



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

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

“Ele-Xpress”

Volume 5, Issue 4
June 2023



*Department of
Electrical & Electronics Engineering*

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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.



**Department of
Electrical & Electronics Engineering**



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.



EVENTS ORGANIZED BY THE DEPARTMENT

Seminar

- One day seminar on "Control of plastic Waste and its management strategies for Environmental Sustainability" Sponsored by MPCST Bhopal delivered by Dr Ajay Khare Scientist Pollution Control Board Jabalpur dated on 05/06/2023.



Expert Talk:

- Expert talk on "Emerging Trends for Power Generation in India" delivered by Mr Sushil Kumar Pal, MPPGCL dated on 30/05/2023.
- Expert talk on " Oracle Primavera P6- Standard project management software tools used worldwide in Industries, Such as Manufacturing, Construction Energy, O&G and IT Sector" delivered by Dr Ritu Ahluwalia GGITS Jabalpur dated on 10/04/2023.



Other Activity

- Tree Plantation on the occasion of World Environment Day dated on 05/06/2023.



World Environment Day on 05/06/2023

ACHIEVEMENTS

Paper Publication

- Dr Ruchi Pandey Published a Paper Topic “A Review Of “Thermal Performance Analysis Of Parabolic Trough Solar Collectors Using Nano fluids” on International Research Journal Of Modernization In Engineering Technology And Science, Volume : 05/Issue : 05 , E-ISSN: 2582-5208 Dated On May-2023.
- Dr Ruchi Pandey Published a Paper Topic “Rational Of Energy Consumption Of Large – Scale Industries And Saving Opportunities” on International Journal Of Emerging Technologies And Innovative Research (JETIR), Volume 9 Issue 11 , ISSN: 2349-6002 Dated On April 2023.
- Dr Ruchi Pandey Published a Paper Topic “Harmonics – Causes, Affects & Mitigation Techniques” on Journal Of Emerging Technologies and Innovative Research (Jetir) , Volume 10, Issue 4 ISSN-2349-5162 Dated On April 2023.
- Dr Rajeev Kumar Chauhan Published a Paper Topic “Direct Load Control Scheme For Flexible Loads Under Automated Demand Response Program For Peak Demand Management, Loss Minimization, Asset Management, And Sustainable Development” on Recent Advances In Electrical & Electronic Engineering, Journal Volume 16, Issue 5 ISSN (Print): 2352-0965 ISSN (Online): 2352-0973 dated on May-2023.
- Mr. Anand Goswami Published a Paper Topic “Harmonics- Causes, Affects & Mitigation Techniques” On Journal Of Emerging Technologies And Innovative Research (JETIR) , Vol 10 Issue 4 ISSN : 2349-5162 Dated On May 2023.
- Mr. Anand Goswami Published a Paper Topic “Rational Of Energy Consumption Of Large-Scale Industries And Saving Opportunities” on International Journal Of Innovative Research In Technology (IJIRT) , Volume 9 Issue 11 ISSN : 2349-6002 dated on Apr 2023
- Mrs. Parul Sharma Published a Paper Topic “Electric Vehicles Charging System For Fast And Safe Charging Using LSTM Based Gradient Boosted Regression Tree” on ICSCSS Will Be Held On 14-16, June 2023, In Hindusthan College Of Engineering And Technology (HICET) Coimbatore, India., ICSCSS – 245 dated on June, 2023.
- Mr. Amit Gupta Published a Paper Topic “Harmonics- Causes, Affects & Mitigation Techniques” on Journal Of Emerging Technologies And Innovative Research (JETIR), Vol 10 Issue 4 ISSN 2349-5162 dated on Apr 2023.
- Mr. Amit Gupta Published a Paper Topic “Rational Of Energy Consumption Of Large-Scale Industries And Saving Opportunities” on International Journal Of Innovative Research In Technology (IJIRT) , Vol 9 Issue 11 ISSN 2349-6002 dated on Apr 2023

RESULT: SESSION (JAN-JUN 2023)

- In the month of June 2023, 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. RAKSHA PATLE	(0206EX191032)	9.32 CGPA
2. AKSHAT JAIN	(0206EX191006)	9.15 CGPA
3. ROBIN MASHI	(0206EX191035)	8.92 CGPA

VI Semester

1. SHIVAHANS BAHADUR SINGH	(0206EX201043)	8.42 SGPA
2. SHIVANAND DWIVEDI	(0206EX201046)	8.42 SGPA
3. RITESH PATEL	(0206EX201035)	8.25 SGPA

RESULTS



EDITORIAL TEAM

Faculty :-

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

Students :-

1. Khushboo Agrawal
2. Shivahans Singh
3. Zoukia Akhtar
4. Tanish Chourasiya



PLACEMENTS:

- From 1st April to 30 June 2023, 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	AKSHAT JAIN	0206EX191006	Bureau Veritas	Mail, Apr. 08, 2023
2	KHUSHBOO AGARWAL	0206EX191020	Bureau Veritas	Mail, Apr. 08, 2023
3	MEGHA MASHRAM	0206EX203D03	Bureau Veritas	Mail, Apr. 08, 2023
4	VANSHITA NAGWANSHI	0206EX191052	Bureau Veritas	Mail, Apr. 08, 2023
5	KARAN SINGH THAKUR	0206EX203D01	Shriram Finance	Mail, Apr. 13, 2023
6	PIYUSH CHOURASIA	0206EX191030	Shriram Finance	Mail, Apr. 13, 2023
7	SAJAL BARMAN	0206EX191036	Shriram Finance	Mail, Apr. 13, 2023
8	SANDEEP SAHU	0206EX191039	Shriram Finance	Mail, Apr. 13, 2023
9	KRUTIN KUMAR MOHANTY	0206EX191021	AV_Services	Offer, June 10, 2023
10	NISHALI GHOSHI	0206EX203D04	AV_Services	Offer, June 10, 2023
11	SOURAV KATARYA	0206EX191049	AV_Services	Offer, June 10, 2023