

**Parala Maharaja Engineering  
College, Berhampur,  
Sitalapalli, Odisha, 761003**



**“Summer Internship 2026”**

**“End-to-End Design, CNC Manufacturing  
and Quality Assessment of a Mechanical  
Component”**

**Organized By**

**Department of Mechanical  
Engineering**

**05<sup>th</sup> June - 04<sup>th</sup> July 2026**

**Faculty Coordinator:**

**Mr. Sagar Kumar Murmu**

**Dr. Kanchan Kumari**

**Dr. Balaji Kumar Choudhury**

**About the Institution**

Parala Maharaja Engineering College (P.M.E.C), Berhampur came into existence in the year 2009 on 26th April, as a constituent Government Engineering College of Biju Patnaik University of Technology (BPUT), Odisha, India with an area of nearly 80 acres. Now this college acts as a Government Autonomous college affiliated to BPUT, Odisha from the year 2021. It has 8 B.Tech programmes and 5 M.Tech programmes with 10 departments. It is also acting as Nodal Centre of Research under BPUT to conduct Ph.D. programmes.

**About the Department**

The under graduate program of Mechanical Engineering department was introduced in 2009, the year of inception of P MEC. The Department of Mechanical Engineering at P MEC focuses on delivering quality education and preparing students for real-world challenges. With the sincere effort of its well qualified faculties, the department has set up state of the art laboratories like Testing Lab(Material testing), Fluid Mechanics and Hydraulic Machine (FMHM) Lab, Heat Transfer & Refrigeration and Air Conditioning (HT & RAC) Lab, Advanced (Tribology) Lab, Non-destructive Testing (NDT) lab, Metrology Lab and a Computational Lab with hands-on training in Solid Works.

**About the Internship**

The internship program is designed to provide practical knowledge in 3D modelling & simulation using tools like Solid Works, CNC-based digital manufacturing and NDT etc.. It bridges the gap between design and machining by offering hands-on training in CAD modelling, toolpath generation, and G-code simulation. By the end of the program, participants will be able to design mechanical components, understand CNC operations, and apply digital manufacturing techniques to solve real-world engineering problems.

**Eligibility Criteria**

- Students pursuing/completed B.Tech/Diploma in Mechanical/Automobile/ Production Engineering or ITI are eligible to participate.

**Registration & Selection Process**

- The interested & eligible participants must register in the prescribed online Google form.
- The number of seats is limited and the selection list will be based on First-cum-First Serve (FCFS) basis.
- Certificate of internship will be provided based on satisfactory attendance and performance

## Important Dates

- Deadline for submission of online registration form: **31-05-2026 (On-spot registration is available for vacant seats on 05-06-2026)**
- Internship start date: **05-06-2026**
- Internship end date: **04-07-2026**

## Registration Fee

- For all participants: **Rs. 1000/-.(For Solid works/NDT/CNC Machining)**. To submit the registration fee the QR code & the bank details given below.
- Candidates are requested to bring the payment slip at the time enrolment.



Account Name	MES P MEC (Mechanical Engineering Society)
Account Number	79982140000045
Bank Name	Canara Bank
Branch	Sitalapalli, P MEC Campus
IFSC Code	CNRB0017998

## Course Plan

### Solidworks:

- Introduction to CAD & SolidWorks Interface
- Sketching Tools, Constraints & Dimensioning
- Part Modelling (Extrude, Revolve, Sweep, Loft)
- Assembly Modelling & Mates
- Sheet Metal, Surface Modelling & Drawings
- Mini Project Development

### CNC Machining:

- Introduction to CNC Machines & Components
- Coordinate Systems, Tool Offsets
- G-code and M-code Programming
- CNC Turning Operations
- CNC Milling Operations
- Machine Practice & Job Preparation

### NDT:

- Introduction to NDT & Inspection Standards
- Visual Testing (VT) & Dye Penetrant Testing
- Magnetic Particle Testing
- Ultrasonic Testing
- Defect Analysis & Case Studies



Link & QR Code for online registration form:

<https://forms.gle/gQb7wtti4g2VpcH47>

### **For any queries, contact :**

- Mr. Sagar Kumar Murmu: 8917378801
- Dr. Kanchan Kumari: 6372194363
- Dr. Balaji Kumar Choudhury: 8763626758