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G H RAISONI INSTITUTE OF ENGINEERING AND TECHNOLOGY, NAGPUR

(Approved by AICTE, New Delhi and Recognized by DTE, Maharashtra)
An Autonomous Institute Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University
Accredited by NAAC with A+ Grade

Engineering | Management | Law | Schools | Other Courses

RAISONI GROUP OF INSTITUTIONS

NAGPUR ■ PUNE ■ JALGAON ■ AMRAVATI ■ CHHINDWARA

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Department of Mechanical Engineering



GEAR UP

NEWSLETTER

2022-23

Vol. XI, Issue II

GEAR UP
NEWSLETTER
2022-23

A SNEAK PEEK INSIDE THIS ISSUE

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Vision and Mission of Institute

Vision of the Institute

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 of the Institute

MI 1 : Our efforts are dedicated to impart quality and value based education to raise satisfaction level of all stakeholders.

MI 2 : Our strength is directed to create competent professionals.

MI 3 : Our endeavor is to provide all possible support to promote research and development activities.

Vision and Mission of Department

Vision of the Department

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 of the Department

MI 1 : To impart quality teaching–learning and assessment process that ensures attainment of program outcomes

MI 2 : To provide quality, innovative, and industry-relevant education that develops competent and professional mechanical engineers with strong fundamentals and problem-solving skills.

MI 3 : 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 Institute of Engineering & Technology, Nagpur (GHRIET) 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. GHRIETN has made its mark in the world of education by enlightening minds and empowering ambitions.
- GHRIET 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 student's life through education empowered with knowledge and vision. The institute has a well-organized library, laboratories and spacious class rooms.

Director's Desk



Dr. Vivek Kapur
Director, GHRIET Nagpur

Dear All,

Greetings from the Director's Office!

I am pleased to know that Mechanical Engineering Department has published the Newsletter Newsletter 2022-23 (EVEN 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.

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 GHRIET 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. 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



Mr. Tejpal C Parshiwanikar
HoD, ME, GHRIET Nagpur

It's a matter of great satisfaction to bring forth the newsletter of the Mechanical Engineering Department for the session 2022-23 (EVEN Sem). The purpose of the newsletter is to make everyone aware with the activities carried out throughout the year 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.

Advisory Board

Dr. Vivek Kapur
Director, GHRIET, Nagpur

Mr. Tejpal C Parshiwanikar
HoD, ME Dept, GHRIET, Nagpur

Mr. Nilesh C. Kanojiya
ME Dept. Academic Incharge,
GHRIET, Nagpur

Editorial Board

Mr. Ritesh Sambare
Anshul Shailesh Sarade (8th sem)
Anurag Walke (8th sem)
Krishna Kiritkumar Sedani (6th Sem)

Major Events / Dept. Activities

Recognition as Ph. D. Research Center

RTMNU has given approval to Department of Mechanical Engineering, GHRIET as "Place for Higher Learning & Research (Ph. D.)", from session 2023-24 vide letter no. RTMNU/CDS/2023/4359 dated 27th March 2023.

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

(Established by Government of Central Provinces Education Department by Notification No.513 dated the 1st August1923 & presently a State University governed by Maharashtra Public Universities Act, 2016(Mah. Act No.VI of 2017)

COLLEGE DEVELOPMENT SECTION

Jamnalal Bajaj Administrative Building, Mahatma Jotiba Phule Educational Campus, Campus to Ambazari T-Point Road Nagpur-440033
Phone No-0712-2522390, Fax No. 0712-2555701, Email ID : infoarcollege@gmail.com

No.RTMNU/CDS/2023/ 4359
Date : 27 /03/2023

To,

The Principal,
G. H. Raisoni Institute of Engineering Technology,
Shradha Park B- 37/39/1, MIDC,
Hingna- Wadi Link Road,
Nagpur-440016

Subject:- Your Application for Recognition as "Place for Higher Learning and Research".
Reference:- 1)Your Application dated 07/10/2020

Sir/Madam,

With reference to the above cited subject, this is to inform you that your application for Recognition as place for Higher Learning and Research has been processed, as per the provisions of Section 111(7) of Maharashtra Public Universities Act, 2016 and Direction 11 of 2023.

A committee constituted by the Board of Deans has verified the infrastructural facilities, academic, administrative and financial standards of your Institute.

The report, so submitted by the committee was considered and approved by the Board of Deans and thereafter by the Hon'ble Vice Chancellor.

Accordingly, **G.H. Raisoni Institute Of Engineering Technology, Shraddha Park B- 37/39/1, MIDC, Hingna- Wadi Link Road, Nagpur,** is being granted recognition as "Place for Higher Learning and Research" to the following Department.

