



Gyan Ganga
Institute of Technology & Sciences
Jabalpur (M.P.)

**GYAN
GANGA**
GROUP OF INSTITUTIONS
Committed for Excellence



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Department of
Electrical & Electronics Engineering

📍 P.O. Tilwara Ghat, Bargi Hills, Jabalpur, Madhya Pradesh Pin No. - 482003

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PREFACE

The Department of has recorded consistent improvement in its academic, research, and placement performance. Department offers a range of innovatively designed programmes whose curricula are constantly updated to meet the changing requirements of the industry and also meet the needs of major stakeholders.

When publishing these newsletters, the only thing we had in mind was that they should reflect the outlook of the department in all aspects. Hereby, we, the editors, take the responsibility of ensuring the continuity of the issues in the years to come with improvements and richness every time. We are pretty sure that you will get a lot of useful information from it.

The department publishes the following newsletters and technical magazines. The departmental newsletter has four issues in a year; issue 1 publishes in the month of September, issue 2 publishes in the month of December, issue 3 publishes in the month of March, and issue 4 publishes in the month of June. Technical Magazine publishes one per year, i.e., in June of every year. The editorial board for both is common; there are four student members (one from each semester) and three faculty members on the editorial board.

MISSION AND VISION OF THE INSTITUTE

Vision of Institution :



- Initially to seek autonomy and eventually grow the Institute into a renowned University by:
- Imparting the best technical and professional education to the students of the Institute.
- Developing all the Departments of the Institute as Centers of Excellence.
- Creating the most congenial and cordial environment of Teaching, Learning and Research in the Institute.
- Conceiving world – class Education, Ethics and Employability for students in global perspective.

Mission of Institution :



To explore and ensure the best environment to transform students into creative, knowledgeable, principled engineers and managers compatible with their abilities in ever-changing socio-economic and competitive scenario by :

- Imparting intensive teaching and training through latest technology
- Motivating the teachers for higher learning and innovative research activities with social services.
- Generating maximum opportunities for placement of students in National, Multi-National companies and nurturing entrepreneurship quality.
- Producing highly intellectual citizens through technical education to constitute an elegant society and meeting social challenges.

MISSION AND VISION OF THE DEPARTMENT

Vision of Department:

“The Department of Electrical and Electronics Engineering aims to achieve excellence by providing high quality teaching and learning process, inculcating ethical and moral values, innovation and research to produce skilled technocrats to meet the needs of the society.”

Mission of Department:

The Department aims to realize the Vision through the following Mission by:

- Providing a quality engineering education by implementation of latest technologies and processes.
- Creating opportunities to carry out research and innovation and understand the importance of lifelong learning.
- Organizing student centric programs, trainings and make them employable in national and multinational organizations.
- Preparing them to be successful engineers and train them to provide sustainable solutions to the industry and society.





EVENTS ORGANIZED BY THE DEPARTMENT

EDITORIAL

FROM PRINCIPAL DESK



It is a matter of great pride and satisfaction for GYAN GANGA INSTITUTE OF TECHNOLOGY & SCIENCES to bring out the News Letter 'Ele-Xpress' released from the Department of Electrical & Electronics Engineering. The College has made tremendous progress in all areas of academic, non-academics, capacity building relevant to staff and students.

I am confident that this issue of Department's News Letter will send a positive signal to the staff, students and the person who are interested in the Technical education and Technology based activities.. I congratulate the Editorial Board of this News Letter who have played wonderful role in accomplishing the task in record time. I express my deep sense of gratitude to Dr. Ruchi Pandey, HOD Department of Electrical & Electronics Engineering under whose guidance this Technical news letter has been undertaken and published within the stipulated time. Also my heartfelt Congratulations to staff members and Students for their fruitful effort. With Best Wishes

FROM HOD'S DESK



It gives me great pleasure to congratulate students, teachers and staff of Department of Electrical And Electronics Engineering for the publication of newsletter "Ele-Xpress". It is a technical platform to bring out the hidden talents of students and faculty. The major strength of the department is a team of well qualified and dedicated faculties who are continuously supporting the students for their academic excellence. Newsletter is believed to be a focus of the inside activities i.e. academics, students and faculty achievement as well as innovation occurring in the department. We have arranged several activity (academic & other) for our 2nd, 3rd and 4th year students during 1st April to 30th June 2023.



