

NEWSLETTER

Volume: 11
Issue: 2

DiscUs
The story of CSE

Department of computer Science & Engineering

Cover page

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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HOD-CSE, VJIT

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Associate Professor

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Varun Kumar, II CSE
T Abhilash, II CSE

We have a strong undergraduate and Post Graduate program in Computer Science & Engineering.

Prominent Features:

- Accredited by National Board of Accreditation under Tier-1 from academic year 2022-23 for a period of three years
- Center of Excellence in Data Analytics with Qlik
- Center of Excellence in Software Engineering with Virtusa
- Centre of Excellence in EPAM
- The department has a JNTUH Recognized R&D Center
- R & D Zonal Center in Artificial Intelligence & Deep Learning with Bennet Univeristy, Noida
- Well qualified, rich experienced and eminent faculty trained on Outcome Based Education
- Faculty trained and certified by International Society for Engineering Education in collaboration with IUCEE and Microsoft
- Well qualified and eminent faculty trained on Outcome Based Education
- Research Laboratories in the domains of Image Processing and Network Security/ IoT and Cloud Computing/ Machine Learning & Data Analytics
- 550+ Faculty Certifications in CISCO/Coursera/Spoken Tutorials
- Career Readiness Program powered by Google Cloud completed by 101 students of III B.Tech
- We have IIIT Bombay Remote center for organizing FDP/Workshops/Webinars
- Nodal Center for accessing Virtual Labs at IIIT Hyderabad
- Students and faculty are doing certifications in NPTEL, Qlik, Cisco, Coursera, Oracle, Microsoft, IBM etc
- Department has Active Research Groups such as AI&ML, IoT, Network Security, Image Processing & BDA.
- Majority of the Faculty are pursuing their Ph.D in emerging areas.
- Strong industry interface with leading companies like Microsoft, Persistence, Quadrium & Virtusa

Department of Computer Science & Engineering

DiscUs

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Dr. D Aruna Kumari,
Professor & Head of the CSE Department, VJIT



MESSAGE FROM HoD

Welcome to the Department of Computer Science and Engineering (CSE) at VidyaJyothi Institute of Technology. We are happy to release another issue of our department Newsletter-**DiscUs**. Our department has a distinguished record in both teaching and research. Faculty members have excellent academic credentials and are highly regarded. The Department of CSE has recorded consistent improvement in its academic, and placement performance. We encourage our students to organize events, participate in technical events organized by other colleges and also get involved in activities of social relevance.

We are very proud of our graduates and their accomplishments; they are highly skilled IT professionals who pursue successful careers in a wide range of contexts in the competitive local and global market.

DEPARTMENT ACHIEVEMENTS

Department of CSE Re-accredited by



for Next Three Academic Year From
2022-23 to 2024-25

EPAM-MoU



With a view to bridge the gap between industry requirements and academic curriculum **VJIT** has signed an **MoU** with **EPAM**, for internships, Guest lectures, Industrial visits and Hiring students with a package of 12 lakhs. As the part of MoU Mr. P Rajashekar, Assistant Professor CSE appointed as trainee for a period of 03 Months commencing from May 11, 2022.

FACULTY ACHIEVEMENTS&PARTICIPATION



Dr. B Vijayakumar, CSE VJIT has been Ratified as Professor by Jawaharlal Nehru Technological University-Hyderabad, in May-2022.



Mr. KSRK Sarma, Assistant Professor in CSE department has awarded a Ph D in Computer Science & Engineering from Jawaharlal Nehru Technological University-Anantapur (AP) in February-2022.



Dr. B Vijayakumar has been felicitated by Principal VJIT Dr. A Padmaja for conducting TechFest-2022 successfully.



Mr. Abdul Majeed, Assistant Professor CSE has participated in the 1st International Conference ICAIDS-2022 as papers peer reviewer.



Ms.Ch Deepika, Assistant Professor CSE has received Certificate of Appreciation for mentoring the participants from TASK & ORACLE Academy.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
KSRK SARMA
for successfully completing the course

Machine Learning, ML

with a consolidated score of **47** %

Online Assignments	17.25/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **403**

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Feb-Apr 2022
(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL22CS24543534117

To validate and check scores: <https://npTEL.ac.in/noc>



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
KSRK SARMA
for successfully completing the course

Cloud Computing

with a consolidated score of **58** %

Online Assignments	22.1/25	Proctored Exam	36.2/75
--------------------	---------	----------------	---------

Total number of candidates certified in this course: **4701**

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS20533532884

To validate and check scores: <https://npTEL.ac.in/noc>



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

KSRK SARMA

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **60** %

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

(Jan-Apr 2022)

Prof. Dileep N. Malkheda
Advisor (Research, Institute & Faculty Development)
All India Council for Technical Education

