



Vision of the Department

To be recognized as a center of Excellence in the field of Electronics and Telecommunication Engineering where learners are nurtured in a scholarly environment to evolve into competent professionals to benefit society.

Mission of the Department

1. Evolve a curriculum which emphasizes on strong engineering fundamentals with the flexibility to choose advanced courses of interest and gain exposure to tools and techniques in Electronics and Telecommunication Engineering.
2. Encourage a teaching-learning process in which highly competent faculty share a symbiotic association with the institutes of repute.
3. Facilitate creation and dissemination of Electronics and Telecommunication knowledge through a digitally-enabled learning environment.
4. Develop academic and infrastructural facilities with modern equipment and other learning resources and encourage reciprocal sharing with other institutes through networking.
5. Establish a centre of excellence to enhance academia – Electronics and Telecommunication industry partnership and work on collaborative projects.

Programme Educational Objectives (PEO)

1. Graduates will be able to apply Electronics and Telecommunication knowledge to design technically sound systems, adopt new technologies through lifelong learning and to lead a successful career in diverse domains and streams.
2. Graduates will be able to show ability of Research and Development and Entrepreneurship skills.
3. Graduates will be able to exhibit professionalism, ethics, teamwork and social awareness in their career.

DR. VARSHA TURKAR

HEAD OF DEPARTMENT, ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Hello Everyone.

A Warm welcome to all reader's

This Quarter started with a great vibe of Learning and capacity building in the department. In this Quarter, along with regular Academic assignments, Department was successful in imparting Hands on Teaching through various Workshops/Webinars and Seminars. There were many initiatives implemented by the department to strengthen the idea of continuous learning and evaluation. During this Quarter, faculty members successfully published papers and guided students for various project competitions. As a regular practice in this quarter also we encouraged students to work on Problem Based Lab Experiments. To Conclude I would mention that It was a good blend of regular and skill based programs in this semester.

I wish all my Students a great Luck for upcoming Exams

WHAT'S INSIDE

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EXTC Department presents Guest Lecture in the subject Computer Networks



VIT Vellore Institute of Technology
Accredited A+ by NAAC

Department of Electronics and
Telecommunication Engineering
(NBA Accredited) presents

GUEST LECTURE ON RECENT TRENDS IN COMPUTER NETWORKS

Event Details

-  23 February, 2024
-  2:45 PM to 3:45 PM
-  MS TEAMS



(Code to join)



Mr. Vikram Babar
Global Digital Technology Leader,
Toyo Engineering Corporation, Japan.

Event Co-ordinator: Prof. Beena Ballal

Date: 23-2-2024

Venue: MS Teams

Topic: 'Recent trends in computer networks'

Description: Guest Lecture in the subject of Computer Communication Networks was conducted on teams platform for TE, EXTC Students. Prof. Beena R Ballal Welcomed Mr. Vikram Babar. She also introduced the speaker to the audience by giving highlights of his rich profile.

Mr. Vikram started the session by introducing the Recent Trends in computer network which is Azure Networking. He explained that Azure virtual network is the fundamental building block for the private network. He also explained in detail various components of Virtual Networks (VNETs) and different ways in which VNETs can be connected. Throughout the session doubts of the students were taken up by Mr. Vikram. Towards the end of the Guest Lecture Prof. Beena R Ballal presented the Vote of Thanks for making the guest lecture a grand success.

Total 87 students and One Faculty attended the lecture.

EXTC Department Organize Alumni Lecture in the subject Very Large Scale Integration



VIT Vellore Institute of Technology
Accredited A+ by NAAC

Department of Electronics & Telecommunication
NBA-Accredited
presents

Alumni Lecture on "Scope and Growth in VLSI/ASIC Domain"



Ms. Sanjana Pisal
Engineer II
ASIC Verification
Seagate Technology HDD PVT. LTD.



 05/04/2024
 9 am-11 am
 TBA

Date: 23-2-2024

Venue: M302

Topic: 'Scope and Growth in VLSI/ASIC Domain'

Description: Alumni Guest lecture was organized by Prof. Amey Revandkar for TE Students to give them insights on scope and trends in the field of VLSI/ASIC. The session started by introducing an Alumni student Miss Sanjana Pisal 2017 batch. Miss Sanjana started the talk by expressing her gratitude towards all teachers of EXTC Department. She shared the memories of VIT with TE Students. She explained the learnings she got from faculty, HOD, Principal, Committee Convenors during her college days.

