs. Ch. Wagdevi, Chairman - BOS chaired the meeting and welcomed all the members to the fourth BOS meeting and discussed the following agenda:

**Agenda:**

1. Approval of course structure for I year UG in Agricultural Engineering w.e.f., 2019-2020.
2. Approval of syllabi for I year UG in Agricultural Engineering w.e.f., 2019-2020.
3. Approval of Panel of Question Paper setters.
4. Approval of Panel of Examiners.
5. Any other item with the permission of Chair.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for I year UG in Agricultural Engineering w.e.f., 2019-2020.

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for I year UG (given in **Annexure -I**) applicable from the A.Y.2019-2020.

**Agenda: 2**

Approval of syllabus for I year UG in Agricultural Engineering w.e.f., 2019-2020.

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I Year B.Tech I & II-Semesters (given in **Annexure-II**).

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for I year has the following modifications, which are given in the below table.

**I B.Tech**

S. No	R18	R19	Percentage of syllabus content changed
1	Physics	Engineering Physics	0
2	Mathematics – I	Algebra and Calculus	60
3	Programming for problem solving	Python Programming	100
4	Engineering Mechanics	Engineering Mechanics	0
5	Physics Lab	Engineering Physics Lab	0
6	Programming for problem solving Lab	Python Programming Lab	100

7	Workshop practice lab	Workshop practice lab	0
8	Chemistry	Engineering Chemistry	40
9	Mathematics – II	Differential Equations and Vector Calculus	60
10	Basic Electrical and Electronics Engineering	Basic Electrical and Electronics Engineering	0
11	English	Communicative English	10
12	Engineering Graphics & Design	Engineering Graphics	0
13	Chemistry Lab	Engineering Chemistry Lab	0
14	English Lab	Communicative English Lab	0
15	India Constitution	Indian Constitution	0

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
AGE B.Tech I Year	15	24.66

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Engineering Graphics	19ME0302	Skill Development
2	Workshop practice lab	19ME0301	Skill Development
3	Management Science	19HS0813	Entrepreneurship
4	Communicative English Lab	19HS0811	Skill Development
5	Communicative English	19HS0810	Skill Development
6	Python Programming Lab	19CS0502	Skill Development
7	Python Programming	19CS0501	Skill Development
8	Engineering Mechanics	19CE0101	Skill Development
9	Basic Electrical and Electronics Engineering	19EE0240	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda:3**

Approval of Panel of question paper setters

**Resolution: 3**

Approved the panel of question paper setting (given in **Annexure -III**) to be submitted to the college academic council for approval.

**Agenda: 4**

Approval of Panel of examiners

**Resolution: 4**

Approved the panel of examiners prepared for valuation (given in **Annexure -IV**) to be submitted to the college academic council for approval.


The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR**

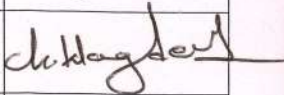


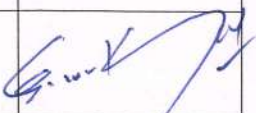
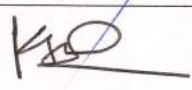

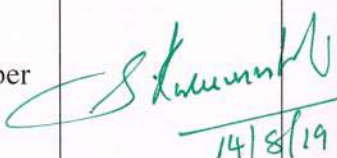
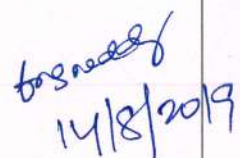
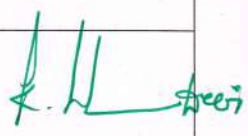
**Department of Agricultural Engineering**

**Composition of Board of studies (for 3 years w.e.f. 09.07.2019)**

S. No.	Name of the Member	Academic/Industry Position	Designation	Category of Nomination
1	Mrs. Ch. Wagdevi	Assistant Professor & H.O.D. SIETK	Chairman	Head of the Department
2	Dr. K. Chandrasekhar Reddy	Professor & Principal - SIETK	Member	Faculty Members
3	Dr. S. Sunil Kumar Reddy	Professor & Head Mechanical Engineering - SIETK	Member	
4	Dr. C. Prabhu Rama Krishna	Professor Mechanical Engineering - SIETK	Member	
5	Mr. C. Siva Kumar Prasad	Associate Professor & Head Civil Engineering – SIETK	Member	
6.	Mr. Keshavalu	Assistant Professor Agricultural Engineering-SIETK	Member	
7	Dr. C. Ramana	Professor & University Head(FMPE), Dept. of Farm Machinery & Power Engineering, Dr. NTR College of Agricultural Engineering, ANGRAU, Bapatla, Guntur-522101 Ph:7702366113/9440914961 Email:Ramana1963@rediffmail.co	Member	Experts from Academics
8	Dr. S. Kaleemullah	Principal Scientist & Head, Post – Harvest Engineering and Technology, Regional Agricultural Research Station, ANGRAU, Tirupati – 517502 Ph; 9440181098 Email: drkaleems@yahoo.co.in	Member	
9	Dr. K. Madhusudhana Reddy	Associate Professor Department of (SOWE) S.V. Agricultural College, Tirupathi-517502 Chittoor Dt. A.P Ph: 8897892827 Email: madhu.karakala@gmail.com	Member	Expert Nominated by Vice - Chancellor
10	Mrs. K Lakshmi Devi	Mandal Agricultural officer, Puttur Ph:8886612597 Email:lakshmi88@gmail.com	Member	Expert from Industry

  
03/08/19

## Members Present

S. No	Member Name	Designation/ Organization	Role of BoS	Signature
1	Mrs. Ch. Wagdevi	Assistant Professor & HOD – SIETK	Chairman	
2	Dr. K. Chandrasekhar Reddy	Professor & Principal – SIETK	Member	
3	Dr. S. Sunil Kumar Reddy	Professor & Head Mechanical Engineering - SIETK	Member	
4	Dr. C. Prabhu Rama Krishna	Professor Mechanical Engineering - SIETK	Member	ABSENT
5	Mr. C. Siva Kumar Prasad	Associate Professor & Head Civil Engineering – SIETK	Member	
6.	Keshavalu	Assistant Professor Agricultural Engineering-SIETK	Member	
7	Dr. C. Ramana	Professor & University Head (FMPE), Dept. of Farm Machinery & Power Engineering, Dr. NTR College of Agricultural Engineering, ANGRAU, Bapatla, Guntur-522101 Ph:7702366113/9440914961 Email:Ramana1963@rediffmail.com	Member	 14.8.19
8	Dr. S. Kaleemullah	Principal Scientist & Head, Post-Harvest Engineering and Technology, Regional Agricultural Research Station, ANGRAU, Tirupathi-517502 Ph: 9440181098 Email : drkaleems@yahoo.co.in	Member	 14/8/19
9	Dr. K. Madhusudhana Reddy	Associate Professor Department of (SOWE) S.V. Agricultural College, Tirupathi-517502 Chittoor Dt. A.P Ph: 8897892827 Email: madhu.karakala@gmail.com	Member	 14/8/2019
10	Mrs. K Lakshmi Devi	Mandal Agricultural officer, Puttur Ph:8886612597 Email:lakshmi88@gmail.com	Member	

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR  
(AUTONOMOUS)**

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**5<sup>th</sup> BOS Meeting of Agricultural Engineering (AG ENGG)**

Date: 28-08-2020

The 5<sup>th</sup> meeting of Board of Studies (BOS) in Agricultural Engineering is held on 28 Aug, 2020 at 10.00 AM through online Zoom Platform in the Department of Agricultural Engineering, Siddharth Institute of Engineering and Technology, Puttur, Chittoor – Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Mrs. Ch. Wagdevi, Chairman BOS chaired the meeting and welcomed all the members to the Fifth BOS meeting and discussed about the following agenda

**Agenda:**

1. To discuss Course Structure for II & III year B.Tech. Under R19 & R18 Regulation
2. To discuss Syllabus for II & III year B.Tech. Under R19 & R18 Regulation
3. To discuss Question paper setters
4. To discuss panels of examiners
5. Any other item



After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for II&III- year UG in Agricultural Engineering w.e.f., A.Y. 2020-21

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for II- year UG (Agricultural Engineering) (Given in **Annexure-I**) applicable from the A.Y. 2020-21.

**Agenda: 2**

Approval of syllabi for II&III-year UG in Agricultural Engineering w.e.f., A.Y. 2020-21

**Resolution: 2**

After the thorough discussion, syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the II&III - year B.Tech I & II- Semesters (given in **Annexure-II**)

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for III year has the following modifications, which are given in the below table.

**III B.Tech (R18)**

S. No	R16	R18	Percentage of syllabus content changed
1	Agricultural Process Engineering	Agricultural Process Engineering	60
2	Irrigation and Drainage Engineering	Irrigation & Drainage Engineering	10
3	Farm Machinery and Equipment-I	Farm machinery and Equipment-I	0
4	Engineering Thermodynamics	Thermodynamics & Heat Engines	0
5	Irrigation and Drainage Engineering Lab	Irrigation & Drainage Engineering Lab	0
6	Aptitude Practice-I	Aptitude Practices	0
7	Environmental Studies	Environmental Science	0

8	Agro Industry and Bi-Product Utilization	Solid Waste & By-Product Utilization	40
9	Farm Machinery and Renewable Energy Resources	Farm machinery and Equipment-II	20
10	Heat and Mass Transfer	Heat & Mass Transfer	0
11	Farm Machinery and Renewable Energy Resources Lab	Farm machinery and Equipment-II Lab	20
12	Dairy and Food Engineering	Dairy & Food Engineering	20
13	Refrigeration and Air Conditioning	Refrigeration & Air Conditioning	120
14	Elements of Road Traffic Safety	Elements of Road Traffic Safety	0
15	Intellectual property Rights	Intellectual Property Rights	0
16	Non-Conventional Energy Resources	Non-Conventional Energy Resources	0
17	Comprehensive Soft Skills	English for Corporate Communication Skills Lab	10
18	Theory of Machines	Theory of Machines	0
19		Agricultural Process Engineering Lab	100
20		Farm machinery and Equipment-I Lab	100
21		Agricultural Engineering Structures	100
22		Industrial Instrumentation	100
23		Introduction to IOT	100
24		Python Programming	100

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
AGE B.Tech III Year	24	37.50

With reference to the R18 regulations, the new regulation (R19) syllabus for II year has the following modifications which are given in the below table.

