



# Department of Computer Science & Engineering

# NEWSLETTER

JANUARY TO DECEMBER | 2024 | ISSUE - 4

Qubit

Qubit

**PARALA MAHARAJA ENGINEERING COLLEGE**

Sitalapalli, Berhampur - 761003, Odisha, India

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## Message From Principal's Desk



**PROF. (DR.) CHITTA RANJAN  
MOHANTY**  
Principal

Dear all,

It gives me immense pleasure to introduce our institution. PMEC. is situated at Sitalapalli, Berhampur which came into existence in the year 2009 as an initiative of Government of Odisha in order to promote higher technical education in the state. Since its inception, it has emerged as one of the fastest developing technical institutions of the state. With a vision of developing technocrats, we strive to build the qualitative technical personnel.

Thus, I congratulate Department of Computer Science and Engineering for attaining different achievements in this session and also wish the newsletter editorial team for making this 4th newsletter a success.

**Prof. (Dr.) Chitta Ranjan Mohanty**



Message From  
**Dean**  
(Student Welfare)



**PROF. SARAT KUMAR SAHOO**  
Dean  
(Student Welfare)

Dear Faculty, Staff, and Students,

As we stride into the new academic term, I would like to extend my warmest greetings to all members of the Department of Computer Science and Engineering (CSE) at P.M.E.C., BAM. It gives me immense pleasure to share some exciting updates and initiatives with you all.

Firstly, I would like to congratulate our undergraduate students for their exemplary performance in the previous year. Your dedication to academic excellence and commitment to pushing the boundaries of innovation truly reflects the spirit of our department. Your hard work and achievements continue to bring pride and recognition to our institution. As we embark on this new journey, I encourage you all to actively engage in research, projects, and extracurricular activities that align with your interests and career aspirations. Remember, your time here is not just about acquiring knowledge but also about honing your skills, nurturing your passions, and preparing for the challenges of tomorrow's world.

I wish the department all the best for its future endeavors.

**Prof. Sarat Kumar Sahoo**

Message From  
**HoD**



**SMT. RANUMAYEE SING**  
HoD, CSE

Dear all,

Welcome to the Department of Computer Science and Engineering at Parala Maharaja Engineering College, Berhampur, Odisha. The department works with the objective of addressing critical challenges faced by the Industry, society and the academia. Perhaps even more important is our unceasing commitment to our students, helping them to learn, grow, develop, and achieve their goals in their pursuit to excel in their professional career.

Thus, I congratulate Department of Computer Science and Engineering for attaining such achievements in this session and also congratulate the newsletter preparation team for making our 4th newsletter a success. I also wish good luck to the Department of CSE for moving in the process to achieve the vision and mission.

**Smt. Ranumayee Sing**

Message From  
Newsletter,  
Faculty Coordinator



**DR. DEBASIS MOHAPATRA**  
Asst. Professor



**DR. SOURAV KUMAR BHOI**  
Asst. Professor

Dear all,

Welcome to the Department of Computer Science and Engineering at Parala Maharaja Engineering College, Berhampur, Odisha. We want to thank Principal, PMEC Berhampur and HoD, CSE for supporting a lot in preparation of this 4th issue of the Newsletter for Dept. of CSE. We also want to thank the students and faculties of this department for getting many achievements in different sectors such as placements, research and development, trainings, infrastructure, professional development activities, academic and extracurricular activities, etc. Furthermore, We also want to thank the student coordinators of this newsletter editorial team to make the 4th issue of this Newsletter a success.

**Dr. Debasis Mohapatra Dr. Sourav Kumar Bhoi**

# Department Vision and Mission



**Vision:** The Department is committed to continually improve its educational environment to develop graduates with the strong academic and technical backgrounds needed to achieve distinction in the discipline.

**Mission:** The Mission of Department of Computer Science and Engineering is to:

- Provide theoretical and applied foundations of computer science and train students to effectively apply this education to solve real-world problems.
- Build a strong teaching environment that responds swiftly to the challenges of 21<sup>st</sup> Century.



# Faculty Members





# Current Faculty Information



Sl. No.	Name	Profile Pic.	Designation	Domain Areas
1	Mr. Kodanda Dhar Naik		Asst. Professor	Cloud Computing, Advanced Computer Architecture, Resource Allocation & Scheduling
2	Dr. Debasis Mohapatra		Asst. Professor	Data Mining, Social Network Privacy and Analysis, Sentiment Analysis, ML/DL, Efficient Algorithm Design, Automata Theory
3	Dr. Sasmita Rani Behera		Asst. Professor	Mobile Edge Computing, Task Offloading, Networking, Software Engineering
4	Mrs. Ranumayee Sing		Asst. Professor, CSE HoD	IoT based Fog Computing, Scheduling, Allocation, Load Balancing, Soft Computing
5	Mrs. Mitali Sinha		Asst. Professor	VLSI, Networking, RTS, SDN
6	Dr. Rashmi Ranjan Sahoo		Asst. Professor	Deep Learning, Trust Computing, WSN, Ad hoc & Sensor Networks, OS & Database Systems
7	Dr. Niranjan Panigrahi		Asst. Professor	Mobile Edge Computing, Intelligent Systems, Soft Computing, Optimization, WSN, QoS, Advanced Data Structure