She then began the session by introducing the basics and then the applications of VLSI Subject. This was a thorough explanation given by her that helped students to visualize the impact of VLSI on Electronics Industry. She explained the difference between Analog and Digital VLSI. Also, she threw light on the tracks to be taken for building a strong theoretical and practical foundation in VLSI. She shared her experiences working with the hardcore design processes in industry. The session concluded with a question and answer session.

Total 35 Students attended the event.

ETSA Organized a Seminar on Agile Technology

Department of Electronics and Telecommunication
NBA Accredited
presents

AGILE TECHNOLOGY UNVEILED

Building a High-Performance Culture:
A Seminar on Agile Excellence, Where Innovation Meets Impact!

Register now!!

Speaker
Nirmayee Dighe
(MS in Information System - Northeastern University, Boston)

WEDNESDAY
24 Jan, 2024

START FROM
5:30pm to 6:30 pm

ONLINE

FOR MORE INFORMATION :
Pragnya Govindula -98679 12340
Aakansha Jadhav -87799 02582

Date: 24-1-2024
Venue: MS Teams
Topic: 'Agile Technology Unveiled'

Description: 'Agile technology Unveiled', organized by ETSA, was an engaging seminar on the latest technology used in project management. The speaker at event was Ms. Nirmayee Dighe, she is currently pursuing her master's degree from Boston University. The seminar started by explaining the phases of project life cycle namely initiating, planning, execution, Monitor & control and the closing. She Explained the traditional systems with the example of food delivery app Swiggy followed by the Scrum Framework or the Agile way of project management and the roles assigned with it. She also explained about the sprint approach and its execution with the help of sprint board available on the Notion software. This approach helps in sprint retrospective and product backlog refinement. The seminar ended with round of questions and answers followed by vote of thanks.

Total 29 Participants attended the event.

EXTC Department Organize Seminar and workshop on 3D Printing & Building 3D Model

Department of Electronics and Telecommunication
NBA Accredited
presents

3D PRINTING & BUILDING 3D MODEL

A Practical Workshop on 3D Printing Techniques

Hands-on experience
Knowledge of 3D printing techniques using TinkerCad

Hands-on experience where you'll learn the ins and outs of 3D printing, from design concepts to the fascinating moment when your creation emerges.

Speaker
Yash Surve

REGISTER NOW!

For Seminar For Workshop

The Event Will Be Held On:

SEMINAR : 18 JAN 04:45 PM
WORSHOP : 19 JAN TO 06.00PM
M BLOCK

For more info : Pragnya Govindula-9867912340 Aakansha Jadhav-8779902582

Date: 18th and 19th Jan 2024
Venue: M Block
Topic: '3D Printing and Building 3 D Model'

Description: The workshop on 3D printing, organized by ETSA, was a comprehensive and engaging event that covered printing of a 3D model designed in the seminar. The speaker at the event was Mr. Yash Surve. Participants learned about different aspects to be taken into consideration while printing the 3D design such as material used, prerequisites for getting the printer ready etc. The session ended with doubts followed by a vote of thanks.

Outcome Expected from the Activity:

1. Deepen understanding of 3D printing technologies for informed decision- making and implementation.

Skill Development:

2. Hands-on sessions for practical 3D printing skills, empowering participants to confidently navigate the technology.

3. Provide a platform for participants to exhibit their innovative 3D printing projects, inspiring creativity and practical implementation across industries.

Total 12 Participants attended the event.

“Tell me and I forget. Teach me and I remember. Involve me and I learn.
- Benjamin Franklin”

Alumni Speak

Preeti Deshpande

Process Lead Engineer, Lam Research

Batch 2010

I feel happy and nostalgic to share my experience as a student of VIT. Its been more than a decade now that I graduated from VIT, but the memories are still fresh in my mind. I therefore feel privileged to express my views for VIT. The institution has a great blend of technical, non technical activities. Faculty members, Lab infrastructure, Industry interactions, students council are key points of VIT that makes it excellent. In those times where e- learning and other teaching methodologies were taking shape, VIT still imparted a good quality learning tools and methodologies that helped students to excel in academics.