#### II B.Tech (R19)

S. No	R18	R19	Percentage of syllabus content changed
1	Strength of Materials	Strength of Materials	20
2	Introduction to Fluid Mechanics	Fluid Mechanics & Hydraulic Machinery	20
3	Fluid Mechanics Lab	Fluid Mechanics &	20

		Hydraulic Machinery Lab	
4	Computer Aided Building Drawing	Computer Aided Machine Drawing lab	20
5	Environmental Science	Environmental Science	0
6	Principles of Soil Science	Principles of Agronomy & Soil Science	60%
7	Surveying & Geomatics	Surveying & Geomatics	0
8	Mechanical Engineering	Fundamentals of Mechanical Engineering	0
9	Thermodynamics & Heat Engines	Engineering Thermodynamics	20%
10	Principles of Soil Science Lab	Principles of Agronomy & Soil Science Lab	50%
11	Surveying Lab – I	Surveying Laboratory	20
12	Essence of Indian Traditional Knowledge	Essence of Indian Traditional Knowledge	
13	Farm machinery and Equipment-I	Farm Machinery & Equipment-I	0%
14	Farm machinery and Equipment-I Lab	Farm Machinery & Equipment-I Lab	0%
15	Industrial Instrumentation	Industrial Instrumentation	0
16	Intellectual Property Rights	Intellectual Property Rights	0
17		Water Technology	100
18		Generation of Energy Through Waste	100
19		Introduction to Communication Systems	100
20		Relational Database Management System	100
21		Management Science	100
22		Strength of Materials Lab	100
23		Numerical Methods, Probability & Statistics	100
24		Fundamentals of Urban Planning	100
25		Mechanical Measurements & Control Systems	100
26		Elements of Embedded Systems	100
27		Java Programming	100
28		Greenhouse Technology	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
AGE B.Tech II Year	<b>28</b>	<b>49.20</b>

**B. Course Relevance**

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

**B.Tech III Year (R18)**

S.No	Course Title	Course Code	Relevance
1	Refrigeration & Air Conditioning	18ME0335	Employability
2	Heat & Mass Transfer	18ME0320	Employability
3	Theory of Machines	18ME0310	Employability
4	Non-Conventional Energy Resources	18ME0307	Skill Development
5	English for Corporate Communication Skills Lab	18HS0859	Skill Development
6	Aptitude Practices	18HS0842	Skill Development
7	Industrial Instrumentation	18EE0234	Skill Development
8	Introduction to IOT	18EC0449	Skill Development
9	Python Programming	18CS0517	Skill Development
10	Soil Mechanics Lab	18CE0155	Employability
11	Soil Mechanics	18CE0154	Employability
12	Elements of Road Traffic Safety	18CE0127	Employability
13	Solid Waste & By-Product Utilization	18AG0720	Employability
14	Dairy & Food Engineering	18AG0719	Employability
15	Agricultural Engineering Structures	18AG0718	Employability
16	Farm machinery and Equipment-II Lab	18AG0712	Employability
17	Irrigation & Drainage Engineering Lab	18AG0711	Employability
18	Farm machinery and Equipment-II	18AG0710	Employability
19	Irrigation & Drainage Engineering	18AG0709	Employability
20	Farm machinery and Equipment-I Lab	18AG0708	Employability
21	Agricultural Process Engineering Lab	18AG0707	Employability
22	Farm machinery and Equipment-I	18AG0706	Employability
23	Agricultural Process Engineering	18AG0705	Employability

**B.Tech II Year (R19)**

S.No	Course Title	Course Code	Relevance
1	Mechanical Measurements & Control Systems	19ME0350	Skill Development
2	Computer Aided Machine Drawing lab	19ME0310	Employability
3	Engineering Thermodynamics	19ME0305	Employability
4	Generation of Energy Through Waste	19EE0238	Employability
5	Industrial Instrumentation	19EE0233	Skill Development

6	Elements of Embedded Systems	19EC0449	Skill Development
7	Introduction to Communication Systems	19EC0448	Skill Development
8	Java Programming	19CS0551	Skill Development
9	Relational Database Management System	19CS0550	Skill Development
10	Fluid Mechanics & Hydraulic Machinery	19CE0151	Employability
11	Fundamentals of Urban Planning	19CE0143	Skill Development
12	Water Technology	19CE0136	Employability
13	Fluid Mechanics & Hydraulic Machinery Lab	19CE0112	Employability
14	Surveying Laboratory	19CE0107	Employability
15	Surveying & Geomatics	19CE0104	Employability
16	Principles of Agronomy & Soil Science Lab	19AG0705	Employability
17	Farm Machinery & Equipment-I Lab	19AG0704	Employability
18	Principles of Agronomy & Soil Science	19AG0703	Employability
19	Farm Machinery & Equipment-I	19AG0702	Employability
20	Greenhouse Technology	19AG0701	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of panel of question paper setter's w.e.f., 2020-21

**Resolution: 3**

Approval the panel question paper setting (given in **Annexure – III**) to be submitted to the college academic council for approval.

The above were discussed, debated and the necessary approval as accorded by the BOS

**Agenda: 4**

Approval of panel of Examiners w.e.f., 2020-21

**Resolution: 4**

Approval the panel of examiners prepared for valuation (given in **Annexure – IV**) to be submitted to the college academic council for approval. The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by chairman, BOS.

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR**

**Department of Agricultural Engineering**

S. No.	Name of the Member	Academic/Industry Position	Designation	Category of Nomination
1	Mrs. Ch. Wagdevi	Assistant Professor & H.O.D. – SIETK	Chairman	Head of the Department
2	Mr. Dr. Shashikumar	Assistant Professor Agricultural Engineering-SIETK	Member	Faculty Members
3	Miss. Tipperudramma. N	Assistant Professor Agricultural Engineering-SIETK	Member	
4	Mr. B. Madhu	Assistant Professor Agricultural Engineering-SIETK	Member	
5	Miss. G. Prameela	Assistant Professor Agricultural Engineering-SIETK	Member	
6.	Mr. M. Vinayak	Assistant Professor Agricultural Engineering-SIETK	Member	
7	Dr. C. Ramana	Principal Scientist & University Head (FMPE) Regional Agricultural Research Station (RARS), ANGRAU, Tirupathi-517502 Chittoor Dt. A.P Ph: 9440914961 Email: ramana1963@rediffmail.com	Member	Experts from Academics
8	Dr.S.Kaleemullah	Principal Scientist & Head, Post- Harvest Engineering & Technology, Regional Agricultural Research Station, ANGRAU, Tirupati-517502 Ph: 9440181098 Email: drkaleems@yahoo.co.in	Member	
9	Dr. K. Madhusudhana Reddy	Associate Professor Department of (SOWE) S.V. Agricultural College, Tirupathi-517502 Chittoor Dt. A.P Ph: 8897892827 Email: madhu.karakala@gmail.com	Member	Expert Nominated by Vice - Chancellor
10	Mrs.K Lakshmi Devi	Mandal Agricultural Officer, Puttur Ph:8886612597 Email:kondurulakshmidevi@gmail.com	Member	Expert from Industry

2020-2021

**Members Present**

S.No.	Name of the Member	Designation/Organization	Role in the BOS	Signature
1	Mrs. Ch. Wagdevi	Assistant Professor & H.O.D. – SIETK	Chairman	<i>Ch. Wagdevi</i>
2	Mr. Dr. Shashikumar	Assistant Professor Agricultural Engineering-SIETK	Member	<i>Shashikumar</i>
3	Miss. Tipperudramma. N	Assistant Professor Agricultural Engineering-SIETK	Member	<i>Tipperudramma</i>
4	Mr. B. Madhu	Assistant Professor Agricultural Engineering-SIETK	Member	<i>B. Madhu</i>
5	Miss. G. Prameela	Assistant Professor Agricultural Engineering-SIETK	Member	<i>G. Prameela</i>
6	Mr. M. Vinayak	Assistant Professor Agricultural Engineering-SIETK	Member	<i>M. Vinayak</i> 28-8-2020
7	Dr. C.Ramana	Principal Scientist & University Head(FMPE) Regional Agricultural Research Station (RARS), ANGRAU, Tirupathi-517502 Chittoor Dt. A.P Ph:9440914961 Email:ramana1963@rediffmail.com	Member	<i>C. Ramana</i> 28-8-20
8	Dr. S. Kaleemullah	Principal Scientist & Head, Post- Harvest Engineering & Technology, Regional Agricultural Research Station, ANGRAU, Tirupati-517502 Ph:9440181098 Email:drkaleems@yahoo.co.in	Member	<i>S. Kaleemullah</i> 28/8/2020
9	Dr.K.Madhusudhana Reddy	Associate Professor Department of (SOWE) S.V. Agricultural College, Tirupathi-517502 Chittoor Dt. A.P Ph: 8897892827 Email: madhu.karakala@gmail.com	Member	<i>K. Madhusudhana Reddy</i> 28-8-2020
10	Mrs. K Lakshmi Devi	Mandal Agricultural Officer, Puttur Ph:8886612597 Email:kondurulakshmidevi@gmail.com	Member	<i>K. Lakshmi Devi</i> 28/8/2020

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR  
(AUTONOMOUS)**

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**6<sup>th</sup> BOS Meeting of Agricultural Engineering (AG ENGG)**

Date: 19-01-2021

The 6<sup>th</sup> meeting of Board of Studies (BOS) in Agricultural Engineering is held on 19 Jan, 2020 at 10.30 AM through online Zoom Platform in the Department of Agricultural Engineering, Siddharth Institute of Engineering and Technology, Puttur, Chittoor – Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. Bogala Madhu, Chairman BOS chaired the meeting and welcomed all the members to the Sixth BOS meeting and discussed about the following agenda:

**Agenda:**

1. To discuss and frame the syllabi for I year B.Tech. Under R20 Regulation
2. To prepare the panel of examiners and paper setters for I B.Tech that comes under R20.
3. Any other item

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure & syllabi for I- year UG in Agricultural Engineering w.e.f., A.Y. 2020-21

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for I- year UG (Agricultural Engineering) (Given in **Annexure-I**) applicable from the A.Y. 2020-21.



After the thorough discussion, syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I-year B.Tech I & II- Semesters (given in Annexure-II)

### A. Course & Syllabus Comparison

With reference to the R19 regulations, the new regulation (R20) syllabus for I<sup>st</sup> year has the following modifications, which are given in the below table.

#### I B.Tech

S. No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Engineering Physics	Engineering Physics	20
2	Algebra and Calculus	Algebra and Calculus	30
3	Communicative English	Communicative English	0
4	Engineering Mechanics	Engineering Mechanics	60
5	Engineering Physics Lab	Engineering Physics Lab	20
6	Communicative English Lab	Communicative English Lab	0
7	Workshop practice lab	Workshop practice lab	0
8	Engineering Chemistry	Engineering Chemistry	20
9	Differential Equations and Vector Calculus	Differential Equations and Complex Analysis	40
10	Basic Electrical and Electronics Engineering	Basic Electrical & Mechanical Engineering	0
11	Engineering Graphics	Engineering Graphics	0
12	Engineering Chemistry Lab	Engineering Chemistry Lab	10
13	Indian Constitution	Indian Constitution	0
14	Basic Thermodynamics	Basic Thermodynamics	0
15		C Programming and Data Structures	100
16		Basic Electrical & Mechanical Engineering Lab	100
17		C Programming and Data Structures Lab	100

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
AGE B.Tech I Year	17	29.42

**B. Course Relevance**

The courses that come under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Basic Thermodynamics	20ME0303	Employability
2	Workshop practice lab	20ME0302	Skill Development
3	Engineering Graphics	20ME0301	Skill Development
4	Communicative English Lab	20HS0811	Skill Development
5	Communicative English	20HS0810	Skill Development
6	C Programming and Data Structures Lab	20CS0502	Skill Development
7	C Programming and Data Structures	20CS0501	Skill Development
8	Basic Electrical & Mechanical Engineering	20ME0351	Skill Development
9	Basic Electrical & Mechanical Engineering Lab	20ME0352	Skill Development
10	Indian Constitution	20HS0816	Skill Development
11	Basics of Engineering Mechanics	20CE0163	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 2**

Approval of panel of question paper setter's panel of Examiners w.e.f., 2020-21

**Resolution: 2**

Approval the panel question paper setting (given in **Annexure – III**) to be submitted to the college academic council for approval. The above were discussed, debated and the necessary approval as accorded by the BOS

Approval the panel of examiners prepared for valuation (given in **Annexure – IV**) to be submitted to the college academic council for approval. The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by chairman, BOS.

