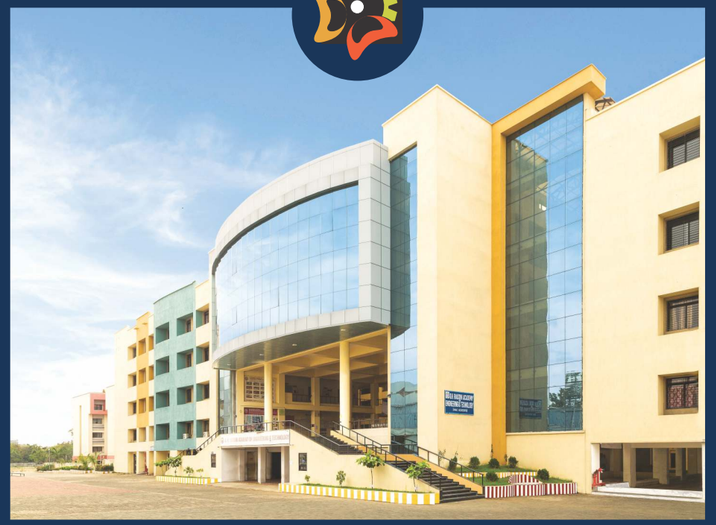
RAISONI GROUP
a vision beyond



G H Raisoni Institute of Engineering & Technology, Nagpur

(Approved by AICTE, New Delhi and Recognized by DTE, Maharashtra)
An Autonomous Institute Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Accredited by NBA & NAAC with "A+" Grade

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G H RAISONI CENTENARY DECADE CELEBRATION 1930-2030

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G H RAISONI INSTITUTE OF ENGINEERING & TECHNOLOGY, NAGPUR

DEPARTMENT OF ELECTRICAL ENGINEERING



TECHNOVATION

2022 - 23

Department Vision Mission



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 Upgradation of Faculty, Staff and Students through training programs.



Published By

Electrical Engineering Department

(Accredited by NBA)

G H Raisoni Institute of Engineering & Technology, Nagpur.

Conceptualized by

Dr. Bhupendra Kumar

Head of Department,
Electrical Engineering Department,
G H Raisoni Institute of Engineering & Technology, Nagpur.

Coordinated By

Prof. Avinash Welankiwar

Editor and Asst. Professor

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RAISONI GROUP
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Mr. Sunil Raisoni
Chairman RGI



Mrs. Shobha Raisoni
Patron 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, GHRIET, Nagpur

G H Raisoni Institute of Engineering & Technology, strive 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 Institute of Engineering and Technology, 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 the 2023 editions to life.

EDITORIAL'S MESSAGE



Mr. Avinash S. Welankiwar
Assistant Professor &
Editor TECHNOVATION Magazine

Bringing out 'TECHNOVATION' has been quite an experience! This editorial is a real different one with no grievances and no senti-sentences and the credit goes to 'TECHNOVATION' team. A new venture with totally inexperienced team was a special challenge for us and I hope we succeeded to some extent. I would also take this opportunity to thank Dr.Vivek Kapur sir Director, GHRIET, and Dr. Bhupendra Kumar, HOD, EE department who have been there to guide me all through this effort. How can I forget my team!! I must say you guys are phenomenal. Now I pass the parole to the magazine, let the magazine speak for itself. HAPPY READING

Student Coordinator



Vinay Choudhary
VIII Sem. Electrical



Sidhesh Khilekar
VI Sem. Electrical

PROFILE OF THE DEPARTMENT

Year of establishment: 2009

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

Present Strength of Student (2022- 23)

Program	Girls	Boy	Total
Bachelor of Engineering (B.E.)	49	142	191

Present Strength of Staff (2022-23)

Teaching		Non-Teaching	
Male	Female	Male	Female
08	02	06	01

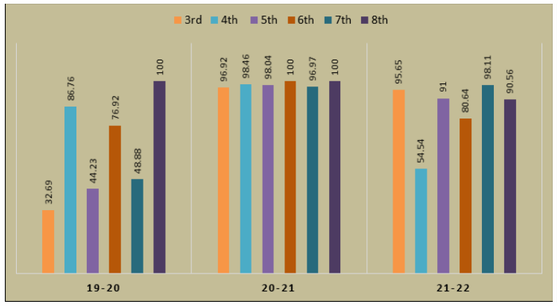
ABOUT ELECTRICAL ENGINEERING DEPARTMENT

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.

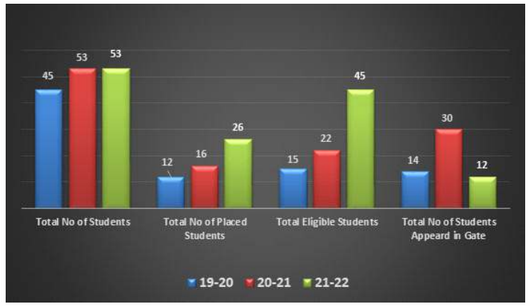
The Department has well-qualified and experienced faculty members with specialization in Electrical Machines & Drives, Power Electronics, Power System, Control Systems, and Renewable Energy. The Department has dedicated laboratories for academic and research activities. It provides the students with 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.