Now VIT is a Stalwart in education field. I feel happy to see continuous success and development of VIT in the area of imparting professional education. I also thank VIT for giving me honor of Distinguished Alumni from Electronics and Telecommunication Department. I wish VIT a great luck and conquer great heights of excellence.



ISTE-VIT conducts 30 hours Value Added Course ‘Calm Within Chaos’ A Mindfulness Meditation Journey

Under the leadership of Dr.Dhananjay Patel and Dr.Vidya Chitre ISTE-VIT successfully conducted a VAC for 30 hours on Mindfulness. The session was planned for 5 Saturdays. The various topics covered during the sessions are as follows:

1. Introduction to Mindfulness, Integrating Mind and Body, Dynamic Meditation
2. Spirituality for Scientific and Human Mind, Cultivating Calmness in the midst of Chaos, Yoga session
3. Integrating Vedantic Principles into Technology, Embracing Unity Amidst Diversity, Unleashing creativity in Motion
4. Fueling Positivity, Emotional resilience through mindful awareness, Nurturing Emotional resilience workshop
5. Fostering Awareness through Education

In this Vac, Total 6 Speakers had been invited. They gave valuable informative talks on above points and encouraged audience to practice Mindfulness to lead a happy and meaningful life. Students also participated in the talk. They were happy at the end of each day to witness practical yoga and fun activity sessions.

The VAC was concluded by thanks giving and certificate Distribution



IEEE-GRSS organizes a workshop on INTRODUCTION TO OBJECT DETECTION



Date: 21-02-2024

Venue: Offline

Topic: 'Introduction to Object Detection'

Description: The speakers delved into the core theories of YOLO and CNN essential for object detection, elucidating their functionalities. A practical demonstration showcased hands-on application using Google Colab.

The session concluded with a thorough doubt-solving round, addressing queries related to the subject matter. Additionally, a discussion segment ensued, featuring insights into various projects undertaken by junior students, along with constructive feedback provided by the speakers. Overall, the seminar provided valuable insights and practical exposure for students interested in the field.

IEEE-GRSS organizes a QGIS Hands-on Workshop by Ms. Tanvi Gadgil



Date: 26-02-2024

Venue: Offline

Topic: 'QGIS Hands-on Workshop'

Description: The event aimed to empower attendees, including students and faculty members, to leverage QGIS for various applications in fields such as environmental science, urban planning, and natural resource management.

- Introduction to Software: Ms. Tanvi Gadgil commenced the workshop with a quick introduction to QGIS, emphasizing its significance in the realm of geographic information systems. Participants gained insights into the features and capabilities of QGIS as an open-source and user-friendly GIS platform.

- Data Processing and Handling: The workshop covered essential aspects of data processing and handling within QGIS. Ms. Gadgil guided participants through importing, managing, and pre-processing spatial data, enabling them to acquire practical skills in data manipulation.

- Spatial Analysis: Attendees were introduced to spatial analysis tools and techniques available in QGIS. Ms. Gadgil demonstrated how to perform common spatial analyses, including overlay operations, buffer creation, and spatial querying.

IEEE- GRSS Student Interviews



Date: 23-02-2024

Venue: Online

Topic: 'IEEE- GRSS Interviews'

Description: The Interviews for various positions for IEEE-GRSS student chapter of VIT were held in online mode. The applicants having diverse skills and strengths were evaluated through interviews by the previous members and faculties in charge.

Applicants were evaluated not only on their technical knowledge and academic achievements but also on their communication skills, leadership potential, and commitment to the goals and values of the IEEE- GRSS student chapter. Emphasis was placed on identifying candidates who demonstrated a passion for geoscience and remote sensing, as well as a strong desire to contribute meaningfully to the chapter's activities and initiatives.

IEEE-GRSS and WIE organise a Workshop on 'Psychological well being through Mandala Art'.



Date: 06-03-2024

Venue: M-101

Topic: 'Psychological well being through Mandala Art'

Description: A session/ Workshop on Mandala Art was organised by the IEEE GRSS in collaboration with The Women in Engineering group in order to promote Psychological well being and mindfulness among students who are budding engineers of tomorrow.

