



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

In this Quarter, our Department conducted regular academic assignments and strengthened processes required to impart modern teaching Pedagogy. Our students excelled in various project competitions.

We conducted workshops and webinars to help students get insights on latest trends in various Engineering subjects. Faculty members from my Department participated in online workshops. I am sure in this semester my students will get good grades and will be equipped with skillsets required to get recruited in Industries.

I wish My students a good luck for new semester!!!

WHAT'S INSIDE

Guest Lectures organized
by Department

Alumni Talk
Preeti Deshpande

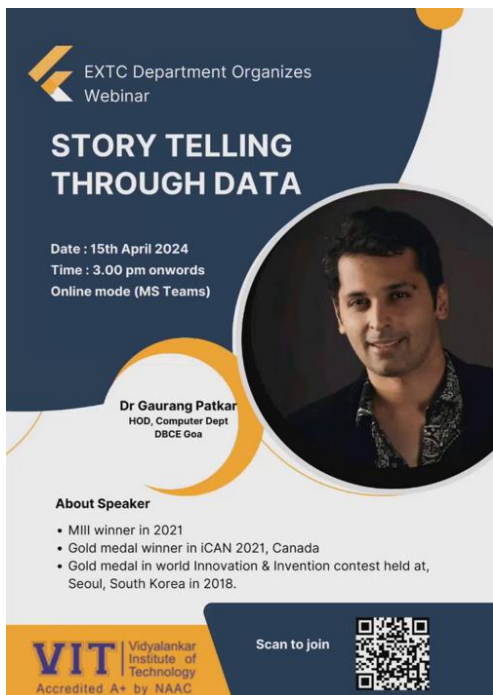
Value added course
conducted by ISTE-VIT

IEEE-GRSS Activities

Faculty Achievements



EXTC Department presents Webinar on Storytelling through Data



EXTC Department Organizes Webinar

STORY TELLING THROUGH DATA

Date : 15th April 2024
Time : 3.00 pm onwards
Online mode (MS Teams)


Dr Gaurang Patkar
HOD, Computer Dept
DBCE Goa

About Speaker

- Mill winner in 2021
- Gold medal winner in iCAN 2021, Canada
- Gold medal in world Innovation & Invention contest held at, Seoul, South Korea in 2018.

VIT Vidyalankar Institute of Technology
Accredited A+ by NAAC

Scan to join



Date: 15-4-2024
Venue: MS Teams
Topic: 'Story telling through Data'

Description: The objective of the webinar was To arrange an engaging and informative lecture on a topic which will show the implementation or application of fundamental concepts learnt and studied by the Third year EXTC students as a course in Semester VI. With this thought process we arranged this webinar where speaker will talk about a product developed for industry application making use of image processing and machine learning algorithms. The Event begins with the Introduction to the Guest speaker. The session was handed over to the guest speaker for conducting the event. The event was a completely practical demonstration of the theoretical concepts and application of the latest algorithms. The speaker engaged students by sharing some of his practical finding about the topic. Students enjoyed the session, and the feedback form was shared at the end of the session which received the positive response from the students.

EXTC Department Organize Training workshop for all branches



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NETSIM Training Workshop

Date: 10th to 12th June 2024
Venue: M514 Lab
Time: 9.30 am to 12.30 pm
2.00 pm to 4.00pm

Course Outcome:

- Introduction to NetSim and basics of Computer Networks
- Introduction to MANETs IOT and VANETs
- Simulation of Mobile communication in NetSim and Emulator in NetSim

For more information contact
Beena R Ballal
Mobile no:- 9930516982

Resource Person:
Mr. Amruth
Assoc. Application Engineer, TETCOS LLP

Mr. Amruth is B. Tech in Computer Science. His research work is in the field of Wireless Sensor Networks and Internet of Things.

Date: 10-6-2024 to 12-6-2024
Venue: M514
Topic: 'NETSIM Training Workshop'
Description: 3-Days Training Workshop on NetSim conducted by TETCOS Bangalore with resource person Mr. Amruth.

Day 1:- The training started with introduction of speaker by Prof. Beena R Ballal who was the coordinator of the training. Day 1:- Mr. Amruth started the session by giving Introduction to Computer Networks. He demonstrated the Simulation of LAN, WAN, and WLAN networks with NetSim. He talked about Transport Layer and briefed on TCP and UDP and its simulation with NetSim. He also interfaced with Wireshark in NetSim. He also demonstrated examples on 3 layers in NetSim.

Day 2:- Training of Day 2 started with introduction to MANETs, Routing protocols and Battery model in MANETs. He discussed IoT-WSN. He demonstrated examples on Routing protocols and Battery model in IoT-WSN using NetSim. He also gave introduction to VANET's

Day 3:- Training of Day 3 was focussed on Simulation of Mobile Communication in NetSim. The various topics covered were introduction to 5G. He simulated various examples in 5G. At the end of the session he discussed various Research areas using NetSim

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

Alumni Speak

Pratik Mhatre

Business Analyst, Apollo Global Management

Batch 2017

No period of my life has brought happiness in my life as the four years which I have spent in college walls. I think, specially when you are in college, each book which you are reading tends to tell you who you are. Those college days were really amazing starting from friday pathshala, annual sports, canteen where we have spent most of the time in our college life, our college fest VERVE all those memories will be cherished for ever. We are really thankful to all our professors, non teaching staff members who made our college life memorable.



EXTC Department Conducts In-house Internship for students

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



“ 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