# Current Faculty Information



Sl. No.	Name	Profile Pic.	Designation	Domain Areas
1	Dr. Kalyan Kumar Jena		Asst. Professor	Image Processing, IoTs, ML/DL, Compiler Design, Object Oriented Programming
2	Dr. Sourav Kumar Bhoi		Asst. Professor	IoTs, Edge/Fog Computing, VANETs, Sensor Network, ML/DL, Information Security, Cryptography & Network Security



# Current Faculty Information



Sl. No.	Name	Profile Pic.	Designation	Domain Areas
1	Mr. Amar Ranjan Dash		Guest Faculty	Web Accessibility, Algorithm Optimization
2	Mrs. Chapala Maharana		Guest Faculty	Soft computing, Data Mining
3	Ms. Amrita Dash		Guest Faculty	IOT, AI/ML
4	Mrs. Subhasmita Nibedita		Guest Faculty	Edge computing and Cyber Security
5	Ms. Monalisa Kar		Guest Faculty	IoT
6	Mr. Ashish Kumar Mohanty		Guest Faculty	Blockchain Technology
7	Mrs. Rashmi Rani Panda		Guest Faculty	Cyber Security, Algorithm optimization

# Current Faculty Information



Sl. No.	Name	Profile Pic.	Designation	Domain Areas
8	Mr. Kisan Prayag Patro		Guest Faculty	Computer Networking, IoT, Cryptography & Network security, Cloud Computing
9	Ms. M Soujanya		Guest Faculty	Machine learning, deep learning



# College Level Responsibility of Faculties



S. No	Name of Faculty/ Staff	Responsibility
1	Mr Kondanda Dhar Naik	1. Registrar
2	Mrs Ranumayee Sing	1. HoD, CSE Dept. 2. Program Officer NSS 3. Startup and Innovation Cell Member 4. ED Cell Member
3	Dr. Debasis Mohapatra	1. FIC Startup and Innovation Cell 2. IQAC Member 3. Warden, Debabrata Hall of Residence 4. ED Cell Member
4	Dr. Sasmita Rani Behera	1. FIC Central Library 2. T&P Cell Coordinator
5	Dr. Mitali Rani Sinha	1. FIC Dramatic Club
6	Dr. Rashmi Ranjan Sahoo	1. FIC COE Lab 2. FIC Guest House 3. FIC Internet & Networking
7	Dr. Niranjan Panigrahi	1. Asst. Warden Ekalavya Hall of Residence 2. FIC Robotics Club



# Laboratories

# Laboratory Information



## Facilities

1. C, C++ Compilers
2. Java SE Development kit, Microsoft Visual Studio
3. My Eclipse, NetBeans IDE
4. Apache Tomcat
5. My SQL, Oracle
6. PARAM Shavak DL GPU, PARAM Shavak Parallel Computing Server (Supercomputer)
7. Python and Machine Learning Tools
8. Other necessary compilers, software and hardware for computing
9. High Speed Internet Capability
10. New Operating Systems

## Types of labs

1. Comp. Lab
2. Object Oriented Programming Lab
3. Software Engg. Lab
4. System Programming Lab
5. Advance JAVA Lab
6. Operating System Lab
7. Computer Graphics Lab
8. Design of Algorithm & Analysis Lab
9. Database Engg. Lab
10. Formal Language Automata Theory Lab
11. Compiler Design Lab
12. Data Structure Lab
13. Computer Network Lab
14. Computer Organization Lab
15. Java Lab



# Department Society



# Agile (CSE Society)



- “Agile” was formed in July 2017 as a computer science and engineering society of PMEC, Berhampur whose basic objective is to organize different events such as seminar, webinar, workshop, conference, courses, training, competitions, research activities, etc. for the development of department, college, and society. All current faculties and students of CSE Department, PMEC Berhampur are members of this society.