RESULT STATISTICS



PLACEMENT & HIGHER STUDIES STATISTICS



DEPARTMENTAL ACTIVITIES

SKILL TRAINING PROGRAM ON "INTRODUCTION OF MATLAB SIMULINK AND PROGRAMMING USED FOR ELECTRICAL ENGINEERS"

Department of Electrical Engineering, G H Raisoni Institute of Engineering & Technology, Nagpur has organized workshop on "Introduction of MATLAB Simulink and Programming used for Electrical Engineers" from 18th July to 22nd July 2022. Objective of this Workshop is to aware the students of 5th and 7th semester to MATLAB & Simulink Environment. All teaching faculty of Electrical Engineering Dept. has delivered sessions in this workshop. 64 nos. of 5th and 7th semester students have attended this workshop. This activity is coordinated by Mr. Avinash Welankiwar under the guidance of HOD EE, Dr. Bhupendra Kumar.









ACADEMIC SESSION START & CR FINALIZATION

Regular classes of academic session 2022-23 of 3rd and 4th year are commenced from 25th July 2022 as per academic calendar. CR for 5th and 7th sem are as below,

Class	Name of CR
3rd sem (R)	1. Pranay Karkade 2. Muskan Shafi Sheikh
3rd sem (DSY)	1. Pratik Girlale 2. Suchita Parise
5th sem	1. Mr. Sankalp Lokhande 2. Ms. Arpana Meshram
7th sem	1. Mr. Shreyas Mandaokar 2. Ms. Nisha Yadav

Mr. Avinash Welankiwar, Dr. Tarun Shrivastava and Mr. Chetan Kidile are the class teachers appointed for 4th year, 3rd year and 2nd year.

EXPERT LECTURE ON "ENTREPRENEURSHIP DEVELOPMENT" BY DR. ABHAY KHALATKAR, IN-CHARGE, INNOVATION CELL, GHRCE, NAGPUR

Expert Lecture on "Entrepreneurship Development" By Dr.Abhay Khalatkar, In-Charge, Innovation Cell, GHRCE, Nagpur is conducted at 203 Hall, GHRIET Nagpur, on 24th August 2022. He has given presentation of Innovation cell and various facilities available within it for the undergraduate students for developing startups and had interaction with students. 86 nos of students from 5th and 7th Sem have attended this program.





EXPERT LECTURE ON "GATE AND COMPETITIVE EXAMS PREPARATION" BY MR. ASHISH THAKUR, ENGINEERS ACADEMY, NAGPUR

Expert lecture on "GATE and Competitive Exams preparation" is organised by Electrical Engineering Department on dated 23-08-2022 for the students of Electrical Engineering Department. Mr.Ashish Thakur in this lecture focused on the scenario of various Government examinations like SSC JE, RRB, MPSC,

UPSC etc. and Mindset required for the preparation. He also discussed ways students can start the preparations with full motivation. 84 nos of students from 5th and 7th semester have attended this program. We hereby extend our gratefulness to Dr. Vivek Kapur, Director, GHRIET for permitting us to organise this expert lecture and their support.





FLASHOVER FORUM INSTALLATION PROGRAM

Dept. of Electrical Engineering, G H Raisoni Institute of Engineering & Technology, Nagpur has organized “Flashover Installation Program” (Student Association) on 29th August 2022 on the occasion of Engineers Day. This program is conducted at Dr. Vijay Bhatkar Seminar Hall. Total 95 Students from 5th & 7th semesters have attended this program. Guest of honor for this program are Dr.Vivek Kapur, Hon. Director , Dr.Achal Shahare, Registrar & Dr. Bhupendra Kumar, HOD EE. This activity is coordinated by Mr.Avinash Welankiwar, Faculty Incharge, FLASHOVER Forum









TEACHERS DAY CELEBRATION

Dept. of Electrical Engineering, G H Raisoni Institute of Engineering & Technology, Nagpur has Celebrated Teachers Day on 5th sept.2022 under Flashover Forum. This program is conducted at 203, Eklavya Seminar Hall. Total 95 Students from 3rd, 5th and 7th semesters have attended this program. Also students conducted various fun activities for the staff such as truth or dare, dumsheraj. Lastly, President Mr. Mohit Randale and Vice president Ms.Disha Raut given Vote of Thanks and the event was concluded.





VISIT TO 400 KV SUBSTATION, KORADI, NAGPUR

Department of Electrical Engineering, G H Raisoni Institute of Engineering & Technology, Nagpur has organized visit to 400 kV Substation Koradi – II, Nagpur on 16th Sept. 2022. 51 Students from final year, Mr. Kiran Raut and Ms. Rashmi Phasate, Assistant professor, Electrical Engg. Dept. has attended this visit. This activity is coordinated by Mr. Avinash Welankiwar under the guidance of Dr. Bhupendra Kumar, Head of Electrical Engineering Dept. and Dr. Vivek Kapur, Director, GHRIEN.



DRAMA CLUB ACTIVITY - "SUBRANG"

Electrical Engineering Department, G H Raisoni Institute of Engineering and Technology, Nagpur organized "Sab Rang" on 21/09/2022. Sub rang Arts is dedicated to the promotion & development of Indian art & culture. This is achieved through an educational programme of dance, music, arts festivals, exhibitions and other cultural activities. The Competition is open for all the engineering branches. Total 15 students were participated in this event. The participants represents the different states (UP, Panjab, West Bangal, Gujrat, Maharashtra & South India) of dresses, culture, foods, activity etc. The groups of West Bangal & Maharashtra state won the first prize and second prize won the Panjab & Gujrat state of outfits & food stall respectively. We thank our Beloved Director Dr. Vivek Kapur Sir, Registrar Dr. Achal Shahare, CoE, Dr. Tushar Shende, & HoD EE Dr. Bhupendra Kumar and the members of Drama club for making this event grand success.