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR  
(ATONOUOUS)**



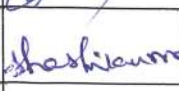
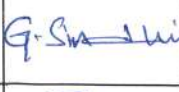



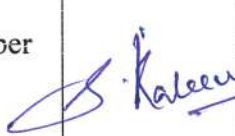


**DEPARTMENT OF AGRICULTURAL ENGINEERING**

**MEMBERS OF BOARD OF STUDIES**

S.No.	Name of the Member	Designation/Organization	Role in the BOS
1	Dr. Bogala Madhu	Assistant Professor & H.O.D. – SIETK	Head of the Department
2	Mr. C. Siva Kumar Prasad	Associate Professor & Head Civil Engineering-SIETK	Faculty Member of the Institute
3	Dr. Shashikumar	Assistant Professor Agricultural Engineering-SIETK	
4	Mrs. G. Sindhuri	Assistant Professor Agricultural Engineering-SIETK	
5	Miss. G. Prameela	Assistant Professor Agricultural Engineering-SIETK	
6	Mr. Sreedhra B	Assistant Professor Agricultural Engineering-SIETK	
7	Dr. C.Ramana	Principal Scientist &University Head(FMPE) Regional Agricultural Research Station (RARS), ANGRAU, Tirupathi-517502 Chittoor Dt. A.P Ph:9440914961 Email:ramana1963@rediffmail.com	Experts from Academics
8	Dr. S. Kaleemullah	Principal Scientist & Head, Post- Harvest Engineering & Technology, Regional Agricultural Research Station, ANGRAU,Tirupati-517502 Ph:9440181098 Email:drkaleems@yahoo.co.in	
9	Dr. Madhusudhana K. Reddy	Associate Professor Department of (SOWE) S.V. Agricultural College, Tirupathi-517502 Chittoor Dt. A.P Ph: 8897892827 Email: madhu.karakala@gmail.com	Expert Nominated by Vice - Chancellor
10	Mrs. K Lakshmi Devi	Mandal Agricultural Officer, Puttur Ph:8886612597 Email:kondurulakshmidevi@gmail.com	Expert from Industry

2020-2021

**Members Present**

S.No.	Name of the Member	Designation/Organization	Role in the BOS	Signature
1	Dr. Bogala Madhu	Assistant Professor & H.O.D. – SIETK	Chairman	
2	Mr. C. Siva Kumar Prasad	Associate Professor & Head Civil Engineering-SIETK	Member	
3	Dr. Shashikumar	Assistant Professor Agricultural Engineering-SIETK	Member	
4	Mrs. G. Sindhuri	Assistant Professor Agricultural Engineering-SIETK	Member	
5	Miss. G. Prameela	Assistant Professor Agricultural Engineering-SIETK	Member	
6	Mr. Sreedhra B	Assistant Professor Agricultural Engineering-SIETK	Member	
7	Dr. C.Ramana	Principal Scientist &University Head(FMPE) Regional Agricultural Research Station (RARS), ANGRAU, Tirupathi-517502 Chittoor Dt. A.P Ph:9440914961 Email:ramana1963@rediffmail.com	Member	
8	Dr. S. Kaleemullah	Principal Scientist & Head, Post- Harvest Engineering & Technology, Regional Agricultural Research Station, ANGRAU, Tirupati-517502 Ph:9440181098 Email:drkaleems@yahoo.co.in	Member	
9	Dr. K. Madhusudhana Reddy	Associate Professor Department of (SOWE) S.V. Agricultural College, Tirupathi-517502 Chittoor Dt. A.P Ph: 8897892827 Email: madhu.karakala@gmail.com	Member	
10	Mrs. K Lakshmi Devi	Mandal Agricultural Officer, Puttur Ph:8886612597 Email:kondurulakshmidewi@gmail.com	Member	

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR**  
**(AUTONOMOUS)**

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**1<sup>ST</sup> BOS Meeting of Master of Business Administration (MBA)**

Date: 08-07-2016

Minutes of the meeting of Board of Studies (BOS) in Master of Business Administration is held on 08<sup>th</sup> July, 2016 at 01:30 pm in the department of Master of Business Administration, Siddharth Institute of Engineering & Technology, Puttur, Chittoor District.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Prof. C.P.Gopi, Chairman BOS chaired the meeting and welcomed all the members to the first BOS meeting. He informed the members about the academic activities, workshops, conferences, project exhibitions and several other academic programs conducted by the Master of Business Administration.

**Agenda:**

1. Approval of course structure for I & II year MBA w.e.f., A.Y.2016-17.
2. Approval of syllabus for I & II year MBA w.e.f., A.Y.2016-17.
3. Approval of syllabus for the subjects offered to MCA w.e.f. 2016-17.
4. Approval of Panel of examiners
5. Approval of Panel of question paper setters.
6. Any other item.

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for I & II year MBA w.e.f., A.Y.2016-17.

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for I & II year MBA (given in **Annexure –I**) applicable from the A.Y.2016-17.

**Agenda: 2**

Approval of syllabus for I & II year MBA w.e.f., A.Y.2016-17

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required managerial knowledge and skills. The BOS resolved to approve the syllabi framed for the I and II year MBA (given in **Annexure-II**).

**A. Course & Syllabus Comparison**

With reference to the R14 regulations, the new regulation (R16) syllabus for 1<sup>st</sup> & 2<sup>nd</sup> year has the following modifications, which are given in the below table.

<b>R14 Regulation</b>	<b>R16 Regulation</b>	<b>Percentage of course content changed</b>
Management & Organizational Behaviour	Management & Organizational Behaviour	20
Business Environment	Business Environment	0
Marketing Management	Marketing Management	0
Financial Accounting for Managers	Financial Accounting and Analysis	10
Business Statistics	Statistics for Management	40
Business Communication		0
Information Technology for Managers	Fundamentals of Computer & Information System	0
Business Communication Lab	Business Communication Lab	0
Information Technology for Managers Lab	Fundamentals of Computer & Information System Lab	0
Human Resource Management	Human Resources Management	1
Managerial Economics	Managerial Economics	1

Business Research Methods	Business Research Methods	0
Financial Management	Financial Management	40
Operations Research	Operations Research for Managers	0
Operations Management	Operations Management	0
Management Information System	Management Information System	20
Management Information System Lab		0
Communication Lab	English Language and Communication Skills Lab	100
Business Ethics and Corporate Governance	Business Ethics And Corporate Governance	0
Legal Aspects of Business	Business Laws	0
Entrepreneurship Development	Entrepreneurship Development	0
Management Control System	Management Control System	0
Product and Brand Management	Product and Brand Management	1
Human Resource planning	Human Resource Planning	1
e-Business	E- Business	0
Financial Institutions, Markets and Services	Financial Institutions, Markets and Services	0
Customer Relationship Management	Customer Relationship Management	0
Training and Development	Training and Development	0
Supply Chain Management	Supply Chain Management	0
Investment and Portfolio Management	Security Analysis and Portfolio Management	20
Sales and Distribution Management	Sales and Distribution Management	0
Performance Management	Performance Management	20
Enterprise Resource Planning	Enterprise Resource Planning	0
Risk Management and Insurance	Risk Management and Insurance	0
Advertising and sales Promotion Management	Advertising and sales Promotion Management	80
Knowledge Management	Knowledge Management	0
Data warehousing and Mining	Data warehousing and Mining	0
Business Simulation Lab	Business Simulation Lab	0
Human Values and Professional Ethics	Human Values and Professional Ethics for Managers	0
Strategic Management	Strategic Management	40
Green Business Management	Environmental Business Managementa	0
Financial Derivatives	Financial Derivatives	0
Services Marketing	Services Ma keting	0
Organization Development	Organization Development	0
Data Communication and Network Analysis	Data Communication and Network Analysis	0
International Financial Management	International Financial Management	0

International Marketing	International Marketing	0
Global Human Resource Management	Global Human Resource Management	0
Corporate Information Management	Corporate Information Management	0
	professional English	100
	Financial Management	100
	World Trade Organization & Intellectual Property Rights	100
	Cross Culture Management	100
	Industry Analysis Report	0

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
MBA	52	16.55

### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

sno	Course Title	Course Code	Relevance
1	Management & Organizational Behaviour	16MB701	Employability
2	Financial Accounting and Analysis	16MB702	Employability
3	Business Environment	16MB703	Skill Development
4	Statistics for Management	16MB704	Skill Development
5	Managerial Economics	16MB705	Skill Development
6	professional English	16HS610	Employability
7	Fundamentals of Computer & Information System	16MC849	Employability
8	English Language and Communication Skills Lab	16HS607	Skill Development



9	Fundamentals of Computer & Information System Lab	16MC850	Skill Development
10	Human Resources Management	16MB706	Skill Development
11	Financial Management	16MB707	Employability
12	Operations Research for Managers	16MB708	Skill Development
13	Marketing Management	16MB709	Employability
14	Business Research Methods	16MB710	Skill Development
15	Operations Management	16MB711	Skill Development
16	Management Information System	16MB712	Skill Development
17	World Trade Organization & Intellectual Property Rights	16MB713	Employability
18	Cross Culture Management	16MB714	Skill Development
19	Business Communication Lab	16MB715	Skill Development
20	Industry Analysis Report	16MB716	Skill Development
21	Human Values and Professional Ethics for Managers	16HS619	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subjects offered to MCA w.e.f. 2016-17

**Resolution: 3**

After the thorough discussion syllabus was framed to make the students acquire the required financial knowledge and skills. The BOS resolved to approve the syllabi framed for the subjects offered to MCA (given in **Annexure-III**).

**Agenda: 4**

Approval of Panel of examiners

**Resolution: 4**

Approved the panel of examiners prepared for valuation (given in **Annexure –IV**) to be submitted to the college academic council for approval.


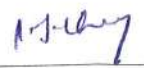

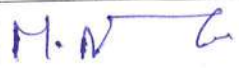
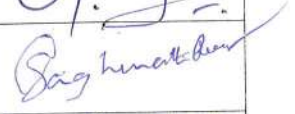
**Agenda: 5**

Approval of Panel of question paper setters

**Resolution: 5**

Approved the panel of question paper setters (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.

S.No.	Member Name	Academic/ Industry Position	Role in the BOS	Signature
1.	Prof. C.P. Gopi	Professor & HOD-SIETK	Chairman	
2.	Dr.P. Subramanyachary	Professor-SIETK ( Marketing)	Member	
3.	Dr. S. Kishore	Professor-SIETK ( Finance )	Member	
4.	Mr.S.K. Gurumoorthi	Associate Professor- SIETK ( Marketing)	Member	
5.	Mr.M. Naresh Babu	Associate Professor- SIETK ( HR)	Member	
6.	Dr.G. Sardar	Professor- Dept. of MBA, SVU, Tirupati	Member	
7.	Dr.S. Raghunatha Reddy	Professor- Dept. of Commerce, YVU, Kadapa	Member	
8.	Dr.D. Raghunatha Reddy	Professor- Dept. of MBA, JNTUH, Hyderabad	Member	
9.	Dr. Harshavardhan R .D	Senior Consultant, HR Division, ITCOT Consultancy	Member	
10.	Mr.S. Prakash	Senior Processing Analyst, TCS, Chennai	Member	

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR**  
**(AUTONOMOUS)**

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**2<sup>nd</sup> BoS Meeting of Master of Business Administration (MBA)**

Date: 18-06-2018

The 1<sup>st</sup> meeting of Board of Studies (BOS) in Master of Business Administration is held on 18 June 2018 at 01:00 pm in the Department of Master of Business Administration, Siddharth Institute of Engineering & Technology, Puttur, Chittoor District.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Prof. C.P. Gopi, Chairman BoS chaired the meeting and welcomed all the members to the second BoS meeting and discussed about the following agenda.

