

Date: 30/11/2022

Minutes of Meeting - Board of Studies (BOS)

Minutes of Meeting of Board of Studies of Computer Science and Design Department held on 30th November, 2022 at 05.00 PM in Online Mode.

S. No.	Name of the Faculty	Designation	Signature
1	Dr. G. Govinda Rajulu, Professor & HOD (CSD), SMEC.	Chairman	G. Govinda Rajulu
2	Dr. V. Kamakshi Prasad, Professor of CSE & BoS Chairperson, JNTUH College of Engineering, Hyderabad.	University Nominee	V. Kamakshi Prasad
3	Dr. K. Venkatesh Sharma, Professor, Dept. of CSE, CVR College of Engineering, Hyderabad.	Educationist	K. Venkatesh Sharma
4	Dr. P. L. Srinivasa Murthy, Professor, Department of CSE, Institute of Aeronautical Engineering, Dundigal, Hyderabad.	Educationist	P. L. Srinivasa Murthy
5	Mr. Bonthala Mallikarjuna Aswanth Kumar, Lead Technology, Synechron, Hyderabad	Industrialist	B. M. Aswanth Kumar
6	Dr. S.V.S. Rama Krishnam Raju, Professor of ECE, Dean Academics, Professor of ECE, SMEC.	Member	S.V.S. Rama Krishnam Raju
7	Dr. D. Ranadheer Reddy, Professor & HOD, Department of S&H, SMEC.	Member	D. Ranadheer Reddy
8	Dr. R. Santhoshkumar, Professor & HOD, Dept. of CSE, SMEC.	Faculty Member	R. Santhoshkumar
9	Dr. R. Nagaraju, Professor & HOD, Dept. of IT, SMEC.	Faculty Member	R. Nagaraju
10	Dr. K. Srinivas, Professor, Dept. of CSE (AI & ML), SMEC.	Faculty Member	K. Srinivas
11	Dr. N. Satheesh, Professor, Dept. of CSE, SMEC.	Faculty Member	N. Satheesh
12	Mr. Pannati Nagesh, React Front End Developer, Syncor Solutions, Hyderabad.	Alumni Member	P. Nagesh

The meeting began with Chairman, Board of Studies extending a warm welcome to all the members participating in the meeting.

The Following were discussed and approved during the Meeting

1. The following SMEC R22 Course Structure and the detailed syllabus of B. Tech I-I, I-II, II-I and II-II were presented, discussed and approved. The total credits for the Programme were discussed, finalized and approved.

I YEAR I SEMESTER

S. No.	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Internal (CIE)	External (SEE)	Total
1	MA101BS	Matrices and Calculus	3	1	0	4	40	60	100
2	CH102BS	Engineering Chemistry	3	1	0	4	40	60	100
3	CS105ES	Programming for Problem Solving	3	0	0	3	40	60	100
4	EE106ES	Basic Electrical Engineering	2	0	0	2	40	60	100
5	ME108ES	Computer Aided Engineering Graphics	1	0	4	3	40	60	100
6	CS106ES	Elements of Computer Science & Engineering	0	0	2	1	50	-	50
7	CH104BS	Engineering Chemistry Laboratory	0	0	2	1	40	60	100
8	CS107ES	Programming for Problem Solving Laboratory	0	0	2	1	40	60	100
9	EE108ES	Basic Electrical Engineering Laboratory	0	0	2	1	40	60	100
10		Induction Program	-	-	-	-	-	-	-
Total			12	2	12	20	370	480	850

I YEAR II SEMESTER

S. No.	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Internal (CIE)	External (SEE)	Total
1	MA201BS	Ordinary Differential Equations and Vector Calculus	3	1	0	4	40	60	100
2	AP202BS	Applied Physics	3	1	0	4	40	60	100
3	ME207ES	Engineering Workshop	0	1	3	2.5	40	60	100
4	EN204HS	English for Skill Enhancement	2	0	0	2	40	60	100
5	EC203ES	Electronic Devices and Circuits	2	0	0	2	40	60	100
6	AP203BS	Applied Physics Laboratory	0	0	3	1.5	40	60	100
7	CS205ES	Python Programming Laboratory	0	1	2	2	40	60	100
8	EN205HS	English Language and Communication Skills Laboratory	0	0	2	1	40	60	100
9	CS206ES	IT Workshop	0	0	2	1	40	60	100
Total			10	4	12	20	360	540	900
MANDATORY COURSE (NON – CREDIT)									
10	*CH209MC	Environmental Science	3	0	0	0	100	-	100

