

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



Summer Internship

On

“Data Science Using Python”

Organized By

**Department of Computer Science &
Engineering,**

1st June - 17th July 2026

Faculty Coordinators

Dr. Debasis Mohapatra

Dr. Rashmi Ranjan Sahoo

About PMEC

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 Center of Research under BPUT to conduct Ph.D. programmes.

About the Department

The Department of Computer Science and Engineering at PMEC is renowned for imparting quality undergraduate education and preparing its students for real-world challenges. The department is equipped with state-of-the-art infrastructure facilities like CoEs in Cyber Security, High Performance Computing, Hardware & Networking laboratories. The faculties of the department have dominant research experiences in recent fields like AI, Block-chain, Cloud & Edge Computing, Social Network Analysis, Software Defined Networks, Image Processing, and Vehicular Adhoc Network.

About the Internship

This internship is tailored for students to provide foundational knowledge and hands-on exposure to Python programming and essential data analysis tools. By the end of this internship, participants will:

- Be proficient in writing Python programs using different data types and control structures.
- Understand core libraries used in data analysis and visualization.
- Apply Python in real-world data analysis scenarios.
- Build foundational knowledge for further advanced technologies like Machine Learning and Deep Learning.

Eligibility Criteria

Students pursuing MCA, M.Sc (CS), B.Sc (CS), BCA, B.Tech, and Diploma (CS) are eligible to participate.

Registration & Selection Process

- The interested & eligible participants must pay the required registration fee and apply in the prescribed online Google form.
- The number of seats is limited to 60 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 fee payment & submission of online registration form: **4.00 PM, 28-05-2026**
- Notification of selected list of participants: **30-05-2026**
- Internship start date: **01-06-2026**
- Internship end date: **17-07-2026**

Registration Fee

- Participants : **Rs. 3000/-**

Accommodation

- For outside participants, in-campus hostel accommodation can be provided on request with extra payment of **Rs. 7500/-**. include food charges (Breakfast, Lunch and Dinner).
- **Account Details for Payment**

Account Name	INTERNSHIPAND COURSES CSEDEPT
Account Number	110195285251
Bank Name	Canara Bank
Branch	Sitalapalli
IFSC Code	CNRB0017998

To complete the course registration, the participants are required to pay the applicable amount to the given account details and submit the online registration form before the due date. Link for online registration form:

<https://forms.gle/A94UScBarvNqh3cS7>

Course Plan

Week 1: Basics of python (Data types, variables, control statements, functions, Numpy)

Week 2: Pandas, plotting, knowing your Data, introduction to machine learning

Week 3: Data pre-processing, missing value imputation, dimensionality reduction, correlation analysis, regression analysis

Week 4: Classification algorithms, clustering algorithms

Week 5: Advance machine learning methods: Ensemble learning, artificial neural network, deep learning

Students will engage in four mini projects followed by a comprehensive final project.

Mode of Delivery

- The mode of delivery is hybrid.
- Most of the classes will be conducted offline.
- Some expert sessions will held in online mode.

Evaluation and Certification Policy

- The students will be given with daily assignments.
- The assignments will be evaluated once in a week.
- To obtain the certificate ,the student must attend 60% of classes, and must submit all assignments, and projects.

For any queries, contact following faculty coordinators:

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