RENEWABLE CLUB ACTIVITY – QUIZ COMPETITION

Renewable Club organized a Quiz Competition on the theme “Clean & Green energy” on 24/09/2022 for UG students, G H Raisoni Institute of Engineering & Technology, Nagpur. The objectives of this competition is, to give the exposure of renewable energy and motivate the students towards utilization and understanding of importance of renewable energy in today's scenario further enhanced the technical knowledge of UG students towards renewable energy. This event is actively participated by 212 students of our campus. Winning team include Mr. Ankit Chawre (7th sem EE), Mr. Pranav Hirulkar (3rd sem AI), Himanshu Jiwane (5th sem ME), Shyam Wanjari (5th sem EE), Anita Darwade (5th sem EE) GHRIETN. This Technical competition is coordinated by Mr. Yogesh Ikhe under renewable club.





EXPERT LECTURE BY DR. DHANANJAY TUTKNE ON "APPLICATIONS OF POWER ELECTRONICS"

Expert lecture on “Applications of Power Electronics” is organised by Electrical Engineering Department on dated 24.09.2022 for the students of 5th & 7th semester of Electrical Engineering Department. Program started with the felicitation & introduction by Mr.Yogesh Ikhe, Assitant professor of Electrical Engineering Department. Dr. D. R. Tutakne in this lecture focused on power electronic converters, advances in DC-DC converters. he also have focused on the application of DC-DC converters in industries. 70 Nos of students from 5th and 7th sem have attended this session. This activity is coordinated by Mr. Yogesh Ikhe.





VISIT TO HVDC TERMINAL SUBSTATION, CHANDRAPUR

Department of Electrical Engineering, G H Raisoni Institute of Engineering & Technology, Nagpur has organized visit to HVDC Terminal Substation, Chandrapur on 29th Sept. 2022. 61 nos. of Students from third year, Mr.Kiran Raut, Ms.Minal Salodkar and Mr. Avinash Welankiwar, Assistant professor, Electrical Engg. Dept. has attended this visit. Objective of this visit is to aware the Undergraduate students about operation & infrastructure of HVDC substation. This activity is coordinated by Mr. Avinash Welankiwar.



INTERNSHIP ORIENTATION PROGRAMME FOR 7TH SEM STUDENTS

Internship Orientation Programme for 7th sem students for 8th sem six Month Industry Internship for Autonomous batches was conducted on 15th oct. 2022 by Mr. Gurupal Singh, Dean T & P, RGI group. He addressed students about the internship process, its assessment and monitoring of students under internship period.



DIWALI MILAN PROGRAM FOR FACULTY & STAFF OF RGI





Raisoni Group of Institutions has organized “Diwali Milan” on 21st Oct.2022, from 6.00 PM for all the staff. It consisted of various entertainment activity, crackers show followed by Lunch. Faculties of Electrical Engineering have actively participated in this program.

OUTSTANDING ACHIEVEMENT- 7TH SEM STUDENT MR. RITIK TEMBHURNE HAS QUALIFIED GRADUATE RECORD EXAMINATIONS (GRE)

Heartiest Congratulations to Mr.Ritik Tembhurne, 7th Sem EE, for excellent score of 318 marks out of 340 in Graduate Record Examinations (GRE). We appreciate his true efforts and wishing him Best of Luck for the future progress.



GRE — TEST TAKER SCORE REPORT

Note: This report is not valid for transmission of scores to an institution.

RITIK ANAND TEMBHURNE

Most Recent Test Date: July 26, 2022

Address: Plot no. 283,Kamptee road, Siddarth nagar teka, Nagpur, 440017 India

Registration Number: 1187860
Print Date: August 4, 2022

Email: tembhurnetik1203@gmail.com
Phone: 91-9001651852
Date of Birth: June 23, 2001
Gender: Male
Intended Graduate Major: Undecided (0000)

Your Scores for the General Test Taken on July 26, 2022

Verbal Reasoning	Quantitative Reasoning	Analytical Writing
Your Scaled Score: 149	Your Scaled Score: 169	Your Score: 2.0
130 – 170	130 – 170	0 – 6
38th Percentile	93rd Percentile	2nd Percentile

Your Test Score History

General Test Scores

	Verbal Reasoning		Quantitative Reasoning		Analytical Writing	
Test Date	Scaled Score	Percentile	Scaled Score	Percentile	Score	Percentile
July 26, 2022	149	38	169	93	2.0	2

