

2022 (ODD SEM-2022-23)
TECH ZETTE
Electronics & Communication Engineering

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worlds



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About THE DEPARTMENT

Department of Electronics & Communication Engineering (EC) of GGITS, Jabalpur offers B.Tech. in Electronics & Communication Engineering with an intake of 120 students and M.Tech. in Communication system with an intake of 18. The department has excellent infrastructure as well as well equipped laboratories so that the students come out with knowledge of latest cutting edge technology in both software and hardware. The department has well experience dedicated faculty members with different specializations.

VISION OF THE DEPARTMENT

To be center of excellence in teaching-learning and employability in various fields of Electronics and Communication Engineering to produce globally competent, innovative and socially responsible citizen.

MISSION OF THE DEPARTMENT

- ☉ To offer high quality graduate and post graduate programs in Electronics and Communication with strong fundamental knowledge and to prepare students for professional career or higher studies.
- ☉ To discover and disseminate knowledge through learning, teaching, sharing, training, research, engagement and creative expression.
- ☉ To foster spirit of innovation and creativity among students, faculty and staff, promote environment of growth, participation in conferences, technical and community services and lifelong learning for all.



MESSAGE FROM THE PRINCIPAL

The fact of launching the “Techzette”-2022 edition by the faculty, staff and students of ECE department of GGITS, Jabalpur gives me immense pleasure. It is indeed a matter of pride and satisfaction having this newsletter which showcases the progress in the areas of academic, extracurricular, faculty and students’ achievements of the department. “Techzette”-2022 is focussed on all sorts of activities undertaken by a department and opens the opportunity to enhance the writing skills among the members. This will not only benefit the students with the information of their departmental achievements but also motivate and aspire others to know the heights achieved by the ECE department. I congratulate the Editorial Board of this News Letter who have played a wonderful role in accomplishing the task in record time. I express my deep sense of gratitude to HOD, Dr. Neeta Nathani for undertaking the task and successful completion of the same. Also my heartfelt congratulations to staff members and students for their fruitful effort. With all my Best Wishes.



MESSAGE FROM THE HOD

I'm pleased to announce that the Department of Electronics and Communication Engineering (ECE) has released its first Newsletter for Academic Year 2022-23, which details the different activities and achievements of our faculty and students. I wish that this would ignite the fires of enthusiasm in students' minds and generate fervour for innovative research ideas among the faculty of ECE. The sole vision of the department is to produce confident technologists with human qualities and Indian ethos. The department provides a great learning environment with a team of highly qualified faculty members to inspire the students to develop their technical skills and inculcate the spirit of team work in them. My best wishes to the Techzette editorial board for continuing to do such excellent work for academia.

Owing this global crisis, the academic boosting activities has now been switched to online mode, During this pandemic time "AICTE" has been aiding us with different e-academic activities, through which we can be benefitted to a great extent, abiding rules of Government and inculcating habits of learning in tough times. These initiatives will prepare us to serves effectively in tough times in a long run. Gyan Ganga Group has always been sincere towards following the guidelines for conducting these events.

STUDENT'S CORNER

- ◆ Aakash Gupta and Esha Sharma secured 3rd position in Model Exhibition and Competition on "Changing Course, Transforming Education" organized by Oriental Institute of Technology, Jabalpur on 24.01.2022.
- ◆ Deepansh Tiwari and Anushree Saha participated in Model Exhibition and Competition on "Changing Course, Transforming Education" organized by Oriental Institute of Technology, Jabalpur on 24.01.2022.
- ◆ Muskan Burman secured 1st position in Essay Writing Competition organized on the occasion of Engineer's Day by the Department of EC, GGITS, Jabalpur in association with IETE, Jabalpur on 15.09.2022.
- ◆ Soumya Dubey secured 2nd position in Essay Writing Competition organized on the occasion of Engineer's Day by the Department of EC, GGITS, Jabalpur in association with IETE, Jabalpur on 15.09.2022.
- ◆ Shruti Singh secured 3rd position in Essay Writing Competition organized on the occasion of Engineer's Day by the Department of EC, GGITS, Jabalpur in association with IETE, Jabalpur on 15.09.2022.
- ◆ Chandra Pratap Singh Rajput secured 1st position in Extempore Competition organized on the occasion of Engineer's Day by the Department of EC, GGITS, Jabalpur in association with IETE, Jabalpur on 15.09.2022.
- ◆ Satwiki Tiwari and Shrishti Singh secured 2nd position in Extempore Competition organized on the occasion of Engineer's Day by the Department of EC, GGITS, Jabalpur in association with IETE, Jabalpur on 15.09.2022.
- ◆ Aakash Yadav secured 3rd position in Extempore Competition organized on the occasion of Engineer's Day by the Department of EC, GGITS, Jabalpur in association with IETE, Jabalpur on 15.09.2022.

