



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)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BOARD OF STUDIES MINUTES OF MEETING

| S. No | Date | BOARD OF STUDIES MINUTES OF MEETING | PageNo. |
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| 1 | 08-07-2016 | 01 | 02-10 |
| 2 | 23-12-2017 | 02 | 11-18 |
| 3 | 18-06-2018 | 03 | 19-28 |
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| 6 | 19-01-2021 | 06 | 50-53 |

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

1st BoS Meeting of Computer Science and Engineering (CSE)

Date: 08/07/2016

The 1st meeting of Board of Studies (BoS) in Computer Science and Engineering is held on 08th 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 |

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|----|--|--|-----|
| 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 |

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|----|------------------------------------|--|-----|
| 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 |

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|----|--|---------|-------------------|
| 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 |

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|----|--|--|-----|
| 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

| Course | Total courses | Percentage of syllabus changed |
|--------------------------|---------------|--------------------------------|
| CSE M.Tech I and II Year | 28 | 72.61 |

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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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 |

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

2nd BoS Meeting of Computer Science and Engineering (CSE)

Date: 23/12/2017

The 2nd meeting of Board of Studies (BoS) in Computer Science and Engineering is held on 23rd 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 |

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|----|--|--|-----|
| 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 |

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|----|--|---|-----|
| 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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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


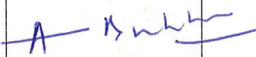
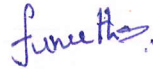
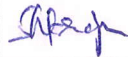

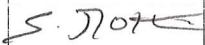


Approval of Panel of examiners.

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 |  |
| 2. | Prof. A. Balasubramani | Professor - SIETK | Member |  |
| 3. | Dr. J. Suneetha | Associate Professor - SIETK | Member |  |
| 4. | Dr. S. Hrushikesava Raju | Associate Professor - SIETK | Member |  |
| 5. | Dr. P. Ramesh Babu | Associate Professor - SIETK | Member |  |
| 6. | Dr. P. Chenna Reddy | Professor, JNTUA, Ananthapuramu | Member | Absent |
| 7. | Dr. C. Sudhakar | Associate Professor, NIT, Warangal | Member | Absent |
| 8. | Dr. S. Jyothi | Professor, SPMVV, Tirupati | Member |  |
| 9. | Mr. E. Prakash | Senior Software Developer, Delloitte, Bengaluru, Karnataka | Member |  |
| 10. | Ms. M. Sowmya Harika | Assistant Professor, Sri Padmavathi Mahila University, Tirupati | Member |  |

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- I | 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 |

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|----|--|----------|-------------------|
| 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 |

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COMPUTER SCIENCE AND ENGINEERING

| | | | |
|----|--|---|-----|
| 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> |

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

4th BoS Meeting of Computer Science and Engineering (CSE)

Date: 14/08/2019

The 4th meeting of Board of Studies (BoS) in Computer Science and Engineering is held on 14th 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

| Course | Total courses | Percentage of syllabus changed |
|-------------------|---------------|--------------------------------|
| CSE M.Tech I Year | 30 | 8.3 |

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.

2019 - 2020

COMPUTER SCIENCE AND ENGINEERING

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


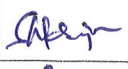






Approval of Panel of examiners

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. SaiyedFaiayazWaris | 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: jyothi.spmvv@gmail.com | Member |  |
| 7 | Dr. S. Ramakrishna | Professor, Department of Computer Science, SVU, Tirupati. Contact No. 9441495972, Email: drsramakrishna@yahoo.com | Member |  |
| 8 | Prof. P. Viswanath, | Professor, Indian Institute of Information Technology, Sri City, Chittoor Dist., Andhra Pradesh. Contact No. 7337324906, Email: viswanath.p@iiits.in , viswanath.pulabaigari@gmail.com | Member | ARSENT |
| 9 | Mr. D. Sriramdeshpande | Senior Project Engineer, Smart Enovation India Limited, Bangalore, Karnataka. Contact No. 8861345177, 9960506473 Email: sriram.d@smartenovations.com ; sriramdeshpande@gmail.com | Member | ARSENT |
| 10 | Mr.C.Srikanth | Assistant Manager, Bank of Baroda, Chennai Contact NO. 9177728557 Email: srikanth.c87@gmail.com | 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