Sr. No.	Name of the Department	Intake
1.	**Mechanical Engineering,**	As per Provision in clause 11 of Direction 11 of 2023
2.	**Civil Engineering**	
3.	**Electronics and Telecommunication Engineering**	

The "Recognition" so granted, shall be for a period of "Five Years" from the date of issuance of this communication.

You are also requested to submit six monthly progress report of your research centre to the undersigned.

(Dr. Raman Madne)
Deputy Registrar

Experts/ Guest Lecture





Expert lecture on the topic "Analytical Modeling of Vibration Analysis of Rectangular Plates" under the course "Dynamics of Machines" for B.Tech. 4th, 6th and 8h semester students on 13th March, 2023 by Dr. Prasad V. Joshi, Assistant Professor, IIIT Nagpur.



Seminar on "CAD/CAM Software's & its Industrial Importance" by Central Institute of Petrochemicals Engineering & Technology (CIPET), Chandrapur, Govt. of India at GHRIET, Nagpur on 06th Feb, 2023.



Guest Lecture on "Student membership in professional societies" by Dr. Ashish Raut from GHRCE, Nagpur.

Industrial Visit





Industrial Visit at “Ashok Leyland Ltd. Bhandara Manufacturing Plant", for the students of B. Tech. 6th semester of Mechanical Engineering in Collaboration with Ashok Leyland, STC Workshop, MIDC Hingna on 28th Feb. 2023.

Alumni Interaction





Alumni Interaction on “Opportunities in Mechanical Engineering” for B.E. 2nd year, 4th Semester students on 13th March, 2023 by Mr. Amit gajanan bopche, Jr. Consultant, Infosys, Delhi.

T & P Activities for Students



Training and placement orientations workshop for Students on April, 23rd, 2023



One day workshop on “Worldwide Prospects in Ginning Industries” organized at the Institution of Engineers (IEI) in association with Bajaj Steel Industry, Nagpur on April, 18th, 2023

Forum Activity

TECHKRUNCH - 2023



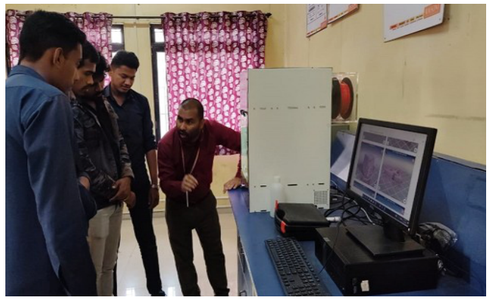


Organized “MECHTECHNOFEST” Under Techkrunch - 2023 Ashwamedh Project Competition, Paper Presentation, Design Making Competition, Aroham Quiz Competition and Best out of Waste Competition on 28-29th March 2023. Total 358 students were participated.

3 D Printing Club Activity









Skill Development programme on "3 D Printing" From 30th Jan 2023 to 08th Feb 2023, 24th May 2023 for B. Tech. students of all years and “Open Competition” on 28th to 29th March 2023

Extension Activity

Parents-teacher Meet :



HOD-Parents Interactions



HOD-Parents Interactions



2nd Year Parents Interaction



2nd Year DSY Parents Interaction



3rd Year Parents Interaction



4th Year Parents Interaction

Faculty / Students Achievement

- **Copyright Submitted** – 08
- **Publication – 06 (SCI), 3 (Scopus)**
  Mr. Nilesh C Kanojiya, Dr. Achal S Shahare, Dr. Ritesh K Sambare, Published 02 (SCI) Papers in "Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, (T&F, SCI Journal) April 23.
  Dr. Ritesh Sambare Published 4 SCI papers like, at the journal of Process Safety and Environmental Protection etc.
- Mr. Ritesh K Sambare Awarded Ph.D from NIT Raipur and Published 04 SCI Papers.
- Mr. Pratik Dhage, Completed Certificate Course of UHV from AICTE and Received letter of Appreciation from NPTEL.
- Attended 08 FDP/STTP, 3 Workshop, 02 Conference, 01 NPTEL certificate completed, Organized by AICTE, NAAC, NIT, Govt. Institutes, private institutes etc.
- 90 + students has participated in various events conducted by government & private institutions.
- Samyak Raisoni, Pushkar Madamwar, Sachin Ballewar, Shubhayu Sarve (8th sem.) Received best project award of cash prize Rs. 1000 /- in Techkrunch 2023
- Saurabh Diwe (8th sem.) won paper presentation award & cash prize Rs. 1000 /- in Techkrunch 2023
- Prathmesh kuthemathe (4th sem.) won 2nd prize on design making competition in Techkrunch 2023