- ◆ Akshat Soni secured 2nd position in Quiz Competition organized on the occasion of Engineer's Day by the Department of EC, GGITS, Jabalpur in association with IETE, Jabalpur on 15.09.2022.
- ◆ Monisha Bavariya and Simran Mankotia secured 2nd position in Poster Making Competition organized on the occasion of Engineer's Day by the Department of EC, GGITS, Jabalpur in association with IETE, Jabalpur on 15.09.2022.
- ◆ Anurag Singh and Venkat Bharti Thakur secured 3rd position in Poster Making Competition organized on the occasion of Engineer's Day by the Department of EC, GGITS, Jabalpur in association with IETE, Jabalpur and Bio Design Innovation Center, RDVV on 15.09.2022.

DEPARTMENTAL CORNER

- ◆ Inhouse Training on "Python Programming" was conducted for B.Tech. 5th semester students from 04.07.2022 to 16.07.2022. The resource person was Dr. Sourabh Sahu.
- ◆ Guest Lecture on "Values and Life Lessons" was organized for faculties on 11.07.2022. The invited speaker was Dr. D.V.S. Bhagavanulu, Dean, IQAC and Academics, REVA University, Bangalore.
- ◆ Guest Lecture on "Innovation, Incubation and Patenting" was organized for faculties on 11.07.2022. The invited speaker was Dr. S. S. Sandhu, Director, Bio Design Innovation Center, RDVV, Ministry of Education, Govt. of India.
- ◆ GGITS signed an MoU with Design Innovation Center, RDVV, Jabalpur, Ministry of Education, Govt. of India to encourage patenting and incubation in and around Jabalpur on 11.07.2022.
- ◆ Expert talk on NBA Assessment and Accreditation Process was organized for all faculties. The resource person was Dr. O.G.Kakde, Director, IIIT, Nagpur on 30.07.2022.
- ◆ One day workshop on Entrepreneurship Development was organized by Institute in association with JCCI, CBI, MP Govt. under MSME on 22.08.2022. The resource people were: Mr. D C Sahu, Joint Director/HOO, MSME DO, Indore; Mr Gaurav Goyal, Assistant Director, MSME DO, Indore; Mr. Himanshu Khare, Senior Vice President, JCCI, Jabalpur Mr. Pankaj Rai-PRO, BRBRAITT.
- ◆ One day Industrial Visit to SCADA Lab (220kV sub station) was organized for students of B.Tech. 5th semester students on 06.09.2022.
- ◆ Expert Talk on "VLSI Trends in industries" was organized for B.Tech. 7th semester students and faculties on 08.09.2022 and 09.08.2022. The resource person was Mr. Shrikant Atkane, Ni2 Logic, Pune.
- ◆ Expert Talk on "Scattering parameters and their applications in Microwave Engineering" was organized for B.Tech. 7th semester students on 12.09.2022. The resource person was Dr. Biswajeet Mukherjee, Assistant Professor, IIITDM, Jabalpur.
- ◆ Various activities were organized on the occasion of Engineer's Day by the Department of EC in association with IETE, Jabalpur. Around 284 participants from all over the branches got enrolled for various competitions: a) Poster Making Competition with theme: Smart City, AI & Robotics, Renewable Energy, Control, Automation and Instrumentation, Sustainable Development, b) Essay Writing Competition- China Taiwan conflict: A Global Catastrophe, c) Quiz Competition: General Awareness, d) Extempore Competition

- ◆ Expert Talk on “Microwave Tubes and their applications” was organized for B.Tech. 7th semester students on 19.09.2022. The resource person was Dr. Biswajeet Mukherjee, Assistant Professor, IIITDM, Jabalpur.
- ◆ Hands on Workshop on “Robotics” was organized for B.Tech. 3rd semester students on from 22.09.2022 to 28.09.2022 by Eagle foundation, Jabalpur. The resource person was Er. Vivek Singh, Director, Eagle Foundation, Abhishek Singh and Akhilesh Kushwaha, Trainers, Eagle Foundation, Jabalpur.
- ◆ Gyan Ganga Group of Institutions celebrated World Tourism Day on 27.09.2022. The theme for ECE department was Rajasthan state and all the students had showcased their skills and talents with full enthusiasm and zeal.
- ◆ Student Induction program (SIP) was conducted for B.Tech. 1st year students from 13.10.2022 to 21.10.2022. Expert Talk on “IoT Platforms and tools” was organized for B.Tech. 7th semester students and faculties on 20.10.2022 and 21.10.2022. The resource person was Mr. Rajesh Kondawar, EDAS Technology, Nagpur.

ALUMNI'S MESSAGE

It gives me great pleasure in sharing my success after joining GGITS. GGITS has successfully accomplished its promises and objectives in providing quality education and overall development of all its students. GGITS provided us with well-equipped library, internet facility, transportation which has been constantly of great support. The guest lectures and training programmes organized by GGITS are really a boon to all the students. The EC Department has helped me throughout the course in providing projects, and helped me to identify my area of interest and helped me to work towards it. GGITS has moulded me to become a future executive and I'm sure it's really a boon to all B.Tech. aspirants.

Chaitanya Kashive
Development Engineer
Collabera Services Pvt. Ltd.

EDITORIAL BOARD

FACULTY EDITORS: Prof. Akash Rajak, Prof. Surya Bazal, Prof. Priyanka Tripathi
STUDENT EDITORS: Shantam Upadhyay, Venkat Bharti Thakur, Trisha Sur

PHOTO GALLERY



Thank You