

2019 (ODD SEM-2019-20)

TECHZETTE

Electronics & Communication Engineering



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

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 Embedded System and VLSI Design and Communication System with an intake of 18 each. 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 been accredited with excellence by National Board of Accreditation (NBA). 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”-2019 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”-2019 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.



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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 2019-20, 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.

STUDENT'S CORNER

- ◆ Sagar Bardhan secured 3rd position in "Photo Exhibition Competition" on the occasion of World Photographic Day held at SRIT, Jabalpur on 19.08.2019.
- ◆ Ishman Behra, Cyrus Wilson, Vanshika Kosta, Poorva Gupta, Prachi Jain, Shubham Mourya, Shreekush Suhane, Shriya Choudhary, Sneha Tripathi, Surabhi Awadhwal, Vineeta Tiwari and Aakash Manglani participated in Technoxian International robotics Competition held at Delhi on 23.09.2019.
- ◆ Deepak Sharma, Deepa Birua, Debashish Mukherjee, Chirag Khamparia and Chaitanya Kashive secured 1st position in "Robomania" held at AKS University, Satna on 07.10.2019.
- ◆ Pragya Gupta presented a paper on "Smoke Sensing fire fighting ROBOT" held at AITRC, Chhindwara on 03.08.2019 and secured 1st position.
- ◆ Pranati Rebecca Singh presented a paper on "IoT Based Automobile Pollution Detection System" held at GRKIST, Jabalpur on 03.08.2019.
- ◆ Suhasini Choudhary presented a paper on "Bomb Detector and Diffuser" held at LNCT, Bhopal on 16.09.2019 and secured 3rd position.
- ◆ Akshita Anand Shrivastava presented a paper on "Intelligent accident detection system and alert for emergency medical assistance" held at Global Engineering College, Jabalpur on 16.09.2019.
- ◆ Shaba Khan presented a paper on "Voice controlled ROBOT" held at TIT, Bhopal on 15.10.2019 and secured 2nd position.



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DEPARTMENTAL CORNER

- ◆ A workshop was organized on “Black Line Follower Robot and Obstacle Avoiding Robot” for B.Tech. 3rd semester students of EC on 27.07.2019 and 03.08.2019. Prof. Rajender S. Yadav and Prof. S.U.Khaparkar of department of EC, GGITS conducted the workshop.
- ◆ An Industry Visit to “Optical Fiber Communication Lab” of B.R.B.R.A.I.T.T., Jabalpur was organized for B.Tech. 3rd semester students of EC on 08.08.2019.
- ◆ An Industry Visit to “200 KW AM Transmitter” of AIR Karmeta and Katanga, Jabalpur was organized for B.Tech. 5th semester students of EC on 24.08.2019.
- ◆ An Industry Visit to “State-of-the-Art Supervisory Control and Data Acquisition System (SCADA) Lab” of M.P.P.T.C.L., Jabalpur was organized for B.Tech. 7th semester students of EC on 30.08.2019.
- ◆ Technical Expert Lecture on “Let’s build an Embedded Project from scratch” was organized for B.Tech. 5th semester students of EC on 30.08.2019. The resource person of the lecture was Prof. Ashish Singhadia, GNCSGI, Jabalpur.
- ◆ Hands on Training on “Rasberry Pi and Python” was organized for B.Tech. 5th semester students of EC on 14.09.2019. The resource person of the lecture was Dr. Ashok Verma, HoD-CSE, GGITS, Jabalpur.
- ◆ Expert Lecture on “Internet of Things: Gateway to Internet network, IoT Application areas, Government plans, Industry Trends” was organized for B.Tech. 3rd semester students of EC, EE & EX on 20.09.2019. The resource person of the lecture was Mr. J.K. Bachhani, SDE, B.R.B.R.A.I.T.T., Jabalpur.
- ◆ Workshop for faculties on “eSim a first course in IoT Series” by IIT Bombay Resource Center of GGITS was held at Remote Centre, Gyan Ganga Institute of Technology and Sciences, Jabalpur on 21.09.2019. The Course Instructor of the workshop was Prof. Pramod Murali, IIT Bombay and Coordinator for workshop in Remote Centre was Prof. Sunil Shah, GGITS. The workshop was conducted through IIT Bombay MOOC Platform.
- ◆ World tourism day was celebrated on 28.09.2019 by the Gyan Ganga Group in which EC Dept. got the opportunity to represent Rajasthan state. Students created ambience based on Rajasthan theme and participated in various activities such as Rajasthani folk dance Ghoomar, food stalls.
- ◆ A keynote lecture on “WSN and IoT” was organized for B.Tech. 7th semester students of EC on 30.08.2019. The resource person of the lecture was Prof. V K Jain, IIITDM, Jabalpur.
- ◆ Project Competition was organized by the department of EC on 18.10.2019 for all the students of B.Tech. Projects exhibited were mainly explored in the broad areas of Robotics, Application of renewable energy, Wireless power transfer, Sensors, LIC, Micro-controllers, embedded systems, IoT and many more.
- ◆ FDP on “Wireless Sensor Network, IoT and Security”, sanctioned by AICTE, New Delhi was organized by the department from 02.12.2019 to 14.12.2019.

ALUMNI'S MESSAGE

I would like to thank my alma mater, Gyan Ganga Institute of Technology and Sciences, for helping me with guidance and support. The faculty ensured that all the students improved both academically and as a person. I am grateful to the department of ECE, for helping me grow as an individual.

Ravindra Kumar Patel,
Senior Executive Engineer,
Siemens Ltd.



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FACULTY EDITORS: Prof. Laxmi Kosta, Prof. Surya Bazal, Prof. Priyanka Tripathi

STUDENT EDITORS: Aastha Hardeniya, Ankush Tharwani, Adarsh Kumar Goyal

PHOTO GALLERY



Thank You



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