

DEPARTMENT OF CIVIL ENGINEERING

CONVENING ORDER – BOARD OF STUDIES

The Board of Studies is the basic constituent of the academic system of an autonomous college. Its functions will include framing the syllabi for various courses, reviewing and updating syllabi from time to time, introducing new courses of study, determining details of continuous assessment, recommending panels of examiners under the semester system etc., The Board of studies is constituted with the following members:

S. No.	Name of the Faculty	Designation
1.	Prof. Sandhya Kiran J.K. (Associate Professor & HOD, SMEC)	Chairman
2.	Dr. P. Sravana (Professor of CE, JNTUH, CEH)	University Nominee
3.	Dr. Mahesh Bala Subramani (Assistant Professor of CE, NICMAR)	Educationist
4.	Dr. Kamilini Devi (Associate Professor of CE, VNR VJIT)	Educationist
5.	Dr. S. V. S. RamaKrishnam Raju (Dean Academics, SMEC)	Member
6.	Dr. D. Ranadheer Reddy (Professor & HOD, H&S, SMEC)	Member
7.	Mr. Ankit Bhadola (Structural Design Engineer, Phenix, Construction Technologies)	Industrialist
8.	Dr. D. Naresh Kumar (Assistant Professor of CE, SMEC)	Faculty Member
9.	Mr. P. Guruswamy Goud (Assistant Professor of CE, SMEC)	Faculty Member
10.	Mr. V. Rajesh (Assistant Professor of CE, SMEC)	Faculty Member
11.	Mr. B. Bhanu Prasad (Assistant Professor of CE, SMEC)	Faculty Member
12.	Mr. Varun Varma (Jr. Engineer, My Home Construction)	Alumni Member

Term: The term of the nominated members shall be three years.

Meetings: The Principal of the college shall draw the schedule for the meeting of the Board of Studies for the department. The meeting may be scheduled as and when necessary, but at least once in a year.

Functions: The Board of Studies of a Department in the college shall:

- Prepare syllabi for various courses keeping in view the objectives of the college, interest of the stakeholders and national requirement for consideration and approval of the Academic Council.
- Suggest methodologies for innovative teaching and evaluation techniques.
- Suggest panel of names to the Academic Council for appointment of examiners.
- Coordinate research, teaching, extension and other academic activities in the Department / college.



Chairman

Civil Engineering Department
ST. MARTIN'S ENGINEERING COLLEGE
DHULAPALLY, SECUNDERABAD-500 100

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Principal, IQAC




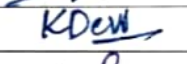

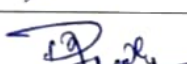
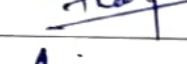

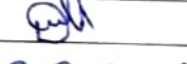



DEPARTMENT OF CIVIL ENGINEERING

Date: 29-11-2022

Meeting Notice

Greetings from St.Martin's Engineering College

We request you to participate in Civil Engineering Department Board of Study meeting scheduled on 30 November 2022 at 04:10pm through online (Microsoft Teams).

S. No.	Name of the Faculty	Designation	Signature
1.	Prof. Sandhya Kiran J.K. (Associate Professor & HOD, SMEC)	Chairman	
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Agenda of Meeting

- Curriculum and Syllabus framing for I Year and II Year SMEC R22 regulation
- Course Structure of I to IV year for SMEC R22 regulation.


Chairman

Prof. Sandhya Kiran J.K.

Civil Engineering Department
St. MARTIN'S ENGINEERING COLLEGE
DHULAPALLY, SECUNDERABAD-500 100.

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1. Principal, IQAC

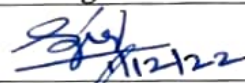

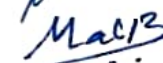
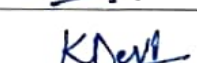
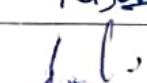
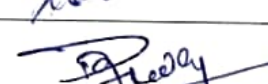
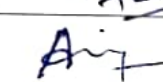


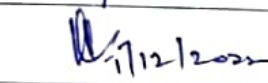

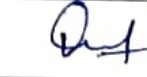
DEPARTMENT OF CIVIL ENGINEERING

Date: 01-12-2022

MINUTES OF MEETING -BOARD OF STUDIES (BOS)

Minutes of Meeting of Board of Studies of Department of Civil Engineering held on 30 November 2022 at 4:10pm through online mode (Microsoft teams).

Members Present:

S. No.	Name of the Faculty	Designation	Signature
1.	Prof. Sandhya Kiran J.K. (Associate Professor & HOD, SMEC)	Chairman	
2.	Dr. P. Sravana (Professor of CE, JNTUH, CEH)	University Nominee	
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The Chairman of BOS Committee, Prof. Sandhya Kiran J.K has extended a warm welcome to the University Nominee, Dr. P. Sravana, Professor of CE & Dy. Director UGC-HRDC, JNTUH all others BOS members.

