TULSIRAMJI GAIKWAD-PATIL
Collage of Engineering & Technology
An Autonomous Institute
NAAC A+ Accredited
www.tgpcet.com

DTE CODE 4151

DEPARTMENT NEWS LETTER (2022-23)

Department of Electronics & Communication Engineering

Department of Electronics & Communication Engineering

About TGPCET

Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET) was established in the year 2007 by Vidarbha Bahu-uddeshiya Shikshan Sanstha (VBSS), a registered society. It is a self financed Private Engineering College, which is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU) Nagpur and is approved by All India Council for Technical Education, New Delhi. Also college is approved by Directorate of Technical Education (DTE), Mumbai, Maharashtra State. The Institute is Accredited with A+ (3.32 CGPA) by NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC). An Autonomous Institute affiliated to RTM Nagpur University, Nagpur

Institute Vision Mission

Vision-

To emerge as a learning Center of Excellence in the National Ethos in domains of Science, Technology and Management.

Mission-

- To strive for rearing standard and stature of the students by practicing highstandards of professional ethics, transparency and accountability.
- To provide facilities and services to meet the challenges of Industry andSociety.
- To facilitate socially responsive research, innovation and entrepreneurship.
- To ascertain holistic development of the students and staff members by inculcating knowledge and profession as work practices

Departmental News Letter (2022-23)

About Department

Established with B.E. ECE in the year 2007- 08 with an intake of 60.It has been one of the key departments, active in teaching and research since its inception in 2007. It has well qualified and experienced faculty with novel teaching methods.

Research and training activities are based on VSAT, Atmel, µP & µC and SATCOM laboratories. A separate computing facility has been established to carry out project work and design jobs taken up by the department.

The Department has a state-of-the-art Microwave & Radar Engineering Laboratory in addition to well-equipped laboratories in the areas of Electronic Devices, Communication Engineering, Digital Signal Processing, Microprocessor and Microcontroller and Digital Electronics.

The department has Industry Institute Partnership Cell (IIPC) which aims to establish and explore proper links with various departments, agencies and industries all over the country. It also aims to work in close coordination with the industries and organizations for placement and training of the students, to support R & D and sponsored projects from industries, to exchange personnel between the Industries and the Institute by organizing guest lectures by Industrial experts, evaluation of project work, development of curriculum as per industry needs and other academic work in the Institute.

Department Vision

"To emerge as a learning Hub and center of excellence in the domain of Electronics & Communication Engineering"

Department Mission

- To impart quality technical education through effective teaching learning process.
- To provide a platform for addressing societal issues & challenges encountered by industries
- To foster a culture. of research & instill innovative & entreneurial skills.
- To promote lifelong learning in order to foster the holistic development of students & staff through the knowledge & professional ethics.

MESSAGE FROM HOD DESK

Electronics and Communication Engineering has been instrumental in enhancing the quality of life and driving economic growth both nationally and globally. Since its inception in 2007, the Department of Electronics and Communication Engineering has been a collective endeavor of forward-thinking individuals dedicated to maximize its potential across all fronts and setting new benchmarks in the field.

As the technology landscape evolves rapidly, presenting both opportunities and challenges, it becomes essential for us to actively support our emerging engineers. Our department is committed to shape the next generation of technocrats, instill in them a blend of human values and innovative spirit to contribute to a peaceful, self-reliant Digital India and new India.

Dr. Sanjay M. Asutkar
HOD, ECE
BE, ME, Ph.D. DVLSI,
DBM, FIE, MISTE
hod.ece@tgpcet.com

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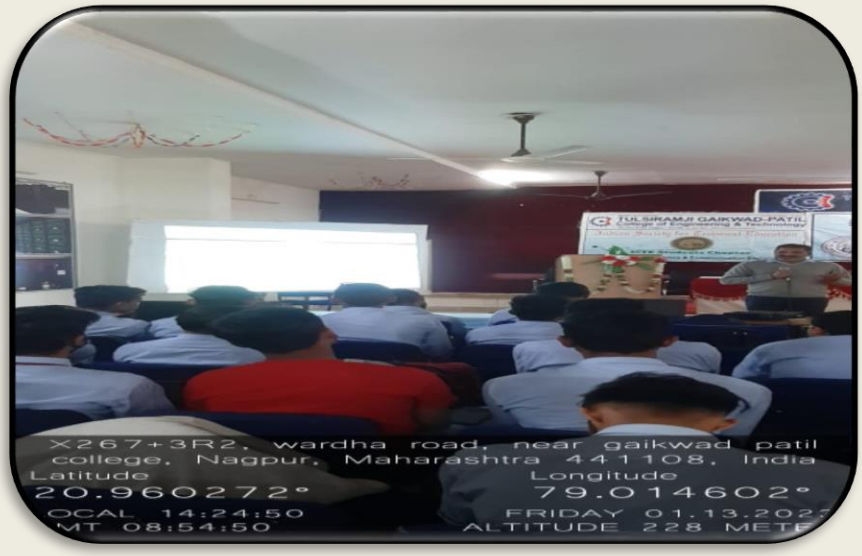
STUDENT ACHIEVEMENT (SECURED SECOND POSITION)

