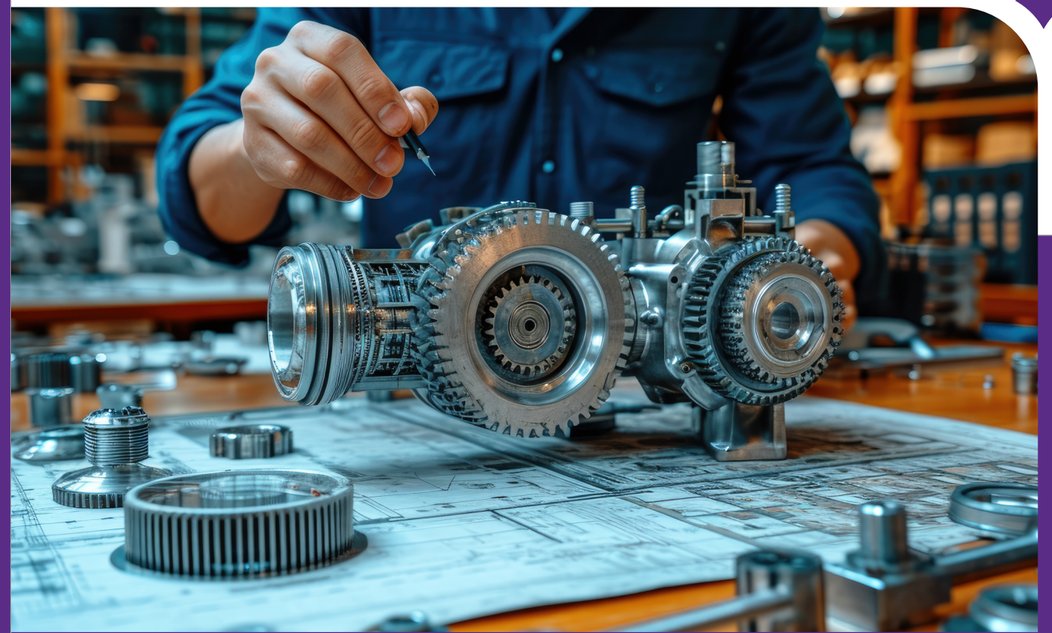
GH raisoni COLLEGE | Engineering and Management Nagpur

An Autonomous Institute, Affiliated to RTMNU, Nagpur
NAAC Accredited "A+" Grade

Department of Mechanical Engineering



GEAR UP
newsletter
2025-26

Volume : XVI, Issue : I

Campus : 37-39/1, Shradha Park, Hingna-Wadi Link Road, MIDC, Nagpur - 440016
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raisoni EDUCATION
Nagpur | Pune | Jalgaon | Amravati | Pandhurna | Bhandara

Department of Mechanical Engineering

GEAR UP

AY 2025-26

A SNEAK PEEK INSIDE THIS ISSUE.....

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Vision & Mission of Institute

VISION

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

MISSION

- **M1 :** Our efforts are dedicated to impart quality and value based education to raise satisfaction level of all stakeholders.
- **M2 :** Our strength is directed to create competent professionals.
- **M3 :** Our endeavor is to provide all possible support to promote research and development activities.

Vision & Mission of Department

VISION

To create excellence in the field of Mechanical Engineering by imparting quality education so as to develop our students to be capable of facing technological challenges.

MISSION

- **M1 :** To impart quality teaching–learning and assessment process that ensures attainment of program outcomes
- **M2 :** To provide quality, innovative, and industry-relevant education that develops competent and professional mechanical engineers with strong fundamentals and problem-solving skills.
- **M3 :** To promote experiential and research-oriented learning through projects, internships, industry interaction, use of modern engineering tools, and to inculcate professional ethics, teamwork, communication skills, and lifelong learning to address societal and global challenges.

About the Institute

G H Raisoni College of Engineering & Management, Nagpur (GHRCEM) was established in the year 2008 and is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. It is recognized by All India Council for Technical Education (AICTE) and is accredited by NAAC with A+ grade with a score of 3.5 in 4 point scale. GHRCEMN has made its mark in the world of education by enlightening minds and empowering ambitions.