**Agenda:**

1. Preparation of course structure for 2 years in MBA w.e.f., 2018-19.
2. Preparation of syllabi for I & II year in MBA w.e.f., 2018-19.
3. Preparation of syllabi for the subjects offered to other branches i.e., MCA and B.Tech. w.e.f., 2018-19.
4. Suggesting Panel of Question Paper setters.
5. Suggesting Panel of Examiners.
6. Any other item.

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Preparation of the course structure for 2 years in MBA w.e.f., 2018-19

**Resolution: 1**

After detailed discussion the course structure for 2 years of MBA is prepared (given in **Annexure –I**) and it is applicable from the A.Y.2018-19.

**Agenda: 2**

Preparation of syllabi for I & II Year in MBA w.e.f., 2018-19.

**Resolution: 2**

After the thorough discussion the syllabi was prepared to make the students acquiring the required managerial knowledge and skills. The Syllabi framed for the I & II year in MBA (given in **Annexure-II**) and is applicable from the A.Y. 2018-19.

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for 1<sup>st</sup> & 2<sup>nd</sup> year has the following modifications, which are given in the below table.

R16 Regulation	R18 Regulation	Percentage of course content changed
Management & Organizational Behaviour	Management & Organizational Behavior	8
Business Environment	Accounting for Managers	40
Marketing Management	Business Law and Regulations	4
Financial Accounting and Analysis	Business Statistics for Managers	5
Statistics for Management	Managerial Economics	4
		0
Fundamentals of Computer & Information System	Communicative English Lab	8
Business Communication Lab	Fundamentals of Computer and Information System Lab	0
Fundamentals of Computer & Information System Lab	Human Resources Management	40
Human Resources Management	Financial Management	20
Managerial Economics	Marketing Management	0
Business Research Methods	Business Research Methods	0

Financial Management	Operations Research	100
Operations Research for Managers	Operations Management	0
Operations Management	Management Information System	0
Management Information System		0
English Language and Communication Skills Lab	Human Values and Professional Ethics for Managers	0
Business Ethics And Corporate Governance	Business Ethics and Corporate Governance	0
Business Laws	Indian economy and policy	0
Entrepreneurship Development	Spiritual Management	0
Management Control System	Basics of Business Process Outsourcing	0
Product and Brand Management	Agri-Business Management	60
Human Resource Planning	Export and Import Management	0
E- Business	Investment Analysis and Portfolio Management	0
Financial Institutions, Markets and Services	Sales and Distribution Management	0
Customer Relationship Management	Performance Management Systems	15
Training and Development	Enterprise Resource Planning	0
Supply Chain Management	Risk Management and Insurance	0
Security Analysis and Portfolio Management	Advertising and sales Promotion Management	0
Sales and Distribution Management	Knowledge Management	0
Performance Management	Data warehousing and Mining	0
Enterprise Resource Planning	Financial Markets and Services	0
Risk Management and Insurance	Consumer Behavior	
Advertising and sales Promotion Management	Training and Development	0
Knowledge Management	Supply Chain Management	0
Data warehousing and Mining	Cost and Management Accounting	0
Business Simulation Lab	Product and Brand Management	0
Human Values and Professional Ethics for Managers	Human Resource Planning	0
Strategic Management	E- Business	0
Environmental Business Management	Industry Analysis & Report Presentation	0
Financial Derivatives	Business Simulation Lab	0
Services Marketing	Green Business Management	0
Organization Development		
Data Communication and Network Analysis	World Trade Organization & Intellectual Property Rights	0
International Financial Management	Cross Culture Management	0
International Marketing	Innovation Technology Management	0

Global Human Resource Management	Organizational Culture & Teamwork	0
Corporate Information Management	Financial Derivatives	0
professional English	Services Marketing	0
Financial Management	Organizational Change and Development	0
World Trade Organization & Intellectual Property Rights	Data Communication and Network Analysis	0
Cross Culture Management	International Financial Management	0
Industry Analysis Report	International Marketing	0
	International Human Resource Management	0
	Corporate Information Management	0
	Green Business Management	100
	Case Study Analysis	100
	Cost and Management Accounting	100
	Indian Economy & Policy	100
	Spiritual Management	100
	Basics of Business Process Outsourcing	100
	Agri-Business Management	100
	Export and Import Management	100

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
MBA	66	25.6744186

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Fundamentals of Computer and Information System Lab	18MC9150	Skill Development
2	Case Study Analysis	18MB9014	Skill Development
3	Management Information System	18MB9013	Skill Development
4	Operations Management	18MB9012	Skill Development
5	Business Research Methods	18MB9011	Skill Development
6	Marketing Management	18MB9010	Skill Development
7	Financial Management	18MB9009	Skill Development

8	Human Resources Management	18MB9008	Employability
9	Business Communication Lab	18MB9007	Skill Development
10	Entrepreneurship in Practice	18MB9006	Entrepreneurship
11	Managerial Economics	18MB9005	Skill Development
12	Business Statistics and Analytics for Decision Making	18MB9004	Skill Development
13	Business Law and Regulations	18MB9003	Skill Development
14	Financial Accounting & Analysis	18MB9002	Employability
15	Organizational Behavior	18MB9001	Skill Development
16	Human Values and Professional Ethics for Managers	18HS0815	Skill Development
17	English Lab	18HS0805	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Preparation of syllabi for the subjects offered to other branches i.e., MCA and B.Tech. w.e.f., 2018-19.

**Resolution: 3**

After the thorough discussion syllabi was framed and finalized for the subjects offered to other branches i.e., MCA and B.Tech.(given in **Annexure-III**).

**Agenda: 4**

Suggesting Panel of Question Paper setters

**Resolution: 4**

The panel of Question Paper setters was suggested (given in **Annexure –IV**).

**Agenda: 5**

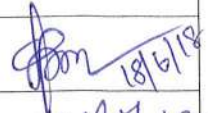
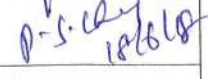
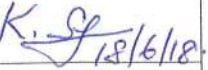
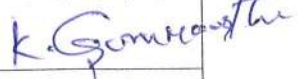







Suggesting Panel of Examiners.

**Resolution: 5**

The panel of Examiners for valuation was suggested (given in **Annexure –V**).

The above items were discussed, debated and the necessary approval was accorded by the BoS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.





S.No	Members Present	Designation/ Organization	Role of the BOS	Signature
1	Prof.C.P. Gopi	Professor & HOD- SIETK	Chairman	 18/6/18
2	Dr.P. Subramanyachary	Professor-SIETK	Member	 18/6/18
3	Mr.K Sarada Siva Reddy	Associate Professor-SIETK	Member	 18/6/18
4	Mr.S.K.Gurumoorthi	Associate Professor- SIETK	Member	 18/6/18
5	Mr.B.Sambathkumar	Assistant Professor- SIETK	Member	 18/6/18
6	Mr.A .Krishnamurthy	Assistant Professor- SIETK	Member	 18/6/18
7	Dr.G. Sardar	Professor- MBA Dept., SVU, Tirupati	Member	
8	Dr S. Raghunatha Reddy	Professor- Commerce Dept., YVU, Kadapa	Member	 18/6/18
9	Dr.D. Raghunatha Reddy	Professor- MBA Dept., JNTUH, Hyderabad	Member	 18/6/18
10	Dr.B. Harshavardan	Senior Consultant, HR Division, ITCOT Consultancy and Services Ltd, Chennai	Member	
11	Mr.S. Prakash	Senior Processing Analyst, TCS, Chennai	Member	


After successful completion of the Meeting, Panel Members suggested few things for the betterment of the syllabus and curriculum. Suggestions are given below;


- Open Electives should be added in 1<sup>st</sup> year 2<sup>nd</sup> semester and also in 1<sup>st</sup> semester.
- Instead of Financial Reporting Statement & analysis the title has to be changed as Financial Accounting & Analysis.
- Indian Economy Should be added as a subject in open electives of Semester 1
- In 1<sup>st</sup> year 2<sup>nd</sup> semester, add two more papers in open electives, at present only 3 papers are there.
- Department electives should be renamed as Subject electives.
- Business laws and regulation should be kept as it is as core paper in 1 semester
- Internship and case study analysis to be offered either in 2 semesters or in 3 semester as decided by faculty and HOD.
- Seminar title is renamed as "Seminar on Contemporary Issues of Management"
- Cost and Management Accounting has to be added in 4<sup>th</sup> semester Elective subject, in place of Management Control System and it is also decided to offer and incorporate Management Control System as one of the units of Cost and Management Accounting.


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15/10/2018  
(Dr. D. Raghunatha Reddy)  
Professor, JNTUH

  
(Prof. Sandar Guglotlu)  
S.V.U, MBA

  
Prof. S. Raghunatha Reddy  
(Y.V. University, Kadapa)

  
S. PRAKASH

  
D.V. HARSHAVARDHAN  
Sr. Consultant  
ITCOT

(Senior Processing Analyst)

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**(AUTONOMOUS)**

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**3<sup>rd</sup> BOS Meeting of Master of Business Administration(MBA)**

Date: 14-08-2019

The 3<sup>rd</sup> meeting of Board of Studies (BOS) in Master of Business Administration is held on 14<sup>th</sup> August, 2019 in the Department of Master of Business Administration, Siddharth Institute of Engineering & Technology, Puttur, Chittoor District.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. M. Vani, Chairman BOS chaired the meeting and welcomed all the members to the third BOS meeting and discussed about the following agenda.

**Agenda:**

1. Approval of course structure for 2 years w.e.f. A.Y.2019-20.
2. Approval of syllabus for I,& II years w.e.f. A.Y.2019-20.
3. Approval of syllabus for the subjects offered to other Departments w.e.f. 2019-20.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for 2 years w.e.f. A.Y.2019-20.

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for 2 years of MBA (given in **Annexure –I**) applicable from the A.Y.2019-20.

**Agenda: 2**

Approval of syllabus for I,& II years w.e.f. A.Y.2019-20.

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I& Ilyear MBA (given in **Annexure-II**).

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for 1<sup>st</sup> & 2<sup>nd</sup> year has the following modifications, which are given in the below table.