Mr. Prasana Pojgey

Secured 2nd position in National Championship organized by National Shatokan Karate

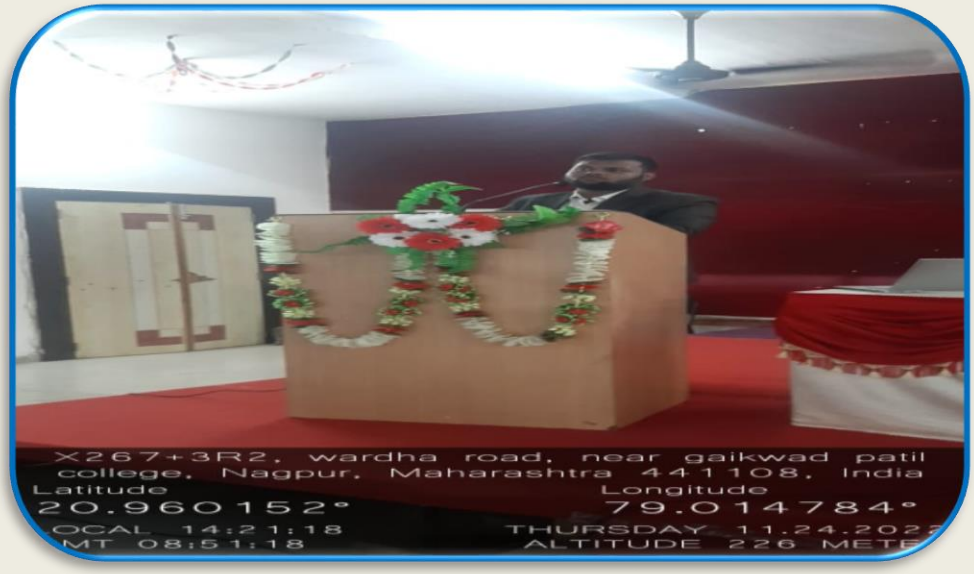
GUEST LECTURE ON
" Brain signal processing"

Introduction: Department of Electronics & Communication Engineering under ISTE and IET student chapter have organized a guest lecture on topic "**Telecommunication Technology & Future Scope**" by Dr . Ram Bilas Pachori Professor IIT Indore.



GUEST LECTURE On "CYBER SECURITY"

Introduction: Department of Electronics & Communication Engineering under ISTE and IET student chapter have organized a guest lecture on topic "Cyber Security" by **Mr. Adasrsh Kanth Singha**, **Director Cyber c3**



Motivational Lecture on Purpose of Education

Motivational Lecture on Purpose of Education by Dr. Surendra Gole Principal SVPCET, Nagpur

Lokmat Times

Motivational lecture organised at Tulsiramji Gaikwad-Patil College

One of the guests being felicitated during the programme.

Department of electronics and communication engineering under the NSS unit of Tulsiramji Gaikwad-Patil College of engineering and technology, organised a motivational lecture on 'purpose of education' recently.

Dr Surendra Gole, principal of St Vicent Pallotti College of Engineering and Technology, Nagpur was the keynote speaker on the occasion.

Dr Surendra Gole delivered a lecture on how to develop a good education system and how to gain good education, learn happily and listen carefully.

More than 60 students, teaching and non-teaching faculty members attended the lecture.

The programme was organised under the guidance of Dr Mohan Gaikwad, chairman GPGI, professor Sandip Gaikwad, treasurer, and Dr Anil Kale, principal, TGPCET. The programme was anchored by professor Swapnali Moon, assistant professor of ECE department.

Nagpur First
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INDUSTRIAL VISIT
"Regional Remote Sensing Centre RRSC-ISRO"

Introduction:
Department of Electronics & Communication Engineering under ISTE and IEI student chapter have organized a Industrial visit to Regional remote sensing centre.

Aim: To Study and understand the operation of Regional remote sensing centre.

Objective:

1. To make the students aware of industrial machinery.
2. To know the importance of communication.
3. To understand the working of remote sensing Antenna.

INDUSTRIAL VISIT

"Oberoi Center of Excellence (OCE) for Robotics"

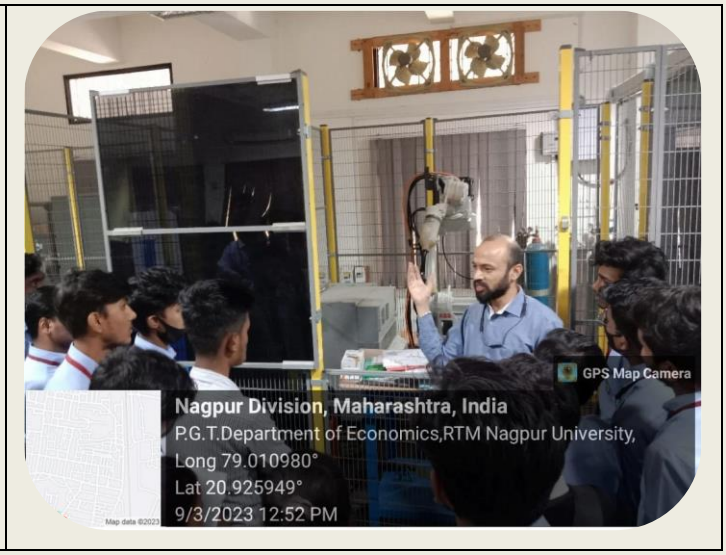
Introduction:

Department of Electronics & Communication Engineering under ISTE and IEI Student chapter have organized a Industrial visit to Oberoi Center of Excellence (OCE) for Robotics, Nagpur

Aim: To Study and understand the operation of state of art automated technology & innovation in robotics

Objective:

1. To make the students aware of automated technology.
2. To know the importance of Robotics.



INDUSTRIAL VISIT
"RCOEM TATA-CIII"

Introduction:

Department of Electronics & Communication Engineering under ISTE and IEI Student chapter have organized a Industrial visit to **RCOEM TATA-CIII** Ramdeobaba College of Engineering and Management, Nagpur

Aim: To Study and understand the operation Arc welding Robot, Pick –n Place Robot, 3 D Printing, CNC-VNC Machine.

Objective:

1. To make the students aware of fabrication of innovative products.
2. To know the importance of industry 4.0

INDUSTRIAL VISIT

"Br. Sheshrao Wankhede Sahakari Soot Girni Ltd."

Introduction:

Department of Electronics & Communication Engineering under ISTE and IEI Student chapter have organized a Industrial visit to Br. Sheshrao Wankhede Sahakari Soot Girni Ltd." Buttibori.

Aim: To Study and understand the application of PLC & SCADA for Manufacturing process of international quality Yarn.

Objective:

1.To make the students aware of Programmable logic Control.

2.To know the importance of SCADA.

Expert Lecture

“ Application of Remote Sensing Center (RRSC-ISRO),.”

Introduction: Department of Electronics & Communication Engineering under IEI & ISTE student chapter have organized a Guest lecture at Regional Remote Sensing Center (RRSC-ISRO), Nagpur

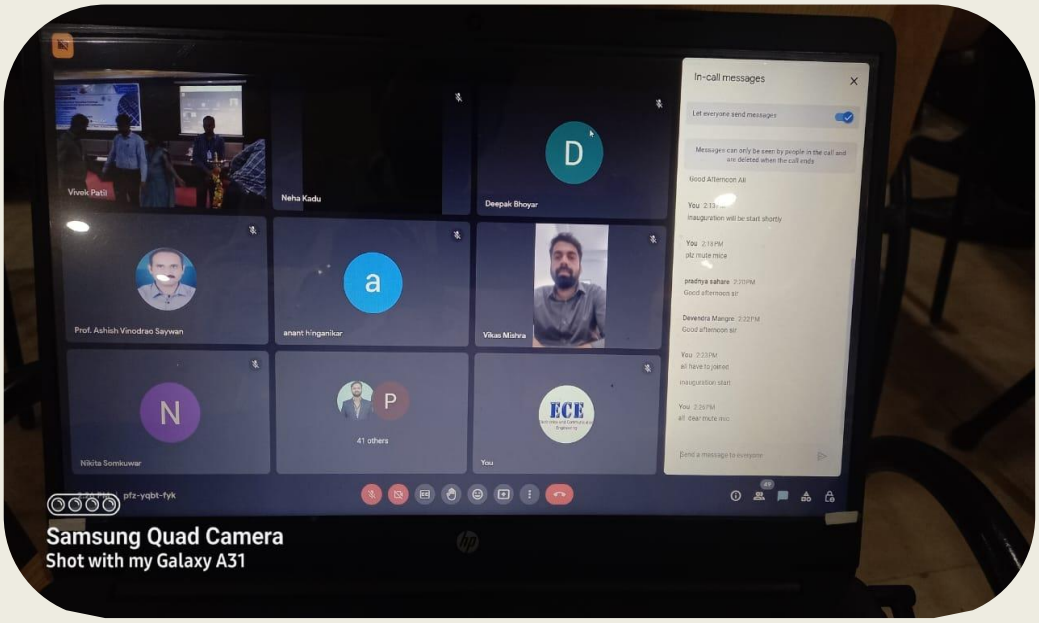
Aim: To understand the state-of-the-art working of Regional Remote Sensing Centre (RRSC) is one of the primary centre of Indian Space Research Organization (ISRO).

Objective:

- To make the students aware about development of techniques for remote sensing applications including disaster management support.
- To know generation of data products, dissemination to the users, geospatial services for good governance and capacity building for Professionals, faculty and students.
- To understand the establishment of ground stations for receiving satellite data.
- To know Remote Sensing, GIS and web information services

One Week FDP on Recent Trends in Solar Photo Voltaic Technology with IOT Based Monitoring System It's Application

(Dt.10/04/2023 to 15/04/2023)



Toppers

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