



**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 7th BoS Meeting of Computer Science and Engineering (CSE)

Date: 12/07/2021

The 7th meeting of Board of Studies (BoS) in Computer Science and Engineering is held on **12th July, 2021 (Monday) 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 Seventh BoS meeting and discussed about the following agenda:

1. To discuss and frame the Course structure and syllabi for **IV year B.Tech. CSE (Computer Science and Engineering)** under R18 Regulation.
2. To discuss and frame the Course structure and syllabi for **III year B.Tech. CSE (Computer Science and Engineering)** under R19 Regulation.
3. To discuss and frame the Course structure and syllabi for **II year B.Tech. CSE (Computer Science and Engineering)** under R20 Regulation.
4. To discuss and frame the Course structure and syllabi for **II year B.Tech. CSE (Artificial Intelligence and Machine Learning) and CSE (Internet of Things and Cyber Security including Block Chain Technology)** Specializations under R20 Regulation.
5. To discuss and frame the Course structure and syllabi for **I year B.Tech. CSE (Artificial Intelligence and Data Science) and Computer Science and Engineering with Specialization in Cloud Computing** under R20 Regulation.
6. To approve panel of examiners and paper setters for I, II, III & IV B.Tech. that come under R20, R19 & R18 respectively.
7. Any other item.

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

Minutes:

Agenda: 1

Approval of Course Structure and syllabi for IV year B.Tech.- CSE under R18 Regulation.

Resolution: 1

After detailed discussion the BOS resolved to approve the R18 Regulation, Course Structure and syllabi for IV year B.Tech (given in **Annexure –I**).

A. Course & Syllabus Comparison

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

IV B.Tech

S.No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Managerial Economics and Financial Analysis		-
2	Cyber Security		-
3	Data Warehousing and Data Mining		-
4	Mobile Application Development	Mobile Application Development	0
5	System Applications & Product		-
6	Software Project Management		-
7	Human Computer Interaction	Human Computer Interaction	0
8	Elements of Road Traffic Safety		-
9	Neural Networks & Fuzzy Logic		-
10	Non-Conventional Energy Resources		-
11	Matlab Programming	MATLAB Programming	20
12	Intellectual Property Rights		-
13	Data Warehousing and Data Mining Lab		-
14	Mobile Application development Lab	Mobile Application Development LAB	0
15	Entrepreneurship Development		-

16	Data Science & Analytics		-
17	Artificial Intelligence		-
18	Cloud Computing	Cloud Computing	0
19	Mobile Computing		-
20	Real Time Systems		-
21	Python Programming		-
22	MOOC courses-offered by SWAYAM/ NPTEL/ NISTE-suggested by the department (online courses)	MOOC-I	0
23	Seminar		-
24	Project	Project Phase-II	0
25		Management Science	100
26		Artificial Intelligence & Machine Learning	100
27		Information Retrieval System	100
28		Big Data Analytics	100
29		Information Security	100
30		Data Science	100
31		Cyber Security	100
32		Soft Computing	100
33		Project Planning and Control	100
34		Solar Photovoltaic Systems	100
35		Computer Aided Process Planning	100
36		Entrepreneurship Development	100
37		Machine Learning LAB	100
38		Project Phase-I	100
39		Comprehensive Viva Voce	100

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSE B.Tech IV Year	23	66.08

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	Management Science	18HS0813	Skill Development
2	Mobile Application Development	18CS0527	Employability
3	Artificial Intelligence & Machine Learning	18CS0535	Employability
4	Cloud Computing	18CS0536	Employability
5	Information Retrieval System	18CS0537	Employability
6	Big Data Analytics	18CS0538	Employability
7	Human Computer Interaction	18CS0539	Employability
8	Information Security	18CS0540	Employability
9	Data Science	18CS0541	Employability
10	Cyber Security	18CS0542	Employability
11	Soft Computing	18CS0543	Employability
12	Project Planning and Control	18CE0146	Skill Development
13	Solar Photovoltaic Systems	18EE0236	Skill Development
14	Computer Aided Process Planning	18ME0353	Skill Development
15	MATLAB Programming	18EC0450	Skill Development
16	Entrepreneurship Development	18HS0815	Entrepreneurship
17	Mobile Application Development LAB	18CS0528	Employability
18	Machine Learning LAB	18CS0529	Employability
19	Project Phase-I	18CS0530	Skill Development
20	MOOC-I		Skill Development
21	MOOC-II		Skill Development
22	Project Phase-II	18CS0534	Skill Development
23	Comprehensive Viva Voce	18CS0545	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 Course Structure and syllabi for III year B.Tech.- CSE under R19 Regulation

