Date: 2/12/2022

Minutes of Meeting – Board of Studies (BOS)

Minutes of Meeting of Board of Studies of Information Technology (IT) held on 2nd December 2022 at 11.00 AM in IQAC Room, MG Block.

Members Present:

S. No.	Name of the Members	Designation	Signature
1	Dr. R. Nagaraju Professor & HoD, Department of IT, SMEC.	Chairman	
2	Dr. P. Sammulal Professor of CSE, JNTUH, CEJ.	University Nominee	
3	Dr. G. R. Anantha Raman Professor & HoD, Dept. of CSE, MRIET, Secunderabad.	Educationist	
4	Dr. V. Sathiya Suntharam Professor & HoD, Dept. of CSE (Cyber Security), CMREC, Hyderabad.	Educationist	
5	Mr. B. Vivekananda Kumar Technical Associate, GENPACT India Pvt. Ltd, Hyderabad.	Industrialist	
6	Dr. S.V.S Rama Krishnam Raju, Professor of ECE & Dean Academics, SMEC.	Member	
7	Dr. D. Ranadheer Reddy, Professor of Mathematics & HOD, H&S, SMEC.	Member	
8	Dr. N. Krishnaiah Professor, Department of IT, SMEC.	Faculty Member	
9	Dr. B. Laxmi Kantha Professor, Department of IT, SMEC.	Faculty Member	
10	Mr. V. Chandra Prakash Assistant Professor, Department of IT, SMEC.	Faculty Member	
11	Mr. G. Sathish Assistant Professor, Department of IT, SMEC.	Faculty Member	
12	Ms. Prathyusha Gade Business intelligence Engineer 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 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	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

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	IT303PC	Computer Organization and Microprocessor	3	0	0	3	40	60	100
5	EC313PC	Introduction to IoT	2	0	0	2	40	60	100
6	EC312PC	Digital Electronics Lab	0	0	2	1	40	60	100
7	CS307PC	Data Structures Lab	0	0	3	1.5	40	60	100
8	EC314PC	Internet of Things Lab	0	0	3	1.5	40	60	100
9	CS310PC	Data visualization- R Programming/ Power BI	0	0	2	1	40	60	100
		Total	14	1	10	20	360	540	900
Mandatory Course (Non - Credit)									
10	*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	IT403PC	Java Programming	2	0	0	2	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	IT408PC	Java Programming Lab	0	0	2	1	40	60	100
9	CS410PC	Real-time Research Project/ Societal Related Project	0	0	4	2	50	-	50
10	CS411PC	Node JS/ React JS/ Django	0	0	2	1	40	60	100
		Total	14	0	12	20	410	540	950
Mandatory Course (Non – Credit)									
11	*CI409MC	Constitution of India	3	0	0	0	100	-	100

***MC – Satisfactory/Unsatisfactory**

2. The following SMEC R22 Course Structure of 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	Software Engineering	3	0	0	3	40	60	100
2	Data Communications and Computer Networks	3	1	0	4	40	60	100
3	Machine Learning	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	Software Engineering & Computer Networks Lab	0	0	2	1	40	60	100
7	Machine Learning Lab	0	0	2	1	40	60	100
8	Advanced 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	Automata Theory and Compiler Design	3	0	0	3	40	60	100
2	Algorithm Design and Analysis	3	0	0	3	40	60	100
3	Embedded Systems	3	0	0	3	40	60	100
4	Compiler Design Lab	0	0	2	1	40	60	100
5	Professional Elective - III	3	0	0	3	40	60	100
6	Open Elective - I	3	0	0	3	40	60	100
7	Embedded Systems 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	Information Security	3	0	0	3	40	60	100
2	Cloud Computing	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	Information Security Lab	0	0	2	1	40	60	100
7	Cloud Computing 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**

***MC – Satisfactory/Unsatisfactory**

Professional Elective-I	**Professional Elective - II**
Biometrics	Computer Graphics
Advanced Computer Architecture	Quantum Computing
Data Analytics	Advanced Operating Systems
Image Processing	Distributed Databases
Principles of Programming Languages	Pattern Recognition
Professional Elective - III	**Professional Elective -IV**
Full Stack Development	Human Computer Interaction
Data Mining	High Performance Computing
Scripting Languages	Artificial Intelligence
Mobile Application Development	Information Retrieval Systems
Software Testing Methodologies	Ad-hoc & Sensor Networks
Professional Elective - V	**Professional Elective – VI**
Intrusion Detection Systems	Natural Language Processing
Real Time Systems	Distributed Systems
Blockchain Technology	Augmented Reality & Virtual Reality
Deep Learning	Web Security
Software Process & Project Management	Cyber Forensics

