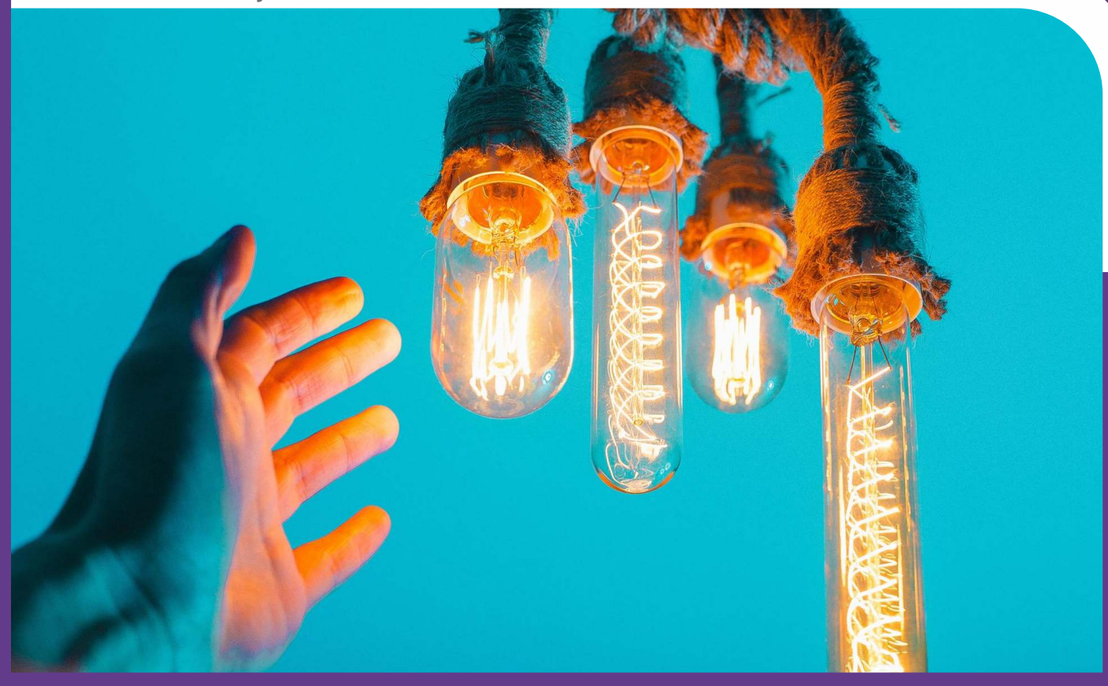
GH raisoni COLLEGE | Engineering and Management Nagpur

(An Autonomous Institute Affiliated to
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)
Accredited by NAAC with "A+" Grade

(Formerly known as G H Raisoni Institute of Engineering & Technology, Nagpur)

Department of Electrical Engineering

Accredited by NBA



Presents

TECHNOVATION

2024-25

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TECHNOVATION

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G H Raisoni College of Engineering and Management, Nagpur.

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Head of Department,

Electrical Engineering Department,

G H Raisoni College of Engineering and Management, Nagpur.

Coordinated By:

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Assistant Professor and Editor

Electrical Engineering Department

G H Raisoni College of Engineering and Management, Nagpur.

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VISION & MISSION OF THE INSTITUTE

VISION

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

MISSION

- Our efforts are dedicated to impart quality and value based education to raise satisfaction level of all stakeholders.
- Our Strength is directed to create competent professionals.
- Our endeavor is to provide all possible support to promote research & development

VISION & MISSION OF THE DEPARTMENT

VISION

To produce capable graduate engineers with an aptitude and quality for research and leadership.

MISSION

- To enhance career opportunities for the electrical Students through industrial exposure & promote interaction among industry, faculty and students.
- To inculcate sensitivity toward society and a responsibility towards environment.
- To achieve excellence in learning and research through continual improvement in both content and delivery of the academic programs.
- To provide opportunities and ensure regular Skill Up gradation of faculty, staff and students through training programs.

ABOUT ELECTRICAL ENGINEERING DEPARTMENT

The objective of the Department is to impart Quality Education and Competitive Training that can make students as Professional Engineers who are ready to meet the needs of the industry as well as society and adapt to the rapidly changing technology in various areas of Electrical Engineering.

The Department has well-qualified and experienced faculty members with specialization in Electrical Machines & Drives, Power Electronics, Power System, Control Systems, and Renewable Energy. The Department has dedicated laboratories for academic and research activities. It provides the students with in-depth knowledge in fundamentals and practical applications in Electrical Engineering so that they can pursue their career opportunities.

The Department conducts various Skill Training programs, Workshops, Seminars, and Conferences and also invites renowned academicians from IITs, NITs, IISC & industrial experts to share their knowledge with the Students and Faculty for updating with the latest developments in Electrical Engineering. Department also encourages students to participate in State and National Level project competitions like TECHFEST, DIPEX, etc.

CHAIRMAN'S MESSAGE



Shri. Sunil Raisoni
Chairman, RGI

Innovation is the key to the progress in the modern world. In our pursuit of excellence. We are constantly striving to upgrade newer areas of education to make our programs. More relevant to the students, firms and stakeholders. Our prime aim is to enhance. The employability of students. We endeavor is to provide a rewarding experience for the students so that they can meet the challenges and demands of the corporate world and society through successful careers. As we have embarked on our journey.

We seek the active association of the corporate world to partner with us for the various opportunities. Our dream is that GHRAET should play a definitive role in shaping the careers of tomorrow's leaders and develop individuals who can impact global development. We wish to provide to the nation good quality trained human resources having inquisitive minds and persistence to change their own and organization's lives and contribute for Nation building. We wish a successful career to our graduates.

DIRECTOR'S MESSAGE



Dr. Vivek Kapur
Director, GHRCEM, Nagpur

G H Raisoni College of Engineering and Management, Nagpur strives to provide a learning environment and best-in-the-class resources to create the finest Engineers. The world of innovation and technology is rapidly altering. Thus, it is the need of the industry that the educational institutes continue to update and upgrade. This is exactly what is pursued at our college. In order to embark on the journey of success preparation, foresight and strategies are required. The GHRIET will always be the establishment of edification, innovation and promising knowledge for our students. We have the state of art infrastructure. It, mingled with the highly qualified experienced teachers, well planned curriculum, Outcome Based Education and excellent facilities has made sure to aid students in becoming knowledgeable and skilful Engineers in the past and for the future to come.

HOD'S MESSAGE



Dr. Bhupendra Kumar
Head of Department, Electrical Engg.

With immense pleasure, I invite you to read and flip through the Edition 2023 of "TECHNOVATION", the Department Magazine of Electrical Engineering Department of G H Raisoni College of Engineering and Management, Nagpur. With this edition it feels like the department magazine has finally found its niche within and beyond the department's community. It shall add value to the readers mind, it will provide with the right insights to the student's and faculties academic and career ease. The purpose of this magazine is to enlighten, engage, inspire, and entertain a wide range of readers, including alumni, parents, students, teachers, staff, and other college friends, by presenting engaging tales that provide a compelling, relevant, and honest image of the department and its kinship. Each issue of "TECHNOVATION" is a milestone that marks our growth, unfolds our imagination, and gives life to our thoughts and aspirations I congratulate the entire "TECHNOVATION" Team on their devotion and hard work in bringing this editions to life.

EDITORIAL'S MESSAGE



Mr. Pawan Kamdi
Assistant Professor & Editor
TECHNOVATION Magazine

It is with immense pleasure that I introduce the latest edition of [Magazine Name], a testament to the vibrant creativity and talent within our college community. This magazine serves as a platform for students to express their ideas, showcase their skills, and connect with their peers. I commend the editorial team and all contributors for their hard work in bringing this edition to life.

Through [Magazine Name], we aim to foster a culture of learning, innovation, and collaboration. It is a space where students can explore diverse perspectives, share their unique voices, and contribute to a rich tapestry of experiences. I encourage all students to engage with the magazine, whether by contributing articles, sharing their feedback, or simply enjoying the content.

As we move forward, let us continue to nurture and celebrate the talent within our institution. I am confident that [Magazine Name] will continue to be a source of inspiration and a valuable resource for our college community

Student Coordinator



Mr. Shvam Masram
VIII Sem Electrical

PROFILE OF THE DEPARTMENT

Year of Establishment: 2009

Degree	Program	Sanction Intake	Year of Start
Bacher of Engineering (B.E.)	EE	60	2009

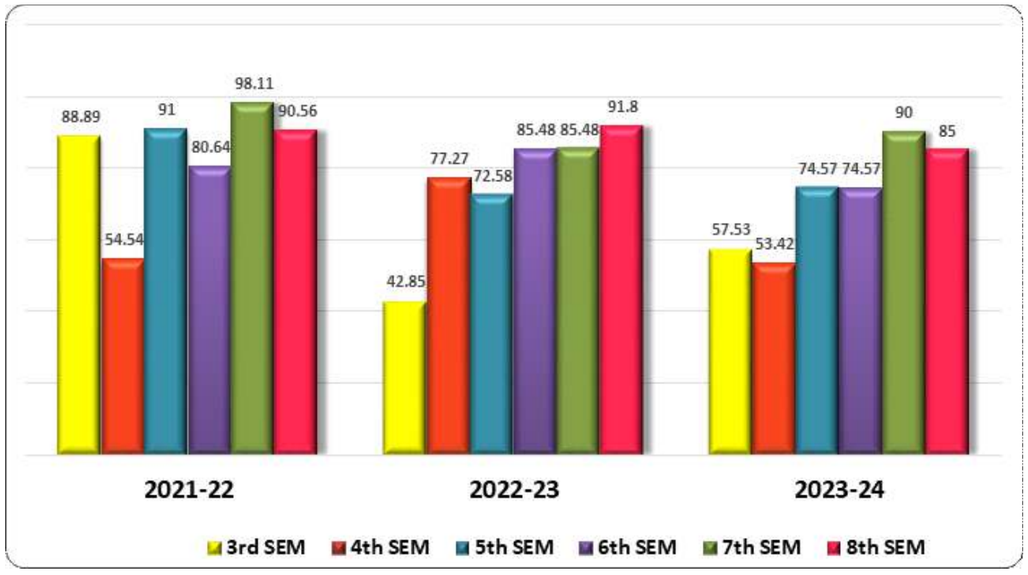
Present Strength of Student (2024- 25)

Degree	Girls	Boy	Total
Bacher of Technology (B.Tech)	54	136	190

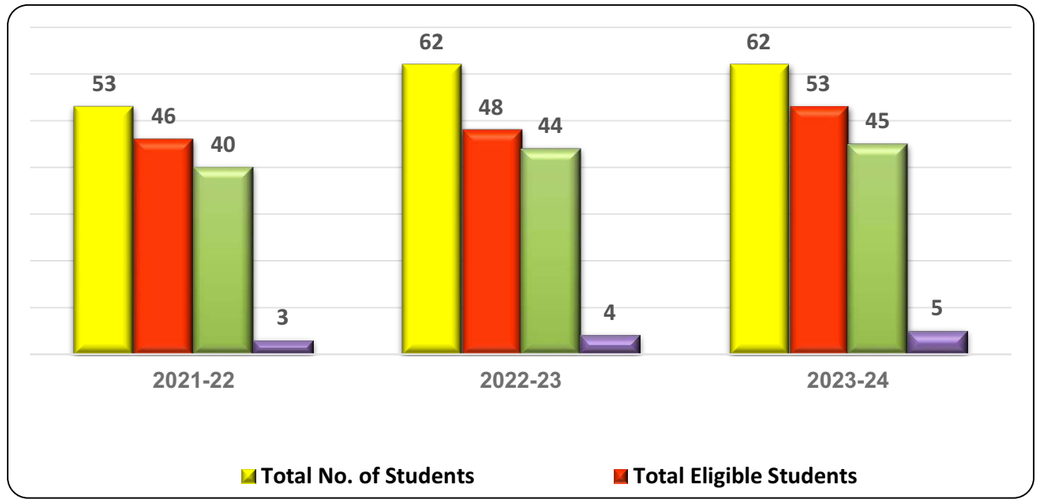
Present Strength of Staff (2024-25)

Teaching		Non-Teaching	
Male	Female	Male	Female
09	01	06	01

RESULT STATISTICS



PLACEMENT & HIGHER STUDIES STATISTICS



DEPARTMENTAL ACTIVITIES

Induction Program for 2nd year Students

Department of Electrical Engineering has organized an Induction Program on 28/06/2024 for 2nd year students of Electrical Engineering Department, G H Raisoni College of Engineering and Management, Nagpur, The objectives of this event was To help the students to feel comfortable in the new environment and adjust to the customs and practices of the department, also to enable the students to become familiar with the amenities and physical resources of the department.