## Faculty Coordinators/Treasurer

**Dr. Sasmita Rani Behera (CSE)**

**Dr. Kalyan Kumar Jena (CSE)**

**Sri. Kodanda Dhar Naik (CSE)**



# Department **Activities** (Jan-Dec 2024)



Sl. No.	Activity	Domain	Organized by	Date Conducted	Resource Person if any	Duration	No. of Participants
1	Tech Fest at Dept of CSE, P MEC Berhampur	Technical	Dept of CSE, P MEC Berhampur	21-23 Mar 2023	-	3 days	80+
2	Invited talk on AI/ML	AI/ML	Dept of CSE, P MEC Berhampur	13/04/2024	Prf. Shiba Kumar Udgata, Uni. Of Hyb.	1 day	80+
3	Jalachatra program, by Dept. of Computer Sci. and Engg., Berhampur on	Societal	Dept of CSE, P MEC Berhampur	23/04/2024	-	1 day	100
4	Internet and Web Technology at Dept. of CSE, P MEC Berhampur	Internet and Web Technology	Dept of CSE, P MEC Berhampur	(24th June to 15th July 2024)	-	21 days	80+
5	Internship on ML and DL on Supercomputer at Dept. of CSE, P MEC Berhampur	ML and DL	Dept of CSE, P MEC Berhampur	(20th June to 15th July 2024)	-	26 days	80+
6	Project Demonstration Competition on Application of ML/DL at Dept. of CSE, P MEC Berhampur	ML/DL	Dept of CSE, P MEC Berhampur	20.07.2024	-	1 day	80+
7	Workshop on IoT with AI/ML at P MEC Berhampur	AI/ML	Dept of CSE, P MEC Berhampur	23rd Sep.- 27th Sep. 2024	-	1 week	80+



# Faculty Achievements

(Jan-Dec 2024)



# Faculty Achievements

## Jan-Dec 2024 (Key Highlights)



Sl no.	Name	Activity	Activity Information if any	Area	Status
1	Dr. Debasis Mohapatra	Research Project	OURIIP, Govt. of Odisha	Complex Network	On-going since 04/2022
2	Dr. Sourav Kumar Bhoi, Dr. Kalyan Kumar Jena, Dr. Debasis Mohapatra, et al.	Patent	INDIAN Patent	Distributed Computing (Utility)	Granted
3	Dr. Kalyan Kumar Jena, Dr. Sourav Kumar Bhoi, Dr. Debasis Mohapatra, et al.	Patent	INDIAN Patent	Security (Utility)	Granted
4	Dr. Kalyan Kumar Jena, Dr. Sourav Kumar Bhoi, et al.	Patent	INDIAN Patent	IoT (Design)	Granted
5	Dr. Sourav Kumar Bhoi, Dr. Kalyan Kumar Jena, et al.	Patent	INDIAN Patent	IoT (Design)	Granted
6	Smt. Ranumayee Sing	Award	Best NSS Program Officer, Ganjam Dist Zoen, Dept. of Higher Edu., Govt of Odisha	NSS	Awarded
7	Dr. Sourav Kumar Bhoi & Dr. Kalyan Kumar Jena	Award	JN Panda Memorial Award, IET Odisha	Engineering	Awarded
8	Dr. Sourav Kumar Bhoi	Award	Rajalaxmi Award Best Engineering college teacher award, Odisha, ISTE	Engineering	Awarded
9	Dr. Kalyan Kumar Jena	Topper	Top 5% in C Programming, NPTEL Course	Programming C	Cleared

# Faculty Achievements

## Jan-Dec 2024 (Key Highlights)



**Invited Talk by Dr. Sourav Ku. Bhoi at Rajendra University, Balangir**



**Won JN Panda Memorial AWARD, IEI, Odisha by Dr. Sourav Ku. Bhoi**



**Felicitated Dr. Sourav Kumar Bhoi at IMIT Cuttack for ICCTCCI 2021 conference**



**Won Best Engg. College Teach Award, ISTE by Dr. Sourav Ku. Bhoi given on 2024**



# Faculty Achievements

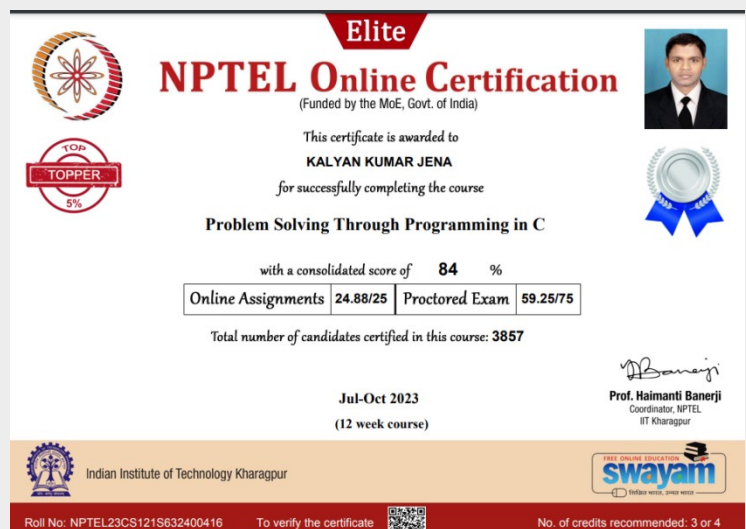
## Jan-Dec 2024 (Key Highlights)