Dr.Varsha Turkar who is one of the senior faculties of the institute was the speaker of the event, who led the session with expertise and warmth. She particularly gave it a personal touch by elaborating her own experiences and showcasing the mandala art she had done in the past. She began by delving into the rich history and symbolism of mandala, explaining its significance as tools for meditation and self-expression.

The participants included not only students but faculty members of the institute as well. The attendees were provided with paper and pens to try the art hands on. They found themselves immersed in the guided instructions and the art in general.

The workshop provided a sanctuary for relaxation and stress relief, offering students a respite from the demands of daily life.

IEEE GRSS, WIE and NSS-VIT organize a self-defense workshop.

Date: 20-03-2024

Venue: B-105

Topic: 'Self- Defence Workshop'

Description: The IEEE- GRSS joined hands with The national Services Scheme (NSS-VIT) and the Women in Engineering (WIE) to host a transformative workshop on Women's Self Defence.

The event, aptly titled "Empower yourself: Women's self Defense", underscored the importance of self-defense. Drawing inspiration from Ronald Reagan's words, participants were reminded that self-defense is a means of safeguarding one's autonomy and dignity.

Led by a team of accomplished trainers, the workshop provided invaluable insights and practical techniques for self-protection. Shailesh Thakur, Vice President of the International Martial Arts and Sports Federation (IMSF), along with Abhishek Singh, Bhoomija Pandey, and Shrutika Sonavale, each boasting impressive credentials in martial arts, shared their expertise with passion and dedication.

As the Workshop concluded, echoes of encouragement and determination lingered in the air, serving as a reminder of the collective strength and resolve of women to prioritize their safety and self-defense.



IEEE- GRSS organizes a workshop on Power-BI.

Date: 06-04-2024

Venue: M-201

Topic: 'Workshop on Power BI'

Description: The IEEE- GRSS organised a workshop on Power BI which is a much needed skill in the current market this workshop aimed to demystify the intricacies of Power BI and empower attendees to unleash the full potential of their data.. Under the guidance of the esteemed Dr. Vidya Chitre Mam, participants embarked on a journey of discovery, learning how to transform raw data into dynamic visualizations that captivate and inform. Dr. Chitre's expertise and passion for data visualization served as a guiding light, inspiring attendees to harness Power BI's formidable capabilities with confidence and creativity. Throughout the Workshop, participants learned about Power BI's various features and tried them hands on. From manipulating datasets to crafting interactive dashboards, participants gained practical skills that promised to elevate their research endeavors.



“ Education is the passport to the future, for tomorrow belongs to those who prepare for it today. —Malcolm X ”

Faculty Achievements/Initiatives/Value addition

Dr.Saurabh Mehta

1. Dr.Saurabh Mehta's research work gets published in the journal of technical education by ISTE. This journal is recognized as UGC Care journal group 1. The title of the paper is 'Simulation of Cognitive Radio Wireless Networking Using Network Simulator : Learning Experience' .
2. Delivered 2 talks at National levels on Educational Technology and 5 Talks at State levels on various topics.
3. Selected for CIRCKET workshop at IITG
4. Won GOLC award with students in Finland.
5. Registered for 3 Copyrights and
6. Released STEM Manual in Three Languages.
7. Received a Cloud Grant worth 100k USD for Product Development and Deployment from Google

Prof.Beena Ballal.

1. Prof.Beena Ballal appreciated by AICTE for completing ATAL FDP on 'Wearable devices and point of care technology' .

Prof.Swapnil Ashtekar

1. Prof. Swapnil Ashtekar successfully conducted 4 different workshops for EXTC students under the imitative of ETSA Committee.
2. Prof.Swapnil Ashtekar successfully completed 'Cloud Computing Workshop' as a part of 'Industry Academia Community' .

Dr.Dhananjay Patel

1. Under Dr.Dhananjay Patel's leadership, the project work titled 'Designing and Developing a Multilingual Sign Language Translation App for Real-Time Interaction with Speech and Hearing-Impaired Individuals' has been selected for the TIH-IoT Chanakya Fellowship Program by the TIH Foundation for IoT and IoE (TIH-IoT).

THE
EDITORIAL TEAM
PROF.AMEY S.REVANDKAR