The program started with the introductory speech by Head of Electrical Engineering Department Dr. Bhupendra Kumar, in his talk he inform students about vision and mission of institute as well as vision and mission of department, importance of NBA Accredited department. He also discuss about various facilities and schemes for students such as honors scheme, minor scheme, Grade improvement scheme. He concluded his speech by motivating students to participate actively in curricular as well as extra-curricular activities conducted by department for their overall development. After that Mr. Yogesh Ikhe, Class teacher of 2nd year inform students about different students club available in the department and given an overview of various activities conducted previously under students club. Program concluded with questions and answer session. All the faculties of electrical engineering department were present for this program. We hereby extend our gratefulness to Dr. Vivek Kapur, Director, GHRCEM and Dr. Bhupendra Kumar, HoD EE for their continuous guidance and support, we extend our heartfelt gratitude towards all teaching faculties, supporting staff to make this event grand success.

Guest Lecture on "Interview Skills & Resume Building"

Guest lecture on “Interview Skills & Resume Building” ”was organised by Electrical Engineering Department on dated 09.07.2024 for the students of 7th Semester of Electrical Engineering Department. Program started with the introduction by Mr.Kiran Raut, Assitant professor of Electrical Engineering Department. Ms. Sneha Taori has given breif information about interview skill. She has given basic information of various type of interview conducted during placement. She has given details information 5 steps for interview getting job in market. Lastly she has discussed various examples of how to give interview and how to used your gesture and posture during the interview. At the end of the session doubt session was conducted. Mr.Kiran Raut has given vote of thanks.

All the faculties have attended the expert Lecture. Students appreciated the expert Lecture conducted by Department of Electrical Engineering. We hereby extend our gratefulness to Dr. Vivek Kapur, Director, GHRIET and Dr. Bhupendra Kumar, HOD for permitting us to organize this expert lecture and their support.





Industrial visit to Koradi Thermal Power Station

Department of Electrical Engineering, G H Raisoni College of Engineering and Management, Nagpur has organized visit to Koradi Thermal Power Station 3x600 MW, Nagpur on 19th July. 2024. 45 Students from final year, Mr. Chetan Kidile and Mr. Sachin Karare has attended this visit.

Objective of this visit is, to aware the Undergraduate students about operation of thermal power station and to see how actually high pressure steam is generated in boiler and with the help of which turbine and generator run to generate electricity. At the beginning, student was divided in to

4 batches and 1 faculty to each batch is allocated. Each batch visited boiler section where they observe coal mill, PA fan, ID fan, FD fan, EPS, fire ball. After that they visit turbine and generator section where they observe HP turbine, LP turbine and generator. Also, students got the experience how power station is operated and working condition in power plant. Authorities of KTPS, Koradi has fully co-operated for the successful conduction of this Visit. We are thankful to Mr. Vishal Ambagade, for his cooperation towards the successful execution of this visit. This activity is coordinated by Mr. Avinash Welankiwar, Mr. Sachin Karare and Mr. Chetan Kidile under the guidance of Dr. Bhupendra Kumar, Head of Electrical Engineering Dept. and Dr.Vivek Kapur, Director, GHRCEM.





Skill Training Programme on Thermal Power Plant Familiarization

Department of Electrical Engineering, G H Raisoni College of Engineering And Management, Nagpur has organized 05 Days Skill Training Programme for the students of 7th Semester Electrical Engineering & Mechanical Engineering on "Thermal Power Plant Familiarization" from 02nd July to 06th July 2024.





Objective of this Skill Training Programme is to aware the students of 7th semester to thermal power plant & learn about how the power is generated in the power plant & its application. Mr Vikrant Sinha, Ex-Director, National Power Training Institute, Nagpur has delivered different sessions in this Skill Training Programme.

Mr.Vikrant Sinha conducted the different sessions on Coal Handling Plant, Ash Handling Plant, Water Treatment Plant, Boiler, Supercritical Boiler, Different types of Turbine, Generator, Operation of Economiser, Airprehater, Super heater etc. Total number of 96 student attended the skill training programme on Thermal Power Plant Familiarization.

This activity is coordinated by Mr. Chetan H. Kidile under the guidance of Dr. Bhupendra Kumar, Head of Electrical Engineering Department and Dr. Vivek Kapur, Director, G H Raisoni College of Engineering And Management, Nagpur.

A Skill Training Programme on "Industrial Automation with Practical Session on PLC & SCADA"

Department of Electrical Engineering, G H Raisoni College of Engineering And Management, Nagpur has organized 1 Week Skill Training Programme for the students of 3rd Semester Electrical Engineering on “Industrial Automation with Practical Session on PLC & SCADA” by Maximum Solutions, Nagpur from 29th July 2024 to 02nd August 2024.

Objective of this 1 Week Skill Training Programme is to aware the students of 3rd semester about PLC (Programmable Logic Controller) and SCADA (Supervisory Control and Data Acquisition) systems are essential components of modern industrial automation. They play a crucial role in controlling, monitoring, and optimizing various processes in industries such as manufacturing, energy, and water management.

Mr. Dinesh Nimbalkar, Director, Maximum Solutions, Nagpur conducted the different sessions on Industrial panel Wiring, Starters, Contactors, PLC, Input & Output devices, Ladder Logic, NO & NC Contact, Practical Sessions with PLC Programming, PLC Timer, Ladder Logic, SCADA System, Programming Real time Trends etc. Total number of 50 student attended the 1 Week skill training programme on “Industrial Automation with Practical Session on PLC & SCADA” by Maximum Solutions, Nagpur.

This activity is coordinated by Mr. Chetan H. Kidile, Assistant Professor, and Electrical Engineering Department under the guidance of Dr. Bhupendra Kumar, Head of Electrical Engineering Department and Dr. Vivek Kapur, Director, G H Raisoni College of Engineering And Management, Nagpur.











Report on "Flashover 2K24 Installation and Clubs Inaugration Program"

Dept. of Electrical Engineering, G H Raisoni Institute of Engineering & Technology, Nagpur has organized “Flashover Forum Installation and inauguration of Renewable club, Drama Club, Energy Literacy Club and IEI Student Chapter” on 27th Aug. 2024. This program is conducted at polytechnic Auditorium, Block A. Total 140 Students from 3rd, 5th & 7th semesters have attended this program. Program is commenced with Saraswati Vandana and deep prajwalan by Mr. Pranav Mehar, Guest of Honor & Training Head, Central India Region, Prolific Systems and Technologies Pvt.Ltd., Nagpur, Dr.Vivek Kapur, Director and Dr. Bhupendra Kumar, HOD EE, Mr.A.S.Welankiwar, Faculty Coordinator and Forum President Mr.Sarthak Thakre and Vice Precident, Mr.Pratik Girhale. Inaugral welcome dance is presented by Ms. Mrunal Barhate, 3rd Sem EE.

In addressing, Mr. Pranav Mehar, Guest of Honor has interacted & enlightened the students about student's development with













needs of skillsets in industry. Dr.Vivek Kapur, Director, shared his experiences and dedication of institute towards overall development of students. Dr. Bhupendra Kumar and Mr. Avinash Welankiwar in their addressing, given best wishes to the Forum Committee members and enlightened students about the idea of Forum and work coordination. After that, Batch distribution ceremony for committee members and Felicitation of session 2023-24 toppers was carried out by the hands of dignitaries. A skit on college life and education was conducted by Drama Club. After that various singing, dance and fun activities were conducted by students. At the end of program, Mr. Sarthak Thakre presented vote of thanks.

Report on Parent's Teacher Meet

The Parents -Teacher Meeting was organized by Electrical Engineering department for 3rd, 5th and 7th semester students on 31/08/2024. The Parent - Teacher Meeting is the great opportunity for the parents and teacher to develop a healthy and strong relationship for the holistic development of student. The Parents are invited to know their ward's progress in academics as well as in other co-curricular activities.

Head of department and all faculties along with the 3rd, 5th and 7th semester students and parents of 13 students were present for PTM. The different parameter has been discussed with the parents such as Student's CAE-I result, their monthly attendance, Teacher-Guardian records, Detention criteria etc. The different queries of parents and students were also discussed and solved by the concerned subject-teachers. Parents were also asked for any other suggestions for the improvement of their ward's performance. All the faculty members of the department have taken the efforts for smooth conduction of Parent-Teacher Meet. This program was conducted under the guidance of Dr.Vivek Kapur, Director, GHRCEM and Dr.Bhupendra Kumar HoD Electrical Engineering Department.







Expert Lecture on "Union Public Service Commission Exam Success: Insight & Advice"

G H Raisoni College of Engineering And Management, Nagpur has organized Expert Lecture for the students of Seventh Semester, Electrical Engineering Department, on “Union Public Service Commission (UPSC) Exam Success: Insight

& Advice" by Dr. D. P. Agrawal, Former Chairman of Union Public Service Commission (UPSC) on dated 02nd September 2024 at Polytechnic Auditorium Hall, Block A, 2nd Floor, GHRCEM Nagpur.

Objective of this Expert Lecture is to aware the students of 7th semester about preparation of UPSC Exam as the UPSC Exam is one of the most competitive exams in India. It is the gateway to a career in the Indian Administrative Service, the Indian Foreign Service, and other prestigious civil services. It is a long and challenging journey, but it is possible to succeed if they are willing to put in the hard work and dedication.

Dr.D. P. Agrawal, Former Chairman of Union Public Service Commission (UPSC) gives the brief introduction on Preparing for the UPSC Civil Services Exam can be a daunting task, but with the right approach, dedication, and strategic planning, it is possible to achieve your goal of becoming a civil servant.

UPSC preparation involves forming a well-structured study plan, consistent effort, and a focused approach to succeed in the highly competitive Civil Services Examination. This activity is coordinated by Mr. Chetan H. Kidile, Assistant Professor, Electrical Engineering Department under the guidance of Dr. Bhupendra Kumar, Head of Electrical Engineering Department and Dr.Vivek Kapur, Director, G. H. Raisoni College of Engineering And Management, Nagpur.