**Smt. Ranumayee sing won Best NSS Programme Officer**



**Dr. Debasis Mohapatra delivered an invited talk in AICTE VAANI scheme at GIET Gunupur**



**Dr. Kalyan Kumar Jena Topper in NPTEL exam for programming C**

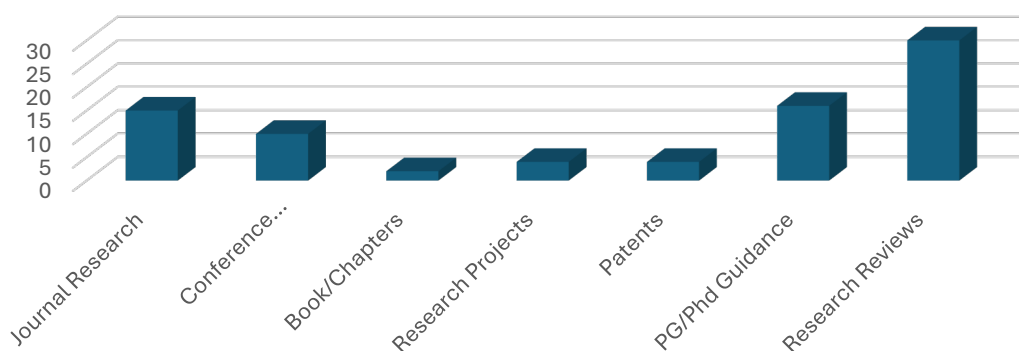
# Faculty Achievements

## Jan-Dec 2024



SL. No.	Achievements	Total
1	Total Number of Research Papers Published in Peer Reviewed/UGC/Scopus/SCI/SCI-E/AICTE Journals	15
2	Total Number of International or National Conferences Papers Presented/Proceedings published	10
3	Total Number of Books edited/book chapters published	2
4	Total Number of Research/Consultancy Projects undergoing/completed	5
5	Patents granted/Filed/Applied	4
6	Total Number of PG/Ph.D. Students guiding/guided	16
7	Total Number of Research Papers Reviewed	30

### Faculty Achievements





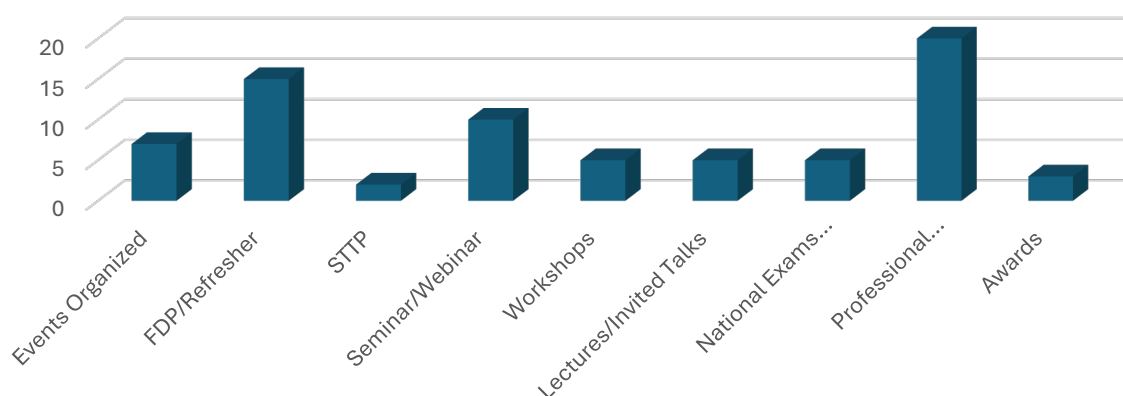
# Faculty Achievements

## Jan-Dec 2024



SL. No.	Achievements	Total
8	Total Number of academic/extracurricular events organized	7
9	Total Number of FDP/Refresher attended	15
10	Total Number of STTP attended	2
11	Total Number of Seminar/Webinar attended	10
12	Total Number of Workshop attended	5
13	Total Number of Invited Lectures/Talks	5
14	Total Number of National Exams Cleared (NITTT/NPTEL/AICTE/etc.)	5
15	Total Number of professional memberships taken	20
16	Total Number of International/ National Awards Received	3

