



G H RAISONI COLLEGE OF ENGINEERING, NAGPUR

DEPARTMENT OF ELECTRONICS ENGINEERING

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.



EDITORIAL BOARD **STUDENTS
COORDINATOR**
Dr. S. S. Dorle Miss Neha Badwaik
Prof. M.M. Pathan

MISSION

M1: To impart quality and value based education to raise satisfaction of all stake holders. **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.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

The graduates shall

1. Apply, Identify, technical skills to find solution complex problems encountered in Modern Electronics Engineering practice.
2. Function effectively in the world of rapidly changing technologies in the broad context of Electronics Engineering and develop products and technologies in service to mankind.
3. Satisfy Stake holders, Quality Assurance & take up higher studies in Electronics and allied areas in engineering & management.
4. Use their skills in ethical and & professional manner to contribute to research & development & Innovative products.

Program Specific Outcomes (PSOs):

The Electronics Engineering Graduates shall be able to

PSO1: Utilize the knowledge of digital systems, embedded systems, signal processing and image processing in challenging and innovative environment for the research and development.

PSO2: Design a variety of electronics and computer-based systems for applications including communications, signal processing and computer networks.

PSO3: Explore the scientific methodologies and the new cutting edge Technologies in VLSI and robotics engineering.

PROGRAMME OUTCOMES (POS)

Engineering Graduates will be able to:

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.

Event Title: CRT Classes organized & Conducted by ETHNUS in the Department of Electronics Engineering.

PHOTOGRAPH OF THE EVENT:



DESCRIPTION ABOUT THE EVENT:

Department of Electronics Engineering Organized CRT classes for the students of Final Year in the month of June- July 2017. Classes were conducted by renowned Campus recruitment training provider ETHNUS, Bangalore. Total 137 students have benefited by this activity.

Event Title: Department of Electronics Engineering organized an ISR activity under **Forum-Zenith**



DESCRIPTION ABOUT THE EVENT:

Department of Electronics Engineering organized an ISR activity under **Forum-Zenith** in which students visited to the **ZillaParishad School**, Digdoh hills, Indira Nagar, Nagpur on 22nd July 2017. Wherein departmental students conducted many activities such as Information of Freedom fighters through Power Point presentation for V std students. Few outdoor games were conducted like Racing, Cricket, Kho-Kho, etc. Some Classroom activities were conducted in different classes like Poem Recitation for I standard, Quiz competition in II and III standard. Goodies were given to the students as a part of competition to encourage them for more participation , it was great experience for all our students. Whole activity was carried out under the Guidance of Head of Department Dr. S. S. Dorle, Forum Incharges Prof. S. N. Joshi , Prof. S. S. Sorte and Faculty accompanied the activity was Prof. Sunil Punjare.

Event Title: Mr. Ajinkya C. Nagmote, Student of Electronics Department won the tag of Mr. Maharashtra Active Man of the Year At the event Mr. & Miss. Maharashtra Icon 2017



DESCRIPTION ABOUT THE EVENT:

Mr. Ajinkya C. Nagmote Student of G.H. Rasoni college of Engineering of fifth semester, Electronics Department won the tag of Mr. Maharashtra Active Man of the Year in Mr. & Miss. Maharashtra Icon 2017, held on 15th of July, 2017, organized by Fascinating Event & NIVI NIVI Creation at Airport centre Point, Nagpur.

22 contestants were selected for the Finale. Grooming session were organized from 11th of July till 14th of July, where they compete and among them top 10 were shortlisted for the Q&A round on Finale. Of which one, Mr. Ajinkya is also shortlisted for Mr. India competition which will be held in the month of November 2017. Department of Electronics congratulate for his success and appreciate his efforts.

***Event Title: One Day Workshop on “Hands on XILINX”
in Department of Electronics Engineering Under Forum
Zenith***



DESCRIPTION ABOUT THE EVENT:

Department of Electronics Engineering Organized One Day Workshop on Hands on XILINX & Verilog Coding with students Forum Zenith with students on 22nd July 2017. Around 35 students from Electronics Engineering department participated in the workshop. Workshop started at 10:30 AM with Introduction to Xilinx by Prof MayurKatwe which is followed by hands on Xilinx kit. Students had participated enthusiastically in the workshop & had discussion on various topics related to their project in this area. Workshop was coordinated by Forum In-charge Prof S. N. Joshi & Prof. S. S. Sorte under guidance of Head of Dept. Dr. S. S. Dorle