Industrial Visit to HVDC Substation Chandpur

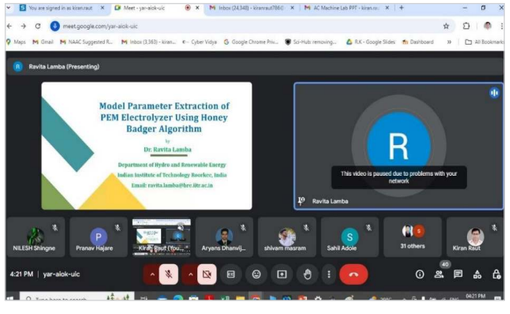
Department of Electrical Engineering, G H Raisoni College of Engineering and Management, Nagpur has organized industrial visit to 500 KV HVDC Substation Chandrapur on 14th Sept. 2024. 43 Students from final year, Mr. Chetan Kidile and Mr. Sachin Karare has attended this visit.

The primary objective of the visit was to gain practical insights into HVDC technology, its applications, and operational procedures in the modern power grid. Upon arrival, we were greeted Mr. T Chandrashekhar, the Assistant Engineer, who provided an overview of the facility's operations. The substation is equipped with converter which convert AC power to DC power and vice versa. The group observed the converter stations, which play a crucial role in managing the voltage and current level. Step-up and step-down transformers that facilitate voltage adjustment, ensuring efficient energy transmission. The advanced monitoring and control systems were highlighted, showcasing how real-time data is utilized for optimal performance and maintenance. Authorities of HVDC substation chandrapur has fully co-operated for the successful conduction of this Visit. We are thankful to Mr. Rajesh Sadarang and Mr. T. Chandrashekar for his cooperation towards the successful execution of this visit. This activity is coordinated by Mr. Sachin Karare and Mr. Chetan Kidile under the guidance of Dr.Bhupendra Kumar, Head of Electrical Engineering Dept. and Dr.Vivek Kapur, Director, GHRCEM.



Report of Guest Lecture

Guest lecture on “Model Parameter Extraction of PEM Electrolyser Using Honey Badger Algorithm” was organised by Electrical Engineering Department on dated 25.09.2024 for the students of 7th semester of Electrical Engineering Department. Program started with the introduction by Mr.Kiran Raut, Assitant professor of Electrical Engineering Department. Dr.Ravita Lamba has given breif information about bacground of fuel cell. She has given basic information of various type of fuel cell used in electric vehicle. She has given details information Honey Badger Algorithm and mathematical modelling of fuel cell. Lastly she has discussed behaviour of Honey Badger Algorithm. At the end of the session doubt session was conducted. Mr.Kiran Raut has given vote of thanks. All the faculties have attended the expert Lecture. Students appreciated the expert Lecture conducted by Department of Electrical Engineering. We hereby extend our gratefulness to Dr. Vivek Kapur, Director, GHRCEMN and Dr.Bhupendra Kumar, HOD for permitting us to organise this expert lecture and their support.









Report of Guest Lecture

Guest lecture on “Industrial Application of Electrical Engineering” was organised by Electrical Engineering Department on dated 30-09-2024 for the students of 3rd & 7th smetser of Electrical Engineering Department. Program started with the introduction by Mr. Pawan Kamdi, Assitant professor of Electrical Engineering Department. Mr. Pravin Nagrale, Section Engineer, Nagpur Division, Central Railway, has given breif information uses of Electrical Engineering in industry. He has given the information regarding the changing trends of Electrical Engineering in industry, also given the latest trends which can be used in industry like wireless transmission, use of AI. Lastly Mr. Pravin Nagrale guides the student regarding the preparation of GATE exam and government exam. At the end of the session doubt session was conducted. Mr. Pawan Kamdi has given vote of thanks. All the faculties have attended the expert Lecture. Students appreciated the expert Lecture conducted by Department of Electrical Engineering. We hereby extend our gratefulness to Dr. Vivek Kapur, Director, GHRCEMN and Dr.Bhupendra Kumar, HOD for permitting us to organize this expert lecture and their support.










Expert Lecture on "Introduction to Semiconductors

Expert lecture on “Introduction to Semiconductors” is organised by GHRCEM, Nagpur on dated 13.01.2025 for 6th semester students. This session is conducted in offline mode in 101 Auditoruum at block B. Session was started with the felicitation and introduction of the expert. Mr. Shishir Bondre and Mr.Ravi Kumar in this lecture, presented the market scenario of semiconductor industry in India and focused on skill sets required for the quality placements of undergraduate students. Speakers also have highlighted semiconductor chips processing and manufacturing, ACIS design flow, Arteris IP customers and key growth areas. At the end of the session, doubt session was conducted. Mr. Avinash S.Welankwiar has given vote of thanks. Students appreciated the expert Lecture conducted. We hereby extend our gratefulness to Dr. Vivek Kapur, Director, GHRCEM and Dr. Bhupendra Kumar, HOD for permitting us to organise this expert lecture and their continuous support




Clash of Minds" Under Flashover Forum

Dept. of Electrical Engineering, G H Raisoni Institute of Engineering & Technology, Nagpur has organized "Clash of Minds" on 29th Jan.2025. This activity is conducted at B-101 Auditorium, Block B. Total 48 nos. of Students from various departments across the institute have participated in this activity. Program is commenced with formal inauguration and welcome addressing by Dr. Bhupendra Kumar, HOD, EE and Mr.A.S.Welankiwar, Faculty Coordinator, FLASHOVER Forum. In this activity various group discussions on the topics "Genz-Trouble maker or Change seeker, AI-Future or overhyped, Social Media-Knowledge hub or Confusion platform, Battle against society mentality-Revolution or Reform, Support-Blessing or Burden and Data Trading- Business necessity or Privacy violation" are carried out. Ms. Shruti Waikar, Student Counselor, RGI moderated the discussions. Each group consisted of 10 students. In first round, 05 discussions are carried out. In final round, 08 students have been shortlisted. 1st prize winner is Ms.Isha Khatri, 2nd year, Information Technology Department and 2nd prize winner is Ms.Sanjana Jenekar, 1st year, Master of Computer Application Department. This activity is executed under the guidance and continuous support of Dr.Bhupendra Kumar, HOD, EE and Dr.Vivek Kapur, Director, GHRCEM, Nagpur.






Industrial Visit at Dinshaw Ice Cream Factory

Department of Electrical Engineering in association with IEI student forum organized an industrial Visit to Dinshaw Ice Cream Factory on 30.01.2025 for students of 4th semester Electrical Engineering , G.H. Raisoni College of Engineering and Management, Nagpur, The objectives of this activity is to provide an opportunity for students to have understanding of the different stages of ice cream manufacturing, the importance of quality control, the role of specialized equipment, the variety of Flavors and textures achievable, the impact of market trends on product development, and the significance of hygiene and sanitation standards within food production

This Visit started with introduction of company given by HR of company Mr. Pratik Wasnik and then students were taken to raw material unloading point followed by Ingredient sourcing and preparation unit, Batch Mixing chamber, Pasteurization and homogenization process, Freezing Unit, Packaging and storage. During visit product manufacturing process was explain to students by the technicians of various unit. These industrial visits provide the students get a chance to engage in fun learning. The students get an opportunity to learn new things in industry. We hereby extend our gratefulness to Dr. Vivek Kapur, Director, GHRCEM,Nagpur and Dr. Bhupendra Kumar, HoD EE for their continuous guidance and support, we extend our heartfelt gratitude towards Dr.Praful Datey (T&P Department) for providing us an opportunity to visit.





Annual Gathering "ANTARAGINI-2K25"

According to stress managers, entertainment of any form is one of the best stress reliever. “Antaragini-2k25” acts as refresher for students. Students can learn how to manage events, explore ideas and handle stress, adversities and accordingly take prompt decisions for unforeseen contingencies. Soft skills are now a days required to face various challenges in the real world environment. To promote these abilities, faculties of GHRCEM, Nagpur along with students organize “Antaragini-2k25” an annual social gathering. “Antaragini-2k25” is to expose the hidden talent of the students and provide them a strong platform for cherishing humanity through social activities.

Department of Electrical Engineering & Department of Artificial Intelligence Engineering of G H Raisoni College of Engineering and Management, Nagpur has organized annual gathering “Antaragini-2k25” from 11th Feb to 15th Feb 2025. All the student from GHRCEM campus enjoy the “Antaragini-2k25” event from various branches & department. Students from Electrical Engineering Department has participate in various sport and cultural event to showcase their skill on institute level. The student of 4th & 6th Sem participated in “SUB-RANG”, that is group dance based on theme of “Maharashtra tradition” and become the runner-up for this event. Also Mr. Swapnil Chede student from 4th sem Electrical Engineering is runner-up in Chess Men's Competition. The “Antaragini-2k25” is coordinated by Dr. Bhupendra Kumar (HOD EE) & Dr. Smita Nirkhi (HOD AI) under the guidance of Dr. Vivek Kapur, Director, G H Raisoni College of Engineering and Management, Nagpur. On behalf of Electrical Engineering Department we thankful to Dr. Vivek Kapur, Director, G H Raisoni College of Engineering and Management to provide such a big platform for student to showcase their talent. Also thankful to teaching & non-teaching staff to directly or indirectly help to make this event grant





Industrial Visit to Koradi Thermal Power Station

Department of Electrical Engineering, G H Raisoni College of Engineering and Management, Nagpur has organized Industrial Visit to Koradi Thermal Power Station Koradi 3x600 MW, Nagpur on 24th February 2025. Total 54 students from Second Year, Electrical Engineering Department & Mr. Chetan Kidile, Mr. Yogesh Ikhe and Ms. Vaishali Girhe has attended this visit. Objective of this visit is, to aware the students of Second Year, Electrical Engineering Department, are to gain practical understanding of how a coal-based thermal power plant operates, learn about the complete coal-to-electricity generation process, observe the different components like boilers, turbines, generators, and associated systems, and to be exposed to the best practices employed in running a thermal power plant, including safety protocols and environmental considerations. Familiarize with the coal handling system, boiler operation, steam distribution, turbine mechanics, condenser, cooling tower, and ash handling systems. Students also relate theoretical knowledge of thermodynamics, fluid mechanics, and electrical engineering to real-world

applications in a power plant and gain insights into potential career paths within the power generation industry. This activity is coordinated by Mr. Chetan Kidile & Mr. Yogesh Ikhe under the guidance of Dr. Bhupendra Kumar, Head of Electrical Engineering Department and Dr. Vivek Kapur, Director, G. H. Raisoni College of Engineering and Management, Nagpur.







Guest lecture on “Electric Vehicle Batteries & their Testing”

A Guest Lecture on "Electric Vehicle Batteries and Their Testing" was organized by the Mechanical & Electrical Engineering Department on March 4, 2025, for the 4th and 6th-semester students. The program commenced with an introduction by Dr. Ritesh Sabhare, Assistant Professor, Mechanical Engineering Department. Dr. Ashwin Dhoble provided a brief overview of electric vehicle battery testing, covering various testing methods used in EV design and battery development. He elaborated on different standards applicable to two-wheelers, four-wheelers and heavy vehicles and introduced students to web resources used in EV design and standardization.

The session concluded with a Q&A session, followed by a vote of thanks delivered by Mr. Kiran Raut. All faculty members attended the expert lecture, and students highly appreciated the session conducted by the Department of Mechanical & Electrical Engineering. We extend our sincere gratitude to Dr. Vivek Kapur, Director, GHRCEMN, and Dr. Bhupendra Kumar, HOD, for their support and permission to organize this expert lecture.







