

NAISARGIKA YADAV
Electrical Engineering Research Professional

CONTACT DETAILS

Mobile: 8433458795, 09411841623
Email: naisargika05@gmail.com
Location: Mainpuri, Uttar Pradesh, India

PROFESSIONAL SUMMARY

Research professional with a background in Electronics Engineering and Control Systems. Currently working as Senior Research Assistant (SRA) in the Department of Electrical Engineering, Rajkiya Engineering College, Mainpuri. Experienced in electrical machine condition monitoring, induction motor fault diagnosis, signal processing, MATLAB-based analysis, and experimental research.

PROFESSIONAL EXPERIENCE

Senior Research Assistant (SRA)
Department of Electrical Engineering, Rajkiya Engineering College, Mainpuri
2024 - Present

- Research activities related to electrical machines and fault diagnosis.
- Experimental setup, data acquisition, signal analysis and fault identification.

RESEARCH PUBLICATION

Diagnosis of Induction Motor Bearing Faults via Frequency Spectrum based Current Signatures
Authors: Naisargika Yadav, Anshul Kumar Mishra, Archana Sharma, Jay Pratap, Neeraj Singh, Kuldeep Prajapati
9th International Conference on Inventive Systems and Control (ICISC-2025)
Publication Date: 12 August 2025 | Pages: 1308-1311
DOI: 10.1109/ICISC65841.2025.11187613

RESEARCH PROJECTS

Present Research Project: Condition Monitoring and Fault Diagnosis of Induction Motor
M.Tech Project: Speed Control of Induction Motor Using PWM
B.Tech Project: Design of Sun Tracking Solar Charger

EDUCATION

Class X (CBSE), SBRL Mainpuri - 2007 - 79.4%
Class XII (CBSE), SBRL Mainpuri - 2009 - 81.6%
B.Tech Electronics Engineering, Dr. AITH Kanpur, UPTU - 2013 - 70.2%
M.Tech Control System, HCST Mathura, UPTU - 2016 - 78.82%
D.El.Ed, BKM P.G. College Mainpuri, SCERT Prayagraj - 2019 - 86.5%
CTET, CBSE - December 2019 - 118 Marks

TECHNICAL SKILLS

MATLAB, Signal Processing, Electrical Machine Analysis, Condition Monitoring Techniques, Embedded Systems, Circuit Analysis, Soldering, Microsoft Office.

SEMINARS PRESENTED

Condition Monitoring of Induction Motor - Rajkiya Engineering College, Mainpuri
Women Empowerment - BKM P.G. College, Mainpuri
Artificial Neural Network - HCST Mathura
Light Peak Technology - Dr. AIITH Kanpur

WORKSHOPS & TECHNICAL EVENTS

Signal Processing 3.0 - National Institute of Technology Hamirpur, Himachal Pradesh (2026)
Reconnect 2025 - Netaji Subhas University of Technology, Delhi (2025)
Biomedical Instrumentation & Measurement - Anand Engineering College, Agra
Entrepreneurship Development Program - MSME Development Institute, Agra
Application of MATLAB - IETE Kanpur at IIT Kanpur
Manual Robotics - I SKY Technologies Kanpur

LANGUAGES KNOWN

Hindi, English