



**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**

BCE4705: Program Elective-V (Airport Planning and Design)

	<b>Course Outcomes</b>	<b>CL</b>	<b>Class Sessions</b>
<b>BCE4705.1</b>	<b>Infer</b> Airport planning and air travel demand forecasting, ICAO standards ; Zoning laws	4	9
<b>BCE4705.2</b>	<b>Explain</b> Air Traffic Management: Navigational aids: ground based systems, satellite based systems, air traffic control, Grading,	4	9
<b>BCE4705.3</b>	<b>Compile</b> Taxi way , Aprons- planning and design ; Airport drainage - Design of Air Freight Terminals	6	9
<b>BCE4705.4</b>	<b>Modify</b> Runway, - critical airport pavements, FAA and PCA methods ; maintenance and rehabilitation of airfield pavements,	6	9
<b>BCE4705.5</b>	<b>Compose</b> of the terminal area, terminal area lay-out, Airport access, airport lighting and marking,	6	9