S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR.
(An Autonomous Institute, Affiliated to RTMNU, Nagpur)
DEPARTMENT OF ELECTRICAL ENGINEERING
(NBA Accredited)
Vision: Transform knowledge seekers to globally competent professionals in Electrical Engineering

Date: 29/03/2025

Thanks letter

To,
Mr. Kiran Raut,
Asst. Professor,
GHRCE, Nagpur

On behalf of Electrical Engineering Department, We are thankful to you for delivering an expert lecture on **“Solar Installations & its Importance: A Sustainable Energy Future”**. Your presentation was admirable and was thoroughly enjoyed by everyone.

We appreciate sharing your time with us.

Sincerely,

Dr. Chandrakant Rathore
HoD, EE
SBJITMR, Nagpur

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR.
(An Autonomous Institute, Affiliated to RTMNU, Nagpur)
DEPARTMENT OF ELECTRICAL ENGINEERING
(NBA Accredited)
Vision: Transform knowledge seekers to globally competent professionals in Electrical Engineering

Date: 28/03/2025

Letter of Invitation

To,
Mr. Kiran Raut,
Asst. Professor,
GHRCE, Nagpur

On behalf of Electrical Engineering Department, S.B.J.I.T.M.R, I am very pleased to have the honour of inviting you as an expert person to our department for conducting a expert lecture on **“Solar Installations & its Importance: A Sustainable Energy Future”** which is scheduled **on 29/03/2024 at 03:30 PM onwards.**

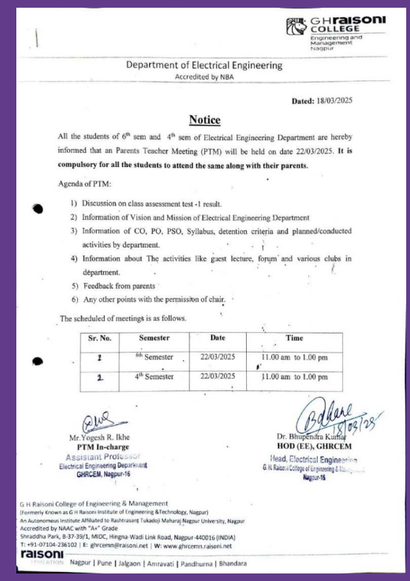
With your enriched knowledge we are confident that the students will definitely be benefited.

Awaiting to welcome you.

Sincerely yours,

Dr. Chandrakant Rathore
HoD, EE
SBJITMR, Nagpur

Parents Teacher Meeting



GH Raisoni College of Engineering
Department of Electrical Engineering
Accredited by NBA

Dated: 18/03/2025

Notice

All the students of 6th sem and 4th sem of Electrical Engineering Department are hereby informed that an Parents Teacher Meeting (PTM) will be held on date 22/03/2025. **It is compulsory for all the students to attend the same along with their parents.**

Agenda of PTM:

1) Discussion on class assessment test -1 result.
2) Information of Vision and Mission of Electrical Engineering Department
3) Information of CO, PO, PSO, Syllabus, detention criteria and planned/conducted activities by department.
4) Information about The activities like guest lecture, forum and various clubs in department.
5) Feedback from parents
6) Any other points with the permission of chair.

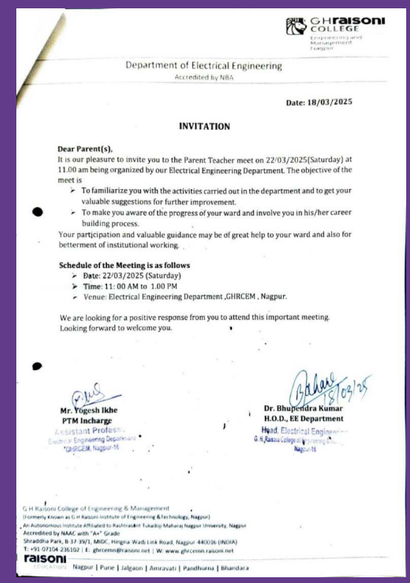
The scheduled of meetings is as follows.

Sr. No.	Semester	Date	Time
1.	6th Semester	22/03/2025	11.00 am to 1.00 pm
2.	4th Semester	22/03/2025	11.00 am to 1.00 pm

Mr. Yogesh R. Ikhe
PTM In-charge
Assistant Professor
Electrical Engineering Department
GHRCEM, Nagpur-16

Dr. Bhupendra Kumar
HOD (EE), GHRCEM
Head, Electrical Engineering
G. H. Raisoni College of Engineering & Management
Nagpur-16

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GH Raisoni College of Engineering
Department of Electrical Engineering
Accredited by NBA

Date: 18/03/2025

INVITATION

Dear Parent(s),
It is our pleasure to invite you to the Parent Teacher meet on 22/03/2025(Saturday) at 11.00 am being organized by our Electrical Engineering Department. The objective of the meet is

- To familiarize you with the activities carried out in the department and to get your valuable suggestions for further improvement.
- To make you aware of the progress of your ward and involve you in his/her career building process.

Your participation and valuable guidance may be of great help to your ward and also for betterment of institutional working.

Schedule of the Meeting is as follows

- **Date:** 22/03/2025 (Saturday)
- **Time:** 11: 00 AM to 1.00 PM
- Venue: Electrical Engineering Department ,GHRCEM , Nagpur.

We are looking for a positive response from you to attend this important meeting.
Looking forward to welcome you.

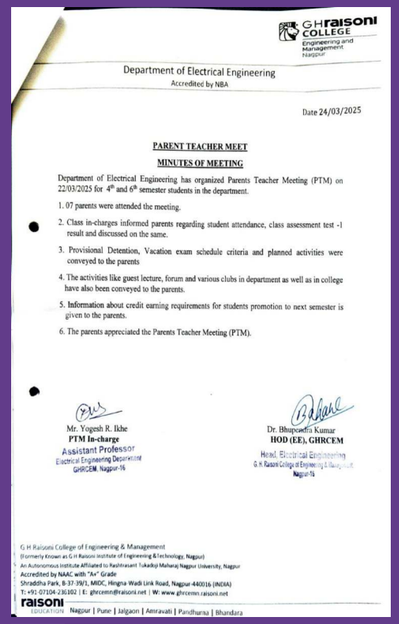
Mr. Yogesh Ikhe
PTM Incharge
Assistant Professor
Electrical Engineering Department
GHRCEM, Nagpur-16

Dr. Bhupendra Kumar
H.O.D., EE Department
Head, Electrical Engineering
G. H. Raisoni College of Engineering & Management
Nagpur-16

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Parents Teacher Meeting



Department of Electrical Engineering
Accredited by NBA

Date 24/03/2025

PARENT TEACHER MEET

MINUTES OF MEETING

Department of Electrical Engineering has organized Parents Teacher Meeting (PTM) on 22/03/2025 for 4th and 6th semester students in the department.

1. 07 parents were attended the meeting.
2. Class in-charges informed parents regarding student attendance, class assessment test -1 result and discussed on the same.
3. Provisional Detention, Vacation exam schedule criteria and planned activities were conveyed to the parents
4. The activities like guest lecture, forum and various clubs in department as well as in college have also been conveyed to the parents.
5. Information about credit earning requirements for students promotion to next semester is given to the parents.
6. The parents appreciated the Parents Teacher Meeting (PTM).

Mr. Yogesh R. Ikhe
PTM In-charge
Assistant Professor
Electrical Engineering Department
GHRCEM, Nagpur-16

Dr. Bhupendra Kumar
HOD (EE), GHRCEM
Head, Electrical Engineering
G H Raisoni College of Engineering & Management
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Department of Electrical Engineering
Accredited by NBA

Date 24/03/2025

Report on PARENT'S TEACHER MEET

The Parents –Teacher Meeting was organized by Electrical Engineering department for 4th and 6th semester students on 22/03/2025. The Parent –Teacher Meeting is the great opportunity for the parents and teacher to develop a healthy and strong relationship for the holistic development of student. The Parents are invited to know their ward's progress in academics as well as in other co-curricular activities.

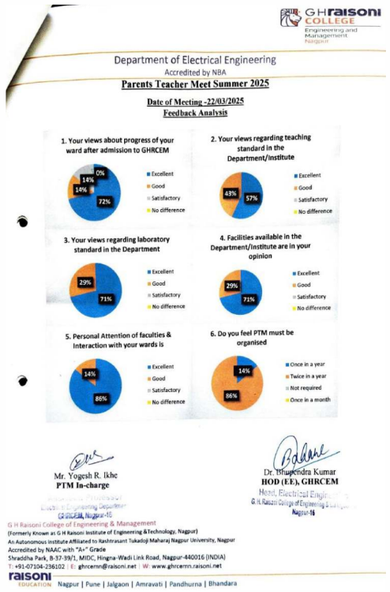
Head of department and all faculties along with the 4th and 6th semester students and parents of 07 students were present for PTM. The different parameter has been discussed with the parents such as Student's CAE-1 result, their monthly attendance, Teacher-Guardian records, Detention criteria etc The different queries of parents and students were also discussed and solved by the concerned subject-teachers. Parents were also asked for any other suggestions for the improvement of their ward's performance.

All the faculty members of the department have taken the efforts for smooth conduction of Parent-Teacher Meet. This program was conducted under the guidance of Dr.Vivek Kapur, Director, GHRCEM and Dr Bhupendra Kumar HoD Electrical Engineering Department.

Mr Yogesh R. Ikhe
PTM In-charge
Assistant Professor
Electrical Engineering Department
GHRCEM, Nagpur-16

Dr. Bhupendra kumar
HOD (EE), GHRCEM
Head, Electrical Engineering
G H Raisoni College of Engineering & Management
Nagpur-16

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Department of Electrical Engineering
Accredited by NBA

Parents Teacher Meet Summer 2025

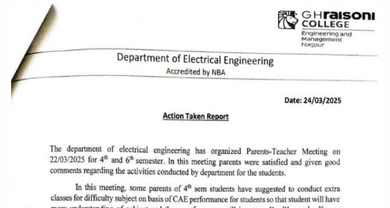
Date of Meeting -22/03/2025
Feedback Analysis

1. Your views about progress of your ward after admission to GHRCEM
2. Your views regarding teaching standard in the Department/institute
3. Your views regarding laboratory standard in the Department
4. Facilities available in the Department/institute are in your opinion
5. Personal Attention of faculties & Interaction with your wards is
6. Do you feel PTM must be organised

Mr. Yogesh R. Ikhe
PTM In-charge

Dr. Bhupendra Kumar
HOD (EE), GHRCEM

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Department of Electrical Engineering
Accredited by NBA

Date: 24/03/2025

Action Taken Report

The department of electrical engineering has organized Parents-Teacher Meeting on 22/03/2025 for 4th and 6th semester. In this meeting parents were satisfied and given good comments regarding the activities conducted by department for the students.

In this meeting, some parents of 4th sem students have suggested to conduct extra classes for difficulty subject on basis of CAE performance for students so that student will have more understanding of subject and there performance will improve, Dr. Bhupendra Kumar HOD of electrical engineering department conducted a meeting of faculties and instructed them to plan extra classes on every Saturday for difficult subject. According to instructions extra classes is scheduled on every Saturday till the end of academic session.

