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

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

9	English for Professional Communication	Professional English	0
10	Mathematics – II	Engineering Mathematics-II	40
11	Data Structures	Data Structures through C	15
12	Engineering Chemistry	Engineering Chemistry	42
13	Environmental Studies	Environmental Studies	30
14	Data Structures Lab	Data Structures through C Lab	15
15	Engineering Chemistry Lab	Engineering Chemistry Lab	0
16	Engineering & IT Workshop	Engineering & IT Workshop Lab	0
17	Mathematics III	Engineering Mathematics-III	60
18	Database Management Systems	Database Management Systems	0
19	Discrete Mathematics	Mathematical Foundations of Computer Science	80
20	Basic Electrical and Electronics Engineering	Basic Electrical and Electronics Engineering	0
21	Digital Logic Design	Digital Logic Design	6
22	Managerial Economics and Financial Analysis		0
23	Database Management Systems Laboratory	Database Management Systems Lab	0
24	Basic Electrical and Electronics Laboratory	Basic Electrical and Electronics Engineering Lab	0
25	Probability and Statistics	Probability & Statistics	60
26	Software Engineering		0
27	Computer Organization	Computer Organization	34
28	Microprocessors & Interfacing		0
29	Object Oriented Programming using Java	Object Oriented Programming	60
30	Formal Languages and Automata Theory		0
31	Microprocessors & Interfacing Laboratory		0
32	Java Programming Laboratory	Object Oriented Programming Lab	100

33	Comprehensive Online Examination-I	Comprehensive Online Examination-I	0
34		Comprehensive Soft Skills-I	100
35		Human Values & Professional Ethics	100
36		Advanced Data Structures through C++	100
37		Advanced Data Structures through C++ Lab	100
38		Ethical Hacking	100
39		Operating Systems	100
40		Operating Systems Lab	100
41		Comprehensive Online Examination-II	100

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSE B.Tech I and II Year	**41**	**41.44**

B. Course Relevance

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

S.No	Course Title	Course Code	Relevance
1	Functional English	16HS601	Skill Development
2	Computer Programming	16CS501	Employability
3	Engineering Graphics	16ME302	Skill Development
4	English Language and Communication Skills Lab	16HS607	Skill Development
5	Computer Programming Lab	16CS502	Skill Development
6	Professional English	16HS610	Skill Development
7	Human Values & Professional Ethics	16HS606	Employability
8	Data Structures through C	16CS503	Employability
9	Data Structures through C Lab	16CS504	Skill Development
10	Engineering & IT Workshop Lab	16ME301	Skill Development
11	Environmental Studies	16HS605	Employability

12	Advanced Data Structures through C++	16CS505	Employability
13	Digital Logic Design	16CS506	Employability
14	Basic Electrical and Electronics Engineering	16EE207	Skill Development
15	Advanced Data Structures through C++ Lab	16CS508	Skill Development
16	Basic Electrical and Electronics Engineering Lab	16EE208	Skill Development
17	Ethical Hacking	16CS538	Employability
18	Object Oriented Programming	16CS509	Employability
19	Computer Organization	16CS510	Employability
20	Database Management Systems	16CS511	Employability
21	Operating Systems	16CS512	Employability
22	Object Oriented Programming Lab	16CS513	Skill Development
23	Database Management Systems Lab	16CS514	Skill Development
24	Operating Systems Lab	16CS515	Skill Development

A. Course & Syllabus Comparison

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

I and II M.Tech

S.No	R09 Regulation	R16 Regulation	Percentage of course content changed
1	Advanced Data Structures and Algorithms	Advanced Data structures and Algorithms	0
2	Discrete Structures		0
3	Computer System Design		0
4	Java and Web Technologies	Java & Web Technologies	0
5	Software Engineering	Object Oriented Software Engineering	100
6	Advances in Databases	Advances in Databases (PE-I)	50
7	Distributed Databases		0
8	Computer Vision	Computer Vision (PE-I)	100
9	Software Lab- 1 (Covering the experiments: Data structures & Algorithms and Web Technologies)	Software Lab- 1	50
10	Software Quality Assurance and Testing		0