### Faculty Achievements





# Students Achievements (Jan-Dec 2024)

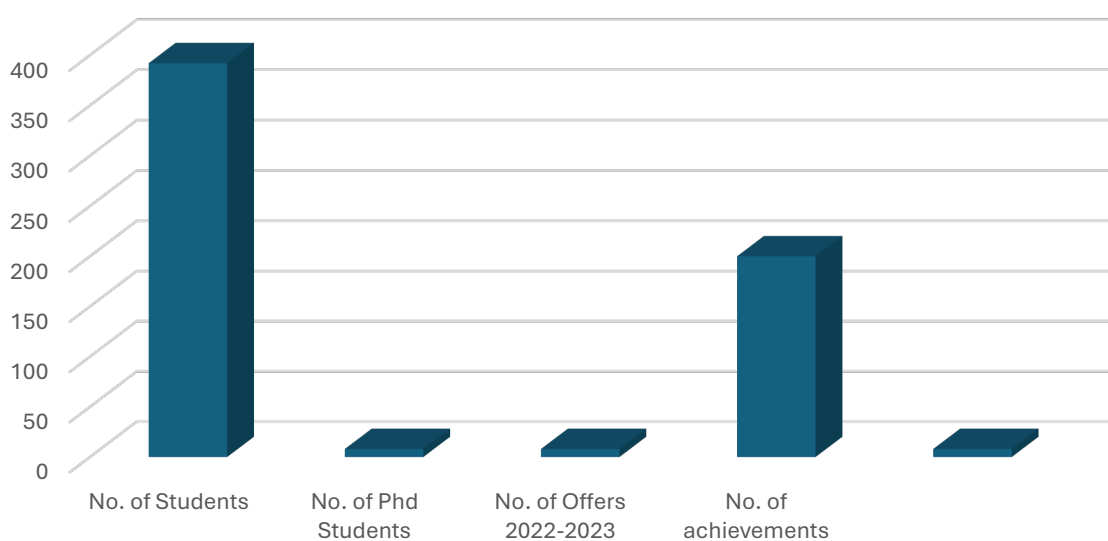
# Student Achievements

## Jan-Dec 2024



SL. No.	Achievements	Total
1	No. of Students studying B.Tech CSE in academic year 2024-25	392
2	No. of Students Pursuing Ph.D. Research work at Dept. of CSE, Nodal Centre of Research-PMEC Berhampur, BPUT in year 2024	8
3	No. of Placement offers from different Companies for 2021-25 Batch (some Data as per T&P)	8
4	No. of Awards, Appreciations, and Training/Internships in Academic or Extracurricular Activities in year 2023	200
5	No. of Research Publications/patents/etc. by Students (UG/PG/PhD) in year 2023	8

### Student Achievements



# Student Achievements

## Jan-Dec 2024



S NO.	Event Name	Institute	Participants	Achievement
1	Innovate-A-Thin 2.0	BIT Mersa	TEAM – Eonix  M Sheerya Patro, Sasmita Das, Debasish Sahu	Short Listed for final round in product development hackathon
2	Avishkaar Season 2	Aditya Institute of Technology and Management, Tekkali	TEAM  Pranjal Panda, Chhayakanta Dash, Baibhab Sahu, K Rabindra Nath Senapaty	Project Idea I selected for Avishkaar Season 2
3	14 <sup>th</sup> Project Innovation Contest-2025	KIIT, Bbsr	TEAM-1 Pranjal Panda & Chhayakanta Dash  TEAM-2 Baibhab Sahu & K Rabindra Nath Senapaty	Project was selected for the event.
4	Nirman Ideate	Silicon University,Bbsr	TEAM  Pranjal panda, Chhayakanta Dash, Baibhab Sahu	Got 5 <sup>th</sup> Position
5	NASA SpaceApps Noida 2024	-	PARTICIPANT Soumya Ranjan Sahoo	Short Listed for Content

# Student Achievements

## Jan-Dec 2024



## GATE-2024 Qualified

### GATE Score

SL.No.	Regd. No.	Name of the Student	Semester	Year	Mark Secured	GATE Score	Rank
1	2001109204	SHIBANI PATRO	8th	2020 - 2024	40.98	496	5717
2	2001109212	SUMIT RANJAN SATAPATHY	8th	2020 - 2024	31.52	393	12873
3	2001109206	SOUMYA RANJAN PADHY	8th	2020 - 2024	29.53	371	15185
4	2001109182	JAYANT NARAYAN NAYAK	8th	2021 - 2024	39.81	483	6317
5	2001109156	ABHISEK TRIPATHY	8th	2022 - 2024	29.89	375	14563
6	2101109163	SHRADHA SUMAN MOHANTY	6th	2021-2025	30.23	379	14161
7	2101109151	NALINI PRASAD DASH	6th	2021-2025	42.8	516	4882
8	2101109133	ASHUTOSH SAHOO	6th	2021-2025	33.84	418	10545

## Student Achievements (Previous Record)



## Our Recruiters



# Student Achievements (Previous Record)



Some of the previous placement records (as per college website)

## PLACEMENT RECORDS OF 2020-21

SL NO	BRANCH	COMPANY NAME	STUDENTS SELECTED	PACKAGE RANGE
1	CSE	TRADID TECHNOLOGIES PVT. LTD	3	2.5LPA
		APMOSYS	3	2LPA
		TECHNOFORTE SOFTWARE PVT. LTD.	1	3LPA
		INFOSYS	4	3LPA
		DIVAMI DESIGN LABS	3	3LPA
		WIPRO	10	3LPA
		COGNIZANT	4	3LPA
		ETEM INC.	1	2.04LPA
		SIYANA INFO SOLUTIONS PVT. LTD.	4	2.2LPA
		VUCHI MEDIA PVT. LTD.	2	3LPA
		SYSKOM SOFTTECH PRIVATE LIMITED	1	2.4LPA