<b>R18 Regulation</b>	<b>R19 Regulation</b>	<b>Percentage of course content changed</b>
Organizational Behavior	Management & Organizational Behavior	0
Financial Accounting & Analysis	Accounting for Managers	0
Business Law and Regulations	Business Law and Regulations	0
Business Statistics and Analytics for Decision Making	Business Statistics for Managers	0
Managerial Economics	Managerial Economics	0
Entrepreneurship in Practice		0
Business Communication Lab	Communicative English Lab	0
Fundamentals of Computer and		0

Information System Lab		
Human Resources Management	Human Resources Management	0
Financial Management	Financial Management	0
Marketing Management	Marketing Management	0
Business Research Methods	Business Research Methods	0
Operations Management	Operations Management	0
Management Information System	Management Information System	0
Case Study Analysis		0
English Lab		0
Human Values and Professional Ethics for Managers	Human Values and Professional Ethics for Managers	0
Business Ethics and Corporate Governance	Business Ethics and Corporate Governance	0
Indian Economy & Policy		0
Spiritual Management	Spiritual Management	0
Basics of Business Process Outsourcing	Basics of Business Process Outsourcing	0
Agri-Business Management	Agri-Business Management	0
Export and Import Management	Export and Import Management	0
Investment Analysis and Portfolio Management	Investment Analysis and Portfolio Management	0
Sales and Distribution Management	Sales and Distribution Management	0
Performance Management Systems	Performance Management Systems	0
Enterprise Resource Planning	Enterprise Resource Planning	0
Risk Management and Insurance	Risk Management and Insurance	0
Advertising and sales Promotion Management	Advertising and sales Promotion Management	0
Knowledge Management	Knowledge Management	0
Data warehousing and Mining	Data warehousing and Mining	0
Financial Markets and Services	Financial Markets and Services	0
Customer Relationship Management	Consumer Behavior	0
Training and Development	Training and Development	0
Supply Chain Management	Supply Chain Management	0
Cost and Management Accounting	Cost and Management Accounting	0
Product and Brand Management	Product and Brand Management	0
Human Resource Metrics and Analytics	Human Resource Planning	0
E- Business	E- Business	0
Industry Analysis and Report Presentation	Industry Analysis & Report Presentation	0
Business Simulation Lab	Business Simulation Lab	0

Green Business Management	Green Business Management	0
Computer Application for Business		0
World Trade Organization & Intellectual Property Rights	World Trade Organization & Intellectual Property Rights	0
Cross Culture Management	Cross Culture Management	0
Innovation Technology Management	Innovation Technology Management	0
Sustaining Organizational Culture & Teamwork	Organizational Culture & Teamwork	0
Financial Derivatives	Financial Derivatives	0
Services Marketing	Services Marketing	0
Organizational Change and Development	Organizational Change and Development	0
Data Communication and Network Analysis	Data Communication and Network Analysis	0
International Financial Management	International Financial Management	0
International Marketing	International Marketing	0
International HRM	International Human Resource Management	0
Corporate Information Management	Corporate Information Management	0

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
MBA	49	0

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
1	Fundamentals of Computer and Information System Lab	19MC9151	Skill Development

2	Advanced Studies on Indian Economy & Policy	19MB9014	Skill Development
3	Operations Research	19MB9013	Skill Development
4	Operations Management	19MB9012	Skill Development
5	Business Research Methods	19MB9011	Skill Development
6	Marketing Management	19MB9010	Skill Development
7	Financial Management	19MB9009	Skill Development
8	Human Resources Management	19MB9008	Employability
9	Business Communications	19MB9007	Skill Development
10	Management Information System	19MB9006	Entrepreneurship
11	Managerial Economics	19MB9005	Skill Development
12	Business Statistics for Managers	19MB9004	Skill Development
13	Business Law and Regulations	19MB9003	Skill Development
14	Accounting for Managers	19MB9002	Employability
15	Management & Organizational Behavior	19MB9001	Skill Development
16	Human Values and Professional Ethics for Managers	19HS0822	Skill Development
17	Communicative English Lab	19HS0811	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subjects offered to other Departments w.e.f. 2019-20.

**Resolution: 3**

After the thorough discussion syllabus was framed for the following subjects offered to the other departments (given in **Annexure-III**).

**Agenda: 4**

Approval of Panel of Question Paper setters

**Resolution: 4**

Approved the panel of Question Paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**

Approval of Panel of Examiners

**Resolution: 5**

Approved the panel of Examiners prepared for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairperson-BOS.



S.No	Name of the Member	Designation/ Organization	Role in the BOS	Signature
1	Dr. M. Vani	Professor & HOD	Chairperson	
2	Dr.L. Kuladeep Kumar	Professor	Member	
3	Dr. SK Gurumoorthi	Associate Professor	Member	
4	Mr. S. Sreenivasulu	Associate Professor	Member	
5	Mr. B. Sampath Kumar	Assistant Professor	Member	
6	Dr. S. Raghunatha Reddy	Professor, Department of MBA, YVU, YSR Kadapa	Member	
7	Dr. P. Murali Krishna	Professor, Department of MBA, SKU, Anantapur	Member	
8	Dr. D. BhanuSree Reddy	Professor, Department of MBA, VIT - Vellore	Member	
9	Dr. K. Uday Gowri Shankar	Director, Vgaint capital Financial Services, Tirupati	Member	
10	Mr. Prakash	Business Team Lead, TCS, Chennai	Member	



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**4<sup>th</sup> BOS Meeting of Master of Business Administration (MBA)**

Date: 28-08-2020

The 4<sup>th</sup> meeting of Board of Studies (BOS) is held on 28<sup>th</sup> August, 2020 at 10:30 am in the zoom online platform among the members of the Board of studies for the department of Master of Business Administration, Siddharth Institute of Engineering & Technology, Puttur, Chittoor District.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Prof.M. Vani, Chairperson BOS chaired the meeting and welcomed all the members to the fourth BOS meeting and discussed about the following agenda.

**Agenda:**

1. Discuss and frame the syllabi for MBA w.e.f., A.Y.2020-22 as per R20 regulation.
2. Preparation of syllabi II year in MBA w.e.f., A.Y.2020-21 as per R19 regulation.
3. Suggesting Panel of Question Paper setters.
4. Suggesting Panel of Examiners.
5. Any other items

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Preparation of course structure and syllabi for 2 years MBA w.e.f., A.Y.2020-22 as per R20 regulation

**Resolution: 1**

After detailed discussion the course structure for 2 years of MBA is prepared (given in **Annexure-I**) and it is applicable from the A.Y.2020-21.

**Agenda: 2**

Preparation of syllabi for II year in MBA w.e.f., A.Y.2020-21 as per R19 regulation

**Resolution: 2**

After the thorough discussion syllabi was prepared to make the students acquire the required knowledge and skills. The syllabi framed for the II year in MBA (given in **Annexure-II**).and is applicable from the A.Y. 2020-21.

**A. Course & Syllabus Comparison**

With reference to the R19 regulations, the new regulation (R20) syllabus for Ist & 2nd year has the following modifications, which are given in the below table.

<b>R19 Regulation</b>	<b>R20 Regulation</b>	<b>Percentage of course content changed</b>
Management & Organizational Behavior	Management & Organizational Behavior	0
Accounting for Managers	Accounting for Managers	0
Business Law and Regulations	Business and Cyber Laws	0
Business Statistics for Managers	Business Statistics for Managers	0
Managerial Economics	Managerial Economics	0
Management Information System	Management Information System	0
Business Communications	Business Communications	0
Communicative English Lab	Communicative English Lab for Managers	0
Human Resources Management	Human Resources Management	0
Financial Management	Financial Management	0
Marketing Management	Marketing Management	0

Business Research Methods	Business Research Methods	0
Operations Management	Operations Management	0
Operations Research	Operations Research	0
Advanced Studies on Indian Economy & Policy	Advanced Studies on Indian Economy & Policy	0
Fundamentals of Computer and Information System Lab	Computer and Information System Lab	0
Human Values and Professional Ethics for Managers		0
Business Ethics and Corporate Governance	Business Ethics and Corporate Governance	0
Entrepreneurship Development	Entrepreneurship Development	0
Spiritual Management	Spiritual Management	0
Basics of Business Process Outsourcing	Basics of Business Process Outsourcing	0
Agri-Business Management	Agri-Business Management	0
Export and Import Management	Export and Import Management	0
Investment Analysis and Portfolio Management	Investment Analysis and Portfolio Management	0
Sales and Distribution Management	Sales and Distribution Management	0
Performance Management Systems	Performance Management Systems	0
Enterprise Resource Planning	Enterprise Resource Planning	0
Risk Management and Insurance	Risk Management and Insurance	0
Advertising and sales Promotion Management	Advertising and sales Promotion Management	0
Knowledge Management	Knowledge Management	0
Data warehousing and Mining	Data warehousing and Mining	0
Financial Markets and Services	Financial Markets and Services	0
Consumer Behavior	Consumer Behavior	0
Training and Development	Training and Development	0
Supply Chain Management	Supply Chain Management	0
Cost and Management Accounting	Cost and Management Accounting	0
Product and Brand Management	Product and Brand Management	0

Human Resource Planning	Human Resource Planning	0
E- Business	E- Business	0
Industry Analysis & Report Presentation	Industry Analysis & Report Presentation	0
Business Simulation Lab	Business Simulation Lab	0
Strategic Management	Strategic Management	0
Green Business Management	Green Business Management	0
World Trade Organization & Intellectual Property Rights	World Trade Organization & Intellectual Property Rights	0
Cross Culture Management	Cross Culture Management	0
Innovation Technology Management	Innovation Technology Management	0
Organizational Culture & Teamwork	Organizational Culture & Teamwork	0
Financial Derivatives	Financial Derivatives	0
Services Marketing	Services Marketing	0
Organizational Change and Development	Organizational Change and Development	0
Data Communication and Network Analysis	Data Communication and Network Analysis	0
International Financial Management	International Financial Management	0
International Marketing	International Marketing	0
International Human Resource Management	International Human Resource Management	0
Corporate Information Management	Corporate Information Management	0

**Consolidated Sheet**

<b>Course</b>	<b>Total courses</b>	<b>Percentage of syllabus changed</b>
<b>MBA</b>	<b>54</b>	<b>0</b>

**B. Course Relevance**

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

<b>Sno</b>	<b>Course Title</b>	<b>Course Code</b>
	Computer and Information System Lab	20MC9146
	Advanced Studies on Indian Economy & Policy	20MB9014
	Operations Research	20MB9013

Operations Management	20MB9012	Skill Development
Business Research Methods	20MB9011	Skill Development
Marketing Management	20MB9010	Skill Development
Financial Management	20MB9009	Skill Development
Human Resources Management	20MB9008	Employability
Business Communications	20MB9007	Skill Development
Management Information System	20MB9006	Entrepreneurship
Managerial Economics	20MB9005	Skill Development
Business Statistics for Managers	20MB9004	Skill Development
Business and Cyber Laws	20MB9003	Skill Development
Accounting for Managers	20MB9002	Employability
Management & Organizational Behavior	20MB9001	Skill Development
Communicative English Lab for Managers	20HS0858	Skill Development
Human Values and Professional Ethics for Managers	20HS0822	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Suggesting Panel of Question Paper setters

**Resolution: 3**

The panel of Question Paper setters was suggested (given in **Annexure –III**)











**Agenda: 4**

Suggesting Panel of Examiners

**Resolution: 4**

The panel of Examiners for valuation was suggested (given in **Annexure –IV**)

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairperson-BOS.

S.No	Name of the Member	Designation/ Organization	Role in the BOS	Signature
1	Dr. M. Vani	Professor & HOD	Chairperson	
2	Dr.L. Kuladeep Kumar	Professor	Member	
3	Dr. SK Gurumoorthi	Associate Professor	Member	
4	Mr. S. Sreenivasulu	Associate Professor	Member	
5	Mr. B. Sampath Kumar	Assistant Professor	Member	
6	Dr. S. Raghunatha Reddy	Professor, Department of MBA, YVU, YSR Kadapa	Member	
7	Dr. P. Murali Krishna	Professor, Department of MBA, SKU, Anantapur	Member	
8	Dr. D. BhanuSree Reddy	Professor, Department of MBA, VIT - Vellore	Member	
9	Dr. K. Uday Gowri Shankar	Director, Vgaint capital Financial Services, Tirupati	Member	
10	Mr. Prakash	Business Team Lead, TCS, Chennai	Member	

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**1<sup>ST</sup> BOS Meeting of Master of Computer Applications (MCA)**

Date: 08-07-2016

The 1<sup>st</sup> meeting of Board of Studies (BOS) in Master of Computer Applications is held on 08<sup>th</sup> July, 2016 in the Department of Master of Computer Applications, Siddharth Institute of Engineering & Technology, Puttur, Chittoor District.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Prof. S. Choudaiah, Chairman BOS chaired the meeting and welcomed all the members to the First BOS meeting and discussed about the following agenda.