Mr. Yogesh Ikhe
PTM In-charge
Assistant Professor
Electrical Engineering Department
GHRCEM, Nagpur-16

Dr. Bhupendra Kumar
HOD (EE), GHRIET
Head, Electrical Engineering
G H Raisoni College of Engineering & Management
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Memorandum of Understanding



महाराष्ट्र MAHARASHTRA ◑ 2024 ◑ 24AB 425844

Sub Treasury Officer Hingna 29 JAN 2025 Sub Treasury Officer Hingna

MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN
G. H. Raisoni College of Engineering & Management, Nagpur
Department of Electrical Engineering
(Accredited by NBA)
&
Saurabh Engineering Services
House No 569/11, First Floor, Shrinivas Apartment, Mukundraj Lane, Ruikar Road Mahal Nagpur Pin Code 440032 Maharashtra, India

Director G H Raisoni College Engineering and Management Nagpur

this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by discussion. If the differences are unresolved after a reasonable period, the Parties shall proceed for arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at District Head Quarters of the First Party. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Courts of **Name of City: Nagpur.**

CLAUSE 6 NON-DISCLOSURE

6.1 It is expressly agreed by both Parties that they shall enter into a separate Non-Disclosure Agreement (NDA) primarily to ensure that any sensitive information related to projects, client data, etc. that is made available to the First Party as a result of the interactions and activities with the Second Party are not utilized in an undesirable manner.

AGREED:

For
G. H. Raisoni College of Engineering & Management, Nagpur
Authorized Signatory

For
Saurabh Engineering Services, Nagpur
Authorized Signatory

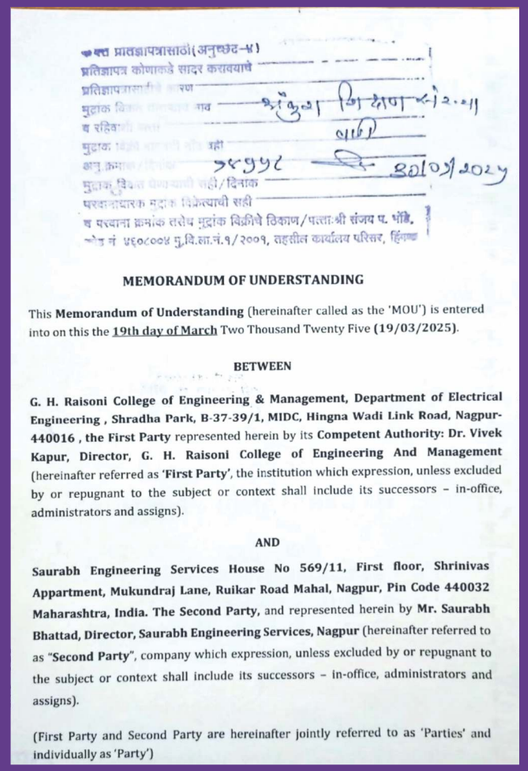
G. H. Raisoni College of Engineering & Management, Nagpur	Saurabh Engineering Services, Nagpur
Address: Shradha Park, B-37-39/1, MIDC, Hingna Wadi Link Road, Nagpur-440016	**Address:** Saurabh Engineering Services, House No 569/11, First floor, Shrinivas Appartment, Mukundraj Lane, Ruikar Road, Mahal, Nagpur, Pin Code 440032 Maharashtra, India.
Contact Details: 91-07104-236102	**Contact Details** +91 9763190151 91 8626032960
E-mails: principal.ghrietn@raisoni.net	**E-mails:** sesinfongp@gmail.com
Web: https:// ghrcemn@raisoni.net /	**Web:** https://www.saurabhengineering.com /

Witness 1:
Witness 2:

Witness 1:
Witness 2:







प्रतिज्ञापत्रासाठी(अनुच्छेद-४)

प्रतिज्ञापत्र कोणाकडे सादर करावयाचे

मुद्रांक विक्रेता गाव शेकुना दि.कोण.दि.२०११

व रहिवासी वाणी

मुद्रांक सही

अनु क्रमांक ३८९५८ दि- 20/03/2025

मुद्रांक विक्रेता सही/दिनांक

परवानाधारक मुद्रांक विक्रेत्याची सही

व परवाना क्रमांक तसेच मुद्रांक विक्रीचे ठिकाण/पत्ता-श्री संजय प. भोंडे, कोड नं. ५६०८००४ मु.वि.ना.नं.१/२००१, तहसील कार्यालय परिसर, हिंगणा

MEMORANDUM OF UNDERSTANDING

This **Memorandum of Understanding** (hereinafter called as the 'MOU') is entered into on this the **19th day of March** Two Thousand Twenty Five **(19/03/2025)**.

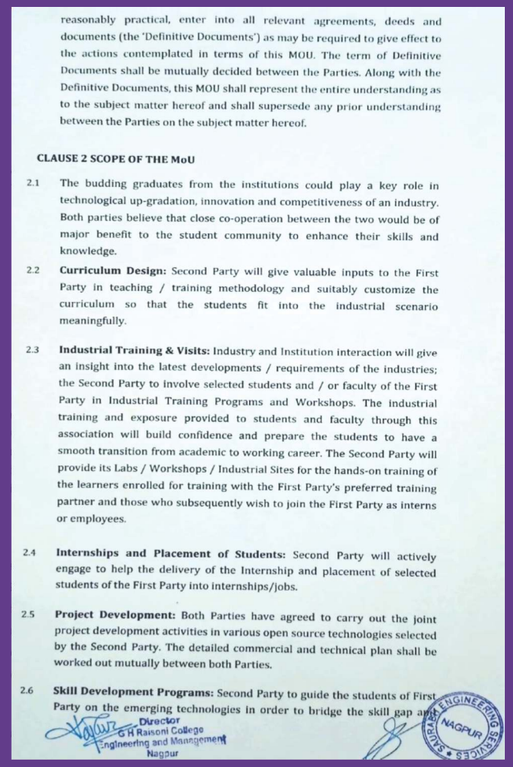
BETWEEN

G. H. Raisoni College of Engineering & Management, Department of Electrical Engineering , Shradha Park, B-37-39/1, MIDC, Hingna Wadi Link Road, Nagpur-440016 , the First Party represented herein by its **Competent Authority: Dr. Vivek Kapur, Director, G. H. Raisoni College of Engineering And Management** (hereinafter referred as **'First Party'**, the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AND

Saurabh Engineering Services House No 569/11, First floor, Shrinivas Appartment, Mukundraj Lane, Ruikar Road Mahal, Nagpur, Pin Code 440032 Maharashtra, India. The Second Party, and represented herein by **Mr. Saurabh Bhattad, Director, Saurabh Engineering Services, Nagpur** (hereinafter referred to as "**Second Party**", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')



reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

CLAUSE 2 SCOPE OF THE MoU

2.1 The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.

2.2 **Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.

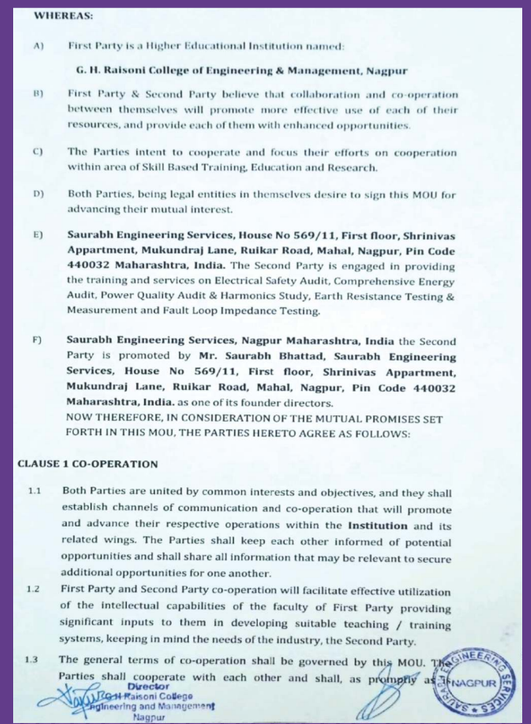
2.3 **Industrial Training & Visits:** Industry and Institution interaction will give an insight into the latest developments / requirements of the industries; the Second Party to involve selected students and / or faculty of the First Party in Industrial Training Programs and Workshops. The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Labs / Workshops / Industrial Sites for the hands-on training of the learners enrolled for training with the First Party's preferred training partner and those who subsequently wish to join the First Party as interns or employees.

2.4 **Internships and Placement of Students:** Second Party will actively engage to help the delivery of the Internship and placement of selected students of the First Party into internships/jobs.

2.5 **Project Development:** Both Parties have agreed to carry out the joint project development activities in various open source technologies selected by the Second Party. The detailed commercial and technical plan shall be worked out mutually between both Parties.

2.6 **Skill Development Programs:** Second Party to guide the students of First Party on the emerging technologies in order to bridge the skill gap and

Director
G H Raisoni College
Engineering and Management
Nagpur



WHEREAS:

A) First Party is a Higher Educational Institution named:

G. H. Raisoni College of Engineering & Management, Nagpur

B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.

D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.

E) **Saurabh Engineering Services, House No 569/11, First floor, Shrinivas Appartment, Mukundraj Lane, Ruikar Road, Mahal, Nagpur, Pin Code 440032 Maharashtra, India.** The Second Party is engaged in providing the training and services on Electrical Safety Audit, Comprehensive Energy Audit, Power Quality Audit & Harmonics Study, Earth Resistance Testing & Measurement and Fault Loop Impedance Testing.

F) **Saurabh Engineering Services, Nagpur Maharashtra, India** the Second Party is promoted by **Mr. Saurabh Bhattad, Saurabh Engineering Services, House No 569/11, First floor, Shrinivas Appartment, Mukundraj Lane, Ruikar Road, Mahal, Nagpur, Pin Code 440032 Maharashtra, India.** as one of its founder directors.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

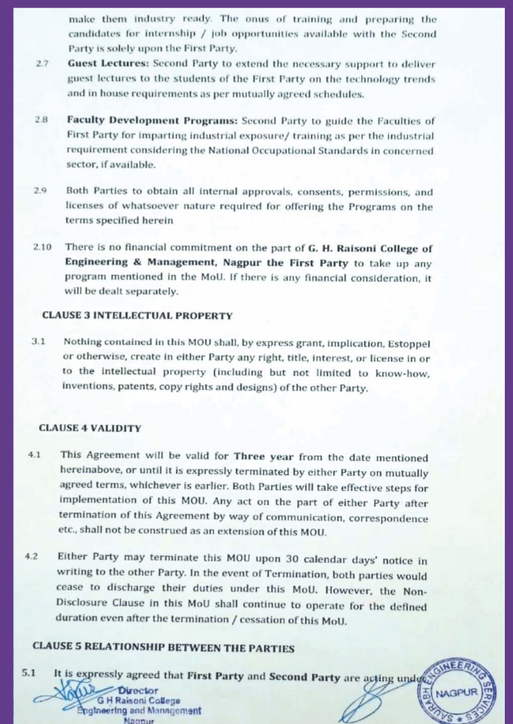
CLAUSE 1 CO-OPERATION

1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.

1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Second Party.

1.3 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is

Director
G H Raisoni College
Engineering and Management
Nagpur



make them industry ready. The onus of training and preparing the candidates for internship / job opportunities available with the Second Party is solely upon the First Party.

2.7 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements as per mutually agreed schedules.

2.8 **Faculty Development Programs:** Second Party to guide the Faculties of First Party for imparting industrial exposure/ training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.

2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein

2.10 There is no financial commitment on the part of **G. H. Raisoni College of Engineering & Management, Nagpur the First Party** to take up any program mentioned in the MoU. If there is any financial consideration, it will be dealt separately.

CLAUSE 3 INTELLECTUAL PROPERTY

3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

CLAUSE 4 VALIDITY

4.1 This Agreement will be valid for **Three year** from the date mentioned hereinabove, or until it is expressly terminated by either Party on mutually agreed terms, whichever is earlier. Both Parties will take effective steps for implementation of this MOU. Any act on the part of either Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU.