## PLACEMENT RECORDS OF 2019-20

SL NO	BRANCH	COMPANY NAME	STUDENTS SELECTED	PACKAGE RANGE
1	CSE	APMOSYS	5	2.02LPA
		TECH MAHINDRA	1	1.5LPA
		TECHNOFORTE SOFTWARE PVT. LTD.	1	3LPA
		VINOVE SOFTWARE	2	3.6LPA
		TATA CONSULTANCY SERVICE	7	3.36LPA
		INFOSYS	6	3.5LPA
		HCL	1	3.6LPA
		CAPGEMINI	3	3.8LPA
		DIVAMI DESIGN LABS	7	3.6LPA
		WIPRO	4	3.5LPA
		COGNIZANT	1	4LPA
		AJATUS	1	2LPA
		SS TELESERVICES	3	2LPA
		ETEM INC.	2	2.04LPA
		PIE INFOCOMM PVT. LTD	3	3.5LPA



# Some Areas of Research and Development



- 5g/6G Technology
- Metaverse
- Digital Twin
- AI assisted Healthcare Technology
- AI enabled IoT Technology
- Fog computing and Edge Computing
- Blockchain
- Deep Learning and Machine Analytics
- Intelligent Systems and Robotics
- Optimization Engineering
- Sensor Networks
- AI enabled Technologies
- Cryptography and Network Security
- Cyber Security
- Video/Audio/Signal Processing
- Fault/Trust Computing
- Social Network Privacy
- Software Defined Networking
- Natural Language Processing
- Sentiment Analysis



# **Other Additional Facilities and Achievements**

## Other Additional Facilities



### **Dept. of CSE has the facilities such as:**

- Center of Excellence (High-Performance Computing Lab)
- Center of Excellence (Cyber Security and Cloud Computing)
- Conference Hall
- Smart Classroom and Seminal Hall
- Library (Access to Books, Journals, IEEE, Elsevier database)

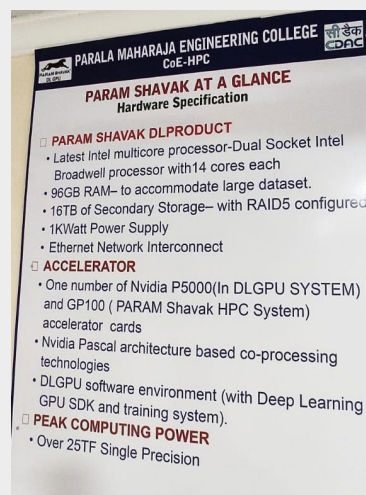
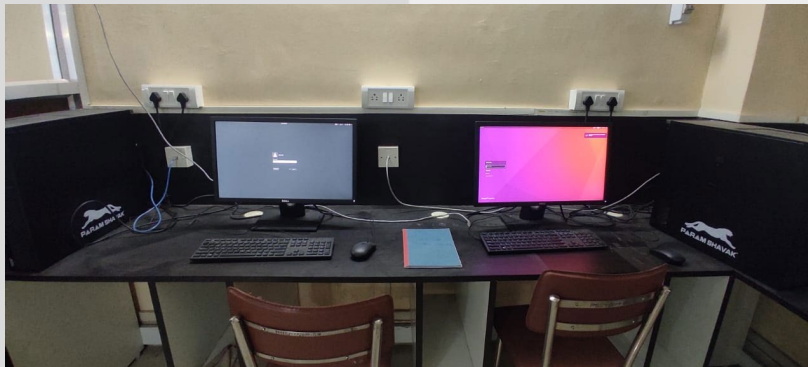
## Other Facilities