The following points were discussed and approved during the meeting

1. The following SMEC R22 course structure and detailed syllabus of I-I, I-II and II-I, II-II year were presented, discussed and approved. 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	AP102BS	Applied Physics	3	1	0	4	40	60	100
3	CS104ES	C Programming and Data structures	3	0	0	3	40	60	100
4	ME107ES	Engineering Workshop	0	1	3	2.5	40	60	100
5	EN104HS	English for Skill Enhancement	2	0	0	2	40	60	100
6	CE109HS	Elements of Civil Engineering	0	0	2	1	50	-	50
7	AP103BS	Applied Physics Laboratory	0	0	3	1.5	40	60	100
8	EN105HS	English Language and Communication Skills Laboratory	0	0	2	1	40	60	100
9	CS103ES	C Programming and Data Structures Laboratory	0	0	2	1	40	60	100
Total			11	3	12	20	370	480	850
10.	*CH109MC	Environmental Science	3	0	0	0	100	-	100
		InductionProgram							

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	CH202BS	Engineering Chemistry	3	1	0	4	40	60	100
3	ME208ES	Computer Aided Engineering Graphics	1	0	4	3	40	60	100
4	ME212ES	Applied Mechanics	3	0	0	3	40	60	100
5	CE209ES	Surveying	2	0	0	2	40	60	100
6	CS205ES	Python Programming Laboratory	0	1	2	2	40	60	100
7	CH204BS	Engineering Chemistry Laboratory	0	0	2	1	40	60	100
8	CE210ES	Surveying Laboratory - I	0	0	2	1	40	60	100
Total			12	3	10	20	320	480	800

IIB.Tech-I-Semester

S. No.	Course Code	Course Title	Hours Per Week			Credits	Maximum Marks		
			L	T	P		Internal (CIE)	External (SEE)	Total
1	PS304BS	Probability Statistics	3	1	0	4	40	60	100
2	CE302PC	Building Materials, Construction and Planning	3	0	0	3	40	60	100
3	CE303PC	Engineering Geology	3	0	0	3	40	60	100
4	CE304PC	Strength of Materials – I	3	0	0	3	40	60	100
5	CE305PC	Fluid Mechanics	3	0	0	3	40	60	100
6	CE306PC	Surveying Laboratory – II	0	0	3	2	40	60	100
7	CE307PC	Strength of Materials Laboratory	0	0	3	1	40	60	100
8	CE308PC	Computer Aided Drafting Laboratory	0	0	3	1	40	60	100
Total			15	1	9	20	320	480	800
9.	CI309MC	Constitution of India	3	0	0	0	100	-	100

IIB. Tech-II-Semester

S.No.	Course Code	Course Title	Hours Per Week			Credits	Maximum Marks		
			L	T	P		Internal (CIE)	External (SEE)	Total
1.	EE411PC	Basic Electrical and Electronics Engineering	3	0	0	3	40	60	100
2.	CE402PC	Concrete Technology	3	0	0	3	40	60	100
3.	CE403PC	Strength of Materials – II	3	0	0	3	40	60	100
4.	CE404PC	Hydraulics and Hydraulic Machinery	3	0	0	3	40	60	100
5.	CE405PC	Structural Analysis – I	3	0	0	3	40	60	100
6.	CE406PC	Fluid Mechanics and Hydraulic Machinery Laboratory	0	0	2	1	40	60	100
7.	EE412PC	Basic Electrical and Electronics Engineering Laboratory	0	0	2	1	40	60	100
8.	CE408PC	Concrete Technology Laboratory	0	0	2	1	40	60	100
9.	CE409BP	Real-time Research Project/ Field Based Project	0	0	4	2	50	-	50
Total			15	0	10	20	370	480	850
10.	GS409MC	Gender Sensitization Lab	0	0	2	0	100	-	100

2. The following SMEC R22 course structure and detailed syllabus of III-I, III-II and IV-I, IV-II year were presented, discussed and approved. Total credits for the programme were discussed, finalized and approved.

