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

Summer Internship-2025

On

"Research Sensitization & Innovative Project Development"

Organized By

Department of Computer Science & Engineering,

2nd June - 15th July 2025

Faculty Coordinators

Dr. Niranjan Panigrahi

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 CSE

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

The internship program is planned to impart knowledge about basic research and automated problem solving methodologies in the recent fields of computer science & engineering and allied domains, leading to innovative ideas, prototypes and products development. At the end of the internship program, participants will be able to: understand research steps & methodologies, know team-based work and apply theoretical knowledge in real-world problem solving.

Eligibility Criteria

Students pursuing B.Tech. (2nd and 3rd year),/M.Tech.,/MCA,/B.Sc. (CS), BCA, and M.Sc. (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 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: **25-05-2025**
- Notification of selected list of participants: **29-05-2025**
- Internship start date: **02-06-2025**
- Internship end date: **15-07-2025**

Registration Fee

- PMEC Participants (Any Branch): **Rs. 500/-**
- Outside Participants: **Rs. 1000/-**

Accommodation

- For outside participants, in-campus hostel accommodation can be provided on request with extra payment of **Rs. 600/-.** which does not include food charges. Food facility is available at canteen on extra payment basis.

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/7CXdRKcrETWyPHJM9

Course Plan

Week 1:
- Orientation on "How to do Research?"
- Group formation and allocation of faculty mentor
- Research domain allocation
- Survey on existing methods/products
- *Progress check & Feedback*

Week 2:
- Identification of research gaps
- Fixation of the problem statement
- *Progress check & Feedback*

Week 3:
- Designing an innovative problem-solving approach
- Preparation of detailed methodology
- Development of algorithms, flowcharts, use case diagrams, schematic diagrams, etc.
- *Progress check & Feedback*

Week 4:
- Coding and simulation
- Prototype development
- Testing and product evaluation
- *Progress check & Feedback*

Week 5:
- Documentation using standard tools, *LateX* and *Overleaf*
- Awareness about research dissemination methods, plagiarism, patenting, and copyright

Week 6:
- Internship presentation
- Evaluation and Certificates Distribution

For any queries, contact following faculty coordinators:

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