### Center of Excellence (High Performance Computing Lab)



### Center of Excellence (High Performance Computing Lab-Param Shavak)



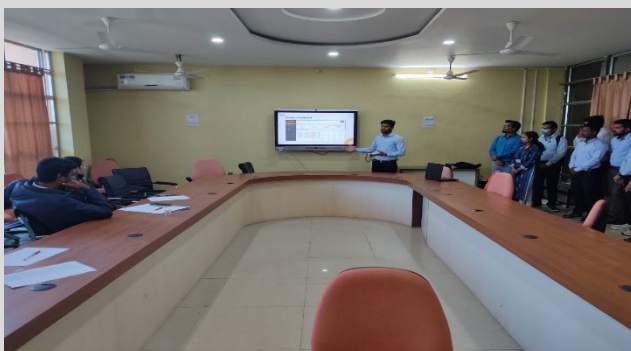
## Other Facilities



### Center of Excellence (Cyber Security and Cloud Computing)



### Conference Hall



### Dept. Smart Classroom/ Seminar Hall

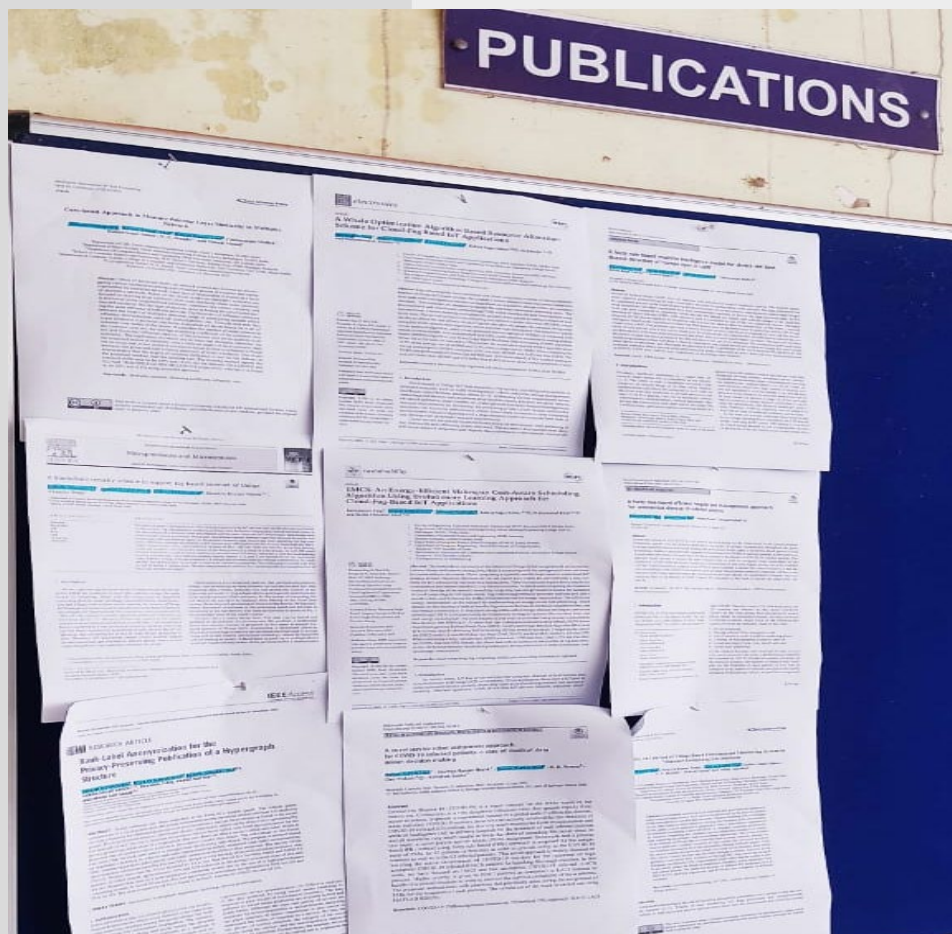




## Other Facilities



### Library and Publications Board



# Some CSE Dept. Research with Global Collaborations



## Some Few Journals (SCI-E/Web of Sci.) of 2023 ,2024, 2025:

1. Mishra, K., Majhi, S. K., Sahoo, K. S., Bhoi, S. K., Bhuyan, M., & Gandomi, A. H. (2024). Collaborative Cloud Resource Management and Task Consolidation Using JAYA Variants. *IEEE Transactions on Network and Service Management*.
2. Panigrahi, N., Patro, S. G. K., Kumar, R., Omar, M., Ngan, T. T., Giang, N. L., ... & Thang, N. T. (2023). Groundwater quality analysis and drinkability prediction using artificial intelligence. *Earth Science Informatics*, 16(2), 1701-1725.
3. Behera, S. R., Panigrahi, N., Bhoi, S. K., Bilal, M., Sahoo, K. S., & Kwak, D. (2023). A distributed fuzzy optimal decision-making strategy for task offloading in edge computing environment. *IEEE Access*, 11, 33189-33204.
4. Jena, K. K., Bhoi, S. K., Mohapatra, D., Mallick, C., Sahoo, K. S., & Nayyar, A. (2023). A fuzzy rule-based machine intelligence model for cherry red spot disease detection of human eyes in IoMT. *Wireless networks*, 29(1), 247-265.

## Some Few International Conferences (Top Tier)

1. **Bhoi, S. K.**, Obaidat, M. S., Puthal, D., Singh, M., & Hsiao, K. F. (2018, December). Software defined network-based fault detection in industrial wireless sensor networks. In *2018 IEEE Global Communications Conference (IEEE GLOBECOM), Abu Dhabi, UAE*, (pp. 1-6). IEEE.
2. **Mohapatra D**, Ranjan Patra M. A graph-based approach for privacy preservation of citizen data in e-governance applications. In *Proceedings of the 20th Annual International Conference on Digital Government Research 2019 Jun 18* (pp. 433-438), **Dubai, MBRSG, Dubai, UAE**.



