



Dr. P. V. Walke
Head of Department

Dr. D. J. Tidke
Faculty Advisor

Mr. A.S.Raut
In-charge Dept. News Letter

Members
Mr. V.M.Wankar
Member Dept. News Letter

Mr. R.A.Jibhakte
Member Dept. News Letter

Mr.Shubham Thosar

Editor (Students)
Mr.Anurag Dhariya

Mr.Pawan Patel

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Vision and Mission of the Mechanical Engineering Department

Our Vision

To be recognized internationally for quality education and research in Mechanical Engineering with excellence in fields of design, manufacturing and thermal sciences.

Our Mission

To prepare professionally competent and broadly educated mechanical engineers by developing analytical and research abilities, encouraging culture of continuous learning and by adopting new technologies to solve complex problems.

Programme Educational Objectives of Department (PEOs)

The educational objectives of the Mechanical Engineering programme are designed to produce competent engineers who are ready to contribute effectively to the advancement of Mechanical Engineering causes and to accommodate the needs of the profession. The Mechanical Engineering Department is dedicated to graduating mechanical engineers who:

1. Shall practice Mechanical Engineering in the general disciplines of design, thermal and manufacturing engineering in industry and establishments in government and private sectors.
2. Shall apply fundamental technical knowledge and skills to find workable solutions to technological challenges and problems in various areas of Mechanical Engineering.

3. Shall pursue advanced education, research and development, and other creative efforts in science and technology.
4. Shall conduct themselves in a responsible, professional and ethical manner for the benefit of the industry and society.

Programme Outcomes (POs)

1. Acquire knowledge in the discipline of Mechanical Engineering, apply fundamentals of mathematics, engineering and sciences and apply technologies to solve real problems in inter and cross disciplinary areas.
2. Search out relevant technical information, use analytical tools to formulate problems and identify workable solutions.
3. Design mechanical systems, components, or processes to meet their performance needs from considerations of public health and safety as well as cultural, societal, and environmental issues.
4. Engage in R & D pursuits, set up and conduct experiments, analyze and interpret the data using tools, techniques and instrumentation in mechanical engineering and interdisciplinary area.
5. Identify, formulate and solve mechanical engineering using modern design and manufacturing approaches and the computational and software tools.
6. Understand the responsibilities associated with the use of engineering and technology practices on societal issues of concern in respects of health, safety, legal and culture.
7. Understand contemporary issues in sustainable development and in providing technology solutions considering impact of economic, social, political, environmental and global issues.
8. Understand ethical and professional issues and responsibilities in engineering practice, the creative enterprise, loyalty and commitment.
9. Communicate effectively in written, oral and graphical forms, provide instructions and present the results in a professional manner.
10. Possess knowledge of management principles, materials, processes and systems-working to function effectively as a member of team in products manufacturing and projects execution in multidisciplinary environments.
11. Develop ability to engage in lifelong learning, adapt new developments and participate in continuing education opportunities to remain active in the profession and foster personal and organizational growth.

**Project win First Prize of Rs. 1
Lakh in National Level
Competition CREATRIX - 2015**



Project titled “Design and Development Garlic Peeling Machine” got first Prize of Rs. 1 Lakh in National Level project competition CREATRIX – 2015 which was held on 23rd February 2015 at Prof. Ram Meghe Institute of Technology and Reasearch, Badnera, Amravati. Under the aegis of TECH-KNOW EXPERTS-2015 on the theme ‘Make In India for Rural Prosperity’. This Project developed by final year student Mr Ashish R. Bais, Mr. Pratik D. Khadode Mr. Akash N .Saraf, Mr. Ankit S. Gawande under the guidance of Prof. Nilesh Awate.

**Dr. D. J. Tidke felicitated by
Institute of Engineers (India),
Nagpur chapter**



Dr. D. J. Tidke, Professor of Mechanical Engineering at G H Raison College of Engineering, Nagpur was felicitated and presented a Scroll of Honour recently at the inaugural function of All India Seminar ‘QUALITY PROGRESS-2015’ organized by The Institute of Engineers (India) Nagpur Chapter and Shreyash Quality Management System, Nagpur.

The appreciation award was in recognition of the great academic contributions of Dr. D. J. Tidke to quality movement in Vidarbha over the past four and half decades as a committed teacher of mechanical engineering and quality management. The acclaim acknowledges his pioneering efforts especially in enhancing

industry academia interaction and spear heading quality circles activities in the region. Dr. D. J. Tidke has contributed immensely towards improvement of quality and productivity of small and medium scale manufacturing industries and training in application of modern techniques.

Invited talk on Vibration & its Analysis for 4th semester BE students



Department of Mechanical Engineering has organized invited talk on vibration & its analysis by Mr. D. P. Mukherjee, Ex-Junior Works Manager, Ordnance Factory Ambazari, Nagpur on 06th February 2015 under ASME Student Chapter for 4th semester section B students. Mr. D. P. Mukherjee during his talk covered the important aspects of vibration & its analysis and its significance in industries.

Industry Visit to Parle G Company, Nagpur



Department of Mechanical Engineering, G.H. Raison college of Engineering, Nagpur has organized Industrial visit on 7th February 2015 to Parle G Company, Shivam Foods, Nagpur for 6th semester Section A and 2nd Semester M.Tech. CAD/CAM students. Mr. Ajay Petkar, officials of Parle G factory given brief information about various processes and functioning of various departments in Parle G Company.

Industry Visit to Water Treatment Plant, NMC, Gorewada, Nagpur



Department of Mechanical Engineering, G.H. Raison college of Engineering, Nagpur has organized Industrial visit on 7th February 2015 to Nagpur Municipal Corporation, water treatment plant, Gorewada, Nagpur for 8th semester Section A students. Mr. Gowardhan, Director, OCW and Mr. Chitnis, Dy. Engineer has given brief information about various processes and functioning of various departments in water treatment plant.

Article written by student

Life is the sum of experiences that we encounter as we go through life. Day to day struggles and triumphs are experienced by all of the world's creatures. As human beings, when we encounter a challenge, we have freedom to choose how to react. Every decision that we make leads us down a different road. We will never come to exactly the same crossroads. Every decision that we make has significance. The tiniest choice that we make reverberates throughout the entire universe.

.....Shubham Thosar

6th Semester Section B