**Agenda:**

1. Approval of course structure for 3 years w.e.f., A.Y. 2016-17.
2. Approval of syllabus for I, II & III years w.e.f., A.Y. 2016-17.
3. Approval of syllabus for the subjects offered to other Departments w.e.f. 2016-17.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item



After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for 3 years w.e.f., A.Y.2016-17

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for 3 years of MCA (given in **Annexure –I**) applicable from the A.Y.2016-17.

**Agenda: 2**

Approval of syllabus for 3 years in MCA w.e.f., A.Y.2016-17

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I, II & III year MCA (given in **Annexure-II**).

**A. Course & Syllabus Comparison**

With reference to the R09 regulations, the new regulation (R16) syllabus for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year has the following modifications, which are given in the below table.

S.No	R09 Regulation	R16 Regulation	Percentage of course content changed
1	Probability and Statistics	Probability & Statistics	0
2	English Language Communication Skills	Functional English	0
3	Accounting and Financial Management	Accounting & Financial Management	0
4	Mathematical Foundations of computer science	Mathematical Foundations of Computer Science	0
5	Data Structures	Data Structures	0
6	Data Structures through C-lab	Data Structures through C Lab	0
7	IT Workshop	P. C. Software Lab	0
8	English Language Communication Skills Lab	English Language and Communication Skills Lab	0

S.No	R09 Regulation	R16 Regulation	Percentage of course content changed
9	Computer Organization	Computer Organization	0
10	Operating Systems	Operating Systems	0
11	Database Management Systems	Database Management Systems	0
12	Computer Networks	Computer Networks	0
13	Linux Programming	Linux Programming	0
14	Software Engineering	Software Engineering	0
15	Java Programming	OOPs through Java	0
16	Database Management Systems Lab	Database Management Systems Lab	0
17	Java and Linux Programming Lab	Java Programming Lab	0
18	Web Technologies	Web Technologies	0
19	Data Warehousing and Mining	Data Warehousing and Mining	0
20	Information Security	Information Security	0
21	.NET Technologies	.NET Technologies	0
22	Computer Graphics	Computer Graphics	0
23	Distributed Systems	Distributed Systems	0
24	Social Networks and Semantic Web	Social Networks and Semantic Web	0
25	Web Technologies Lab	Web Technologies Lab	0
26	Data Warehousing and Mining Lab	Data Warehousing and Mining Lab	0
27	Mobile Application Development	Mobile Application Development	0
28	Software Testing	Software Testing	0
29	Object Oriented Analysis and Design(using UML)	Object Oriented Analysis and Design (Using UML)	0
30	Software Project Management	Software Project Management	0
31	Information Retrieval Systems	Information Retrieval Systems	0
32	Design Patterns	Design Patterns	0
33	Mobile Application Development Lab	Mobile Application Development Lab	0

S.No	R09 Regulation	R16 Regulation	Percentage of course content changed
34	Software Testing Lab and UML Lab	UML Lab	0
35		Computer Programming and Problem Solving	100
36		C Programming Lab	100
37		Professional English	100
38		Aptitude Practice – I	100
39		Geological Information Systems	100
40		Operating Systems and Linux Programming Lab	100
41		Software Engineering Lab	100
42		Computer Graphics Lab	100
43		Aptitude Practice - II	100
44		Comprehensive Soft Skills	100
45		Big Data Analytics	100
46		Neural Networks& Fuzzy logic	100
47		Service Oriented Architecture	100
48		Cyber Security	100
49		Image Processing	100
50		Artificial Intelligence	100
51		M-Commerce	100
52		Cloud Computing	100
53		Cognitive Computing	100
54		Software Project Management Lab	100
55		Advanced English Language and Communication Skills Lab	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
MCA	55	38.18

## B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S. No.	Course Title	Course Code	Relevance
1	Functional English	16HS601	Skill Development
2	Mathematical Foundations of Computer Science	16HS618	Skill Development
3	Computer Programming and Problem Solving	16MC801	Employability
4	Computer Organization	16MC802	Skill Development
5	English Language and Communication Skills Lab	16HS607	Skill Development
6	P. C. Software Lab	16MC803	Skill Development
7	C Programming Lab	16MC804	Employability
8	Professional English	16HS610	Skill Development
9	Accounting & Financial Management	16MB749	Skill Development
10	OOPs through Java	16MC805	Employability
11	Data Structures	16MC806	Employability
12	Database Management Systems	16MC807	Employability
13	Java Programming Lab	16MC808	Employability
14	Data Structures through C Lab	16MC809	Employability
15	Database Management Systems Lab	16MC810	Employability
16	Aptitude Practice – I	16HS616	Skill Development
17	Computer Networks	16MC811	Employability
18	Object Oriented Analysis and Design (Using UML)	16MC812	Skill Development
19	Operating Systems	16MC813	Skill Development
20	Linux Programming	16MC814	Skill Development
21	Data Warehousing and Mining	16MC815	Employability
22	UML Lab	16MC816	Skill Development
23	Operating Systems and Linux Programming Lab	16MC817	Skill Development

24	Data Warehousing and Mining Lab	16MC818	Skill Development
25	Comprehensive Online Examination-I	COE-I	Skill Development
26	Comprehensive Soft Skills	16HS614	Skill Development
27	Software Engineering	16MC819	Skill Development
28	Web Technologies	16MC820	Skill Development
29	Computer Graphics	16MC821	Skill Development
30	Big Data Analytics	16MC822	Employability
31	Neural Networks& Fuzzy logic	16MC823	Skill Development
32	Distributed Systems	16MC824	Skill Development
33	Service Oriented Architecture	16MC825	Skill Development
34	Information Security	16MC826	Skill Development
35	Social Networks and Semantic Web	16MC827	Skill Development
36	Geological Information Systems	16MC828	Skill Development
37	.NET Technologies	16MC829	Employability
38	Software Engineering Lab	16MC830	Skill Development
39	Web Technologies Lab	16MC831	Skill Development
40	Computer Graphics Lab	16MC832	Skill Development
41	Comprehensive Online Examination-II	COE-II	Skill Development
42	Aptitude Practice - II	16HS617	Skill Development
43	Software Testing	16MC833	Employability
44	Mobile Application Development	16MC834	Employability
45	Software Project Management	16MC835	Skill Development
46	Cyber Security	16MC836	Employability
47	Image Processing	16MC837	Employability
48	Artificial Intelligence	16MC838	Skill Development
49	Information Retrieval Systems	16MC839	Skill Development
50	M-Commerce	16MC840	Skill Development
51	Cloud Computing	16MC841	Employability
52	Design Patterns	16MC842	Skill Development

53	Cognitive Computing	16MC843	Skill Development
54	Software Testing Lab	16MC844	Employability
55	Mobile Application Development Lab	16MC845	Employability
56	Software Project Management Lab	16MC846	Skill Development
57	Advanced English Language and Communication Skills Lab	16HS615	Skill Development
58	seminar	16MC847	Skill Development
59	Dissertation	16MC848	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subjects offered to other departments w.e.f. 2016-17.

**Resolution: 3**

After the thorough discussion syllabus was framed for the following subjects offered to the other departments (given in **Annexure-III**).

- a. Fundamentals of Computer & Information System – I MBA – I SEM (MBA)
- b. Fundamentals of Computer & Information System Lab – I MBA – I SEM (MBA)

**Agenda: 4**

Approval of Panel of Question Paper setters

**Resolution: 4**

Approved the panel of Question Paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**






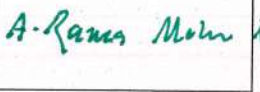




Approval of Panel of Examiners.

**Resolution: 5**

Approved the panel of Examiners prepared for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.

**Members Present**

S. No.	Name of the Member	Designation / Organization	Role of the BOS	Signature
1	Prof. S. Choudaiah	Professor & HOD – SIETK	Chairman	
2	Mr. R.E. Hari Haran	Associate Professor – SIETK	Member	
3	Mrs. A. Swarupa Rani	Associate Professor – SIETK	Member	
4	Mr. P. Karthikeyan	Associate Professor – SIETK	Member	
5	Mr. B. Mohinder Singh	Associate Professor – SIETK	Member	
6	Dr. A. Rama Mohan Reddy	Professor, Dept. of CSE, S.V. University, Tirupati	Member	
7	Dr. S. Ravichandra	Assistant Professor, Dept. of CSE, NIT, Warangal.	Member	
8	Dr. A. Suresh Babu	Associate Professor, Dept. of CSE, JNTUA, Anantapuramu	Member	
9	Mr. Umar Kunuturi	Sr. Software Engineer, Tecnotree Convergence Ltd., Bangalore	Member	
10	Mr. P. Varaprasad	Sr. Software Engineer, Hewlett Packed Enterprise Services Private Limited, Chennai.	Member	



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR**  
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**2<sup>nd</sup> BOS Meeting of Master of Computer Applications (MCA)**

Date: 18-06-2018

The 2<sup>nd</sup> meeting of Board of Studies (BOS) in Master of Computer Applications is held on 18<sup>th</sup> June, 2018 in the Department of Master of Computer Applications, Siddharth Institute of Engineering & Technology, Puttur, Chittoor District.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Prof. S. Choudaiah, Chairman BOS chaired the meeting and welcomed all the members to the Second BOS meeting and discussed about the following agenda.

**Agenda:**

1. Approval of course structure for 3 years w.e.f. A.Y.2018-19.
2. Approval of syllabus for I, II & III years w.e.f. A.Y.2018-19.
3. Approval of syllabus for the subjects offered to other Departments w.e.f. 2018-19.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for 3 years w.e.f. A.Y.2018-19

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for 3 years of MCA (given in **Annexure –I**) applicable from the A.Y.2018-19.

**Agenda: 2**

Approval of syllabus for 3 years in MCA w.e.f. A.Y.2018-19

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I, II & III year MCA (given in **Annexure-II**).

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year has the following modifications, which are given in the below table.