Expert Talk:

- Guest Lecture on “Leveraging distributed machine learning for IoT Related Problems in Electrical Engineering: A Drone Perspective” delivered by Mr. Aizaz Timrizi, Project Manager, Technical Head & Project Engineer, Sofcon India Pvt. Ltd. Indore dated on 24/06/2022.
- A Seminar by on “Placement Awareness” delivered by Mr. Prabhakar Managing Director OPTUS, ED Tech Solution dated on 26/05/2022.
- Expert Lecture on “Role of AI in Smart Electrical grid Empowering Social Life” delivered by Dr. Ashok Tiwari, Head CTI, MPPDCL, Jabalpur dated on

Other Activity

- Celebrated Open day dated on 05/06/2023.
- Industrial Visit “Coca Cola Plant Richai Industrial area Jabalpur” dated on 04/06/2022



Industrial Visit Coca Cola plant

- Industrial Visit of SCADA center & 220 KV Substation Nayagaon, Jabalpur dated on 23/04/2022.





ACHIEVEMENTS

PAPER PUBLICATION :

- Dr Rajeev Kumar Chauhan published a paper “**Coordinated Multistage Expansion Planning Of Distribution Network**” on AICTE Sponsored International Conference On Electrical Engineering And Multidisciplinary Research (ICEEMR 2022) , ISBN 978-93-91930-06-6, dated on June, 2022.
- **Mrs. Ritu Sharma** published a paper “**Role Of Artificial Intelligence In Power Electronic Circuit**” on International Conference On Science & Innovative Engg. In Association With Jawahar Engg. College Chennai dated on June 2022.
- **Mrs. Parul Sharma** published a paper “**Role Of Artificial Intelligence In Power Electronic Circuit**” on International Conference On Science & Innovative Engg. In Association With Jawahar Engg. College Chennai dated on June 2022.
- Mrs. Rashi Goswami published a paper “**Power Quality Improvement Of DC Drive By Reduction Of Circulating Current Using IOT**” on International Journal Of Recent Research In Electrical And Electronics Engineering (IJRREEE) Vol. 8, Issue 1 dated on June 2022.

RESULT: SESSION (JAN-JUN 2022)

- In the month of June 2022, RGPV Bhopal declared the result of VIII and VI semester.
The following students of department secure the positions of 1st, 2nd & 3rd.

VIII Semester

1. Shalini Choubey	(0206EX181041)	9.49 CGPA
2. Aanchal Kesarwani	(0206EX181001)	9.32 CGPA
3. Ojasva Choubey	(0206EX181029)	9.17 CGPA

VI Semester

1. Raksha Patle	(0206EX191032)	8.92 SGPA
2. Akshat Jain	(0206EX191006)	8.67 SGPA
3. Surbhi Shrivastava	(0206EX191050)	8.42 SGPA



PLACEMENTS:

From 1st April to 30 June 2022, following Students was selected the various company.

S.no.	Name of the student placed	Enrollment no.	Name of the Employer	Appointment letter reference no. with date
1	Ayush Dwivedi	0206EX181012	Pyramid It Consulting (P) Ltd.	Mail, Dated Apr. 07, 2022
2	Atharva Tiwari	0206EX181011	Dhoot Transmission (P) Ltd.	Mail, Apr. 29, 2022
3	Deepak Yadav	0206EX181016	Dhoot Transmission (P) Ltd.	Mail, Apr. 29, 2022
4	Raju Kushwaha	0206EX181037	Dhoot Transmission (P) Ltd.	Mail, Apr. 29, 2022
5	Sujeet Patel	0206EX181049	Dhoot Transmission (P) Ltd.	Mail, Apr. 29, 2022
6	Umendra Kumar Shah	0206EX181051	Dhoot Transmission (P) Ltd.	Mail, Apr. 29, 2022
7	Pallavi Kartikeya	0206EX181030	DHL	Offer And Mail, May 12, 2022
8	Prateek Bhalelu	0206EX181034	DHL	Offer And Mail, May 12, 2022

Faculty :-

1. Dr Ruchi Pandey
2. Prof. Shalini Vaishya
3. Prof. Ashok Soni

Students :-

1. Shalini Choubey
2. Khushboo Agrawal
3. Shivahans Singh
4. Zoukia Akhtar

EDITORIAL TEAM