GHRCEM has become the center of learning in a short span of time. It offers a plethora of courses to suffice the educational needs of undergraduate and post graduate students. It makes sure to catalyze innovative and original thinking in the students in order to frame their success journey. Continuous evaluation, maintaining world-class standards and alterations are pursued after regular intervals in the curriculum to go hand in hand with the needs of the industry.

Care is taken to inculcate the principles of excellence, leadership, optimism and values in students' life through education empowered with knowledge and vision. The institute has a well-organized library, laboratories and spacious class rooms.

Director's Desk



Dear All,

Greetings from the Director’s Office!

I am pleased to know that Department of Mechanical Engineering has published the Newsletter 2025-26 (ODD Sem).

I congratulate them for the efforts taken to exhibit the activities/achievements carried out by the department towards excellence.

It is a document highlighting the efforts of the students as well as faculty. This newsletter will help them in continuing their activities/efforts in achieving the milestones set by them in the coming time.

Dr. Achal Shahare

Director,

GHRCEM, Nagpur

About the Department

- The most diverse of the engineering fields, Mechanical Engineering influences almost all facets of our life and involves several specializations. It lies at the crossroads of all the engineering disciplines. Mechanical Engineering deals with a wide variety of scientific and technological challenges, in the field of design, manufacturing, power generation, control and automation, computer simulation, environment protection, building services, aerospace and many more.
- Mechanical Engineering Department of GHRCEM not only harvests scholars to design machines that are safe, reliable, and efficient, but also make aware of latest manufacturing technology to manufacture products. The department has well equipped laboratories and workshop facilities with modern sophisticated equipment. The state-of-art is learned to create skilled personal using latest machineries like 3D Printing, CNC, Robotics & High-end Software's. Objective of the undergraduate program is to prepare the manpower that is globally best. The department seeks an opportunity to play a major role in producing employable engineers. We strive to ensure that all our undergraduate students have a strong education with teaming and leadership skills, involvement in student activities, and the practical background and internship experience. We believe that emphasizing these areas will make our students well qualified to take leadership roles in the future.

HOD's Desk



It’s a matter of great satisfaction to bring forth the newsletter of the Mechanical Engineering Department for the session 2025-26 (ODD Sem). The purpose of the newsletter is to make everyone aware with the activities carried out throughout the semester and to acquaint all with the achievements of the students and faculty.

This is our small venture and I believe this will help us in identifying the areas which we need to improve. It will help us in providing proper guidance to our budding engineers.

I appreciate the efforts put forth by the editorial board to bring out this Newsletter.

Dr. Tejpal C Parshiwanikar

HOD,

GHRCEM, Nagpur

Advisory Board

Dr. Achal Shahare
Director, GHRCEM, Nagpur

Dr. Tejpal C Parshiwanikar
HoD ME Dept, GHRCEM, Nagpur

Dr. Nilesh C Kanojiya
Academic In-charge, ME Dept.,
GHRCEM, Nagpur

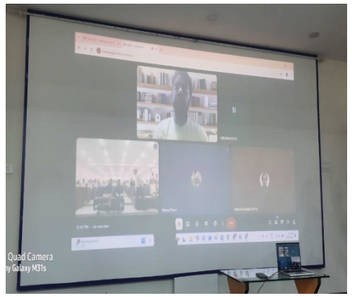
Editorial Board

Dr. Nilesh Kanojiya
Mr. Swapnil Nishane

Rachit Thulkar , 7th sem
Ojas Bode, 7th sem
Himanshu Rathi, 5th sem

Major Events / Dept. Activities

Expert Lectures






Expert Lecture on the topic “Advances in Grinding Operations: From Fundamentals to Smart Manufacturing” for the B. Tech. 3rd, 5th and 7th Semester students on 29th September 2025 (Online) by Dr. Yogesh Kumar Singla, Assistant Professor, Navajo Technical University, New Mexico, USA and Adjunct Research Associate, Harward University, USA.