# CSE Dept. Funded Research Projects and Patents



Sl No.	Area	Funding Organization	Status	PI/Co-PI
1	Smart Irrigation	MHRD, Govt. of India	Completed	Dr. Sourav Kumar Bhoi
2	Complex Network	OURIIP, Govt. of Odisha	On-Going	Dr. Debasis Mohapatra
3	Robotics Club R&D Development	SPICES, AICTE, Govt. of India	Completed	Dr. Sourav Kumar Bhoi
4	Web Development	Apay Technology and Solution	Completed	Dr. Sourav Kumar Bhoi, Dr. Kalyan Kumar Jena
5	Web Development	Apay Technology and Solution	Completed	Dr. Kalyan Kumar Jena, Dr. Sourav Kumar Bhoi

# Some Students Research Publications



## ► Key Student Research Papers

1. **Roy, A. K.**, Jena, K. K., & Mohapatra, D. (2023, December). Water Pumping Requirement Prediction in Irrigation System Using Internet of Things-Assisted Machine Intelligence-Based Approach. In *International Conference on Advances in Computational Intelligence and Informatics* (pp. 131-138). Singapore: Springer Nature Singapore.
2. **Sing, R.**, Bhoi, S. K., & Panigrahi, N. (2023, December). A Fault-Tolerant Load Balancing Approach Using Whale Optimization Algorithm for Cloud-Fog Based IoT Applications. In *2023 OITS International Conference on Information Technology (OCIT)* (pp. 231-236). IEEE.
3. **Behera, S. R.**, Panigrahi, N., & Bhoi, S. K. (2023, December). A Novel Dynamic D2D-assisted Offloading Decision Making in Multi-user Edge Computing Environment. In *2023 OITS International Conference on Information Technology (OCIT)* (pp. 144-149). IEEE.
4. Mohapatra, D., & **Dash, B.** (2024). Three-level scoring based on community and decomposition structures to identify influential spreaders in a social network. *International Journal of Data Science and Analytics*, 1-14.
5. Mohapatra, D., **Singh, S., Pradhan, R., & Behera, S. R.** (2023, December). Integrating structural features for link prediction in directed social network using supervised machine learning with Shapley Additive exPlanations. In *2023 OITS International Conference on Information Technology (OCIT)* (pp. 468-472). IEEE.
6. Panigrahi, N., **Ayus, I., & Jena, O. P.** (2021). An expert system-based clinical decision support system for Hepatitis-B prediction & diagnosis. *Machine Learning for Healthcare Applications*, 57-75.
7. **Ayus, I.**, & Panigrahi, N. (2021). A Decision Support System Using Rule-Based Expert System for COVID-19 Prediction and Diagnosis. In *Applications of Artificial Intelligence in COVID-19* (pp. 119-140). Springer, Singapore.
8. Jena, K. K., Bhoi, S. K., Mallick, C., **Jena, S. R.**, Kumar, R., Long, H. V., & Son, N. T. K. (2022). Neural model based collaborative filtering for movie recommendation system. *International Journal of Information Technology*, 1-11.
9. **Apoorva, A., Mishra, G. K.**, Sahoo, R. R., Bhoi, S. K., & Mallick, C. (2021). Deep Learning-Based Ship Detection in Remote Sensing Imagery Using TensorFlow. In *Advances in Machine Learning and Computational Intelligence* (pp. 165-177). Springer, Singapore.
10. Jena, K. K., Bhoi, S. K., **Behera, B. D., Panda, S., Sahu, B., & Sahu, R.** (2019, December). A trust based false message detection model for multi-unmanned aerial vehicle network. In *2019 Third International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)* (pp. 324-329). IEEE.
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# How to reach PMEC



## Location of Berhampur

Berhampur now known as Brahmapur is in the **Ganjam district of Orissa (Odisha), India**. It lies on the **eastern coastline of India** and is located at about 160 km from the state capital Bhubaneswar.

## By Air

The nearest airport to reach Berhampur is in **Bhubaneswar at about 168 km away**. It has connectivity to the major airports in India. Berhampur (Brahmapur) has its own airport now known as Brahmapur Airport, but it does not have any commercial flights.

## By Rail

Berhampur has its own railway station, and it lies on the way to the many **major railway lines connecting the major cities**. Most of the trains stop there. It has connectivity to Bhubaneswar, New Delhi, Kolkata, Chennai, Mumbai, Ahmedabad, Bengaluru, Cuttack, Nagpur, Pune, Puri and other important cities.

## By Road

Berhampur is connected well to other towns of Orissa and other states by **National Highways NH-5 (Chennai-Kolkata) and NH-217 (Gopalpur-Raipur)**. Frequent buses will be available to Berhampur from all destinations including Bhubaneswar, Puri, and Kolkata.

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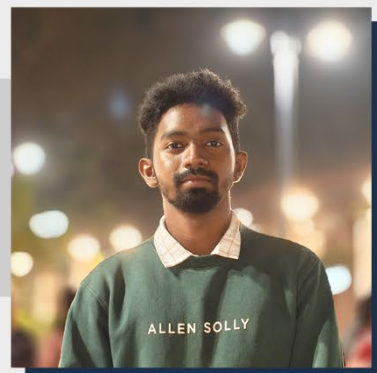
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