"EYESPOT" ACTIVITY UNDER FLASHOVER FORUM







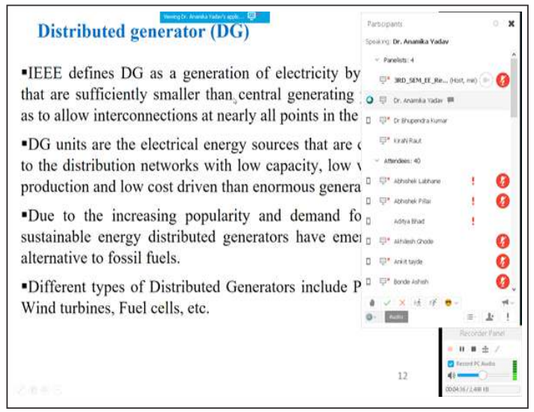


Dept. of Electrical Engineering, G H Raisoni Institute of Engineering & Technology, Nagpur under FLASHOVER FORUM has organized activity "EYESPOT" on 16th November 2022. This event is conducted at 401, Dr. Vijay Bhatkar Seminar Hall. Total 79 nos of participants from various branches of engineering in GHRIET have participated in this event. In round 1 participants have shown 10 slides for 7 min each, in which the noted down observations and corrections required. After evaluation of answersheets, 10 top scoring students are shortlisted. In Round 2, Dr. Rahul Pethe, Dean, T&P, GHRIET and Mr. Avinash Welankiwar assessed the presentations of the shortlisted students based on the observations and corrections in the slides shown in previous round. Winners of this activity are 1st position, Mr. Vinay Choudhary, 7th Sem EE with Rs. 300 Cash prize, 2nd Position Mr. Rohit Ade with Rs. 200 Cash prize & Mr. Rugved Khapekar, 3rd Sem ETC (diploma) with Rs.100 Cash prize. This activity is coordinated by Mr. Avinash Welankiwar under the guidance of Dr. Bhupendra Kumar, HOD, EE.

EXPERT LECTURE ON "SMART GRID & ITS FUTURE PROSPECTS"

Expert lecture on "Smart Grid and Its Future Prospects" is organised by Electrical Engineering Department on dated 22.11.2022 for the students of 7th semester in online mode on

CISCO WebEx platform. Program started with the felicitation and introduction of expert by Prof. Avinash S.Welankwiar, Assitant professor of Electrical Engineering Department. Dr. Anamika Yadav focused on aspects of conventional power system and Distributed generation in Smart Grid and energy storage systems. She also justified the step wise developments of indian power sector into smart grid. This activity is coordinated by Dr. Bhupendra Kumar, HOD, EE.



PARTICIPATION OF FINAL YEAR STUDENTS IN INDIAN NATIONAL CONGRESS HELD AT RTMNU, NAGPUR

02 projects from final year Electrical Engg department have selected for Participation in Indian National Congress held at RTMNU, Nagpur on 03rd Jan. 2023. Titles of the selected projects are “Smart Shoe for Flat Feet” and “Automatic Solar Panel Cleaning System” and respective project Guides are Ms. Rashmi Phasate and Dr. Bhupendra KUmar



FACULTY MOU BETWEEN G H RAISONI INSTITUTE OF ENGINEERING AND TECHNOLOGY DEPARTMENT OF ELECTRICAL ENGINEERING AND SUNTRONIC RENEWABLE PRIVATE LIMITED ON 01ST FEB. 2023



GUEST LECTURE ON "GROUP DISCUSSIONS, PERSONAL INTERVIEWS AND HIGHER EDUCATION"

Expert lecture on "Group Discussions, Personal Interviews and Higher Education" is organised by Electrical Engineering Department on dated 11.02.2023 for the students of 2nd year. Program started with the felicitation and introduction of expert by Prof. Avinash S.Welankiwar, Assistant professor, Electrical Engineering Department. Mr.Deepankar Banik focused on various shortcut techniques to solve aplitude questions in less than one minute time. Also He introduced various current topics for group discussions. This activity is coordinated by Mr. Avinash Welankiwar.



TRAINING PROGRAM ON "LEADERSHIP" FOR STUDENTS COUNCIL

Training Program on "Leadership skills" for Students council was held between 09-02-2023 To 11-02-2023. From 3rd year 6th sem, Mr.Tanmay Bokde, Mr.Siddhesh Khilekar and Mr. Punit Gharpure have attended this program. Objective of this program was to develop leadership and coordination skills of the students. Expert for this progam was Mr Tushar Muley, Lead Consultant Training And Development at GLOBAL EDUCATION LIMITED and Indian Society of Training & Development.





EXPERT LECTURE ON “INTERNSHIP STUDY & EMPLOYMENT POSSIBILITIES IN GERMANY” BY MR. DHEERAJ DAY

Expert lecture on “Internship study and employment possibilities in Germany” is organised by T&P Department for Electrical Engineering students on dated 14.02.2023. Program started with the felicitation and introduction by Dr.Rahul Pethe, Dean T & P. Mr. Dheeraj Day in this lecture focused on the developing scenarios in electric vehicle ,various policies of government, various way to find Opportunity in Germany. This activity is coordinated by Mr.Yogesh Ikhe.





EXPERT LECTURE ON "CYBER PHYCHOLOGY & DARKER SIDE OF SOCIAL MEDIA PLATFORMS" BY DR. RAKESH KRIPLANI

Expert lecture on “Cyber Psychology and Darker side of Social Media Platforms” is organised by Electrical Engineering Department on dated 27.02.2023 for the students of Electrical Engineering Department. Program started with the felicitation & introduction by Dr. Bhupendra Kumar, HOD, Electrical Engineering Dr. Rakesh Kriplani in this lecture focused on the Various personality based developments in human generations from 1960 to 2010. Later he linked it up with various easily prone cyber threats. He has also discussed various online platforms like FACEBOOK, Instagram, and darknet. He has given special safety tips to girls students regarrding photo and other selfie uploads. All the faculties have attended the expert Lecture. This activity is coordinated by Mr. Avinash Welankiwar.





EXHIBITION ON "BEST FROM WASTE" UNDER RENEWABLE CLUB & IEI STUDENT CHAPTER

Renewable Club on the occasion of national science day organized an Exhibition on theme "Best from Waste" on 28/02/2023 for UG students, G H Raisoni Institute of Engineering and Technology, Nagpur. The objectives of this competition is, To develop the ability to think and organize the thinking to create something useful from waste material, further Developing the sense of using ecosystem. This event is actively participated by 45 students of our campus. Students created models from different waste materials. This activity is coordinated by Mr. Yogesh Ikhe.





