

VAAGESWARI COLLEGE OF ENGINEERING

(UGC AUTONOMOUS)

Accredited by NAAC with A+ Grade and ISO 9001:2015 Certified

Approved by AICTE New Delhi, Affiliated to JNTUH Hyderabad and Recognized
by Govt. of Telangana**B.Tech in CIVIL ENGINEERING****COURSE STRUCTURE & SYLLABUS (R24 Regulations)**

Applicable from AY 2024-2025 Batch

I YEAR I SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1.	24MA101BS	Matrices and Calculus	3	1	0	4
2.	24PH102BS	Applied Physics	3	1	0	4
3.	24ME103ES	C Programming and Data Structures	3	0	0	3
4.	24ME104ES	Engineering Workshop	0	1	3	2.5
5.	24EN105HS	English for Skill Enhancement	2	0	0	2
6.	24CE106ES	Elements of Civil Engineering	0	0	2	1
7.	24PH107BS	Applied Physics Laboratory	0	0	3	1.5
8.	24ME108ES	C Programming and Data Structures Laboratory	0	0	2	1
9.	24EN109HS	English Language and Communication Skills Laboratory	0	0	2	1
10.	24MC110NC	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.	24MA201BS	Ordinary Differential Equations and Vector Calculus	3	1	0	4
2.	24CH202BS	Engineering Chemistry	3	1	0	4
3.	24ME203ES	Computer Aided Engineering Graphics	1	0	4	3
4.	24CE204ES	Applied Mechanics	3	0	0	3
5.	24CE205PC	Surveying	2	0	0	2
6.	24CE206ES	Python Programming Laboratory	0	1	2	2
7.	24CH207BS	Engineering Chemistry Laboratory	0	0	2	1
8.	24CE208PC	Surveying Laboratory - I	0	0	2	1
		Total	12	3	10	20

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Page 1 of 64

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II YEAR I SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1.	24MA301BS	Probability and Statistics	3	1	0	4
2.	24CE302PC	Building Materials, Construction and Planning	3	0	0	3
3.	24CE303PC	Engineering Geology	3	0	0	3
4.	24CE304PC	Strength of Materials – I	3	0	0	3
5.	24CE305PC	Fluid Mechanics	3	0	0	3
6.	24CE306PC	Surveying Laboratory - II	0	1	2	2
7.	24CE307PC	Strength of Materials Laboratory	0	0	2	1
8.	24CE308PC	Computer Aided Drafting Laboratory	0	0	2	1
9.	24MC309NC	Constitution of India	3	0	0	0
		Total Credits	18	2	6	20

II YEAR II SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1.	24CE401PC	Basic Electrical and Electronics Engineering	3	0	0	3
2.	24CE402PC	Concrete Technology	3	0	0	3
3.	24CE403PC	Strength of Materials – II	3	0	0	3
4.	24CE404PC	Hydraulics and Hydraulics Machinery	3	0	0	3
5.	24CE405PC	Structural Analysis - I	3	0	0	3
6.	24CE406PC	Fluid Mechanics and Hydraulics Machinery Laboratory	0	0	2	1
7.	24CE407PC	Basic Electrical and Electronics Engineering Laboratory	0	0	2	1
8.	24CE408PC	Concrete Technology Laboratory	0	0	2	1
9.	24CE409PC	Real-time Research Project/ Field-Based Project	0	0	4	2
10.	24MC410NC	Gender Sensitization Laboratory	0	0	2	0
		Total Credits	15	0	12	20