Resolution: 2

The BOS resolved to approve the Course Structure and Syllabi framed for the III 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 III year has the following modifications, which are given in the below table.

III B.Tech

S.No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Managerial Economics and Financial Analysis		-
2	Compiler Design	Compiler Design	0
3	Computer Networks	Computer Networks	0
4	Design and Analysis of Algorithms	Design and Analysis of Algorithms	0
5	Python Programming		-
6	Analysis of Algorithms Lab	Analysis of Algorithms Lab	0
7	Python Programming Lab		-
8	Object Oriented Analysis and Design Lab		-
9	Aptitude Practices		-
10	Data Warehousing and Data Mining	Data Warehousing and Data Mining	0
11	Software Engineering	Software Engineering	0
12	Web Technologies	Web Technologies	0
13	Advanced Operating Systems		-
14	Linux Programming		-
15	Quantum Computing		-
16	Elements of Road Traffic Safety	Elements of Road Traffic Safety	0
17	Industrial Instrumentation		-
18	Non-Conventional Energy Resources	Non-Conventional Energy Resources	0

19	Introduction to IOT	Introduction to IOT	0
20	Intellectual Property Rights		-
21	Data Mining Lab	Data Mining Lab	0
22	Web Technologies Lab	Web Technologies Lab	20
23	Internship (60 Hours)		-
24	Comprehensive Online Examination-II		-
25	English for Corporate Communication Skills Lab	English for Corporate Communication Skills Lab	30
26		Solar Photovoltaic Systems	100
27		Business Ethics	100
28		Linux Programming Lab	100
29		Human Values & Professional Ethics	100
30		Artificial Intelligence & Machine Learning	100
31		Big Data Analytics	100
32		Project Planning and Control	100
33		Neural Networks & Fuzzy Logic	100
34		Computer Aided Process Planning	100
35		MAT LAB Programming	100
36		Strategic Management	100
37		Machine Learning Lab	100
38		Big Data Analytics Lab	100

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSE B.Tech III Year	26	51.92

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	Compiler Design	19CS0515	Employability
2	Design and Analysis of Algorithms	19CS0516	Employability
3	Data Warehousing and Data Mining	19CS0517	Employability
4	Software Engineering	19CS0518	Employability
5	Elements of Road Traffic Safety	19CE0129	Skill Development
6	Solar Photovoltaic Systems	19EE0239	Skill Development
7	Non-Conventional Energy Resources	19ME0313	Skill Development
8	Introduction to IOT	19EC0450	Skill Development
9	Business Ethics	19HS0861	Entrepreneurship
10	Analysis of Algorithms Lab	19CS0519	Employability
11	Data Mining Lab	19CS0520	Employability
12	Linux Programming Lab	19CS0521	Employability
13	Human Values & Professional Ethics	19HS0858	Skill Development
14	Artificial Intelligence & Machine Learning	19CS0522	Employability
15	Big Data Analytics	19CS0523	Employability
16	Computer Networks	19CS0524	Employability
17	Web Technologies	19CS0525	Employability
18	Project Planning and Control	19CE0147	Skill Development
19	Neural Networks & Fuzzy Logic	19EE0231	Skill Development
20	Computer Aided Process Planning	19ME0353	Skill Development
21	MAT LAB Programming	19EC0451	Skill Development
22	Strategic Management	19HS0862	Entrepreneurship
23	Machine Learning Lab	19CS0526	Employability
24	Big Data Analytics Lab	19CS0527	Employability
25	Web Technologies Lab	19CS0528	Employability
26	English for Corporate Communication Skills Lab	19HS0859	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 B.Tech - CSE under R20 Regulation.

