
Pooja Tiwari

Gorakhpur
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Objective

To engage in advanced research and teaching in the area of Electronics and Communication Engineering, focusing on device modeling and emerging technologies, while fostering innovation and academic excellence.

Experience

- KIPM - College of Engineering & Technology** March 2025 - Present
Assistant Professor
Teaching and mentoring undergraduate students. Actively involved in research and departmental academic activities.
- Mediatek** March 2024 - Jan 2025
Associate Engineer - Software Testing (Internship)
Conducted manual and automated testing on multiple projects, ensuring software functionality and reliability.
- Aakash Educational Services limited** Nov 2022 - Jan 2024
Assistant Lecturer - Mathematics
Develop and implement lesson plans that align with the state standards and meet the individual needs of students. Create a positive and engaging learning environment that fosters student growth and development.

Skills

- Analog & Digital Electronics
- Research Paper Writing & Publication
- Student Mentoring and Guidance
- Programming Languages: SQL, Python (Pandas, NumPy)
- Machine Learning
- Data Analytics and PowerBi
- Artificial Intelligence and MongoDB
- Application Testing

Education

- Madan Mohan Malviya University of Technology, Gorakhpur**
M.Tech - Communication Engineering 2022
82.40%
- Institute of Technology and Management, Gida Gorakhpur**
B Tech - Electronics and Communication Engineering 2020
78.90%

Projects

- Analysis of Zomato Order by using SQL**
Analyzed a dataset from a food delivery platform to extract insights and generate reports.
- Understand the global covid-19 mortality rates by Power Bi**
Developed an interactive Power Bi dashboard to analyze and visualize global COVID-19 mortality rates.

- **A Smart Cane**

The main objective is to design an assistive technology for visually impaired people that can detect obstacles and alert the blind person to change their path.

Courses And Certification

- Data Science
- SQL
- Artificial Intelligence
- Python Programing
- Power Bi
- Embedded System

Papers Published

- Modelling and Simulation of Tin Sulfide (SnS) based solar cell using ZnO as Transparent Conductive Oxide (TCO) and NiO as Hole Transport Layer (HTL) - Micromachines November 2022.
- Design and Simulation of Efficient SnS-based solar cell using Spiro-OMeTAD as Hole Transport Layer - Nanomaterial May 2022.