
	Tulsiramji Gaikwad-Patil College of Engineering and Technology Wardha Road, Nagpur-441 108 NAAC Accredited with A+ Grade (An Autonomous Institute Affiliated to RTM Nagpur University, Nagpur)	
Program: B.Tech. Civil Engineering		
Semester VII		

BCE4719 - Estimating and Costing Lab

	Course Outcomes	CL	Lab Sessions
BCE4719.1	Prepare the tender documents; fill the contracts by using the knowledge of contract submission and opening in awarding the work to the contractor.	6	2
BCE4719.2	Remember the concept of SD, EMD, MAS, Running Bill, Final Bill during the entire project.	1	2
BCE4719.3	Apply the preliminary estimate for administrative approval and technical sanction for a civil engineering project.	3	2
BCE4719.4	Apply the technique of Rate analysis in estimating the exact cost of material and manpower and hence the entire project.	3	4
BCE4719.5	Analyze the bill of quantities using the types of preliminary techniques and detailed estimation of buildings and roads.	4	8