SHIVJAYANTI CELEBRATION





On 17th Feb. GHRIET has celebrated Chatrapati Shivaji Maharaj Jayanti. Students and from Electrical Engg. Dept. have enthusiastically participated in this event.

PARTICIPATION OF 6TH SEM EE STUDENTS INTO NATIONAL STUDENTS PARLIAMENT AT GHRCE, NAGPUR

Mr.Gaurav Kidey and Ms. Chetana Dighore from 6th sem EE has participated into National students parliament GHRCE, Nagpur held on 24th and 25th march 2023.





ELECTRICA 2K23 UNDER TECHKRUNCH







Dept. of Electrical Engineering, G H Raisoni Institute of Engineering & Technology, Nagpur has organized activity "ELECTRICA 2K23" under TECHKRUNCH on 28th and 29th March 2023. This was the two days state level TechFest. Inauguration of this program was done by Hon. Director Dr. Vivek Kapur, Dr. Achal Shahare, Registrar Dr. Bhupendra Kumar, HOD EE. Four nos. of activities were conducted out of two activities were scheduled on each day. On Day 1, 28th March, EYESPOT & Techno Hunt were conducted. On Day 2, 29th March, Model Making Competition & Poster Making Competition were conducted. 200+ participation was received for various activities under ELECTRICA 2K23. Cash prizes of Rs. 6000 were given to the winners of all the activities. This activity is coordinated by Mr. Avinash Welankiwar & Mr. Yoghes Ikhe.

ACHIEVEMENTS AT ANTARAGNI 2K23




Team Electrical Engineering got First prize for RAJASTHAN theme in 'SUBRANG', Runner up prize in Tug of War in Annual social Gatherting ANTARAGNI 2K23. Ms Renuka Mudholkar, 6th sem EE has got 2nd prize in Tatoo Making Competition

VISIT TO KHAPERKHEDA THERMAL POWER PLANT



Electrical Engineering Dept. of G H Raisoni Institute of Engineering & Technology, Nagpur, organized Industrial visit to Thermal Power Plant, Khaperkheda for students of B.Tech. 4th semester (Regular + DSY) on date 21/04/2023 for 51 no of students . Mr. Kiran Raut and Ms. Rashmi Phasate, Assistant professor, Electrical Engg. Dept. has attended this visit. The objective of the visit was to introduce the students to energy generation by combustion of coal and also various stages involved in power generation plant. This activity is coordinated by Mr. Kiran Raut

EXPERT LECTURE ON "THERMAL POWER PLANT AUXILIARIES & OPERATION"



Expert lecture on "Thermal power plant Auxiliaries & Operation" is organised by Electrical Engineering Department on dated 13.04.2023 for the students of Electrical Engineering Department. Program started with the introduction by Mr. Kiran Raut, Assitant professor of Electrical Engineering Department and the faliciataion done by Dr. Bhupendra kumar, HOD, EE. Mr. Pusrushottam Shende, Dy. Exe. Engineer in this lecture focused on the power generation and its auxilaries used in power station. Practical approach of thermal power plant operation discussed with student. At the end of the session doubt session was conducted. This activity is coordinated by Mr. Kiran Raut.

STUDENTS PARTICIPATION IN DIPEX COMPETITION AT SIPNA ENGINEERING COLLEGE, AMRAVATI

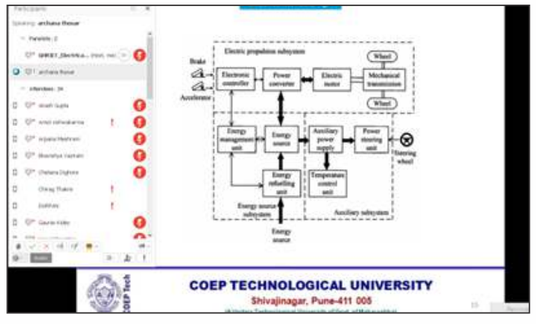


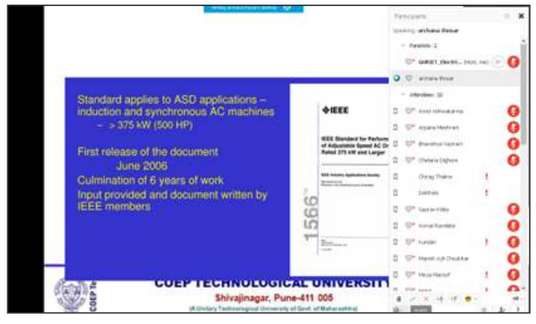
Final year project guided by Ms.Rashmi Phasate, titled "Smart Shoe for Flat Feet" by Mr. Ankit Chawre, Ms. Gayatri Misal, Mr. Dipesh Yewle, Ms. Pallavi Thawre has participated in Dipex Project Competition At Sipna Engineering College, Amravati.

EXPERT LECTURE ON "INDUSTRIAL APPLICATIONS OF ELECTRIC DRIVES" BY DR. A. G. THOSAR, COE, PUNE

Expert lecture on "Industrial applications of Electric Drives" is organised by Electrical Engineering Department on dated 09.05.2023 for 6th semester students. This session is conducted in online mode on CISCO WebEx plastform. Session was started with the felicitation and introduction by Mr. Avinash S. Welankwiar.

Dr. A. G. Thosar in this lecture, focused on the Basics of Electrical drives. She also have highlighted sustainable developments and designs of Electric vehicles. She advised the students to understand IEEE standard 1566 applicable for Adjustable Speed Drives. This activity is coordinated by Mr. Avinash Welankiwar.