MC – Satisfactory/Unsatisfactory

II YEAR I SEMESTER

S. No.	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Internal (CIE)	External (SEE)	Total
1	EC311PC	Digital Electronics	3	0	0	3	40	60	100
2	CS301PC	Data Structures	3	0	0	3	40	60	100
3	MA302BS	Computer Oriented Statistical Methods	3	1	0	4	40	60	100
4	CS304PC	Computer Organization and Architecture	3	0	0	3	40	60	100
5	CS303PC	Object Oriented Programming through Java	3	0	0	3	40	60	100
6	CS307PC	Data Structures Lab	0	0	3	1.5	40	60	100
7	CS308PC	Object Oriented Programming through Java Lab	0	0	3	1.5	40	60	100
8	CS310PC	Data visualization- R Programming/ Power BI	0	0	2	1	40	60	100
Total			15	1	8	20	320	480	800
MANDATORY COURSE (NON – CREDIT)									
9	*GS309MC	Gender Sensitization Lab	0	0	2	0	100	-	100

II YEAR II SEMESTER

S. No.	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Internal (CIE)	External (SEE)	Total
1	CS401PC	Discrete Mathematics	3	0	0	3	40	60	100
2	BE404MS	Business Economics & Financial Analysis	3	0	0	3	40	60	100
3	CS402PC	Operating Systems	3	0	0	3	40	60	100
4	CS405PC	Database Management Systems	3	0	0	3	40	60	100
5	CS403PC	Software Engineering	3	0	0	3	40	60	100
6	CS406PC	Operating Systems Lab	0	0	2	1	40	60	100
7	CS407PC	Database Management Systems Lab	0	0	2	1	40	60	100
8	CSG410PC	Real-time Research Project/ Field Based Research Project	0	0	4	2	50	-	50
9	CS411PC	Node JS/ React JS/ Django	0	0	2	1	40	60	100
Total			15	0	10	20	370	480	850
MANDATORY COURSE (NON – CREDIT)									
10	*CI409MC	Constitution of India	3	0	0	0	100	-	100

MC – Satisfactory/Unsatisfactory

2. The following SMEC R22 Course Structure for B. Tech III-1, III-II and IV-I, IV-II Year were presented, discussed and approved. And the total credits for the Programme were discussed, finalized and approved.

III YEAR I SEMESTER

S. No.	Course Title	Hours per Week			Credits	Maximum Marks		
		L	T	P		Internal (CIE)	External (SEE)	Total
1	Design Thinking	3	1	0	4	40	60	100
2	Computer Networks	3	0	0	3	40	60	100
3	Computer Graphics	3	0	0	3	40	60	100
4	Professional Elective-I	3	0	0	3	40	60	100
5	Professional Elective -II	3	0	0	3	40	60	100
6	Computer Networks Lab	0	0	2	1	40	60	100
7	Computer Graphics Lab	0	0	2	1	40	60	100
8	Advanced Communication Skills Lab	0	0	2	1	40	60	100
9	Skill Development Course(UI design- Flutter)	0	0	2	1	40	60	100
Total		15	1	8	20	360	540	900
MANDATORY COURSE (Non – Credit)								
10	Intellectual Property Rights	3	0	0	0	100	-	100

III YEAR II SEMESTER

S. No.	Course Title	Hours per Week			Credits	Maximum Marks		
		L	T	P		Internal (CIE)	External (SEE)	Total
1	Algorithm Design and Analysis	3	0	0	3	40	60	100
2	Formal Languages and Automata Theory	3	0	0	3	40	60	100
3	Introduction to Engineering Design	3	0	0	3	40	60	100
4	Professional Elective – III	3	0	0	3	40	60	100
5	Open Elective-I	3	0	0	3	40	60	100
6	Engineering Design Lab	0	0	4	2	40	60	100
7	Professional Elective-III Lab	0	0	2	1	40	60	100
8	Industrial Oriented Mini Project/ Internship/Skill Development Course (Google Animation/ Hadoop Flash/ Open Toonz)	0	0	4	2	-	100	100
Total		15	0	10	20	280	520	800
MANDATORY COURSE (NON – CREDIT)								
10	Environmental Science	3	0	0	0	100	-	100

Environmental Science in III Yr II Sem Should be Registered by Lateral Entry Students Only.

