

G.H. Raisoni College of Engineering, Nagpur

Department of Electronics Engineering

Department Vision

To achieve excellent standards of quality education by keeping pace with rapidly changing technologies and to create technical manpower of global standards in Electronics Engineering with capabilities of accepting new challenges.

Department Mission

M1:To impart quality and value based education to raise satisfaction of all stakeholders.

M2:To contribute towards the advancement of engineering and technology to create competent professionals.

M3:To provide all possible support to promote research & development activities in the field of Electronics engineering and allied areas.

Program Educational Objectives(PEOs)

The graduates shall be able to

PEO1: Apply their technical skills to find solution of complex problems encountered in modern electronics engineering practice.

PEO2: Function effectively in the rapidly changing world in broad context of electronics engineering to develop new products and technologies for mankind.

PEO3: Cater to all Stakeholders, Quality Assurance & take up higher studies in electronics and allied areas in engineering

PEO4: Utilize their skills in ethical and professional manner to contribute to research & development of innovative products.

Program Specific Outcomes (PSOs)

The graduates shall

PSO1: Utilize the knowledge of signal processing and biomedical electronics.

PSO2: Demonstrate innovation and shall have capacity to protect IPR.

PSO3: Demonstrate industrial practices learned through internship and solve the live problems of industries.

Program Outcomes (POs)

The graduates shall

PO1:Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2:Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3:Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4:Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5:Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6:The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7:Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8:Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9:Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

P10:Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

P11:Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

P12:Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

BoS

| Sr. No | Name and Contact Details | Department and Organization | Designation in BOS |
|--------|--------------------------|--|---|
| 1 | Dr. M. M. Khanapurkar | Professor & Head, Electronics & Telecommunication Engineering Department, G. H. Rasoni College of Engineering Nagpur | Chairman |
| 2 | Dr. Preeti Bajaj | Director,G. H. Rasoni College of Engineering Nagpur | Permanent Invitee |
| 3 | Dr. S.S. Dorle | Professor and Head , Electronics Engineering Department, G. H. Rasoni College of Engineering Nagpur | Faculty Representative ,(Communication Systems) |
| 4 | Dr. A.Y. Deshmukh | Professor, Electronics Engineering Department, G. H. Rasoni College of Engineering Nagpur | Faculty Representative (VLSI) |
| 5 | Dr. S.S. Salankar | Professor, Electronics and Telecommunication Engineering Department , G. H. Rasoni College of Engineering Nagpur | Faculty Representative,(Image Processing) |
| 6 | Dr. D.V. Padole | Professor, Electronics Engineering Department, G. H. Rasoni College of Engineering Nagpur | Faculty Representative,(Embedded Systems) |
| 7 | Dr. S.D. Giripunje | Professor, Electronics Engineering Department, G. H. Rasoni College of Engineering Nagpur | Faculty Representative,(Soft Computing) |
| 8 | Dr. K. Hari | Professor, Department of ECE,Indian Institute of Science, Bangalore | Subject Expert |
| 9 | Dr. A. N. Rajagopalan | Professor, Electrical Engineering Department , IIT, Madras (TN) | Subject Expert |
| 10 | Mr. AshishPoogalia | Amazon Nagpur | Subject Expert nominated by RTMNU |

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| | | | , Nagpur |
| 11 | Mr. Arvind Kumar | Software Engineer, TCS Nagpur | Professional Expert from Industry |
| 12 | Dr. Prashant Sharma | Director , Smart Drivers Pvt. Ltd. | PG Alumni Member from Industry |
| 13 | Ms. Deepali Ghawalkar | Topper of VI semester (E & TC) | Student Nominee (ETC) |
| 14 | Ms Pavani Shah | Topper of VI semester (ETRX) | Student Nominee (ETRX) |