Minutes of 5th BoS Meeting of Computer Science and Engineering (CSE)

Date: 28/08/2020

The 5th meeting of Board of Studies (BoS) in Computer Science and Engineering is held on **28th 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

| Course | Total courses | Percentage of syllabus changed |
|---------------------|---------------|--------------------------------|
| CSE B.Tech III Year | 33 | 76.45 |

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 |
|---------------------------------|---------------|--------------------------------|
| CSE M.Tech I and II Year | 40 | 14.62 |

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




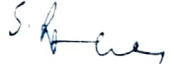
Approval of panel of examiners and paper setters for II and III B.Tech. that comes under R19 & R18 respectively, II M.Tech and I and II M.Tech under R19 and R20 Regulations Respectively.

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: jyothi.spmvv@gmail.com | Member |  |
| 7 | Dr. S. Ramakrishna | Professor, Department of Computer Science, SVU, Tirupati. Contact No. 9441495972, Email: drsramakrishna@yahoo.com | Member |  |
| 8 | Prof. P. Viswanath, | Professor, Indian Institute of Information Technology, Sri City, Chittoor Dist., Andhra Pradesh. Contact No. 7337324906, Email: viswanath.p@iiits.in , viswanath.pulabaigari@gmail.com | Member | ABSENT |
| 9 | Mr. D. Sriram Deshpande | Senior Project Engineer, Smart Enovation India Limited, Bangalore, Karnataka. Contact No. 8861345177, 9960506473 Email: sriram.d@smartenovations.com ; sriramdeshpande@gmail.com | Member |  |
| 10 | Mr.C.Srikanth | Assistant Manager, Bank of Baroda, Chennai Contact NO. 9177728557 Email: srikanth.c87@gmail.com | Member | ABSENT |



**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**

Minutes of 6th BoS Meeting of Computer Science and Engineering (CSE)

Date: 19/01/2021

The 6th meeting of Board of Studies (BoS) in Computer Science and Engineering is held on 19th 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

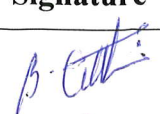

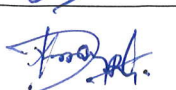
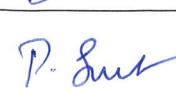
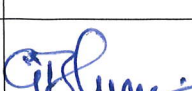
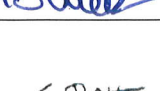
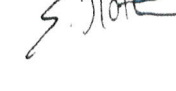
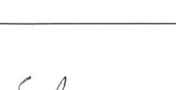
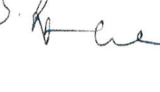
Approval of panel of examiners and paper setters for I B.Tech. under R20 Regulations.

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: jyothi.spmvv@gmail.com | Member |  |
| 7 | Dr. S. Ramakrishna | Professor, Department of Computer Science, SVU, Tirupati. Contact No. 9441495972, Email: drsramakrishna@yahoo.com | Member |  |
| 8 | Prof. P. Viswanath, | Professor, Indian Institute of Information Technology, Sri City, Chittoor Dist., Andhra Pradesh. Contact No. 7337324906, Email: viswanath.p@iiits.in , viswanath.pulabaigari@gmail.com | Member |  |
| 9 | Mr. D. Sriram Deshpande | Senior Project Engineer, Smart Enovation India Limited, Bangalore, Karnataka. Contact No. 8861345177, 9960506473 Email: sriram.d@smartenovations.com ; sriramdeshpande@gmail.com | Member |  |
| 10 | Mr.C.Srikanth | Assistant Manager, Bank of Baroda, Chennai Contact No. 9177728557 Email: srikanth.c87@gmail.com | Member | ABSENT |