



**Tulsiramji Gaikwad-Patil College of Engineering and  
Technology**

Wardha Road, Nagpur-441 108  
NAAC Accredited (A+ Grade)



**Third Year (Semester-V) B. Tech. Mechanical Engineering**


**Fifth Semester Autonomous Course Outcome (Cos)**


**BME3503:Design of Machine Element**

<b>BME3503</b>	<b>Course Outcomes</b>
<b>BME3503.1</b>	<b>Apply</b> principals of static loading for design of Cotter joint, Knuckle joint.
<b>BME3503.2</b>	<b>Design</b> bolted, welded joints & pressure vessels.
<b>BME3503.3</b>	<b>Design</b> the power transmissions shaft & coupling.
<b>BME3503.4</b>	<b>Apply</b> principle of loading to design power screw and spring.
<b>BME3503.5</b>	<b>Design</b> clutches, brakes for automobile applications.

  
BoS Chairman  
Head

Head of Mechanical Engineering  
Tulsiramji Gaikwad Patil College of  
Engineering & Technology, NAGPUR.

  
Director/Dean Academics  
**Dean Academics**  
Tulsiramji Gaikwad-Patil  
College Of Engineering  
and Technology, Nagpur

  
Vice Principal  
Tulsiramji Gaikwad Patil  
College Of Engineering &  
Technology, Nagpur.

  
Principal  
**Principal**  
Tulsiramji Gaikwad Patil College Of  
Engineering and Technology, Nagpur.