S.No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Functional English Professional English	English	40
2	Probability & Statistics	Probability & Statistics	0
3	Accounting & Financial Management	Accounting & Financial Management	0
4	Computer Programming and Problem Solving	Computer Programming and Problem Solving	0
5	P. C. Software Lab	P. C. Software Lab	0
6	C Programming Lab	C Programming Lab	0
7	English Language and Communication Skills Lab	English Lab	40
8	Operating Systems	Operating Systems	0
9	Computer Organization	Computer Organization	0

S.No	R16 Regulation	R18 Regulation	Percentage of course content changed
10	Data Structures	Data Structures	0
11	Database Management Systems	Database Management Systems	0
12	Data Structures through C Lab	Data Structures through C Lab	0
13	Database Management Systems Lab	Database Management Systems Lab	0
14	Computer Networks	Computer Networks	0
15	OOPs through Java	Java Programming	0
16	Software Engineering	Software Engineering	0
17	Linux Programming	Linux Programming	0
18	Data Warehousing and Mining	Data Warehousing and Data Mining	0
19	Java Programming Lab	Java Programming Lab	0
20	Operating Systems and Linux Programming Lab	Linux Programming Lab	0
21	Data Warehousing and Mining Lab	Data Warehousing and Data Mining Lab	0
22	Big Data Analytics	Big Data Analytics	0
23	Web Technologies	Web Technologies	0
24	Software Testing	Software Testing	0
25	Neural Networks & Fuzzy logic	Neural Networks & Fuzzy Logic	0
26	Distributed Systems	Distributed Systems	0
27	Service Oriented Architecture	Service Oriented Architecture	0
28	Social Networks and Semantic Web	Social Networks and Semantic Web	0
29	Computer Graphics	Computer Graphics	0
30	Web Technologies Lab	Web Technologies Lab	0
31	Cloud Computing	Cloud Computing	0
32	Object Oriented Analysis and Design (Using UML)	Object Oriented Analysis and Design using UML	0
33	Software Project Management	Software Project Management	0
34	Artificial Intelligence	Artificial Intelligence	0

S.No	R16 Regulation	R18 Regulation	Percentage of course content changed
35	Information Retrieval Systems	Information Retrieval Systems	0
36	M-Commerce	M-Commerce	0
37	Image Processing	Image Processing	0
38	Design Patterns	Design Patterns	0
39	Cognitive Computing	Cognitive Computing	0
40	UML Lab	UML Lab	0
41		Discrete Mathematics	100
42		Object Oriented Programming through C++	100
43		Programming in C++ Lab	100
44		Design and Analysis of Algorithms	100
45		Human Computer Interaction	100
46		Internet of Things	100
47		Big Data Analytics Lab	100
48		Design and Analysis of Algorithms Lab	100
49		.Net Technologies	100
50		.Net Technologies Lab	100
51		Cloud Computing Lab	100

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
MCA	51	23.13

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S. No.	Course Title	Course Code	Relevance
1	Computer Programming and Problem Solving	18MC9101	Employability
2	English	18HS0810	Skill Development

S. No.	Course Title	Course Code	Relevance
3	Accounting & Financial Management	18MB9056	Skill Development
4	P. C. Software Lab	18MC9102	Skill Development
5	C Programming Lab	18MC9103	Employability
6	English Lab	18HS0811	Skill Development
7	Operating Systems	18MC9104	Skill Development
8	Computer Organization	18MC9105	Skill Development
9	Object Oriented Programming through C++	18MC9106	Employability
10	Data Structures	18MC9107	Employability
11	Database Management Systems	18MC9108	Employability
12	Programming in C++ Lab	18MC9109	Employability
13	Data Structures through C Lab	18MC9110	Employability
14	Database Management Systems Lab	18MC9111	Employability
15	Aptitude Practice – I	18HS0843	Skill Development
16	Computer Networks	18MC9112	Employability
17	Java Programming	18MC9113	Employability
18	Software Engineering	18MC9114	Skill Development
19	Linux Programming	18MC9115	Skill Development
20	Data Warehousing and Data Mining	18MC9116	Employability
21	Java Programming Lab	18MC9117	Employability
22	Linux Programming Lab	18MC9118	Skill Development
23	Data Warehousing and Data Mining Lab	18MC9119	Employability
24	Comprehensive Soft Skills	18HS0820	Skill Development
25	Big Data Analytics	18MC9120	Employability
26	Web Technologies	18MC9121	Skill Development
27	Design and Analysis of Algorithms	18MC9122	Skill Development
28	Software Testing	18MC9123	Employability
29	Neural Networks & Fuzzy Logic	18MC9124	Skill Development
30	Distributed Systems	18MC9125	Skill Development

S. No.	Course Title	Course Code	Relevance
31	Service Oriented Architecture	18MC9126	Skill Development
32	Human Computer Interaction	18MC9127	Skill Development
33	Social Networks and Semantic Web	18MC9128	Skill Development
34	Computer Graphics	18MC9129	Skill Development
35	Internet of Things	18MC9130	Employability
36	Big Data Analytics Lab	18MC9131	Employability
37	Web Technologies Lab	18MC9132	Skill Development
38	Design and Analysis of Algorithms Lab	18MC9133	Skill Development
39	Aptitude Practice - II	18HS0844	Skill Development
40	.Net Technologies	18MC9134	Employability
41	Cloud Computing	18MC9135	Employability
42	Object Oriented Analysis and Design using UML	18MC9136	Employability
43	Cyber Security	18MC9137	Employability
44	Software Project Management	18MC9138	Employability
45	Artificial Intelligence	18MC9139	Employability
46	Information Retrieval Systems	18MC9140	Skill Development
47	M-Commerce	18MC9141	Skill Development
48	Image Processing	18MC9142	Employability
49	Design Patterns	18MC9143	Employability
50	Cognitive Computing	18MC9144	Employability
51	.Net Technologies Lab	18MC9145	Employability
52	Cloud Computing Lab	18MC9146	Employability
53	UML Lab	18MC9147	Employability
54	Advanced English Language and Communication Skills Lab	18HS0821	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subjects offered to other Departments w.e.f. A.Y. 2018-19

**Resolution: 3**

After the thorough discussion syllabus was framed for the following subjects offered to the other departments (given in **Annexure-III**).

- a. Fundamentals of Computer & Information System Lab – I MBA – I SEM (MBA)

**Agenda: 4**

Approval of Panel of Question Paper setters

**Resolution: 4**

Approved the panel of Question Paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**





Approval of Panel of Examiners

**Resolution: 5**

Approved the panel of Examiners prepared for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.

**Members Present**

S. No.	Name of the Member	Designation / Organization	Role of the BOS	Signature
1	Mr. S. Choudaiah	Professor & HOD – SIETK	Chairman	
2	Dr. A. Swarupa Rani	Associate Professor – SIETK	Member	
3	Mr. R.E. Hari Haran	Associate Professor – SIETK	Member	
4	Mr. P. Karthikeyan	Associate Professor – SIETK	Member	
5	Mr. B. Mohinder Singh	Associate Professor – SIETK	Member	
6	Dr. A. Rama Mohan Reddy	Professor, Dept. of CSE, S.V. University, Tirupati	Member	
7	Dr. S. Ravichandra	Associate Professor, Dept. of CSE, NIT, Warangal.	Member	ABSENT
8	Dr. A. Suresh Babu	Associate Professor, Dept. of CSE, JNTUA, Anantapuramu	Member	
9	Mr. Umar Kunturi	Sr. Software Engineer, Tecnotree Convergence Ltd., Bangalore	Member	
10	Mr. P. Varaprasad	Sr. Software Engineer, Hewlett Packed Enterprise Services Private Limited, Chennai.	Member	ABSENT



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR**  
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**3<sup>rd</sup> BOS Meeting of Master of Computer Applications (MCA)**

Date: 14-08-2019

The 3<sup>rd</sup> meeting of Board of Studies (BOS) in Master of Computer Applications is held on 14<sup>th</sup> August, 2019 in the Department of Master of Computer Applications, Siddharth Institute of Engineering & Technology, Puttur, Chittoor District, Andhra Pradesh.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. A. Swarupa Rani, Chairman BOS chaired the meeting and welcomed all the members to the Third BOS meeting and discussed about the following agenda.

**Agenda:**

1. Approval of course structure for 3 years w.e.f. A.Y.2019-20.
2. Approval of syllabus for I, II & III years w.e.f. A.Y.2019-20.
3. Approval of syllabus for the subjects offered to other Departments w.e.f. 2019-20.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for 3 years w.e.f. A.Y.2019 - 20

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for 3 years of MCA (given in **Annexure –I**) applicable from the A.Y.2019 - 20.

**Agenda: 2**

Approval of syllabus for 3 years in MCA w.e.f. A.Y.2019 - 20

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I, II & III year MCA (given in **Annexure-II**).

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year has the following modifications, which are given in the below table.

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	English	Communicative English	40
2	Probability & Statistics	Probability & Statistics	0
3	Discrete Mathematics	Discrete Mathematics	0
4	Computer Programming and Problem Solving	Computer Programming and Problem Solving	0
5	Computer Organization	Computer Organization	0
6	English Lab	Communicative English Lab	45
7	C Programming Lab	C Programming Lab	0
8	P. C. Software Lab	P. C. Software Lab	0
9	Accounting & Financial Management	Accounting & Financial Management	0

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
10	Object Oriented Programming through C++	Object Oriented Programming through C++	0
11	Data Structures	Data Structures	0
12	Operating Systems	Operating Systems	0
13	Programming in C++ Lab	Programming in C++ Lab	0
14	Computer Networks	Computer Networks	0
15	Java Programming	JAVA Programming	0
16	Database Management Systems	Database Management System	0
17	Design and Analysis of Algorithms	Design and Analysis of Algorithms	0
18	Java Programming Lab	JAVA Programming Lab	0
19	Database Management Systems Lab	Database Management System Lab	0
20	Data Warehousing and Data Mining	Data Warehousing and Data Mining	0
21	Web Technologies	Web Technologies	0
22	Software Engineering	Software Engineering	0
23	Software Testing	Software Testing	0
24	Artificial Intelligence	Artificial Intelligence	0
25	Distributed Systems	Distributed Systems	0
26	Linux Programming	Linux Programming	0
27	Human Computer Interaction	Human Computer Interaction	0
28	Social Networks and Semantic Web	Social Networks and Semantic Web	0
29	Computer Graphics	Computer Graphics	0
30	Internet of Things	Internet of Things	0
31	Data Warehousing and Data Mining Lab	Data Warehousing and Data Mining Lab	0
32	Web Technologies Lab	Web Technologies Lab	0
33	Cloud Computing	Cloud Computing	0
34	.Net Technologies	.Net Technologies	0

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
35	Cyber Security	Cyber Security	0
36	Software Project Management	Software Project Management	0
37	Neural Networks & Fuzzy Logic	Neural Networks & Fuzzy logic	0
38	Big Data Analytics	Big Data Analytics	0
39	Image Processing	Image Processing	0
40	Design Patterns	Design Patterns	0
41	Cloud Computing Lab	Cloud Computing Lab	0
42	.Net Technologies Lab	.Net Technologies Lab	0
43		System Software	100
44		Data Structures through C++ Lab	100
45		Operating Systems Lab	100
46		Advanced Programming (Python & R Languages)	100
47		Advanced Programming Lab	100
48		Network Security	100
49		E-Commerce	100
50		Software Engineering & UML Lab	100
51		Mobile Application Development	100
52		Model Driven Framework	100
53		Bio-informatics	100
54		Machine Learning	100
55		Enterprise Resource Planning	100
56		Mobile Application Development Lab	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
MCA	56	26.51

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S. No.	Course Title	Course Code	Relevance
1	Communicative English	19HS0810	Skill Development
2	Computer Programming and Problem Solving	19MC9101	Employability
3	Computer Organization	19MC9102	Skill Development
4	Communicative English Lab	19HS0811	Skill Development
5	C Programming Lab	19MC9103	Employability
6	P. C. Software Lab	19MC9104	Skill Development
7	Accounting & Financial Management	19MB9056	Skill Development
8	Object Oriented Programming through C++	19MC9105	Employability
9	Data Structures	19MC9106	Employability
10	Operating Systems	19MC9107	Employability
11	System Software	19MC9108	Skill Development
12	Programming in C++ Lab	19MC9110	Employability
13	Data Structures through C++ Lab	19MC9111	Employability
14	Computer Networks	19MC9112	Employability
15	JAVA Programming	19MC9113	Employability
16	Database Management System	19MC9114	Employability
17	Advanced Programming (Python & R Languages)	19MC9115	Employability
18	Design and Analysis of Algorithms	19MC9116	Employability
19	JAVA Programming Lab	19MC9117	Employability
20	Database Management System Lab	19MC9118	Employability
21	Advanced Programming Lab	19MC9119	Employability
22	Comprehensive Soft Skills(Audit	19HS0820	Skill Development

S. No.	Course Title	Course Code	Relevance
	Course)		
23	Data Warehousing and Data Mining	19MC9120	Employability
24	Web Technologies	19MC9121	Employability
25	Software Engineering	19MC9122	Employability
26	Software Testing	19MC9123	Employability
27	Artificial Intelligence	19MC9124	Employability
28	Distributed Systems	19MC9125	Employability
29	Linux Programming	19MC9126	Employability
30	Network Security	19MC9127	Employability
31	Human Computer Interaction	19MC9128	Skill Development
32	Social Networks and Semantic Web	19MC9129	Skill Development
33	Computer Graphics	19MC9130	Employability
34	Internet of Things	19MC9131	Employability
35	E-Commerce	19MC9132	Skill Development
36	Data Warehousing and Data Mining Lab	19MC9133	Employability
37	Web Technologies Lab	19MC9134	Employability
38	Software Engineering & UML Lab	19MC9135	Employability
39	Aptitude Practice – II	19HS0844	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subjects offered to other Departments w.e.f. A.Y. 2019 - 20

**Resolution: 3**

After the thorough discussion syllabus was framed for the following subjects offered to the other departments (given in **Annexure-III**).

