



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

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

“Ele-Xpress”

Volume 3, Issue 2
June 2021

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.





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 latter 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.



Department of
Electrical & Electronics Engineering

EVENTS ORGANIZED BY THE DEPARTMENT

EXPERT TALK:

- Expert Lecture on "**Information Security in Electrical Power System**" delivered by Dr. Vivek Chandra, GM & Head IT MPPKVVCL, Jabalpur dated on 03/04/2021.
- Expert Lecture on "**Recent Trends & Future Aspects of Smart Grid**" delivered by Dr Ashok Kumar Tiwari Course Director and GM (Training) at CTI MPPKVVCL Jabalpur dated on 20/03/2021.

OTHER ACTIVITY

- Workshop on "**Design of PCB & application of IOT**" delivered by Mr. Vivek Singh, Engineer, Jabalpur Incubation Center, Jabalpur dated on 21/01/2021 to 23/01/2021

ACHIEVEMENTS

PAPER PUBLICATION :

- Dr Ruchi Pandey published a paper "**An analytical approach on solar radiation concept for energy arrivals resources for power quality improvement: a review**" on Accent Journal Of Economics Ecology & Engineering, Vol. 14, No. 01, (2021),_ISSN NO. 2456-1037 dated on 2021.
- Dr Ruchi Pandey published a paper "**Analytical Evaluation Of Weibull Distribution With Climate Changes In Wind Speed Distribution**" on International Journal Of Grid And Distributed Computing, Vol. 14, No. 01, (2021), pp.1409-1418 ISSN: 2005-4262 (ONLINE) dated on 2021.
- Dr Pawan Kumar Pandey "**Pid Controller Based Power Quality Improvement Using Statcom**" on Webology , volume 18 , ISSN 1735-188X dated on 2021
- Dr Pawan Kumar Pandey "**A Review Article Of Hybrid System - Framework Which Prompts Produce Power With Reasonable Expense Without Harming The Nature Balance**" on International Journal of Scientific Research & Engineering Trends , volume 7-6 , ISSN 2395-566X dated on 2021.



BOOKS / BOOK CHAPTERS PUBLICATIONS:

- Dr Ruchi Pandey Published Book Chapter in book titled Intellectual Property Rights and Contemporary Issues in Innovation, Ecosystem, Environmental and Sustainable Development (Book Chapter) by Black Pearl Publications, ISBN No.- 978-93-90975-39-6, Year: 2021, Book Chapter No.- 05, pp 55-60, Title: Conceptual Research on Climate Change, Sustainable Development Goal.
- Dr Ruchi Pandey Published a Book Chapter in book titled Study of Recent Management Practices, ISBN No.:- 978-93-91903-04-6, Year: 2021, Book Chapter No. - 14, pp. 207-217, Title: A Study on Electrical Energy Management Techniques.
- Mr Amit Gupta Published a Book Chapter in book titled Emerging Trends in Science & Technology ISBN No:- 978-81-951982-2-1, Year: June 2021, Title:- Solar PV System published in Bhoomi Publications.



RESULTS



SESSION (JAN-JUN 2021)

VII Semester

1. ASHLEENA SHARLEY AIVEN	(0206EX171014)	9.88
2. DEEPAK KUMAR	(0206EX171019)	9.75
3. MINI KAROLIYA	(0206EX171027)	9.71

V Semester

1. AANCHAL KESARWANI	(0206EX181001)	10
2. NIDHI SINGH CHOUHAN	(0206EX181026)	10
3. SHALINI CHOUBEY	(0206EX181041)	9.96

III Semester

1. RAKSHA PATLE	(0206EX191032)	9.5
2. AKSHAT JAIN	(0206EX191006)	9.5
3. VISHWESH VYAS	(0206EX191055)	9.42

I Semester

1. ATUL SINGH	(0206EX201013)	9.67
2. SHIVAHANS SINGH	(0206EX201043)	9.67
3. RITESH PATEL	(0206EX20103500)	9.57

SESSION (JUL –DEC 2020)

VIII Semester

1. ANAMIKA	(0206EX171008)	9.78
2. SERENE MISHRA	(0206EX171045)	9.61
3. ANKITA	(0206EX171011)	9.44

VI Semester

1. SHALINI CHOUBEY	(0206EX181041)	9.96
2. AANCHAL KESARWANI	(0206EX181001)	9.88
3. NIDHI SINGH CHOUHAN	(0206EX181026)	9.88



PLACEMENTS:

Following Students was selected the various company.

CAYm3 (2019-2020)

S.no.	Name of the student placed	Enrollment no.	Name of the Employer	Appointment letter reference no. with date
1	Kratika Singh	0206EX161024	Lloyd Insulations (I) Ltd	Offer Letter Dated 25/08/2020
2	Mithilesh Kachhi	0206EX161028	Lloyd Insulations (I) Ltd	Offer Letter Dated 25/08/2020
3	Mohammad Uzair Ansari	0206EX161029	Lloyd Insulations (I) Ltd	Offer Letter Dated 25/08/2020
4	Mukul Yadav	0206EX161031	Lloyd Insulations (I) Ltd	Offer Letter Dated 25/08/2020
5	Neeraj Kushwaha	0206EX161032	Lloyd Insulations (I) Ltd	Offer Letter Dated 25/08/2020
6	Rajaram Patel	0206EX161042	Suvidha Engr. India (P) Ltd	Offer Letter Dated 30/07/2020
7	Sagar Gupta	0206EX161047	Suvidha Engr. India (P) Ltd	Offer Letter Dated 30/07/2020
8	Sanchit Mishra	0206EX161048	Suvidha Engr. India (P) Ltd	Offer Letter Dated 30/07/2020
9	Sonal Chourasia	0206EX161052	Universal Cables Ltd	UCL/GEN/20-21/155, 07/08/2020
10	Suryajeet Patel	0206EX161057	Universal Cables Ltd	UCL/GEN/20-21/155, 07/08/2020
11	Agase Rajat Rajababu	0206EX161004	Universal Cables Ltd	UCL/GEN/20-21/155, 07/08/2020
12	Daljeet Singh Virdi	0206EX161014	Universal Cables Ltd	UCL/GEN/20-21/155, 07/08/2020
13	Diksha Patel	0206EX161017	Byju's	Offer, dated Sep. 29, 2020
14	Viha Nigam	0206EX161062	Byju's	Offer, dated Sep. 29, 2020
15	Shivangi Marskole	0206EX161049	HCL TECHNOLOGIES	Offer, dated Sep. 10, 2020
16	Shradha Patel	0206EX161050	HCL TECHNOLOGIES	Offer, dated Sep. 10, 2020
17	Vahini Singam	0206EX161059	HCL TECHNOLOGIES	Offer, dated Sep. 10, 2020
18	Priyesh Choubey	0206EX161040	Kailash Group	KDBIL/2020/1219, dated Aug. 25, 2020
19	Vedprakash	0206EX161060	Kailash Group	KDBIL/2020/1219, dated Aug. 25, 2020

EDITORIAL TEAM

Faculty :-

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

Students :-

1. Ashleena S. Aiven
2. Shalini Choubey
3. Khushboo Agrawal
4. Shivahans Singh