III.B.Tech-I-Semester								
S. No.	Course Title	Hours Per Week			Credits	MaximumMarks		
		L	T	P		Internal(CIE)	External(SEE)	Total
1.	Structural Analysis- II	3	0	0	3	40	60	100
2.	Geotechnical Engineering	3	0	0	3	40	60	100
3.	Structural Engineering-I(RCC)	3	0	0	3	40	60	100
4.	Business Economics & Financial Analysis	3	0	0	3	40	60	100
5.	Transportation Engineering	3	0	0	3	40	60	100
6.	Water Resources Engineering-I	3	0	0	3	40	60	100
7.	Transportation Engineering Laboratory	0	0	2	1	40	60	100
8.	Geotechnical Engineering Laboratory	0	0	2	1	40	60	100
Total		18	0	4	20	320	480	800
9.	Intellectual Property Rights	3	0	0	0	100	-	100

III.B. Tech-II-Semester								
S.No.	CourseTitle	Hours Per Week			Credits	MaximumMarks		
		L	T	P		Internal (CIE)	External (SEE)	Total
1.	Environmental Engineering	3	0	0	3	40	60	100
2.	Foundation Engineering	3	0	0	3	40	60	100
3.	StructuralEngineering-II(SteelStructures)	3	0	0	3	40	60	100
4.	ProfessionalElective-I	3	0	0	3	40	60	100
5.	Open Elective -I	3	0	0	3	40	60	100
6.	EnvironmentalEngineeringLaboratory	0	0	2	1	40	60	100
7.	ComputerAidedDesignLaboratory	0	0	2	1	40	60	100
8.	AdvancedEnglishCommunicationSkillsLaboratory	0	0	2	1	40	60	100
9.	IndustryOrientedMiniProject/Internship	0	0	4	2	-	100	100
Total		15	0	10	20	320	580	900
10.	EnvironmentalScience	3	0	0	0	100	-	100

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

IVB.Tech-I-Semester

S. No.	CourseTitle	Hours Per Week			Credits	MaximumMarks		
		L	T	P		Internal (CIE)	External (SEE)	Total
1.	Quantity Survey &Valuation	2	0	0	2	40	60	100
2.	ProjectManagement	2	0	0	2	40	60	100
3.	ProfessionalElective–II	3	0	0	3	40	60	100
4.	ProfessionalElective–III	3	0	0	3	40	60	100
5.	ProfessionalElective-IV	3	0	0	3	40	60	100
6.	Open Elective-II	3	0	0	3	40	60	100
7.	Civil Engineering Software Laboratory	0	0	2	1	40	60	100
8.	Project Stage-I	0	0	6	3	-	-	-
Total		16	0	8	20	320	420	700

IVB. Tech-II-Semester

S.No.	CourseTitle	Hours Per Week			Credits	MaximumMarks		
		L	T	P		Internal (CIE)	External (SEE)	Total
1.	Professional Elective– V	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.	ProjectStage–II including seminar	0	0	22	11	40	60	100
Total		9	0	22	20	160	240	400

*MC – Satisfactory/Unsatisfactory

ProfessionalElective–I

GreenBuildingTechnologies
GeomaticApplicationsinCivilEngineering
Smart CitiesPlanningandManagement

ProfessionalElective–II

PrestressedConcrete
ElementsofEarthquakeEngineering
AdvancedStructuralAnalysis

ProfessionalElective-III

EarthRetaining Structures
GroundImprovementTechniques
StabilityAnalysisofSlopes

ProfessionalElective-IV

DesignofHydraulicStructures
AdvancedWaterResourcesEngineering
GroundWaterHydrology

Professional Elective –V
Solid Waste Management
Environmental Impact Assessment for Civil Engineers
Air Pollution

Professional Elective-VI
Airports, Railways and Waterways
Pavement Asset Management
Pavement Analysis & Design

III Yr II Sem Open Elective (OE-I)
Disaster Preparedness & Planning Management
Building Management Systems
Environmental Impact Assessment
Hydrogeology

IV Yr I Sem Open Elective (OE-II)
Remote Sensing & Geographical Information Systems
Sustainable Infrastructure Development
Solid Waste Management
Smart Cities

IV Yr II Sem Open Elective (OE-III)
Energy Efficient Buildings
Multi-Criterion Decision Making
Environmental Pollution

3. Discussion/Suggestion:

- Suggestion for the subject “Civil Engineering Software Laboratory” offered to IV year to have preparedness for making availability of five different core subjects open source software’s in the laboratory.
- As per R22 “Elements of Civil Engineering Laboratory” to be conducted covering the engineering geology concepts of rocks and minerals along with tests on concrete materials.
- Real Time Project/Field Based Project in II year II semester to be carried out with multiple assessment of the student during the course to enhance both documentation and presentation skill of the student and further strengthening the knowledge to conduct mini and major Projects.
- Concrete Technology Laboratory and Transportation Engineering Laboratory, two varied labs established as per new syllabus of R22 with an intention to strengthen research oriented aspects in Concrete Technology and Transportation Engineering.

The meeting concluded chairman thanking members for their lively and useful interaction to evolve a best possible course structure and syllabus for the B. Tech. Civil Engineering programme.


Chairman, BOS

Civil Engineering Department
St. Martin's Engineering College
Dhulapally, Secunderabad-500 100.

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