Resolution: 3

After detailed discussion the BOS resolved to approve the syllabi for II year B.Tech I & II – Semesters under R20 Regulation (given in **Annexure –III**).

A. Course & Syllabus Comparison

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

II B.Tech

S.No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Microprocessors & Microcontrollers	Microprocessors and Microcontrollers	0
2	Computer Organization & Architecture	Computer Organization & Architecture	0
3	C and Data Structures		-
4	Database Management Systems	Database Management Systems	0
5	Water Technology		-
6	Generation of Energy Through Waste		-
7	Fundamentals of Mechanical Engineering		-
8	Introduction to Communication Systems		-
9	Management Science		-
10	Microcontroller and Applications Lab	Microprocessors and Microcontrollers Lab	0
11	C and Data Structures Lab		-
12	Database Management Systems Lab	Database Management Systems Lab	0
13	Indian Constitution		-
14	Discrete Mathematics	Discrete Mathematics	0
15	Formal Languages and Automata Theory	Formal Languages and Automata Theory	0
16	Object Oriented Programming through Java	Object Oriented Programming through Java	0
17	Operating Systems	Operating Systems	0

18	Fundamentals of Urban Planning		-
19	Industrial Instrumentation		-
20	Mechanical Measurements & Control Systems		-
21	Elements of Embedded Systems		-
22	Intellectual Property Rights		-
23	Object Oriented Programming through Java Lab	Object Oriented Programming through Java Lab	0
24	Operating Systems lab	Operating Systems Lab	0
25	Object oriented Analysis and design lab		-
26	Environmental Science		-
27		Managerial Economics and Financial Analysis	100
28		Human Values and Professional Ethics	100
29		Visual Effects-VFX	100
30		Python Programming	100
31		Computer Networks	100
32		Python Programming Lab	100
33		Linux Programming Lab	100
34		Animation Design	100

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
CSE B.Tech II Year	19	42.10

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	20HS0812	Skill Development
2	Computer Organization & Architecture	20CS0504	Employability
3	Database Management Systems	20CS0505	Employability
4	Object Oriented Programming through Java	20CS0506	Employability
5	Operating Systems	20CS0507	Employability
6	Database Management Systems Lab	20CS0508	Employability
7	Object Oriented Programming through Java Lab	20CS0509	Employability
8	Operating Systems Lab	20CS0510	Employability
9	Human Values and Professional Ethics	20HS0864	Skill Development
10	Visual Effects-VFX	20CS0546	Skill Development
11	Discrete Mathematics	20HS0836	Skill Development
12	Microprocessors and Microcontrollers	20EC0416	Skill Development
13	Python Programming	20CS0511	Employability
14	Formal Languages and Automata Theory	20CS0512	Employability
15	Computer Networks	20CS0513	Employability
16	Microprocessors and Microcontrollers Lab	20EC0418	Employability
17	Python Programming Lab	20CS0514	Employability
18	Linux Programming Lab	20CS0515	Employability
19	Animation Design	20CS0547	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 Course Structure and Syllabi for I year B.Tech (Artificial Intelligence and Data Science) and CSE with cloud computing Specializations under R20 Regulation

Resolution: 4

After detailed discussion the BOS resolved to approve the Syllabi for I year B.Tech. (Artificial Intelligence and Data Science) and CSE with cloud computing Specializations under R20 Regulation. (given in **Annexure –IV**).

Agenda: 5

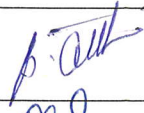


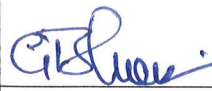


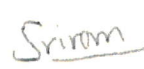
Approval of panel of examiners and paper setters for I II, III & IV B.Tech. that come under R20, R19 & R18 Regulations respectively

Resolution: 5

Approved the panel of examiners and paper setters for I II, III & IV B.Tech. that come under R20, R19 & R18 Regulations respectively (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 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-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	
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