4.2 Either Party may terminate this MOU upon 30 calendar days' notice in writing to the other Party. In the event of Termination, both parties would cease to discharge their duties under this MoU. However, the Non-Disclosure Clause in this MoU shall continue to operate for the defined duration even after the termination / cessation of this MoU.

CLAUSE 5 RELATIONSHIP BETWEEN THE PARTIES

5.1 It is expressly agreed that **First Party** and **Second Party** are acting under

Director
G H Raisoni College
Engineering and Management
Nagpur

Placement



Sanket Sanjiv Khobragade
Academore
6 LPA



Sarthak Sanjay Thakre
Torrent Power Ltd
4.5 LPA



Rushikesh Ramdut Nikhar
Bacs Energy Pvt Ltd
3.6 LPA



Dinesh Bhaskar Shende
BACS Energy Pvt Ltd
3.6 LPA



Harsh Jitendra Hedau
BACS Energy Pvt Ltd
3.6 LPA



Nikhil Milind Damale
BACS Energy Pvt Ltd
3.6 LPA



Pranay Vijay Karkade
BACS Energy Pvt Ltd
3.6 LPA



Vedant Vijaykumar Pahade
BACS Energy Pvt Ltd
3.6 LPA



Sameer Sanjay Bokde
BACS Energy Pvt Ltd
3.6 LPA



Aniket Shailesh Indurkar
Lloyds Infrastructure & Construction Ltd
3.4 LPA

Student Placement List with Company Name

Sr. No	Name Of Student	Name Of The Employer	Pay Package At Appointment(LPA)
1	Harsh Jitendra Hedau	High-Technext Engineering & Telecom Pvt. Ltd	INR 264000 - 360000
2	Nikhil Milind Damale	High-Technext Engineering & Telecom Pvt. Ltd	INR 264000 - 360000
3	Pranay Vijay Karkade	High-Technext Engineering & Telecom Pvt. Ltd	INR 264000 - 360000
4	Rushikesh Ramdut Nikhar	High-Technext Engineering & Telecom Pvt. Ltd	INR 264000 - 360000
5	Sameer Sanjay Bokde	High-Technext Engineering & Telecom Pvt. Ltd	INR 264000 - 360000
6	Sanket Sanjiv Khobragade	High-Technext Engineering & Telecom Pvt. Ltd	INR 264000 - 360000
		Academore	INR 400000 - 600000
7	Vedant Vijaykumar Pahade	BACS Energy Pvt Ltd	INR 240000 - 360000
8	Dinesh Bhaskar Shende	BACS Energy Pvt Ltd	INR 240000 - 360000
9	Aniket Shailesh Indurkar	Lloyds Infrastructure And Construction Ltd	3.04 LPA
10	Sarthak Sanjay Thakre	Torrent Power Ltd	INR 450000

Student's Participation and Achievements

Sr. No.	Name of students	Sem	Name of Activity	Participation/ Prize	Name of Institution	Date of Event
1	Yash Tembhurne	Seventh	(Antaragni-25) Electric Blueprint	Winner	GHRCEM, Nagpur	16 &17 April 2025
2	Yash Tembhurne	Seventh	Pratikruti 2025	Participated	YCCE, Nagpur	25 Feb 2025
3	Yash Tembhurne	Seventh	(Antaragni-25) Poster Competition	Winner	GHRCEM, Nagpur	16 &17 April 2025
4	Yash Tembhurne	Seventh	Implementation of E-bicycle	Participated	RBU,Nagpur	7 Mar 25
5	Dhanashree Dukre	Seventh	Energy Literacy Training	Participated	Energy Swaraj Foundation	20-01-2024
6	Dhanashree Dukre	Seventh	IEEE	Participated	GHRCEM, Nagpur	27 & 28 Jan 2023
7	Dhanashree Dukre	Seventh	Student Chapter Certificate of Membership	Participated	GHRCEM, Nagpur	Valid upto 2026
8	Achal Ninave	Seventh	IEEE	Participated	GHRCEM, Nagpur	27 & 28 Jan 2023
9	Mayur Kohale	Fifth	(Antaragni-25) SUBRANG-25	Winner	GHRCEM, Nagpur	15 Feb 25
10	Nidhi Palandurkar	Third	(Antaragni-25) CONCEPT CLASH	Participated	GHRCEM, Nagpur	16-17 April 2025
11	Nidhi Palandurkar	Third	(Antaragni-25) Creative Writing	Participated	GHRCEM, Nagpur	22-10-2024
12	Nidhi Palandurkar	Third	Clash of Mind	Participated	GHRCEM, Nagpur	01 29 2025
13	Khushant Chopkar	Third	Buildverse a 24 hour hackathon Challenge	Participated	SST capus, Bengaluru	24-25 May 2025
14	Khushant Chopkar	Third	Prototype Hypotone	Winner	GHRCEM, Nagpur	16-17 April 2025
15	Nikhil Paulgagade	Fifth	(Antaragni-25) SUBRANG-25	Winner	GHRCEM, Nagpur	15 Feb 2025
16	Piyush Shende	Third	Cyber Security	Participated	Alcheringa IIT Guwahati	1 Jan 2025 to 28 Feb 2025
17	Piyush Shende	Third	Ethical Hacking Workshop	Participated	Axis'25, VNIT Nagpur	22-23 March 2025
18	Piyush Shende	Third	Encipher X30	Winner	ST.Vincent Pallotti, Nagpur	20 & 21Jan 25
18	Sarth Nagapure	Third	Business Analytics	Participated	Techfest, IIT Bombay	17-19 December 2024
19	Nikil Paulzagade	Fifth	Design Team	Participated	State Leve Tech Fest " ELECTRICA-2K25	16-17 April 2025I
20	Nikil Paulzagade	Fifth	Clash of Mind	Participated	Flashover Forum	29 Jan 2025
21	Latish Parate	Seventh	Electric Blueprint	Winner	State Level TechFest " ELECTRICA-2K25	16-17 April 2025
22	Swapnil Chede	Fifth	Team Syntax Terror	Participated	GHRCEM, Nagpur	
23	Swapnil Chede	Fifth	(Antaragni-25) Chess (Male)	Winner	GHRCEM, Nagpur	15 Feb 2025
24	Mayank Somkuwar	Fifth	Electrica 2k25 " Quiz Quest	Participated	GHRCEM, Nagpur	16-17 April 2025
25	Ritesh Jambewar	Fifth	Electrica 2k25 " Quiz Quest	Participated	GHRCEM, Nagpur	16-17 April 2025
26	Komal Bagde	Fifth	(Antaragni-25) Decoration	Participated	GHRCEM, Nagpur	15 Feb 2025
27	Komal Bagde	Fifth	(Antaragni-25) Design Team	Participated	GHRCEM, Nagpur	16-17 April 2025
28	Devyani Jogi	Fifth	(Antaragni-25) SUBRANG-25	Runner	GHRCEM, Nagpur	15 Feb 2025
29	Devyani Jogi	Fifth	Electrica 2k25 " Electric Blueprint	Participated	GHRCEM, Nagpur	16-17 April 2025
30	Devyani Jogi	Fifth	Clash of Mind	Participated	Flashover Forum	29 Jan 2025
31	Rahul Sontakke	Fifth	(Antaragni-25) SUBRANG-25	Runner	GHRCEM, Nagpur	15 Feb 2025
32	Rahul Sontakke	Fifth	Social Media Handler	Cordinator	GHRCEM, Nagpur	15 Feb 2025

Students Publications

Sr. No.	Group No.	Roll No.	Name of Students	Title of Paper	Guide Name	Journal Name	National/ Internat-ional	ISBN/ ISSN Number	Volume	Publication Date & Year
1.	G1	A-19	Pranay V. Karkade	Industry Monitoring & Security System Using IOT	Mr. Chetan Kidile	International Journal for Multi-disciplinary Research (IJFMR)	Interna-tional	2582 -2160	Volume 6, Issue 5	September - October 2024
2.		B-27	Rutuja J. Fulzele							
3.		B-16	Nrupesh M. Motghare							
4.		B-04	Dhanashri P. Wankhade							
5.		B-15	Niyaj Khan Pathan							
6.		B-10	Kunal S. Lende							
7.	G2	B-07	Harsh J. Hedau	Solar Powered Electric Vehicle	Dr. Bhupendra Kumar	International Journal of All Research Education & Scientific Methods (IJARESM)	Interna-tional	2455-6211	Volume 12	12 December-2024
8.		B-21	Pratik Ashik Girhake							
9.		B-26	Rushikesh R. Nikhar							
10.		B-30	Sahil S. Sahare							
11.		B-36	Suchita R. Parise							
12.		B-39	Vedant P. Pahade							
13.	G3	B-02	Aniket S. Indurkar	Design of Automated Seed Sowing Machine	Mr.Avinash Welankiwar	International Journal of Innovative Science and Research Technology (IJISRT)	Interna-tional	2456-2165	Volume 9 - 2024 Issue 12 - Dece-mber	18-December 2024
14.		B-03	Aryans S. Dhanvijay							
15.		B-08	Himanshu S. Meshram							
16.		B-11	Maheshwari G. Dharpure							
17.		B-25	Rushabh C. Bankar							
18.		B-32	Sanket S. Khobragade							
19.	G4	A10	Kalash Meshram	Design of PV Battery Hybrid Inverter	Mr.Yogesh Ikhe	International Journal for Multi-disciplinary Research (IJFMR)	Interna-tional	2582-2160	Volume -6, Issue-6	November-December 2024
20.		A14	Muskan Sheikh							
21.		A22	Sagar Chopde							
22.		A23	Sahil Adole							
23.		A25	Sakshi Tulankar							
24.		A26	Sarthak Thakre							
25.	G5	B-13	Nikhil Damle	Wireless Electric Energy Transmission System Using Inductive Coupling Method	Mr. Sachin Karare	International Research Journal of Modernization in Engineering Technology and Science	Internati -onal	2582-5208	Volume 06	6 December 2024
26.		B-18	Pawan Rang							
27.		B-19	Pawan Baraskar							
28.		B-20	Prajwal Lode							
29.		B-29	Sahil Behaniye							
30.		B-35	Sonu Naktode							