- a. Fundamentals of Computer & Information System Lab – I MBA – I SEM (MBA)

**Agenda: 4**

Approval of Panel of Question Paper setters

**Resolution: 4**

Approved the panel of Question Paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**








Approval of Panel of Examiners

**Resolution: 5**

Approved the panel of Examiners prepared for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.

### Members Present

S. No.	Name of the Member	Designation / Organization	Role of the BOS	Signature
1	Dr. A. Swarupa Rani	Professor & HOD – SIETK	Chairman	Dr. A. Swarupa Rani
2	Mr. P. Karthikeyan	Associate Professor – SIETK	Member	
3	Mr. P. Balaji	Associate Professor – SIETK	Member	
4	Mr. J. S. Ananda Kumar	Assistant Professor – SIETK	Member	
5	Ms. P. Sukanya	Assistant Professor – SIETK	Member	
6	Dr. M. Usha Rani	Professor, Dept. of CSE, SPMVV, Tirupati	Member	
7	Dr. Ch. D.V. Subba Rao	Professor, Dept. of CSE, S. V. University college of Engineering, Tirupati.	Member	 14/8/19
8	Dr. R. Rajeswara Rao	Professor, Dept. of CSE, JNTU Kakinada, Vijayanagaram.	Member	ABSENT
9	Mr. E. Prakash	Senior Consultant, Delloite, Bangalore.	Member	
10	Mr. V. Indrasena	Senior Associate, CTS, Mepez, Tambaram, Chennai.	Member	ABSENT



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR**  
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**4<sup>th</sup> BOS Meeting of Master of Computer Applications (MCA)**

Date: 28-08-2020

The 4<sup>th</sup> meeting of Combined and Individual Board of Studies has been conducted in online mode due to the pandemic situation faced worldwide. The online meeting conducted by Department of Master of Computer Applications, Siddharth Institute of Engineering & Technology, Puttur, Chittoor District, Andhra Pradesh, which was held on 28<sup>th</sup> August 2020 (Friday) at 10:00 A.M. in the Zoom Meeting Applications.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Dr. A. Swarupa Rani, Chairman BOS chaired the meeting and welcomed all the members to the Fourth BOS meeting and discussed about the following agenda.

**Agenda:**

1. Approval of course structure for 2 years w.e.f. A.Y.2020-21.
2. Approval of syllabus for I & II years w.e.f. A.Y.2020-21.
3. Approval of syllabus for the subjects offered to other Departments w.e.f. 2020-21.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

**Minutes:**

**Agenda: 1**

Approval of course structure for 2 years w.e.f. A.Y.2020 - 21

**Resolution: 1**

After detailed discussion the BOS resolved to approve the course structure for 2 years of MCA (given in **Annexure –I**) applicable from the A.Y.2020 - 21.

**Agenda: 2**

Approval of syllabus for 2 years in MCA w.e.f. A.Y.2020 - 21

**Resolution: 2**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I & II year MCA (given in **Annexure-II**).

**A. Course & Syllabus Comparison**

With reference to the R19 regulations, the new regulation (R20) syllabus for 1<sup>st</sup> and 2<sup>nd</sup> year has the following modifications, which are given in the below table.

S.No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Discrete Mathematics	Discrete Mathematics	0
2	Computer Organization	Computer Organization	0
3	Data Structures	Data Structures	0
4	Operating System	Operating System	0
5	Object Oriented Programming through C++	Object Oriented Programming through C++	0
6	Programming in C++ Lab	Object Oriented Programming through C++ Lab	0
7	P. C. Software Lab	P.C. Software Lab	0

S.No	R19 Regulation	R20 Regulation	Percentage of course content changed
8	Computer Networks	Computer Networks	0
9	JAVA Programming	JAVA Programming	0
10	Computer Graphics	Computer Graphics	0
11	Database Management System	Database Management System	0
12	Software Engineering	Software Engineering	0
13	JAVA Programming Lab	JAVA Programming Lab	0
14	Database Management System Lab	Database Management System Lab	0
15	Web Technologies	Web Technologies	0
16	Mobile Application Development	Mobile Application Development	0
17	Data Warehousing and Data Mining	Data Warehousing and Data Mining	0
18	Software Testing	Software Testing	0
19	Artificial Intelligence	Artificial Intelligence	0
20	Distributed Systems	Distributed Systems	0
21	Linux Programming	Linux Programming	0
22	Network Security	Network Security	0
23	Human Computer Interaction	Human Computer Interaction	0
24	Advanced Programming (Python & R-Languages)	Advanced Programming (Python & R-Languages)	0
25	Internet of Things	Internet of Things	0
26	E-Commerce	E-Commerce	0
27	Web Technologies Lab	Web Technologies Lab	0
28	Mobile Application Development Lab	Mobile Application Development Lab	0
29	Data Warehousing and Data Mining Lab	Data Warehousing and Data Mining Lab	0

S.No	R19 Regulation	R20 Regulation	Percentage of course content changed
30	Cloud Computing	Cloud Computing	0
31	Cyber Security	Cyber Security	0
32	Machine Learning	Machine Learning	0
33	Software Project Management	Software Project Management	0
34	.Net Technologies	.Net Technologies	0
35	Bio-informatics	Bio-informatics	0
36	Neural Networks & Fuzzy logic	Neural Networks & Fuzzy logic	0
37	Image Processing	Image Processing	0
38	Design Patterns	Design Patterns	0
39	Big Data Analytics	Big Data Analytics	0
40	Enterprise Resource Planning	Enterprise Resource Planning	0
41		Data Structures using C Lab	100
42		Computer Graphics Lab	100
43		Block Chain Technology	100

#### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
MCA	43	6.97

#### B. Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S. No.	Course Title	Course Code	Relevance
1	Discrete Mathematics	20HS0836	Skill Development
2	Computer Organization	20MC9101	Employability
3	Data Structures	20MC9102	Employability

4	Operating System	20MC9103	Employability
5	Object Oriented Programming through C++	20MC9104	Employability
6	Data Structures using C Lab	20MC9105	Employability
7	Object Oriented Programming through C++ Lab	20MC9106	Employability
8	P.C. Software Lab	20MC9107	Employability
9	Computer Networks	20MC9108	Employability
10	JAVA Programming	20MC9109	Employability
11	Computer Graphics	20MC9110	Employability
12	Database Management System	20MC9111	Employability
13	Software Engineering	20MC9112	Employability
14	JAVA Programming Lab	20MC9113	Employability
15	Computer Graphics Lab	20MC9114	Employability
16	Database Management System Lab	20MC9115	Employability
17	Professional Communication Skills Lab(Audit Course)	20HS0863	Skill Development
18	Web Technologies	20MC9116	Employability
19	Mobile Application Development	20MC9117	Employability
20	Data Warehousing and Data Mining	20MC9118	Employability
21	Software Testing	20MC9119	Employability
22	Artificial Intelligence	20MC9120	Employability
23	Distributed Systems	20MC9121	Employability
24	Linux Programming	20MC9122	Employability
25	Network Security	20MC9123	Employability
26	Human Computer Interaction	20MC9124	Employability
27	Advanced Programming(Python & R-Languages)	20MC9125	Employability
28	Internet of Things	20MC9126	Employability
29	E-Commerce	20MC9127	Employability
30	Block Chain Technology	20MC9128	Employability

31	Web Technologies Lab	20MC9129	Skill Development
32	Mobile Application Development Lab	20MC9130	Skill Development
33	Data Warehousing and Data Mining Lab	20MC9131	Skill Development
34	Aptitude Practices	20HS0842	Skill Development
35	Cloud Computing	20MC9132	Employability
36	Cyber Security	20MC9133	Employability
37	Machine Learning	20MC9134	Employability
38	Software Project Management	20MC9135	Employability
39	.Net Technologies	20MC9136	Employability
40	Bio-informatics	20MC9137	Employability
41	Neural Networks & Fuzzy logic	20MC9138	Employability
42	Image Processing	20MC9139	Employability
43	Design Patterns	20MC9140	Employability
44	Big Data Analytics	20MC9141	Employability
45	Enterprise Resource Planning	20MC9142	Employability
46	Seminar	20MC9143	Skill Development
47	Dissertation	20MC9144	Skill Development

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

**Agenda: 3**

Approval of syllabus for the subjects offered to other Departments w.e.f. A.Y. 2020 - 21

**Resolution: 3**

After the thorough discussion syllabus was framed for the following subjects offered to the other departments (given in **Annexure-III**).

- a. Fundamentals of Computer & Information System Lab – I MBA – I SEM (MBA)

**Agenda: 4**

Approval of Panel of Question Paper setters

**Resolution: 4**

Approved the panel of Question Paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**

Approval of Panel of Examiners

**Resolution: 5**

Approved the panel of Examiners prepared for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.

**Members Present**

S. No.	Name of the Member	Designation / Organization	Role of the BOS	Signature
1	Dr. A. Swarupa Rani	Professor & HOD – SIETK	Chairman	A. Swarupa Rani
2	Mr. P. Karthikeyan	Associate Professor – SIETK	Member	P. Karthikeyan
3	Mr. P. Balaji	Associate Professor – SIETK	Member	P. Balaji
4	Mr. J. S. Ananda Kumar	Assistant Professor – SIETK	Member	J. S. Ananda Kumar
5	Ms. P. Sukanya	Assistant Professor – SIETK	Member	P. Sukanya
6	Dr. R. Rajeswara Rao	Professor, Dept. of CSE, JNTU Kakinada, Vijayanagaram.	Member	R. Rajeswara Rao
7	Dr. M. Usha Rani	Professor, Dept. of CSE, SPMVV, Tirupati	Member	M. Usha Rani 28/08/20
8	Dr. Ch. D.V. Subba Rao	Professor, Dept. of CSE, S. V. University college of Engineering, Tirupati.	Member	Ch. D.V. Subba Rao 28/8/2020
9	Mr. E. Prakash	Senior Consultant, Delloite, Bangalore.	Member	E. Prakash
10	Mr. V. Indrasena	Senior Associate, CTS, Mepez, Tambaram, Chennai.	Member	V. Indrasena 28/08/20