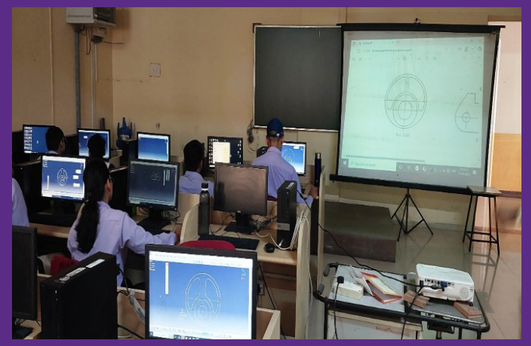
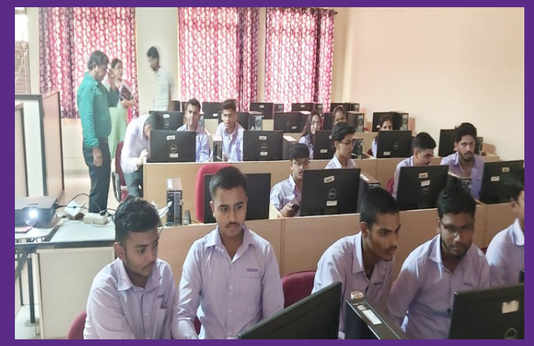
Value Added Course on “BS-6 Familiarization & Latest Automotive Innovations” Supported by Ashok Leyland, STC Workshop, MIDC Hingna, From 1st to 5th July 2025





Total 48 Students of B. Tech 5th semester of ME attended the course.

Value added course on “Hands on Practice on CAD Software” Supported by CADD Centre Nagpur, From 18th to 20th June 2025

Total 27 students of B. Tech 3rd Semester ME attended the course.

“Project Quality Assurance Initiative (PQAI)” For 7th semester students. Expert was Dr. Neeraj Suneriya, YCCE, Nagpur. Total 10 Groups (47 Students) has participated and presented their projects on 16th October 2025





Industrial Visit / Educational Tour



One Day Industrial Visit at “Ashok Leyland, Bhandara, Maharashtra", for the students of B. Tech. 5th semester on 9th September 2025 under the subject: Automobile Engineering



One Day Industrial Visit at “Lokmat Printing Press, Butibori, Nagpur", for the students of B. Tech. 3rd semester on 25th September 2025



One Day Industry Visit to “Mahanand Dairy, MIDC, Hingna, Nagpur”, for the students of B. Tech. 7th semester on 11th September 2025 under the subject: Refrigeration and Air Conditioning Systems

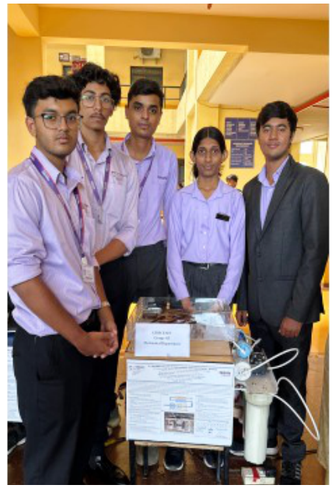


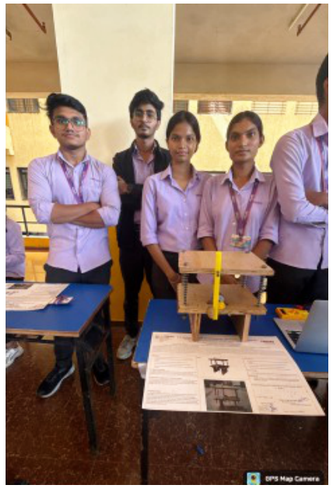
One Day Industry Visit to “Suguna Food Industry, Hinganghat, Maharashtra”, for the students of B. Tech. 3rd semester on 20th September 2025 under the subject: Machining Process