IV YEAR I SEMESTER

S. No.	Course Title	Hours per Week			Credits	Maximum Marks		
		L	T	P		Internal (CIE)	External (SEE)	Total
1	Design Drawing and Visualization	3	0	0	3	40	60	100
2	Compiler Design	3	0	0	3	40	60	100
3	Professional Elective -IV	3	0	0	3	40	60	100
4	Professional Elective -V	3	0	0	3	40	60	100
5	Open Elective – II	3	0	0	3	40	60	100
6	Design Drawing and Visualization Lab	0	0	2	1	40	60	100
7	Compiler Design Lab	0	0	2	1	40	60	100
8	Project Stage – I	0	0	6	3	-	-	-
Total		15	0	10	20	280	420	700

IV YEAR II SEMESTER

S. No.	Course Title	Hours per Week			Credits	Maximum Marks		
		L	T	P		Internal (CIE)	External (SEE)	Total
1	Organizational Behaviour	3	0	0	3	40	60	100
2	Professional Elective – VI	3	0	0	3	40	60	100
3	Open Elective – III	3	0	0	3	40	60	100
4	Seminar	0	0	4	2	-	-	-
5	Project Stage – II	0	0	18	9	40	60	100
Total		9	0	22	20	160	240	400

Professional Elective-I	Professional Elective - II
Quantum Computing	Design Process and Prospects
Design of Interactive Systems	Embedded Systems
Data Analytics	Information Retrieval Systems
Image Processing	Distributed Databases
Systems Management	Natural Language Processing
Professional Elective - III	Professional Elective -IV
Full Stack Development	Graph Theory
Internet of Things	Virtual Reality
Scripting Languages	Soft Computing
Mobile Application Development	Cloud Computing
Software Testing Methodologies	Ad hoc & Sensor Networks
Professional Elective - V	Professional Elective – VI
Computer Game Design and Programming	Computer Vision and Robotics
Agile Methodology	Computer Aided Geometric design
Robotic Process Automation	Deep Learning
Simulation and Modeling	Human Computer Interaction
Visual Design and Communications	VFX Animation

Courses in PE - III and PE - III Lab must be in 1-1 correspondence

Open Electives offered by the Department of CS&D for Others

Open Elective -I	Open Elective -II	Open Elective -III
Data Structures	Operating Systems	Algorithms Design and Analysis
Database Management Systems	Software Engineering	Introduction to Computer Networks

The following points were suggested in the BOS meeting

The meeting ended with chairman thanking members for their lively and useful interaction to evolve a best possible course structure and syllabus for the B. Tech Computer Science and Design (CSD) Programme.

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

SMEC R22
Proposed Course Structure
(I Year to IV Year)
&
Syllabus
(I Year & II Year)

II YEAR II SEMESTER COURSE STRUCTURE

S. No.	Course Code	SMEC SYLLABUS		JNTUH SYLLABUS	
		Course Title	SMEC Credits	Course Title	JNTUH Credits
1.	CS-401PC	Discrete Mathematics	3	Discrete Mathematics	3
2.	BE-404MS	Business Economics & Financial Analysis	3	Business Economics & Financial Analysis	3
3.	CS-402PC	Operating Systems	3	Operating Systems	3
4.	CS-403PC	Database Management Systems	3	Database Management Systems	3
5.	CS-404PC	Software Engineering	3	Software Engineering	3
6.	CS-406PC	Operating Systems Lab	1	Operating Systems Lab	1
7.	CS-407PC	Database Management Systems Lab	1	Database Management Systems Lab	1
8.	CSQ-10PC	Real time Research Project / Field Based Research Project	2	Real time Research Project / Field Based Research Project	2
9.	CS-411PC	Nale JS / React JS / Django	1	Nale JS / React JS / Django	1
10.	*CI409MC	Constitution of India	0	Constitution of India	0
TOTAL CREDITS			20	TOTAL CREDITS	20

*Note: The above Highlighted Course Structure, Syllabus, Credits with Yellow colour are discussed and Approved in Common BOS Meeting

III YEAR I SEMESTER COURSE STRUCTURE

S. No.	SMEC SYLLABUS		JNTUH SYLLABUS		
	Course Title	SMEC Credits	Course Title	JNTUH Credits	
1.	Design Thinking	4	Design Thinking	4	
2.	Computer Networks	3	Computer Networks	3	
3.	Computer Graphics	3	Computer Graphics	3	
4.	Professional Elective-I	3	Professional Elective-I	3	
5.	Professional Elective -II	3	Professional Elective -II	3	
6.	Computer Networks Lab	1	Computer Networks Lab	1	
7.	Computer Graphics Lab	1	Computer Graphics Lab	1	
8.	Advanced Communication Skills Lab	1	Advanced Communication Skills Lab	1	
9.	UI design- Flutter	1	UI design- Flutter	1	
10.	Intellectual Property Rights	0	Intellectual Property Rights	0	
TOTAL CREDITS			20	TOTAL CREDITS	20

Copy to:
 1. Principal
 2. IQAC

Chairman
G. Govinda Rajulu
Dr. G. Govinda Rajulu
HOD (CSD)

Head of the Department
Department of Computer Science and Design :
St. Martin's Engineering College
Dhulapally, Secunderabad, Telangana-500106