Sr. No.	Group No.	Roll No.	Name of Students	Title of Paper	Guide Name	Journal Name	National/ Internat-ional	ISBN/ ISSN Number	Volume	Publication Date & Year
31.	G6	B-33	Sanskruti Gawali	Automatic Controlled Floating River Cleaning Boat	Dr.Tarun Shrivastava	International Journal of All Research Education & Scientific Methods (IJARESM)	Interna-tional	2455 -6211	Volume 12	21 November 2024
32.		B-34	Shivam Masram							
33.		B-23	Rashmi Chaudhari							
34.		B-05	Dinesh Shende							
35.		B-38	Vaishnavi Bawane							
36.		B-28	Rutvik Patil							
37.	G7	B-09	Himanshu Narad	Intelligent Headlight Control & Real-Time Obstacle Alert System For Electric Vehicles	Miss Rashmi S. Phasate	International Journals of innovative Research of Science, Engineering & Technology (IJIRSET)	Interna-tional	2319 -8753	Volume 13, Issue 11	11, November 2024
38.		B-01	Akshay Hatzade							
39.		B-06	Gaurav Khandate							
40.		B-31	Sameer Bokde							
41.		B-12	Mukund Chavhan							
42		B-22	Purva Pachghare							
43	G8	A-17	Prajwal Ingale	Portable Electric Bicycle Drive	Mr. Kiran Raut	International Journal of Scientific Research in Engineering and Management	Interna-tional	2582 -3930	Volume No. 8	12 December 2024
44.		A-18	Pranav Hajare							
45.		A-24	Sakshi Pantawane							
46.		A-28	Satish Kalbande							
47.		A-30	Sneha Meshram							
48.	G9	A-05	AryanA. Gedam	Design & Implemen-tation of E-Bicycle	Mr. Kiran Raut	International Journal of Innovative Science and Research Technology	Interna-tional	2456 -2165	Volume 9	11 November - 2024
49.		A-15	Nayan P. Harbare							
50.		A-01	Abhirash G. Choudhary							
51.		A-02	Aditya N. Tupkar							
52.		A-07	Himanshu B Sarode							
53.	G10	A-08	Janhvi L. Lonare	Automatic & Portable Physio Therapy Device	Mr. Pawan Kamdi	International Journal for Mult-idisciplinar Research	Interna-tional	2582 -2160	Volume 6	Date 11 November place Nagpur
54.		A-03	Aishwarya G. Mankar							
55.		RR-07	Anagha A. Bhongade							
56.		A-68	Yash S. Kale							
57.	G11	B-14	Nilesh S. Shingane	IOT Base Motor Monitoring System	Mr. Sachin Karare	International Research Journal of Modernization in Engineering Technology & Science	Interna-tional	2582 -5208	Volume 6	12 December 2024 Nagpur
58.		B-17	Om R. Wairagade							
59.		B-24	Ruchit R. Ramteke							
60.		B-37	Tanmay G. Madavi							
61.		RR-68	Tanmay V. Ramteke							

Faculty Participations in Workshops, FPD, STTP etc.:

Sr. No	Department	FDP	STTP	Workshop	Webinar	Paper Publi-cation	Book/ Book chapter Publication	Copy right	Patent	NPTEL
1	Electrical Engineering	08	7	02	00	00	00	06	00	05

Faculty Participations in FDP:

Sr. No	Name of Faculty	Category of Program STTP/FDP/ Workshop	Title of Program	Venue & Organizer	Date	Duration [No. of Days]
1	Dr. Tarun Shrivastava	FDP	Advanced AI tools for preparing research papers	SASI Institute of Technology & Engineering	8th - 9th Nov.2024	02 Days
2.	Mr.Avinash Welankiwar, Mr.Kiran Raut	FDP	PRISM: Promoting Renewable Integration with Sustainable Mobility in Smart Cities	Department of Electrical Engg. Sardar Vallabhbhai National Institute of Technology, Surat	02/12/2024 to 07/12/2024	06 Days
3.	Mr.Pawan Kamdi	FDP	Transforming Innovations into Reality for Future Science & Engg. (TIRFSE 2K24)	Department of Applied Sciences & Humanities, Haldia Institute of Technology, Haldia	November 4 - 8, 2024,	05 Days
4	Mr.Chetan Kidile	FDP	AI for sustainable development	VIIT Pune	05-09 Aug.2024	05 Days
5	Mr. Chetan Kidile, Mr. Yogesh Ikhe	FDP	Recent Advancement in e-Mobility for Developing Power Utility	NIT Jamshedpur	06/01/2025 to 11/01/2025.	06 Days
6	Dr. Bhupendra Kumar	FDP	Solar PV Plant Design	Skill Desire in Collab. With AICTE	--	01 Month
7	Dr. Tarun Shrivastava	FDP	Crystal Growth, Semiconductor Processing and Manufacturing Technologies	Indian Institute of Technology (Indian School of Mines) Dhanbad	16/12/2024 to 21/12/2024	06 Days
8	Dr. Tarun Shrivastava	FDP	Recent advances in AI and IoT - Industry Perspective	PMIST, Vellam, Thanjavur	25-30 Nov.2024	06 Days

Faculty Participations in STTP:

Sr. No	Name of Faculty	Category of Program STTP/FDP/ Workshop	Title of Program	Venue & Organizer	Date	Duration [No. of Days]
1	Dr. Bhupendra Kumar, Mr. Yogesh Ikhe, Mr. Chetan Kidile, Mr. Pawan Kamdi	STTP	Advanced Techniques in Biomedical Image Processing Using AI	Malaviya Mission Teacher Training Centre, National Institute of Technology Warangal	26-08-2024 to 31-08-2024.	06 Days
02	Mr. Avinash Welankiwar	STTP	Smart & Sustainable Strategy for Renewable Energy and E-mobility	Department of Electrical Engg., Sardar Vallabhbhai National Institute of Technology, Surat	23rd Sept. 2024 to 27th Sept., 2024	05 Days
03.	Mr. Avinash Welankiwar	STTP	Introduction to Machine Learning and Deep Learning	NITTTR Kolkara	25th Nov. to 29th Nov., 2024	05 Days
04	Mr.Chetan Kidile	STTP	Emerging Application of AI and IoT: Oppertiunities and challenges 2024	Dept. of Electrical Engg, NIT Jamshedpur	23-27 Sept.2024	05 Days
05	Mr.Yogesh Ikhe	STTP	"AI Driven Techniques for Computer and Electronics Engg."	Dr B R Ambedkar National Institute of Technology, Jalandhar	09th Dec. to 13th Dec. 2024.	05 Days
06.	Dr. Tarun Shrivastava	STTP	National IP awareness	Intellectual Property Office, India	30/08/2024	01 Day
07	Dr. Tarun Shrivastava	STTP	NEP 2020 Orientation & Sensitization Programme	MMTP UGC and National Institute of Educational Planning & Admini-stration New Delhi	01 to 10 January, 2025.	10 Days

Faculty Participations in Workshop Seminars Details

Sr. No	Name of Faculty	Category of Program STTP/FDP/ Workshop	Title of Program	Venue & Organizer	Date	Duration [No. of Days]
1	Ms.Priti Bawankule	Workshop	Ansys	E&ICT Academy IIT Kanpur	--	2 Months
2.	Mr.Avinash Welankiwar, Mr.Kiran Raut, Mr.Chetan Kidile, Yogesh Ikhe	Workshop	"Digital Transformation & Industry 5.0"	Dept. of Mechanical Engg., VIT Vellore	16/12/2024 to 17/12/2024.	02 Days

Details of the Copyrights

Sr. No.	Name of Faculty	Registration Number	Title of Work	Diary Number	Date of Certificate
1.	Mr. Avinash Welankiwar	L-161239/2025	Fundamentals of Single Phase Induction Motors	34507/2024-CO/L	24/02/2025
2.	Ms. Priti Bawankule	L-161613/2025	Impact of Primary Conductor Position Changes on Mutual Inductance of Rogowski Coil	40292/2024-CO/L	27/02/2025
3.	Mr. Chetan Kidile	L-154297/2024	Solar Powered Moss Based Outdoor Air Purifier With Air Quality Monitor	24831/2024-CO/L	24/09/2024
4.	Mr. Yogesh Ikhe	L-163204/2025	Automated Headlight Intensity Control & Obstacle Alerting System In EV	38473/2024-CO/L	03/04/2025
5.	Mr.Chetan Kidile		Industry Monitoring And Security System Using IoT	4043/2025-CO/L	05/02/2025 (Filed)
6.	Mr. Avinash Welankiwar		Recent Developments in Microgrid Protection.pdf	7710/2025-CO/L	06/03/2025 (Filed)

NPTEL Certifications of Faculty and students:

Sr. No.	Name of Faculty	Title	Category	Year
1.	Mr. Chetan Kidile	Dc Microgrid and Control System	Elite+Silver	2024-25 (Odd)
2.	Mr. Yogesh Ikhe	Dc Microgrid and Control System	Successfully Completed	2024-25 (Odd)
3.	Dr. Tarun Shrivastava	Solar Energy Engineering and Technology	Successfully Completed	2024-25 (Odd)
4.	Mr. Avinash Welankiwar	Integrated Marketing Communication	Elite	2024-25 (Even)
5.	Ms. Priti Bawankule	Fuzzy Sets, Logic and Systems & Applications	Elite+Silver	2024-25 (Even)

Faculty Participation and Achievement (2024-25)

Name of Faculty	Particulars
 **Dr. Bhupendra Kumar**	1. Manuscript titled "Challenges and mitigation techniques in adaptive protection for microgrids: comprehensive review" is published in Renewable Energy Focus Journal, Elsevier (ESCI) 2. Manuscript titled "Solar Powered Electric Vehicle", is published in the International Journal of All Research Education and Scientific Methods. 3. Published conference paper "Design of DC-DC Interleaved Boost Converter Using Sliding Mode Control", at International Conference on Sustainable Power & Energy ResearchICSPER 2024, at National Institute of Technology Warangal. 4. Published conference paper "Condition Monitoring of Power Transformer using Fuzzy Logic Approach" at international conference ICAESD 2024 at GCOE, Amravati 5. Patent published with title "Hybrid electric bicycle with regenerative kinetic energy and solar assisted charging" 6. Patent published with title "Solar Powered Moss-Based Outdoor Air Purifier with Air Quality Monitor" 7. Worked as a General Chair for ICACEBD 2025 held at GHRCEM, Nagpur at 05th and 06th June 2025 8. Participated in One-Week Online Short-Term Programme on "Advanced Techniques in Biomedical Image Processing Using AI" under Malaviya Mission Teacher Training Programme of University Grants Commission Organized by Malaviya Mission Teacher Training Centre, National Institute of Technology Warangal from 26-08-2024 to 31-08-2024. 9. Participated in Workshop on MATLAB and PYTHON Programming (MPP-2025), during May 19-23, 2025, in online mode, organized by Department of Mathematics, National Institute of Technology Jamshedpur. 10. Contributed as a Reviewer for the 1st international conference on "smart power control and renewable energy (ICSPCRE-2025) organized by department of Electrical Engineering from 19-21 July 2024 at NIT Rourkela 11. Contributed as a Session chair at the IEEE - Sponsored International conference on Sustainable power and Energy 2024, held on 28th -29th November 2024, Organized by Department of Electrical Engineering, O P Jindal University Raigarh Chhattisgarh India. 12. Contributed as a Reviewer for the 4th international conference on "Power Control and computing Technologies (ICPC2T-2024) organized by department of Electrical Engineering from 20-22 January 2025 at NIT Raipur 13. Contributed as a Reviewer for the 3rd international conference on "Advance Communication Energy and Big Data (ICACEBD-2025) organized from 5- 6 June 2025 at GHRCEM Nagpur 14. Contributed as a Reviewer for prestigious journals such as, IEEE Transaction on Power Delivery, IET-GTD, IET-SMT, Elsevier-EPSR, Elsevier-Applied Soft Computing, Taylor & Francis- EPCS
 **Mr. Kiran Raut**	1. Patent published under title "Hybrid electric bicycle with regenerative kinetic energy and solar assisted charging. 2. Book chapter published in Advances in Clean Energy and Sustainability, Volume 1, under the title of "low cost hybrid electric vehicle 3. Research paper published in world electric vehicle journal under title "Performance Analysis of Multiple Energy-Storage Devices Used in Electric Vehicles". 4. Research paper published in AIP Advances, "Design of wireless charging system for E-Vehicle". 5. Resource person in ATAL FDP Workshop on Recent trends and advances in energy storage system E- Mobility 6. Recommendation letter from Dr,Ravita lamba,Assistant Professor, Department of Hydro and Renewable Energy,Indian Institute of Technology Roorkee,for KPIT shodh award. 7. Worked as reviewer for ICACEBD 2025 held at GHRCEM, Nagpur at 05th and 06th June 2025