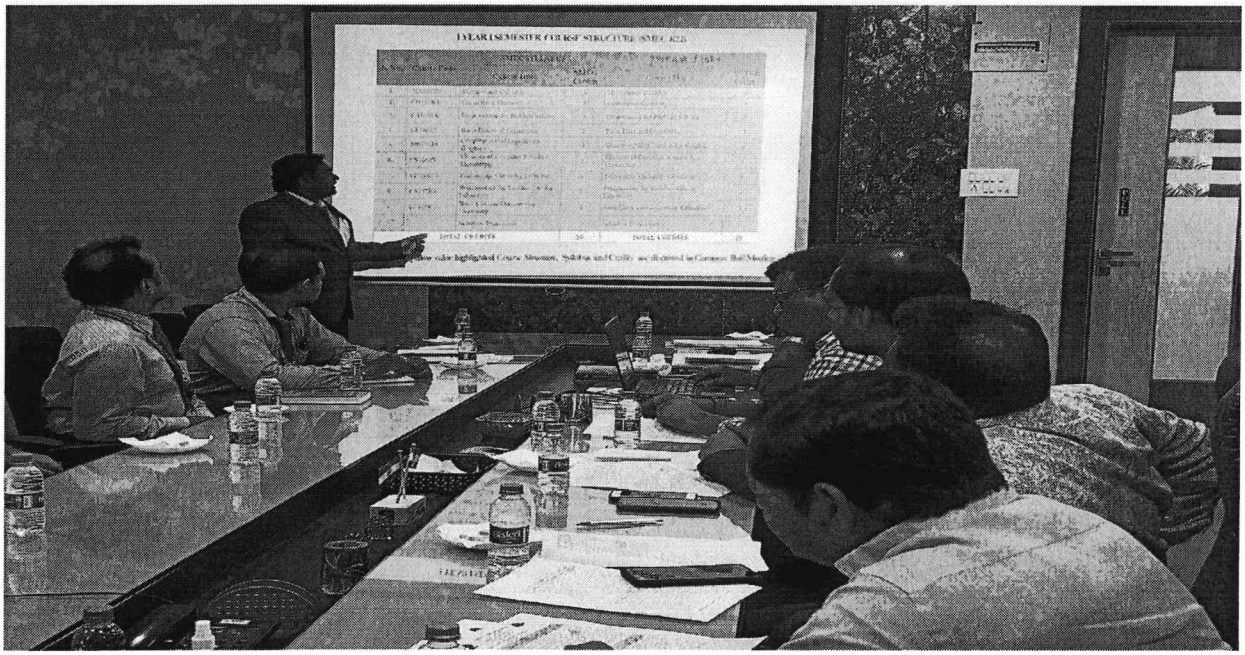
 # Courses in PE - III and PE - III Lab must be in 1-1 correspondence.

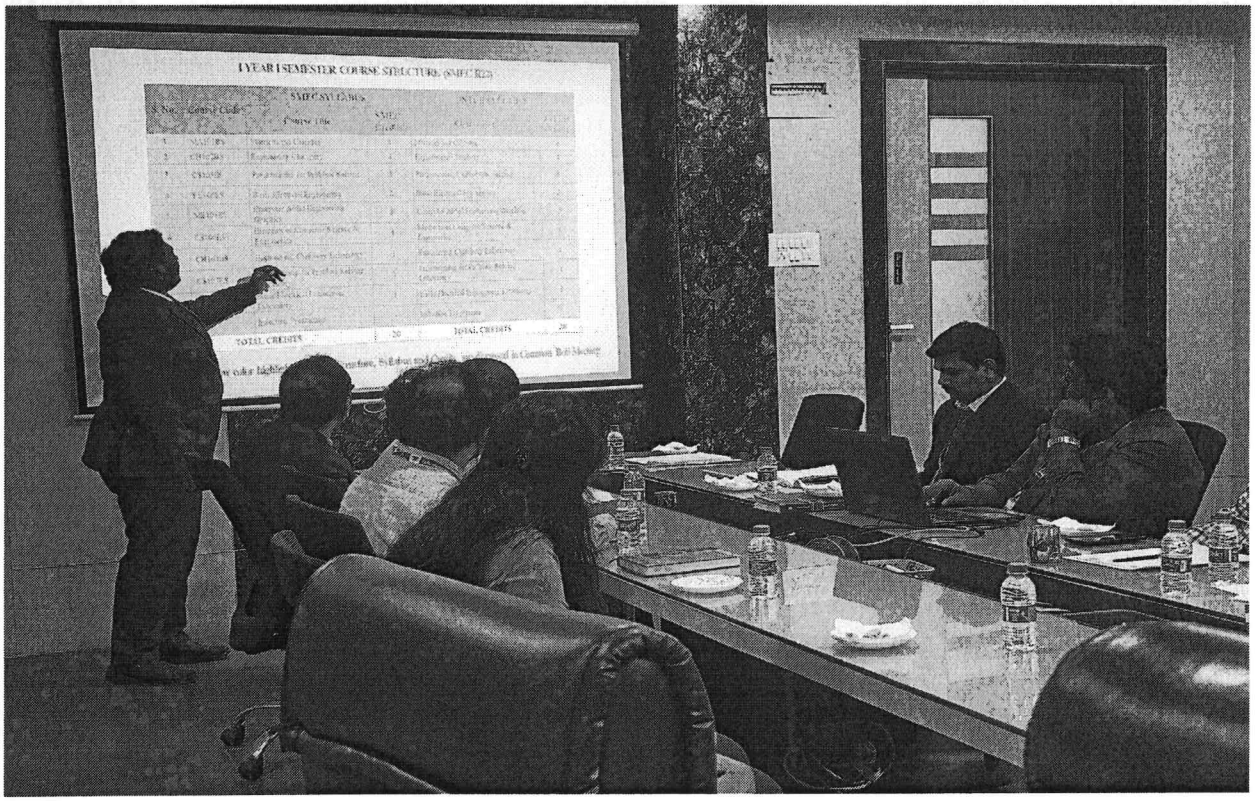
Open Elective I	**Open Elective II**	**Open Elective III**
Java Programming	Full Stack development	Big Data Technologies
Object Oriented Programming using C++	Scripting Languages	DevOp

The following points were suggested for future possible implementations

As a suggestion from the educationalists, they informed to include Lab Subject wise Case Study.

The meeting ended with chairman thanking members for their lively and useful interaction to evolve a best possible course structure, credits and syllabus for the B. Tech Information Technology (IT) programme.





Chairman

Head of the Department
Department of Information Technology
St. Martin's Engineering College

Dr. R. Nagaraju
HOD (IT)

Copy to:
1. Principal
2. IQAC