



**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**

BCE4716: PE VII (Geotechnical Design)

	<b>Course Outcomes</b>	<b>CL</b>	<b>Class Sessions</b>
BCE4716.1	<b>Analyze</b> shallow foundation bearing capacity and its affection by shape size, water, loads and types of soil.	4	9
BCE4716.2	<b>Construct</b> rectangular, mat or raft footing in isolate and combined condition to carry superimpose load of structure	6	9
BCE4716.3	<b>Create</b> retaining wall with and without surcharge load also use pile foundation consideration	6	9
BCE4716.4	<b>Compile</b> flexible pavement by various methods, classify its types with limitations	6	9
BCE4716.5	<b>Compose</b> flexible and rigid pavement by using stress distribution and effective methods	6	9