	8. Guest lecture delivered in SB jain institute of technology and management research college under the title "Solar installation & its importance:Sustainable Energy Future". 9. Completed ATAL FDP on PRISM: Promoting Renewable Integration with Sustainable Mobility in Smart Cities organized by SVNIT Surat, from 02/12/2024 to 07/12/2024. 10. Participated in the workshop entitled "Digital Transformation and Industry 5.0" held at Vellore Institute of Technology, Vellore, India during 16/12/2024 to 17/12/2024
 **Mr. Avinash Welankiwar**	1. Completed ATAL FDP on PRISM: Promoting Renewable Integration with Sustainable Mobility in Smart Cities organized by SVNIT Surat, from 02/12/2024 to 07/12/2024. 2. Presented paper titled "Condition Monitoring of Power Transformer using Fuzzy Logic Approach" at international conference ICAESD 2024 at GCOE, Amravati 3. Worked as reviewer for ICACEBD 2025 held at GHRCEM, Nagpur at 05th and 06th June 2025 4. Worked as reviewer for 2024 IEEE 42nd Central America & Panama Convention 5. Manuscript titled "Challenges and mitigation techniques in adaptive protection for microgrids: comprehensive review" is published in Renewable Energy Focus Journal, Elsevier (ESCI) 6. Completed One Week Faculty Development Programme / Short Term Training Programme on "Introduction to Machine Learning and Deep Learning" organised by NITTTR Kolkata from 25th November to 29th November, 2024 7. Elite certification in NPTEL Course on "Integrated Marketing Communication " 8. Copyright titled "FUNDAMENTALS OF SINGLE PHASE INDUCTION MOTORS " is registered with ROC:L-161239/2025 9. Completed One-week STTP on ''Smart and Sustainable Strategy for Renewable Energy and E-mobility'' organized by Department of Electrical Engineering, SVNIT Surat from 23rd to 27th September, 2024. 10. Participated in the workshop entitled "Digital Transformation and Industry 5.0" held at VIT, Vellore, India during 16/12/2024 to 17/12/2024. 11. Patent published with title "Hybrid electric bicycle with regenerative kinetic energy and solar assisted charging"
 **Dr. Tarun Shrivastava**	1. Ms. Rupali Rajesh Hete, a research scholar at G H Raisoni University, Amravati (GHRUA), has been awarded the degree of Doctor of Philosophy (Ph.D.) under supervision awarded on 11th April 2025. 2. Patent published with title, "A SOLAR POWERED AIR PURIFIER" with design no 444238-001, dated on 22/04/2025 3. Worked as reviewer for ICACEBD 2025 held at GHRCEM, Nagpur at 05th and 06th June 2025 4. Completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) organized by UGC-Malaviya Mission Teacher Training Centre, National Institute of Educational Planning and Administration New Delhi from 1-10 January 2025. 5. Participated; completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Crystal Growth, Semiconductor Processing and Manufacturing Technologies at Indian Institute of Technology (Indian School of Mines) Dhanbad from 16/12/2024 to 21/12/2024. 6. Published the IEEE International Conference on "Unsymmetrical Fault Analysis of DFIG wind form using FO-PI controller with online Neural Tuning" 2nd IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON-2024), 04 October 2024 Nitte Meenakshi Institute of Technology, Bengaluru, ISBN:979-8-3503-7289-2 10.1109/NMITCON62075.2024.10698822 7. Published the IEEE International Conference on "PI Controller Design Using Neural Tuning Method for DFIG Grid Integration", 2024 IEEE 5th India Council International Subsections Conference (INDISCON) Chandigarh, 11 10.1109/INDISCON62179.2024.10744305 8. Participated in the Two days FDP on "Advance AI Tools for preparing Research paper" organized by the department of computer science and engineering at SASI Institute of technology and engineering in association with Pencil Bitz on

	November 8th & 9th 2024. 9. Successfully participated in IP Awareness/Training NATIONAL INTELLECTUAL PROPERTY AWARNESS MISSION ON august 30, 2024 10. Successfully participated in Two days national workshop on "Electric vehicles challenges and opportunities" Sponsored by Gujarat Council of science and technology (GUJCOST) and parul university organized by Electrical Engineering department, Parul institute of engineering and technology - Diploma studies from 29 th & 30 th December 2024 11. Successfully completed NPTEL Course on "Solar Energy Engineering and Technology" NOV 2024
 **Mr. Yogesh Ikhe**	1. Copyright titled "Automated headlight intensity Control and obstacle alerting system in EV", is registered with ROC:L-163204/2025. 2. Completed ATAL FDP on Electric Vehicle & Charging Station Technology for Sustainable Development at NIT Jamshedpur from 13/01/2025 to 18/01/2025. 3. Successfully completed the HP LIFE online course Success Mindset from 16/06/2025 to 18/06/2025. 4. Successfully completed NPTEL Course on "Dc Microgrid and Control System". 5. Worked as reviewer for ICACEBD 2025 held at GHRCEM, Nagpur at 05th and 06th June 2025. 6. A paper titled "Design of PV Battery Hybrid Inverter" is published in International Journal for Multidisciplinary Research, E-ISSN: 2582-2160. 7. A manuscript titled "Design of DC-DC Interleaved Boost Converter Using Sliding Mode Control" is published in Springer, Notes on Electrical Engineering. 8. Completed the One-Week Online Short-Term Programme on "Advanced Techniques in Biomedical Image Processing Using AI" organized by National Institute of Technology Warangal from 26-08-2024 to 31-08-2024. 9. Participated in the workshop entitled "Digital Transformation and Industry 5.0" held at Vellore Institute of Technology, Vellore, India during 16/12/2024 to 17/12/2024. 10. Patent published with title "Hybrid electric bicycle with regenerative kinetic energy and solar assisted charging" . 11. Participated in the five days short-term course on, "AI Driven Techniques for Computer and Electronics Engineering",organized by Dr B R Ambedkar National Institute of Technology, Jalandhar Punjab, from 09th December to 13th December 2024. 12. Patent published with title "Solar Powered Moss-Based Outdoor Air Purifier With Air Quality Monitor" .
 **Mr. Chetan Kidile**	1. Research Paper published in International Conference on sustainable power & Energy research organised by National Institute of Technology Warangal titled on "Design of DC-DC Interleave Boost Converter Using Sliding Mode Control". 2. Research Paper published in International Journal for Multidisciplinary Research (IJFMR) under title "Industry Monitoring & Security System Using IoT". 3. Patent Published under title "Solar Powered MOSS Based Outdoor Air Purifier with Air Quality Monitor". 4. Worked as reviewer for International Conference on Advance Communication, Energy & Big Data (ICACEBD) 2025 held at GHRCEM, Nagpur at 05th and 06th June 2025. 5. Copyright titled "Solar Powered Moss Based Outdoor Air Purifier with Air Quality Monitor", is registered with ROC: L-154297/2024. 6. Copyright titled "Industry Monitoring & Security System Using IoT", is registered with ROC: 4043/2025-CO/L 7. NPTEL online courses "DC Microgrid And Control System" coordinated by IIT Roorkee, Jul-Sep 2024. (Elite + Silver Certificate) 8. Attended One-week FDP on "AICTE Training and Learning (ATAL) Academy Faculty Development Program on Recent Advancement in e-Mobility for Developing Power Utility at NIT Jamshedpur from 06/01/2025 to 11/01/2025. 9. Attended in the 05 days STTP on "Emerging Application ogf AI & IoT: Opportunities & Challenges in 2024" organised by EE Department National Institute of Technology Jamshedpur India during 12/09/2024 to 27/09/2024 10. Attended in the 05 days FDP on "AI for Sustainable Development" held at IEEE Region VIT Pune India during 05/08/2024 to 09/08/2024

	11. Attended the One-Week STTP on "Advanced Techniques in Biomedical Image Processing Using AI" organized by National Institute of Technology Warangal from 26-08-2024 to 31-08-2024 12. Participated in the workshop entitled "Digital Transformation and Industry 5.0" held at Vellore Institute of Technology, Vellore, India during 16/12/2024 to 17/12/2024 13. Successfully completed the online Certification Course on Ethics in Teaching & Learning Department of Humanities and Social Sciences Indian Institute of Technology Madras from 21/03/2025 to 25/03/2025.
 **Mr. Pawan Kamdi**	1. Presented paper on "Contingency Analysis and Placement of DG to Improve Power Performance Indices" in IEEE 3rd (ODICON-2024), organized by Department of Electrical Engineering, Institute of Technical Education & Research, Faculty of Engineering; Technology, Siksha & Anusandhan Deemed to be University, Bhubaneswar, Odisha. 2. Research paper published on "Automatic and Portable Physiotherapy Hardware Device for Legs Authors" in International Journal for Multidisciplinary Research (IJFMR) E- ISSN: 2582-2160. 3. Completed one week STTP on "AI Driven Techniques for Computer and Electronics Engineering "organized by NIT Jalandhar, Punjab between 9th Dec to 13th Dec 2024. 4. Participation in the One-week Faculty Development Program on Transforming Innovations into Reality for Future science and Engineering (TIRFSE 2K24) during November 4 - 8, 2024. 5. Completed the One-Week Online Short-Term Programme on "Advanced Techniques in Biomedical Image Processing Using AI" under Malaviya Mission Teacher Training Programme of University Grants Commission Organized by Malaviya Mission Teacher Training Centre, National Institute of Technology Warangal from 26-08-2024 to 31-08-2024. 6. Guest lecture delivered in Agnihotri College of engineering Wardha under the topic "Application of Renewable Energy". 7. Patent Published "Solar Powered Moss-Based Outdoor Air Purify with air quality monitor".
 **Ms. Priti Bawankule**	1. Published Journal paper on "Modeling and performance analysis of 3D structured Rectilinear Rogowski coil using Finite Element Method" in 2025 2. Published IEEE conference paper on "Analyzing the performance of 3D PCB Rogowski coil in pulsed current Measurement Using Finite Element Method" in 2025 pape id-72 3. Copyright of Poster on "Impact of Primary conductor Position changes on Mutual Inductance of Rogowski coil" in 2025 4. Reviewer in Proceedings of the International Conference on Emerging Technologies & Applications in Electrical Engineering (ETAEE-2024), December -2024, organized by NIT Raipur 5. NPTEL online courses "Fuzzy sets, logic and system &Application" coordinated by IIT Madras, January-April 2025. (12 weeks) (Elite Silver Certificate) 6. Presented a poster on "High Voltage Equipment Monitoring System based on IoT" at the National Level poster presentation visualizing connectivity: IoT Poster Expo-2024, Madhav Institute of Technology and Science, Gwalior,(MP) on 19 October 2024. 7. Three-month workshop on "ANSYS Software" conducted by IIT Kanpur from Oct 2024 to Dec 2024 8. Attended One-week FDP on "Electric Vehicle and charging station Technology for sustainable development" conducted by National Institute of Technology, Jamshedpur (ATAL Academy) 9. Attended 5day FDP on "Advances in Material Processing technology" Organized by department of Metallurgical Engineering, OPJindal University Raigarh from 20th Jan to 24th Jan 2025 10. Presented a poster on "High Voltage Equipment Monitoring System based on IoT" at the National Level poster presentation visualizing connectivity: IoT Poster Expo-2024, Madhav Institute of Technology and Science, Gwalior,(MP) on 19 October 2024

BATCH : 2021 - 2025

