



VAAGDEVI COLLEGE OF ENGINEERING

(Autonomous)

Bollikunta, Khila Warangal (Mandal), Warangal Urban - 506 005 (T.S)

DEPARTMENT OF CIVIL ENGINEERING

MINUTES OF BOARD OF STUDIES MEETING

held on 14.11.2022 at 02:00 PM

Members Present

S.No	Name and Address	Designation	Signature
1.	Dr. G. Dineshkumar Head, Dept. of Civil Engineering, VCE, Warangal.	Chairman	
2.	Dr. K. Manjula Vani Professor, Dept. of Civil Engineering, JNTUH CEH, Hyderabad.	Member (University Nominee)	
3.	Dr. P. Rathish Kumar Professor, Dept. of Civil Engineering, NIT, Warangal.	Member (Subject Expert)	
4.	Dr. S. Sunil Pratap Reddy Associate Professor, Dept. of Civil Engineering, KITS, Warangal	Member (Subject Expert)	
5.	Er. A. Nagender Rao Superintendent Engineer, R&B Department, Hanamkonda.	Member (Representative from Industry)	
6.	Dr. K. Thirupathi Rao Vice-Principal & Professor, Dept. of Civil Engineering, VCE. Warangal.	Member (Faculty)	
7.	Dr. Syed Viqar Malik Assistant Professor, Dept. of Civil Engineering, VCE, Warangal.	Member (Faculty)	
8.	Er. S. Arun Kumar Assistant Executive Engineer, Mission Bhagiratha SD, Thorrur.	Member (Alumni)	

The following decisions were taken during the Board of Studies meeting,

1. Approved the Course structure and Syllabus of B. Tech - Civil Engineering for I - Year (I & II Semester) under R22-Regulation.
2. It is resolved to approve the Course structure of M. Tech - Structural Engineering for I - year (I & II Semester) & II - Year (I & II Semester) under R22-Regulation.
3. It is resolved to approve the syllabus of M. Tech - Structural Engineering for I - year (I & II Semester) & II - Year (I & II Semester) under R22-Regulation.

The chairman of Board of studies thanked all the members for their Suggestions and valuable guidance towards framing of Course Structure and Syllabi under R22 Regulation.

Chairman/BoS
CHAIRMAN

Board of Studies, Civil Engg. Dept.,
VAAGDEVI COLLEGE OF ENGINEERING
Bollikunta, Warangal (T.S)-506 005

VAAGDEVI COLLEGE OF ENGINEERING, WARANGAL
AUTONOMOUS

B. Tech in CIVIL ENGINEERING

COURSE STRUCTURE (R22)

Effective from Academic Year 2022 - 2023 admitted batch

I YEAR I - SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1.		Matrices and Calculus	3	1	0	4
2.		Applied Physics	3	1	0	4
3.		C Programming and Data Structures	3	0	0	3
4.		Engineering Workshop	0	1	3	2.5
5.		English for Skill Enhancement	2	0	0	2
6.		Elements of Civil Engineering	0	0	2	1
7.		Applied Physics Laboratory	0	0	3	1.5
8.		C Programming and Data Structures Laboratory	0	0	2	1
9.		English Language and Communication Skills Laboratory	0	0	2	1
10.		Environmental Science	3	0	0	0
		Induction Programme				
		Total	14	3	12	20

I YEAR II – SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1.		Ordinary Differential Equations and Vector Calculus	3	1	0	4
2.		Engineering Chemistry	3	1	0	4
3.		Computer Aided Engineering Graphics	1	0	4	3
4.		Applied Mechanics	3	0	0	3
5.		Surveying	2	0	0	2
6.		Python Programming Laboratory	0	1	2	2
7.		Engineering Chemistry Laboratory	0	0	2	1
8.		Surveying Laboratory - I	0	0	2	1
		Total	12	3	10	20

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VAAGDEVI COLLEGE OF ENGINEERING, WARANGAL
AUTONOMOUS

M. Tech in STRUCTURAL ENGINEERING

COURSE STRUCTURE (R22)

Effective from Academic Year 2022 - 2023 admitted batch

I YEAR I - SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1.	Professional Core - I	Advanced Structural Mechanics	3	0	0	3
2.	Professional Core - II	Theory of Elasticity and Plasticity	3	0	0	3
3.	Professional Elective - I	1. Advanced Reinforced Concrete Design 2. Structural Stability 3. Structural Optimization	3	0	0	3
4.	Professional Elective - II	1. Computer Oriented Numerical Methods 2. Advanced Structural Steel Design 3. Special Concretes	3	0	0	3
5.	Lab - I	Computer Aided Design Laboratory	0	1	2	2
6.	Lab - II	Structural Engineering Laboratory	0	1	2	2
7.		Research Methodology & IPR	2	0	0	2
8.	Audit - I	Audit Course - I	2	0	0	0
Total			16	02	4	18

I YEAR II - SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1.	Professional Core - III	Finite Element Analysis	3	0	0	3
2.	Professional Core - IV	Structural Dynamics	3	0	0	3
3.	Professional Elective - III	1. Design of Bridges 2. Structural Reliability 3. Design of High-Rise Buildings	3	0	0	3
4.	Professional Elective - IV	1. Advanced Prestressed Concrete Design 2. Structural Health Monitoring 3. Theory of Plates and Shells	3	0	0	3
5.	Lab - III	Numerical Analysis Laboratory	0	1	2	2
6.	Lab - IV	Advanced Structural Analysis and Design Laboratory	0	1	2	2
7.		Mini Project with Seminar	0	0	4	2
8.	Audit-II	Audit Course - II	2	0	0	0
Total			14	02	8	18

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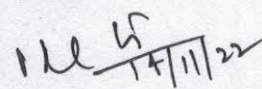

VAAGDEVI COLLEGE OF ENGINEERING, WARANGAL**AUTONOMOUS****M. Tech in STRUCTURAL ENGINEERING****COURSE STRUCTURE (R22)****Effective from Academic Year 2022 - 2023 admitted batch****II YEAR I – SEMESTER**

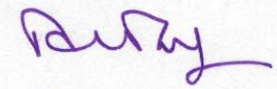

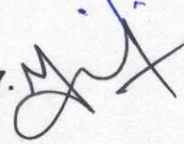
S. No.	Course Code	Course Title	L	T	P	Credits
1.	Professional Elective - V	1. Rehabilitation and Retrofitting of Structures 2. Design of Pre-Engineered Buildings 3. Earthquake Resistant Design of Structures	3	0	0	3
2.	Open Elective	Open Elective	3	0	0	3
3.	Dissertation	Dissertation Work Review - II	0	0	12	6
Total			6	0	12	12

II YEAR II – SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1.	Dissertation	Dissertation Work Review - III	0	0	12	6
2.	Dissertation	Dissertation Viva-Voce	0	0	28	14
Total			0	0	40	20

For Dissertation Work Review – I, please refer 7.10 in R22 Academic Regulations

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