PARENT TEACHER MEET

Parent Teacher Meet is conducted on 29.04.2023 by Dept. of Electrical Engineering. This activity is coordinated by Mr.Yogesh Ikhe.





AWARENESS SESSION ON "ENERGY CONSERVATION" BY DR. BHUPENDRA KUMAR, HOD, EE





Awareness Session On “Energy Conservation” By Dr. Bhupendra Kumar, HOD, EE is conducted on 17.04.2023 for First year Engineering Students. This session is particularly held to aware first year students for Energy Literacy which is the need of the time.

FAREWELL FUNCTION FOR FINAL YEAR STUDENTS (2019-23 BATCH)

On 6th June 2023, Dept. of Electrial Engg organized FAREWELL function for final year students of 2022-23. Many entertaining activities are enjoyed by final year students. 4th sem students prepared a memorable video for final year students to cherish their memories & many more fun activities. This activity is coordinated by Mr. Kiran Raut.







8th BoS offline Meeting







8th BoS meeting is conducted on 17th June 2023 at Dept. of Electrical Engineering under the chairmanship of Dr. Bhupendra Kumar, HoD, EE. Primary agenda of this meeting was Discussion and approval of revised scheme as per NEP 2020 and approval of 1st and 2nd semester syllabus as per NEP 2020. Dr. Kishore Chatterjee, Professor, EE Dept., IIT Bombay, Dr. M. R. Ramteke & Dr. P. S. Kulkarni Professor, EE Dept., VNIT Nagpur as Subject Experts, Ms. Samikhsa Mahajan, Trainee, at Mahindra & Mahindra, Nagpur as Alumni Representative, Mr. Khushal Manik as Student Representative, and Mr. Kiran Raut, Ms. Rashmi Phasate and Mr. Avinash Welankiwar as Members and other faculty members of the department were present for this meeting.

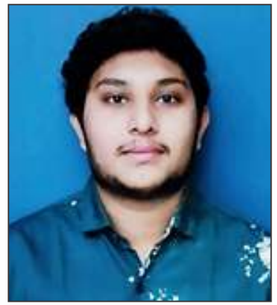
PLACEMENT



Aditya Bhad
DXC Technologies
4.2 LPA



Disha Raut
Planet Spark
6.5 LPA



Kushal Manik
Selec Controls Pvt. Ltd.



Nisha Yadav
DXC Technologies
4.2 LPA



Prajwal Gajbhiye
Adani Electricity
6.5 LPA



Sakshi Marodkar
L&T technology services
4 LPA



Suvarna Metangale
KEC Internationa
4 LPA



Vinay Choudhary
Adani Electricity
6.5 LPA



Yash Salame
Adani Electricity
6.5 LPA

STUDENTS ACHIEVEMENTS

Sr. No.	Name of Student	Name of Activity	Achievement
1.	Mr.Ritik Tembhurne (4th Year)	GRE Examination	Qualified with score 318/340
2.	Mr.Ankit Chawre (4th Year)	Clean and green energy quiz competition	Winner
3.	Mr. Vinay Choudhary (4th Year)	EYESPOT under FLASHOVER Forum	Winner
4.	Sakshi Tulankar (2nd Year)	"SUBRANG" under ANTARAGNI 2K23	1st Prize
5.	Vaishnavi Kamble (3rd Year)		
6.	Achal Baladhare (3rd Year)		
7.	Chetana Dighore (3rd Year)		
8.	Dipak Ralbandiwar (3rd Year)		
9.	Karishma Bhutange (3rd Year)		
10.	Monika Tekam (3rd Year)		
11.	Prachi Thakre (3rd Year)		
12.	Snehal Nikam (3rd Year)		
13.	Vaishnavi Kamble (3rd Year)	"Best from Waste" under RENEWABLE CLUB	1st Prize
14.	Saish Charlikar (3rd Year)		
15.	Kalash Meshram (2nd Year)	"TUG OF WAR" under ANTARAGNI 2K23	Runner Up
16.	Aditya Tupkar (2nd Year)		
17.	Himanshu Sarode (2nd Year)		
18.	Saish Charlikar (3rd Year)		
19.	Bhavishya Vazirani (3rd Year)		
20.	Kaushik Thakre (3rd Year)		
21.	Rohit Ade (3rd Year)		
22.	Sachin Dadhe (3rd Year)		
23.	Shyam Wanjari (3rd Year)		
24.	Dvesh Kinake(3rd Year)		
25.	Arpana Meshram (3rd Year)	Techno-Hunt under ELECTRICA 2K23	1st Prize
26.	Chaggan Dawre (3rd Year)	Techno-Hunt under ELECTRICA 2K23	2nd Prize
27.	Kaushik Thakre (3rd Year)		
28.	Sameer Kuldeep Raja (3rd Year)		
29.	Dvesh Kinake (3rd Year)	"Hand & Feet" under DATATRON	1st Prize
30.	Pranay Dakhate (3rd Year)	QMACK Down under FF-ARTIFIX	1st Prize
31.	Renuka Mudholkar (3rd Year)	Tatoo Making Under ANATARAGNI 2K23	2nd Prize
32.	Saish Charlikar (3rd Year)	Parodox under Creativity Club	1st Prize
33.	Aditya Tupkar (2nd Year)	Quiz Competition	Winner