11	Object Oriented Analysis and Design	Object Oriented Analysis and Design	0
12	Advanced Computer Networks	Advanced Computer Networks	7
13	Distributed Systems		0
14	Data Warehousing and Mining		0
15	Software Architecture	Software Architecture and Design Patterns	100
16	Software Design		0
17	Design Patterns		0
18	Software Lab- 2 (Covering the experiments: OOAD & Data Warehousing and Mining)	Software Lab- 2	100
19		Programming in Python	100
20		Cyber Crime Investigations and Digital Forensics	100
21		Advanced Operating Systems (PE-I)	100
22		Cloud Computing	100
23		Data Analytics	100
24		Machine Learning (PE-II)	100
25		Distributed Systems (PE-II)	100
26		Image Processing and Pattern Recognition (PE-II)	100
27	Seminar	Seminar	0
28	Project work	Project Work	0

Consolidated Sheet

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.

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.	Mr. A. Balasubramani	Professor – SIETK	Member	
3.	Mrs. J. Suneetha	Associate Professor - SIETK	Member	
4.	Mr. S. Hrushikesava Raju	Associate Professor - SIETK	Member	
5.	Mr. P. Ramesh Babu	Associate Professor - SIETK	Member	
6.	Dr. P. Chenna Reddy	Professor, JNTUA, Ananthapuramu	Member	
7.	Dr. C. Sudhakar	Associate Professor, NIT Warangal	Member	
8.	Dr. S. Jyothi	Professor, SPMVV, Tirupati	Member	
9.	Mr. E. Prakash	Senior Software Developer, Inautix Technology Pvt.Ltd, Chennai	Member	
10.	Ms. M. Sowmya Harika	Assistant Professor, Sri Padmavathi Mahila University, Tirupati	Member	

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 yearof UG in CSE (given in **Annexure –II**) and is applicable from the A.Y., 2018-19.

A. Course & Syllabus Comparison

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

III and IV B.Tech

S.No	R15 Regulation	R16 Regulation	Percentage of course content changed
1	Operating Systems		0
2	Computer Networks	Computer Networks	26
3	Object Oriented Analysis and Design	Object Oriented Analysis and Design	30
4	Principles of Programming Languages		0
5	Software Testing	Software Testing	0
6	Introduction to Big Data	Big Data	0
7	R Programming		0

8	Intrduction to Operating Management		0
9	Object Oriented Analysis and Design & Software Testing Laboratory	Software Testing and CASE tools Lab	10
10	Operating Systems Laboratory		0
11	Social Values & Ethics (Audit Course		0
12	Compiler Design	Compiler Design	8
13	Data Warehousing & Mining	Data Warehousing and Data Mining	35
14	Design Patterns		0
15	Design and Analysis of Algorithms		0
16	Web and Internet Technologies	Web Technologies	65
17	Artificial Intelligence	Artificial Intelligence	25
18	Linux Environment System		0
19	System Applications & Product	System Applications & Product	0
20	Intellectual Property Rights	Intellectual Property Rights	0
21	Web and Internet Technologies Laboratory	Web Technologies Lab	100
22	Data Warehousing & Mining Laboratory	Data Warehousing and Data Mining Lab	10
23	Advanced English Language Communication Skills(AELCS) Laboratory) (Audit Course)	Advanced English Language and Communication Skills Lab	20
24	Comprehensive Online Examination-II	Comprehensive Online Examination-IV	0
25	Management Science		0
26	Grid & Cloud Computing	Cloud Computing	100
27	Information Security		0
28	Mobile Application Development	Mobile Application Development	100
29	Software Architecture		0