Minor Project
“Final Project Exhibition/Demonstration (Submission)” for 3rd Semester on 14th Oct. 2025. Under Course Category Community Engagement Project (CEP). Expert was Mr. Imranul Haque, Incharge, Indo-German Tool Room, Nagpur









Smart India Hackhothan-2025 Presentation by ME Students (Institute level) on 24th Sept 2025 Expert was Mr. S. Dutta, Incharge, Ashok Leyland W/S, Nagpur

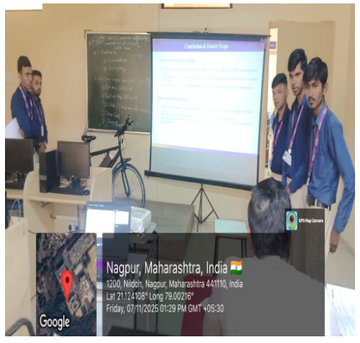




External Examination - Project Presentation/ Demonstration B. Tech 7th Semester on 07th Nov 2025







Alumni Interaction





Alumni Interaction with Mr. Anurag Walke (2023 B.Tech batch), Production Engineer, at Aerosys HVAC Hyderabad, Organized for UG 5th Semester Mechanical Engineering students on 2nd July 2025

Forum Activity

Installation Program of Mechanical Engineering Student Association (MESA) Forum Mr. Sachin Jain, Executive President, MIA, Hingna (Chief Guest), 29th August 2025







MESA Forum Organizes Poster Making Competition-2025 29th August 2025







MESA Forum Organizes Box Cricket Tournament 2025
9th September 2025







Music Club Program 2025-2026



At TEDX Program,
25th Sept 2025



At 1st Year, GHRCEMN
Induction Program,
29th Aug 2025



At NASA Space App.
Program,
04th Oct 2025

3 D Printing Club Program 2025-2026



Awareness Program on 3-D Printing
At 1st Year Skill Tech Induction Program



Awareness Program on 3-D Printing
At 1st Year GHRCEMN Induction Program

Extension Activity

Parent- Teacher Meet : On 27th Sept. 2025







Ganesh Utsav Celebration : 27th August 2025 to 6th Sep 2025




Farewell Program for Batch: 2021-2025, 16th June 2025





Faculty / Students Achievement

Faculty / Students Achievement during ODD Semester 2025-26

- **Copyright Submitted** – 05 (Submitted), 02 (Registered)
- **Journal Publication** – Under Review 01 (SCI), Published-02 (SCI)
  Faculty Involved – Dr. Nilesh C Kanojiya, Dr. Ritesh Sambare , Dr. Achal S Shahare, Dr. Jaygovind Verma and Mr. Pratik Dhage
- **Patent Submitted/ Granted/ Registered by faculty – 01 (Design- Registered); 02 (Utility-Submitted)**
  Faculty Involved – Dr. Tejpal Parshiwanikar, Dr. Nilesh C Kanojiya, Dr. Achal Shahare, Dr. Ritesh Sambare and Mr. Pratik Dhage
- **Reviewer Certificate – 06 research paper (Elsevier & Springer)**
  Faculty Involved – Dr. Nilesh C Kanojiya and Dr. Ritesh K Sambare
- **Coordinators:- Dr. Nilesh C Kanojiya and Mr. Pratik Dhage, Conducted Online Courses organized by IIRS-ISRO Outreach program at Institute level.**
- **Mr. Pratik Dhage invited as an expert under UHV subject** to deliver lecture for 1st year students at Govt. College of Engineering Nagpur, JD College Nagpur, Wainganga College Nagpur and GHRSTU, Nagpur.
- **BOS Committee Member (Other Institute):** KDKCE Nagpur, SB Jain Nagpur, JIT Nagpur.
  Faculty Involved – Dr. Tejpal Parshiwanikar and Dr. Ritesh K Sambare
- **Participated in 07 FDP (7 Staff),** Organized by AICTE, Govt. Institutes, Private Institutes etc.
- **40+ students has participated** in various events conducted by Government & Private Institutions.