



NAAC Accredited

Vidarbha Bahu-uddeshiya Shikshan Sanstha's

**TULSIRAMJI GAIKWAD-PATIL**  
**College of Engineering & Technology**

DTE CODE : 4151

— POLYTECHNIC —

MSBTE CODE : 1683



3.32 CGPA

(Approved by AICTE, New Delhi and Govt. of Maharashtra &amp; Affiliated to MSBTE, Mumbai)

• An ISO 9001:2015 Certified Institution

• Web: [www.tgpcetpoly.com](http://www.tgpcetpoly.com)

• NH7, Mohgaon, Wardha Road, Nagpur - 441108

• Email: [principalpoly@tgpcet.com](mailto:principalpoly@tgpcet.com), [1683principal@msbte.com](mailto:1683principal@msbte.com)

• Contact: 97637 11372

**Diploma in Mechanical Engineering**  
**Course Name 311305: BASIC SCIENCE**

DME 311305	Course Outcomes
CO1	Use basic instruments to measure the physical quantities in various engineering situations
CO2	Apply the basic principles of electromagnetics to solve given engineering problems.
CO3	Apply basic principles of thermometry and fibre optics to solve engineering problems.
CO4	Predict the structure, properties and behaviour of molecules and compounds based on the types of chemical bond
CO5	Apply the concepts of electrochemistry and corrosion preventive measures in industry.
CO6	Use the appropriate engineering material and catalyst appropriately.