30	Computer Graphics		0
31	Machine Learning		0
32	Software Project	Software Project Management	0
33	Distributed Systems		0
34	Real Time Systems	Real Time Systems	100
35	Grid & Cloud Computing Laboratory		0
36	Mobile Application Development Laboratory	Mobile Application development Lab	100
37	MOOCS-II	MOOC courses-offered by SWAYAM/ NPTEL/ NISTE-suggested by the department (online courses)	0
38	Data Analytics	Data Science & Analytics	35
39	Mobile Computing	Mobile Computing	0
40	Innovations and IT Management		0
41	MOOCS-III		0
42	Building Large Scale Software Systems		0
43	Enabling Technologies for Data Science Analytics: IoT		0
44	Cyber Security	Cyber Security	60
45	Comprehensive Viva-Voce		0
46	Technical Seminar	Seminar	0
47	Project Work	Project	0
48		Unix & Shell Programming	100
49		Formal Languages and Automata Theory	100
50		Software Engineering& Architecture	100
51		Design and Analysis of Algorithms	100
52		Unix & Shell Programming Lab	100

53		Comprehensive Online Examination-III	100
54		Microprocessors & Microcontrollers	100
55		Computer Networks and Microprocessors & Micro Controllers Lab	100
56		Aptitude Practice-I	100
57		Aptitude Practice-II	100
58		Managerial Economics and Financial Analysis	100
59		Human Computer Interaction	100
60		Elements of Road Traffic Safety	100
61		Neural Networks & Fuzzy Logic	100
62		Non-Conventional Energy Resources	100
63		MATLAB Programming	100
64		Entrepreneurship Development	100
65		Python Programming	100

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSE B.Tech III and IV Year	**65**	**59.63**

B. Course Relevance

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

S.No	Course Title	Course Code	Relevance
1	Unix & Shell Programming	16CS516	Employability
2	Formal Languages and Automata Theory	16CS517	Employability
3	Software Engineering& Architecture	16CS518	Employability
4	Web Technologies	16CS519	Employability
5	Big Data	16CS520	Employability

6	Design and Analysis of Algorithms	16CS521	Employability
7	Unix & Shell Programming Lab	16CS522	Skill Development
8	Web Technologies Lab	16CS523	Skill Development
9	Compiler Design	16CS524	Employability
10	Software Testing	16CS525	Employability
11	Object Oriented Analysis and Design	16CS526	Employability
12	Computer Networks	16CS527	Employability
13	Software Testing and CASE tools Lab	16CS528	Skill Development
14	Computer Networks and Microprocessors & Micro Controllers Lab	16CS529	Skill Development
15	Cyber Security	16CS530	Employability
16	Data Warehousing and Data Mining	16CS531	Employability
17	Mobile Application Development	16CS532	Employability
18	System Applications & Product	16CS533	Employability
19	Software Project Management	16CS534	Employability
20	Human Computer Interaction	16CS535	Employability
21	Data Science & Analytics	16CS536	Employability
22	Artificial Intelligence	16CS537	Employability
23	Cloud Computing	16CS538	Employability
24	Ethical Hacking	16CS538	Employability
25	Data Warehousing and Data Mining Lab	16CS539	Skill Development
26	Mobile Application development Lab	16CS540	Skill Development
27	Mobile Computing	16CS541	Employability
28	Real Time Systems	16CS542	Employability
29	Python Programming	16CS543	Employability
30	Seminar	16CS547	Skill Development
31	Project	16CS548	Skill Development
32	Microprocessors & Microcontrollers	16EC423	Skill Development
33	Matlab Programming	16EC443	Skill Development
34	Neural Networks & Fuzzy Logic	16EE239	Skill Development
35	Advanced English Language and Communication Skills Lab	16HS615	Skill Development
36	Aptitude Practice-I	16HS616	Skill Development
37	Aptitude Practice-II	16HS617	Skill Development
38	Managerial Economics and Financial Analysis	16MB750	Entrepreneurship
39	Entrepreneurship Development	16MB751	Entrepreneurship
40	Intellectual Property Rights	16MB752	Skill Development
41	Non-Conventional Energy Resources	16ME313	Skill Development

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

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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 PaperWriting	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.

2018-2019

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

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR
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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. Approvalof 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-1	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 PaperWriting	English for Research PaperWriting	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 PaperWriting	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.

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	ABSENT
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	ABSENT
10	Mr.C.Srikanth	Assistant Manager, Bank of Baroda, Chennai Contact N0. 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 EngineeringProjects	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. Bhuvaneswari	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 N0. 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