STUDENTS PUBLICATIONS

Group No	Author Names	Guide Name	Title Of Paper	Journal Name	Volume	Publication Date & Year
G1	Prajwal Gajbhiye Vinay Choudhary Khushal Manik Yash Salame Disha Raut Achal Ranpise	Dr. Bhupendra Kumar	Automatic Solar Panel Cleaning System	International Research Journal of Modernization in Engineering Technology & science	Vol.5	16/01/2023
G2	Nisha Yadav Payal Nikam Suvarna Metangale Tejas Kshirsagar Yash Wankhede	Mr. Kiran Raut	Battery / Super Capacitor Hybrid Based Electric Vehicle	IJSREM	Vol.6	12/12/2022
G3	Shreyas Borkute Ishika Motghare Rajat Kawade Shreyas Mandaokar Yash Wat Priya Jivtode	Mr. Avinash Welankiwar	Assessment & Estimation of Losses In Distribution System	International Research Journal of Modernization in Engineering, Technology & Science	Vol.4	30/12/2022
G4	Vicky B. Tembhurne Shubham G. Borule Shubham K. Ramteke Mukesh S. Bhatkar Mohit V. Tamgadge	Mr. Yogesh Ikhe	Grenn House Environment Monitoring And Controlling System	IJRESM	Vol.5, issue 12	12/12/2022
G5	Rohini Sutey Shivani Kamble Abhishek Labhane Rushikesh Sonare Ritik Tembhurne	Dr. Tarun Shrivastava	Weight Based Object Sorting Automation System Using Iot Based Application	International Journal of Research in Applied Science & Engineering Technology (IJRASET)	11, ISSUE -1	01/01/2023
G6	Ankit Chawre Dipesh Yewle Rushikesh Lade Gayatri Misal Pallavi Thaware	Ms. Rashmi S. Phasate	Smart Shoes For Flat Feet	International Research Journal of Scientific research in engineering & management	Volume 6, Issue 12 ISSN 2582-3930	12/12/2022

G-7	Laxmikant Meshram Vinit Rathod Satish Shendre Rahul Rambhad Umesh Gadge	Mr. Chetan Kidle	Smart Substation Monitoring & Control System	International Research Journal of Modernization in Engineering Technology & Science	Volume 4 Issue 12	25/12/2022
G8	Ankit Tayde Abhishek Pillai Neha Somkuwar Aasha Dongare Vaishnavi Shahare	Miss Rashmi S. Phasate	Smart Protection & Monitoring System For Home Distribution	International Research Journal of Scientific research in engineering and management	Volume 6, Issue 12 ISSN 2582-3930	30/12/2022
G9	Sakshi Marodkar Mohit Randale Nayan Kanfade Akhilesh Ghode Shantanu Jadhav	Mr. Kiran Raut	Simulation of Hybrid Electric Vehicle Using Solar and Wind With MATLAB	International Research Journal of Scientific research in engineering & management	Volume-07 ISSN 2582-3930	01/01/2023
G10	Gaurav Ramteke Ashish Bonde Aditya Bhad Harshal Bawane Harsh Chahande	Mr. Avinash Welankiwar	Iot Based Underground Fault Detection & Locator System	International Research Journal of Modernization in Engineering, Technology & Science	Volume-4	12/12/2022
G 11	Samiksha Wani Shashikant Dhutraj Vinay Thool Rutika Jambhukar Prajwal Raut	Dr. Bhupendra Kumar	Energy Consevation Bi Directional Visitor Counter	International research Journal of Engineering and Technology (IRJET)	Volume-9 ISSUE 12	31/12/2022
G 12	Sumedh Ghayal Yamini Bawnthade Swapnil Sonkamble Saurabh Katore Megha Gedam	Dr. Tarun Shrivastava	Iot Based Sensor Network For Crack & Bend Monitoring In Railway Track	International Journal of Research in Applied Science & Engineering Technology (IJRASET)	Volume 10, Issue XII,	December 2022

Faculty Participations in Workshops, FPD, STTP ETC.

Dept.	FDP	STTP	Workshop	Webinar	Paper Publication	Copyright	Patent	NPTEL Certification
EE	13	08	10	08	12	04 (Submitted) 03 (Registered)	01	33

