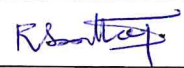



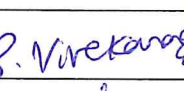
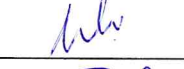

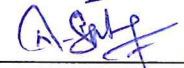

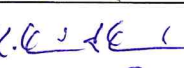
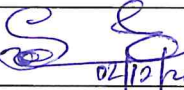
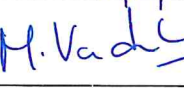



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 02/12/2022

MINUTES OF MEETING - BOARD OF STUDIES (BOS)

The Meeting of the Board of Studies of CSE was held on 02nd December 2022 at 11.00 AM at IQAC, MG Block. The following members were present.

S. No.	Name of the Members	Designation	Signature
1	Dr. R. Santhoshkumar Associate Professor & HoD, Department of CSE, SMEC	Chairman	
2	Dr. P. Sannulal Professor of CSE, JNTUH, CEJ	University Nominee	
3	Dr. G. R. Anantha Raman Professor & HoD, Dept. of CSE, MRIET, Secunderabad.	Educationist	
4	Dr. V. Sathiyasuntharam Professor & HoD, Dept. of CSE(Cyber Security), CMREC, Hyderabad.	Educationist	
5	Mr. B. Vivekananda Kumar Technical Associate, GENPACT India Pvt. Ltd.	Industrialist	
6	Dr. S.V.S. Rama Krishnam Raju Professor of ECE & Dean Academics, SMEC	Member	
7	Dr. D. Ranadheer Reddy Professor & HOD, Department of S&H, SMEC	Member	
8	Dr. N. Satheesh Professor, Department of CSE, SMEC	Faculty Member	
9	Dr. G. JawaharlalNehru Associate Professor, Department of CSE, SMEC	Faculty Member	
10	Dr. K. Gurnadha Gupta Associate Professor, Department of CSE, SMEC	Faculty Member	
11	Dr. P. Sai Prasad Associate Professor, Department of CSE, SMEC	Faculty Member	
12	Dr. M. Vadivukarassi Associate Professor, Department of CSE, SMEC	Faculty Member	
13	Ms. Prathyusha Gade Business Intelligence Engineer 1 Amazon, Hyderabad	Alumni Member	

The Meeting began with chairman, Board of studies extending a warm welcome to all the members of participating in the meeting.

The following points were discussed and approved during the meeting

1. The following SMEC R22 Course Structure and the detailed syllabi of B.Tech for 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 Programme	-	-	-	-	-	-	-
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	CS205ES	Python Programming Laboratory	0	1	2	2	40	60	100
7	AP203BS	Applied Physics Laboratory	0	0	3	1.5	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

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	CS410PC	Real-time Research Project/ Societal Related 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 of B.Tech for III-I, III-II, IV-I and IV-II were presented, discussed and approved. 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 and Analysis of Algorithms	3	1	0	4	40	60	100
2	Computer Networks	3	0	0	3	40	60	100
3	DevOps	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	DevOps Lab	0	0	2	1	40	60	100
8	Advanced English Communication Skills Lab	0	0	2	1	40	60	100
9	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	Machine Learning	3	0	0	3	40	60	100
2	Formal Languages and Automata Theory	3	0	0	3	40	60	100
3	Artificial Intelligence	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	Machine Learning Lab	0	0	2	1	40	60	100
7	Artificial Intelligence Lab	0	0	2	1	40	60	100
8	Professional Elective-III Lab	0	0	2	1	40	60	100
9	Industrial Oriented Mini Project/ Internship/ Skill Development Course (Big data-Spark)	0	0	4	2	-	100	100
	Total	15	0	10	20	320	580	900
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	Cryptography and Network Security	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	Cryptography and Network Security 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	Project Stage – II including Seminar	0	0	22	11	40	60	100
Total		9	0	22	20	160	240	400

#Skill Course - 1 credit with 2 Practical Hours

Professional Elective-I	Professional Elective - II
Quantum Computing	Computer Graphics
Advanced Computer Architecture	Embedded Systems
Data Analytics	Information Retrieval Systems
Image Processing	Distributed Databases
Principles of Programming Languages	Natural Language Processing
Professional Elective - III	Professional Elective -IV
Full Stack Development	Graph Theory
Internet of Things	Advanced Operating Systems
Scripting Languages	Soft Computing
Mobile Application Development	Cloud Computing
Software Testing Methodologies	Ad hoc & Sensor Networks
Professional Elective - V	Professional Elective – VI
Advanced Algorithms	Computational Complexity
Agile Methodology	Distributed Systems
Robotic Process Automation	Deep Learning
Blockchain Technology	Human Computer Interaction
Software Process & Project Management	Cyber Forensics

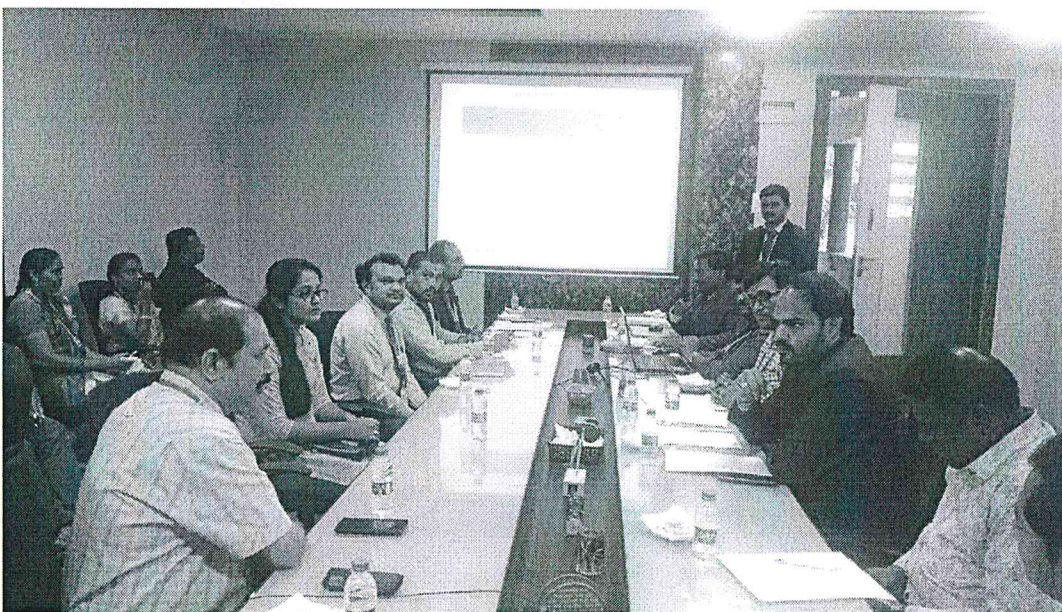
Courses in PE - III and PE - III Lab must be in 1-1 correspondence.

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:

As a suggestion from the educationalists, they informed to Include Subject Wise Case Study

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 Engineering programme.



Copy to:

1. Principal
2. IQAC

Chairman

Dr. R. Santhoshkumar
HOD-CSE