



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.Tech. Civil Engineering (CBCS) Scheme of RTMNU

Course Code	Course Title	Total Number of contact hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
First Semester						
BSE1-1T	Mathematics I	3	1	0	4	4
BSE1-2T	Applied Physics	3	2	0	5	4
BSE1-3T	Energy And Environment	2	2	0	4	3
BSE1-4T	Communication Skill	2	0	0	2	2
BSE1-5T	Engineering Graphics	1	0	0	1	1
BSE1-6T	Basic of Civil and Mechanical Engineering	4	0	0	4	Audit
BSE1-2P	Applied Physics Lab	0	0	3	3	1.5
BSE1-3P	Energy and Environmental Lab	0	0	2	2	1
BSE1-4P	Communication Skill Lab	0	0	2	2	1
BSE1-5P	Engineering Graphics Lab	0	0	4	4	2
Second Semester						
BSE2-1T	Mathematics-II	3	1	0	4	4
BSE2-2T	Advanced Engineering Material	2	2	0	4	3
BSE2-3T	Applied Chemistry	3	2	0	5	4
BSE2-4T	Communication Skill	2	0	0	2	2
BSE2-6T	Basic of Electrical Engineering	2	0	0	2	2
BSE2-7T	Engineering Mechanics	2	0	0	2	2
BSE2-8T	Indian Cultural and Constitution	2	0	0	2	Audit
BSE2-5P	Workshop Practice	0	0	4	4	2
BSE2-2P	Advance Engineering Material	0	0	2	2	1
BSE2-3P	Applied Chemistry	0	0	3	3	1.5
BSE2-4P	Communication Skill	0	0	2	2	1
Third Semester						
BECVE301T	Applied Mathematics-III	3	1	0	4	4
BECVE302T	Fluid Mechanics	3	0	0	3	3
BECVE302P	Fluid Mechanics Practical	0	0	2	2	1
BECVE303T	Solid Mechanics	3	1	0	4	4
BECVE303P	Solid Mechanics Practical	0	0	2	2	1
BECVE304T	Geotechnical Engineering	3	0	0	3	3
BECVE304P	Geotechnical Engineering Practical	0	0	2	2	1
BECVE305T	Building Construction and Elementary Building	2	0	0	2	2

	Drawing					
BECVE305P	Building Construction and Elementary Building Drawing Practical	0	0	2	2	1
BECVE306T	Effective Technical Communication	2	0	0	2	2
Forth Semester						
BECVE401T	Concrete Technology	3	0	0	3	3
BECVE402T	Structural Analysis	3	1	0	4	4
BECVE402P	Structural Analysis Practical	0	0	2	2	1
BECVE403T	Environmental Engineering	3	0	0	3	3
BECVE403P	Environmental Engineering Practical	0	0	2	2	1
BECVE404T	Transportation Engineering	3	0	0	3	3
BECVE404P	Transportation Engineering Practical	0	0	2	2	1
BECVE405T	Surveying and Geomatics	3	0	0	3	3
BECVE405P	Surveying and Geomatics Practical	0	0	4	4	2
BECVE406P	Mini Project Practical	0	0	2	2	1
Fifth Semester						
BECVE501T	Hydraulic Engineering	3	0	0	3	3
BECVE501P	Hydraulic Engineering Practical	0	0	2	2	1
BECVE502T	Reinforced Cement Concrete (RCC Design)	3	1	0	4	4
BECVE503T	Civil Engineering Materials, Testing and Evaluation	3	0	0	3	3
BECVE503P	Civil Engineering Materials, Testing and Evaluation Practical	0	0	2	2	1
BECVE504T	Professional Practice , Law and Ethics	3	0	0	3	3
BECVE505T	Elective I	3	0	0	3	3
BECVE506T	Elective II	3	0	0	3	3
BECVE507P	Industrial Training and professional Skill Training	0	0	2	2	1
BECVE508AU	Organizational Behavior	2	0	0	2	0
Sixth Semester						
BECVE601T	Estimating And Coasting	3	1	0	3	4
BECVE601P	Estimating And Coasting Practical	0	0	2	2	1
BECVE602T	Construction Engineering and Management	2	1	0	3	3
BECVE602P	Computer aided civil engineering drawing Practical	0	0	2	2	1
BECVE603T	Water Resource Engineering	3	0	0	3	3
BECVE604T	Elective-III	3	0	0	3	3
BECVE605T	Open Elective -I	3	0	0	3	3
Seventh Semester						
BECVE701T	Design of Steel Structure	3	1	0	4	4
BECVE702T	Elective-IV	3	0	0	3	3
BECVE703T	Elective-V	3	0	0	3	3
BECVE704T	Elective-VI	3	0	0	3	3
BECVE705T	Open Elective-II	3	0	0	3	3
BECVE706P	Project Work Phase-I	0	0	6	6	3
Eight Semester						
BECVE801T	Construction Methods and Equipment Management	3	0	0	3	3
BECVE802T	Digital Land Surveying and Mapping	3	0	0	3	3
BECVE803T	Open Elective-III	3	0	0	3	3

BECVE804P	Project Work Phase-II	0	0	12	12	6
Total (1st,2nd,3rd,4th,5th,6th,7th,8th Semester)		120	17	70	206	160