NPTEL Certifications

Sr. No.	Name of Faculty/ Student	Name of Course	Certification Status
1	Ms.Rashmi Phasate	Smart Grid: Basics to advance Technologies	Elite
2		Integrated Marketing Communication	Elite + Silver
3	Mr. Avinash Welankiwar	Advances in UHV Transmission & Distribution by IISc Bangalore	Successfully Completed
4	Abhishek Sanjeevan Pillai	IC Engines and Gas Turbines	Successfully Completed
5	Aditya Milind Bhad	Leadership and Team Effectiveness	Elite+Silver
6	Ankit Rajesh Chawre	IC Engines and Gas Turbines	Elite
7	Dipesh Ashok Yewle	IC Engines and Gas Turbines	Elite
8	Gayatri Sanjay Misal	IC engine and Gas turbine	Successfully Completed
9	Harsh Sidharth Chahande	Integrated Marketing Communication	Successfully Completed
10	Harshal Sanjay Bawane	Integrated Marketing Communication	Successfully Completed
11	Khushal Sajjankumar Manik	Integrated Marketing Communication	Elite+Silver
12	Mohit Vijay Tamgadge	Integrated Marketing Communication	Elite
13	Mukesh Shriram Bhatkar	Integrated Marketing Communication	Elite
14	Neha H. Somkuwar	IC Engines and Gas Turbines	Successfully Completed
15	Nisha Rakesh Yadav	Integrated Marketing Communication	Elite
16	Pallavi Mangal Thaware	Integrated Marketing Communication	Elite
17	Payal Shankrrao Nikam	Integrated Marketing Communication	Successfully Completed
18	Prajwal Prakash Gajbhiye	Integrated Marketing Communication	Successfully Completed
19	Priya Raju Jivtode	Hydraulic Engineering	Successfully Completed
20	Rahul Rameshwar Rambhad	Integrated Marketing Communications	Successfully Completed
21	Rushikesh Dnyaneshwar Lade	Integrated Marketing Communication	Elite
22	Sakshi Rajendra Marodkar	Programming In Java	Elite+Silver
23	Samiksha Rajendra Wani	Integrated Marketing Communication	Successfully Completed
24	Satish Ramchand Shendre	Integrated Marketing Communication	Successfully Completed
25	Shubham Gopal Borule	IC Engine and Gas turbine	Successfully Completed
26	Suvarna Diwakar Metangale	IC Engine and Gas turbine	Successfully Completed
27	Tejas Sanjay Kshirsagar	IC Engine and Gas turbine	Successfully Completed
28	Vicky Bhagwat Tembhurne	Integrated Marketing Communication	Elite+Silver
29	Vinit Sheshrao Rathod	Integrated Marketing Communication	Successfully Completed
30	Yash Vishwas Salame	Integrated Marketing Communication	Successfully Completed
31	Yashkumar Sevakdas Wankhede	IC Engine and Gas turbine	Elite
32	Sidhhesh Khilekar	Advances in UHV Transmission & Distribution by IISc Bangalore	Elite
33	Saish Charlikar	Integrated Marketing Communication	Successfully Completed

COPYRIGHTS

Sr. No.	Name of Faculty	Title	Status
1.	Mr. Avinash Welankiwar	Literary Work "Fundamentals of DC Machines " with ROC L-121359/2023	Registered
2.	Mr. Yogesh Ikhe	Literary Work "Thyristor characteristics and applications" with Diary Number: 20900/2022-CO/L	Registered
3.	Mr. Chetan Kidile	Literary Work "automatic Solar Water Pumping System For Smart Irrigation" with ROC 2451/2023-CO/L	Registered

FACULTY ACHIEVEMENTS

Name of Faculty	Achievements
Dr. Bhupendra Kumar	1. Design patent Published on "STREET LIGHT SYSTEM" dated 22/12/2022 with reg. no. 375924-001 2. Working as a Technical Program Committee for 2023 Asia Conference on Electronics, Circuits, Systems and SignalProcessing (ECSSP 2023) will be held in Kunming, China during August 25-27, 2023. 3. Working as a Technical Program Committee for the International conference on Electronics, Computers and Communication Technology 2023, will be held in Guilin China During November 17-19 2023 4. Worked as a Reviewer for international Conference on Advanced Computing Technologies and application 2023 Will be held in India on 6-7 October 2023 5. Worked as a Session Chair for a DST- SERB sponsored international conference on emerging trends in Smart Grid, Renewable Energy and Electric Vehicle Technologies 2022 held during 27-29 December 2022.
Ms. Rashmi Phasate	1. Design patent Published on "STREET LIGHT SYSTEM" dated 22/12/2022 with reg. no. 375924-001 2. Completed NPTEL Course of Integrated Marketing Communication with Elite+Silver Certification 3. Completed NPTEL course of Smart Grid-Basic to Advance with Elite Certification 4. Mentor for NPTEL course "Integrated Marketing Communication" Jan-Apr 2023
Mr.Kiran Raut	1. International conference paper published with title "Energy Storage Technologies for Hybrid Electric Vehicles," 2022 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES), Jaipur, India, 2022, pp. 1-4, doi: 10.1109/PEDES56012.2022.10080184.
Mr.Avinash Welankiwar	1. Design patent registered on "STREET LIGHT SYSTEM" dated 22/12/2022 with reg. no. 375924-001 2. Delivered Expert session on "Network Analysis" at GNIET, Nagpur on 28/01/2023
	3. Delivered Expert session on "Introduction to Wide area Measurement systems & challenges in Adaptive Protection in Smart Grid" at FDP on "Recent Advances in Electrical Engg" at JDCOE, Nagpur on 28/04/2023 4. Registered Copyright on Literary Work "Fundamentals of DC Machines" with ROC L-121359/2023 5. Successfully completed NPTEL course "Advances in UHV transmission and Distribution" conducted by IISC Bangalore between July-Sept.2022 6. Mentor for NPTEL course "IC Engines and Gas Turbines" Jan-Apr 2023
Dr. Tarun Shrivastava	1. Design patent registered on "STREET LIGHT SYSTEM" dated 22/12/2022 with reg. no. 375924-001
Mr.Yogesh Ikhe	1. Registered Copyright on Literary Work "Thyristor characteristics and applications" with Diary Number: 20900/2022-CO/L. 2. Delivered a session on "Testing of Electronic Components" at Skill enhancement training program for technical/supporting staff at GHRIET, Nagpur on 04/01/2023.
Mr.Chetan Kidile	1. Registered Copyright on Literary Work "automatic Solar Water Pumping System For Smart Irrigation" with ROC 2451/2023-CO/L

ART GALLERY



Ms. Vaishnavi Kamble
(3rd Year EE)



Ms. Aishwarya Mankar
(2nd Year EE)



Ms. Vaishnavi Kamble
(3rd Year EE)



Mr. Prashil Gajbhiye
(3rd Year EE)



Mr. Prashil Gajbhiye
(3rd Year EE)

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