



Powering future: IOT for Electrical
NEWSLETTER OF ELECTRICAL ENGINEERING
DEPARTMENT

JAN-JULY 2024

“Success is not final, failure is not fatal: it is the courage to continue that counts.”



DEPARTMENT

Vision

To be a progressive and advanced centre where Electrical engineering students will be provided quality technical knowledge and skill to meet the current and future Electrical engineering challenges, serving the society.

Mission

M1: To impart quality electrical engineering education blended with contemporary and interdisciplinary skills.

M2: To provide enhanced learning facilities and professional collaborations to impart a culture of continuous learning.

M3: To Develop a solid foundation in electrical engineering, fostering adaptability and pursuit of advanced learning.

M4: To involve in trainings and activities on communication skills, teamwork, Professional ethics, environmental protection and sustainable development.

Patrons

- Dr. T. MOHANTY
- Mr. S. K.ROUT
- Dr.P.R.TRIPATHY
- Mr. A. K.BEHERA

Chief- Editors

- Mrs. S.S.ATTANAİK
- Dr. S.K.BHATTA

MESSAGE FROM THE DESK OF HOD



I congratulate the Electrical Engineering department on the release of their newsletter on **IoT for Electrical Engineering**. Your commitment and teamwork have brought remarkable progress, from pioneering IoT research to creating an inspiring learning environment. These achievements showcase both your technical expertise and collaborative efforts, setting a high standard for future innovations. I am confident that this momentum will lead to even greater advancements in IoT applications within electrical engineering, enhancing both academic and industry impact. Keep up the outstanding work, and may your efforts continue to shape the future of IoT in the field.



Mr. A. K. BEHERA

[HOD, EE]



CONTENTS



Faculty Achievements

Award Received

MOU Signed

Industrial Visit

Student Achievements

Star Performer

**Stay
Connected!
Follow for
more.**

<https://kp.kiit.ac.in/>



- **Mr. S. K. BHATTA**

Mr. Sunil Bhatta from the Electrical Engineering department on being awarded the Higher Degree (HD). This accomplishment is a testament to your dedication, hard work, and commitment to excellence in your field. The entire department is proud of your achievements, and we look forward to seeing your continued contributions to electrical engineering.



- **Mrs. S. S. PATTANAİK**

- Published a research paper on “Life cycle assessment and forecasting for 30kW solar power plant using machine learning algorithms e-Prime - Advances in Electrical Engineering, Electronics and Energy, Volume 7,2024, 100476, ISSN 2772-6711, <https://doi.org/10.1016/j.prime.2024.100476>.
- Published a research paper on, " Comparison of Solar Power Forecasting Using RNN-Dense and LSTM-Dense Neural Network, 2024 1st International Conference on Circuits, Power and Intelligent Systems (CCPIS), Bhubaneswar, India, pp. 1-4, doi: 10.1109/CCPIS59145.2023.10291700.
- Short-Term Forecasting of Wind Energy Using Linear Regression Approach. In: Pal, M., Guerrero, J.M., Siano, P., Das, D., Chowdhuri, S. (eds) Innovations in Energy Management and Renewable Resources. IEMRE 2023. Lecture Notes in Electrical Engineering, vol 1239. Springer, Singapore. https://doi.org/10.1007/978-981-97-6390-0_16

AWARD RECEIVED



KIIT Polytechnic Receives Award of Appreciation from Board of Practical Training (ER) Kolkata, Ministry of Education, Govt. of India on 07/09/2024. Several Institutions & industries engaged in Skill Development through National Apprenticeship Training Scheme (NATS) participated in the event. From the state of Odisha, KIIT Polytechnic bagged the honor for its effective engagement in competency development. On behalf of KIIT Polytechnic Mr Sukanta K Rout, Vice Principal & Dr Pampa Nandi, Head Placement received the award.





KIIT Polytechnic signed MoU with PISPL, Kolkata. It will provide an Opportunity for Internship, Design, Testing & Live Industry Project of our students.

An MoU on IoT provides electrical engineering students with practical training, industry exposure, and hands-on experience in emerging technologies. It opens doors to advanced research opportunities and skill development in programming, data analysis, and networking. Students gain insights into real-world applications, preparing them for high-demand careers. Enhanced learning through industry collaboration also boosts their job readiness. Overall, this partnership equips students to excel in the evolving landscape of IoT.

INDUCTION PROGRAMME

KIIT Polytechnic conducts the **INDUCTION PROGRAM -2024** for Freshers. During the program , students were oriented about the organization's leadership, achievements, academics, examination and evaluation scheme, rules and regulations and facilities.

Dr. Tanmay Mohanty, Principal, Mr. Sukanta Ku Rout, Vice Principal, Mr. Lalita Mohan Lenka, Coordinator, Students' Welfare, and Mr. Satya Sundar Das, Dy. Director, KP spoke during the Induction Programme.



INDUSTRIAL VISIT

The department of Electrical Engineering, KIIT Polytechnic organized an industrial visit for final year students to the Central Tool Room and Training Centre (CTTC), Bhubaneswar on August 6, 2024. This visit provided the students with a valuable opportunity to acquire hands-on experience in advanced manufacturing techniques and technology, thereby bridging the gap between theoretical knowledge and practical applications.





We heartily congratulate third year EE students and wish them all "GOOD LUCK" for their bright and prosperous future ahead.

STUDENT ACHIEVEMENT

KIIT Polytechnic students' project title "Strength properties of sustainable concrete made with waste plastic coarse aggregate" bags 3rd prize in Odisha Technological Conclave 2024 organised by Evergreen Forum, Bhubaneswar.



STAR PERFORMERS



"Success is the result of hard work, perseverance, and learning from failure."

3rd YEAR |

A white rounded rectangular profile card for Nikita Kumari. It features a yellow star in the top left corner, a large yellow circle, and a yellow rectangular nameplate containing the text "NIKITA KUMARI". The card is decorated with blue and white geometric shapes on the left side.

2nd YEAR |

A blue rounded rectangular profile card for Pratyush Moharana. It features a yellow star in the top left corner, a large yellow circle, and a yellow rectangular nameplate containing the text "PRATYUSH MOHARANA". The card is decorated with blue and white geometric shapes on the right side.