



TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

B.E. Civil Engineering (CBS) Scheme of RTMNU

Course Code	Course Title	Total Number of contact hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
First Semester						
BESI-1T	Applied Mathematics-I	4	1	0	5	5
BESI-2T	Engineering Physics	2	1	0	3	3
BESI-2P	Engineering Physics Lab	0	0	2	2	1
BESI-3T	Engineering Chemistry	2	1	0	3	3
BESI-3P	Engineering Chemistry Lab	0	0	2	2	1
BESI-4T	Basic Electrical Engineering	2	1	0	3	3
BESI-4P	Basic Electrical Engineering Lab	0	0	2	2	1
BESI-5T	Basics of Civil Engineering	2	1	0	3	3
BESI-6T	Engineering Graphics-I	2	1	0	3	3
BESI-6P	Engineering Graphics Lab	0	0	2	2	1
BESI-7T	Communication Skill	0	0	2	2	2
BESI-8T	Computational Skills	0	0	2	2	2
Second Semester						
BESII-1T	Applied Mathematics-II	4	1	0	5	5
BESII-2T	Advance Physics	2	1	0	3	3
BESII-2P	Advance Physics Lab	0	0	2	2	1
BESII-3T	Material Chemistry	2	1	0	3	3
BESII-3P	Material Chemistry Lab	0	0	2	2	1
BESII-4T	Engineering Mechanics	2	1	0	3	3
BESII-4P	Engineering Mechanics	0	0	2	2	1
BESII-5T	Advance Electrical Engineering	2	1	0	3	3
BESII-6P	Engineering Graphics-II	0	1	2	3	3
BESII-7P	Workshop	0	0	2	2	2
BESII-8T	Ethical Science	0	0	2	2	2
Third Semester						
BECVE301T	Mathematics – III	3	1	0	4	4
BECVE302T	Strength of Materials	3	1	0	4	4
BECVE302P	Strength of Materials	0	0	2	2	1
BECVE303T	Environmental Engineering - I	4	0	0	4	4
BECVE303P	Environmental Engineering - I	0	0	2	2	1
BECVE304T	Engineering Geology	4	0	0	4	4
BECVE304P	Engineering Geology	0	0	2	2	1
BECVE305T	Concrete Technology	4	0	0	4	4

BECVE305P	Concrete Technology	0	0	2	2	1
Fourth Semester						
BECVE401T	Structural Analysis - I	3	1	0	4	4
BECVE401P	Structural Analysis - I	0	0	2	2	1
BECVE402T	Geotechnical Engineering -I	3	1	0	4	4
BECVE402P	Geotechnical Engineering -I	0	0	2	2	1
BECVE403T	Transportation Engineering -I	4	0	0	4	4
BECVE403P	Transportation Engineering -I	0	0	2	2	1
BECVE404T	Surveying – I	3	1	0	4	4
BECVE404P	Surveying – I	0	0	3	3	2
BECVE405T	Building Construction & Material	3	1	0	4	4
Fifth Semester						
BECVE501T	Structural Analysis -II	3	1	0	4	4
BECVE501P	Structural Analysis -II	0	0	2	2	1
BECVE502T	Reinforced Cement Concrete (RCC) Structures	3	1	0	4	4
BECVE502P	Reinforced Cement Concrete (RCC) Structures	0	0	2	2	1
BECVE503T	Fluid Mechanics -I	3	1	0	4	4
BECVE503P	Fluid Mechanics -I	0	0	2	2	1
BECVE504T	Geotechnical Engineering -II	3	1	0	4	4
BECVE505T	Hydrology & Water Resources (HWR)	4	0	0	4	4
BECVE506P	Communicative English & Technical Writing	0	0	3	3	2
Sixth Semester						
BECVE601T	Steel Structures	3	1	0	4	4
BECVE601P	Steel Structures	0	0	2	2	1
BECVE602T	Surveying-II	3	1	0	4	4
BECVE602P	Surveying-II	0	0	4	4	2
BECVE603T	Fluid Mechanics -II	3	1	0	4	4
BECVE603P	Fluid Mechanics -II	0	0	2	2	1
BECVE604P	Building Design and Drawing	0	0	4	4	4
BECVE605T	Environmental Engineering-II	3	1	0	4	4
BECVE606P	Site Visit & Mini Project	0	0	3	3	3
Seventh Semester						
BECVE701T	Advanced Concrete Structures	3	1	0	4	4
BECVE701P	Advanced Concrete Structures	0	0	2	2	1
BECVE702T	Estimating and Costing	3	1	0	4	4
BECVE702P	Estimating and Costing	0	0	2	2	1
BECVE703T	Elective -I	3	1	0	4	4
BECVE704T	Construction Management and Law	4	0	0	4	4
BECVE705T	Transportation Engineering - II	3	1	0	4	4
BECVE706P	Industrial Case Study and Project Seminar	0	0	3	3	3
Eight Semester						
BECVE801T	Irrigation Engineering	3	2	0	5	5
BECVE802T	Elective – II	3	1	0	4	4
BECVE803T	Elective – III	4	0	0	4	4
BECVE803P	Elective – III	0	0	2	2	1
BECVE804T	Construction Economics and Finance	3	1	0	4	4
BECVE805P	Project	0	0	6	6	6
Total (1st,2nd,3rd,4th,5th,6th,7th,8th Semester)		117	34	80	231	205