SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR

(AUTONOMOUS)

3rd BOS Computer Science and Engineering (CSE)

Date: 18-06-2018

The 3rd meeting of Board of Studies (BOS) in Computer Science and Engineering is held on 18th 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	
2.	Dr.J. Suneetha	Professor - SIETK	Member	
3.	Dr. S. Hrushikesava Raju	Professor - SIETK	Member	
4.	Dr. P. Kavitha Rani	Professor -SIETK	Member	
5.	Dr. P. Ramesh Babu	Professor - SIETK	Member	
6.	Dr. P. Chenna Reddy	Professor, Dept. of CSE, JNTUA, Ananthapuramu	Member	
7.	Dr. C. Sudhakar	Associate Professor, Dept. of CSE, NIT Warangal	Member	Absent
8.	Dr. S. Jyothi	Professor, SPMVV, Tirupati	Member	
9.	Mr. E. Prakash	Senior Consultant, Deloitte Consulting Private Limited, Bangalore.	Member	
10.	Ms. M. Sowmya Harika	Assistant Professor, Sri Padmavathi Mahila Visvavidyalayam, Tirupati	Member	Absent