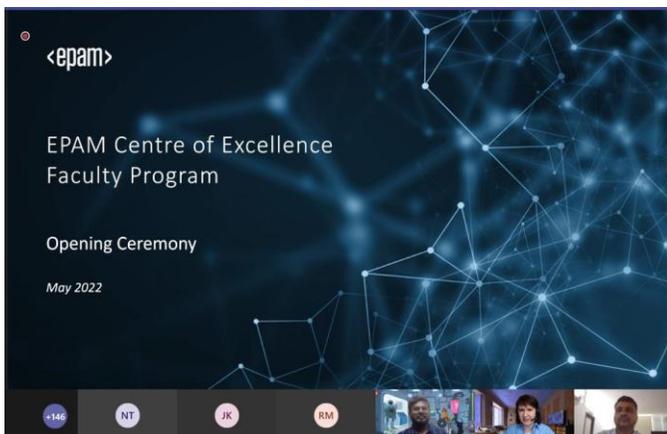
Roll No: NPTEL22CS19523537071

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 28th July 2016, similar to other refresher / orientation courses. F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

Dr. KSRK Sarma, Associate Professor CSE-VJIT has successfully completed the above NPTEL Online Certification and attended the FDPs organized by NPTEL-AICTE.

Workshops/Conference/Trainings Attended

1. "Two Day International Conference on Challenges to Disaster Risk Reduction and Resilient Habitat", 05/04/2022 to 06/04/2022, National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Shaheed Bhagat Singh College University of Delhi.
2. Online training, 23/03/2022 to 25/03/2022, "Occupational Health Hazards and Safety Measures for Health Care Workers", National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with MPUAT Udaipur.
3. One day Workshop on Trends in Deep Learning for Speech, Image and Video Processing, 23/02/2022, 6th International conference on Computer Communication and Signal Processing, Department of Information Technology, SSN college of Engineering, , Chennai, TamilNadu.



Mr. Rajashekar Parupati, Assistant Professor CSE has appointed as Trainee at EPAM System India Private Limited as the part of MoU with EPAM for a period of 03 Months commencing from May 11, 2022.



Ms.A Swarna, Assistant Professor CSE has recognized as an active instructor in the Cisco Networking Academy program.



Ms. Akarapu Swarna, Assistant Professor CSE has awarded FIVE YEARS of active participation and dedicated service in Cisco Networking Academy.



Dr. D Aruna Kumari, Professor and HoD CSE along with Mr. Y Praveen, Assistant Professor CSE-VJIT Attended a seminar on salesforce Virtual Internship program.



PKV. Subbaraya Sarma Assistant Professor CSE completed the “Train the trainer program” on Full Stack Engineering by VIRTUSA.

PROJECT PROPOSAL:

Dr. N Anusha, Professor CSE, has submitted the project on Principal Investigator, SRG/2022/001836, “Analysis of Near Real-time Multi-temporal Synthetic Aperture Radar and/or Optical Images for Flood Detection and Mapping using Machine Learning Models”, Submitted as Start-up Research Grant Proposal on 17th February 2022 to Science and Engineering Research Board, Department of Science and Technology, Government of India (Under Consideration).

Dr. Ravi Mathey, Professor CSE proposed a project on “Agricultural information management system with cloudbased big data analytics”, with estimated cost **30 lakhs**. Submitted as Start-up Research Grant Proposal to Science and Engineering Research Board (**SERB**), Department of Science and Technology, Government of India (Under Consideration).

STUDENTS' ACHIEVEMENTS

Academic Topper- Gold Medalist



We are proud to announce that our student Mr.Ch Harishwar Reddy-17911A05K1 is awarded **ACADEMIC TOPPER-GOLD MEDAL** during Annual Day Celebration-on May 14, 2022
A JOURNEY TO LAUNCH A SATELLITE.



K Vaishnavi, M. Sushrutha Reddy, Md. Fardeen, K Chandana, Mohammad Abdullah of CSE department and A Kavya, of II CSE-DS are qualified and are selected to work on the on Board Computer (OBC) Subsystem of the ANURAGsat. Students and faculty of the VJIT and Anurag University, Hyderabad, have embarked on a journey to launch a satellite named ANURAGsat this year.

Faculty Coordinator: **Dr. N Anusha**, Professor CSE VJIT



G Srija, of II CSE selected as Microsoft Engage Mentee 2022

- G Srija and R S Rahul Received first prize in codeauction in C Language, in TechFest at VJIT
- A Vamshi Krishna, II B.Tech CSE Received first prize in Crypt-o-quest in C Language in TechFest at VJIT
- K Chandana, D Sai Jyothi, II CSE received First prize in Poster Presentation TechFest at VJIT
- N Navya, and R. Drithi II CSE, has participated and won first prize in paper presentation title "5G Wireless Technologies".
- Panshetty Krishna, P Vishnu, P Poojitha II CSE, has participated in Technical Treasure Hunt.

FACULTY & STUDENTS CERTIFICATIONS

NPTEL 17	RANKSHEET 123	COURSERA 36	ORACLE 243
QLIK 24	IBM 12	IITB 251	HACKER RANK 68
CISCO 493	MICROSOFT 56	INTERSHALA 11	SALESFORCE 13

EVENTS ORGANIZED BY THE CSE DEPARTMENT



DEPARTMENT OF CSE PRESENTS
HACKATHON
ON
MENSTRUAL WASTE MANAGEMENT
ON

23rd MAY 2022

@ 9:30 AM, VJIT E-BLOCK SEMINAR HALL
NO REGISTRATION FEE
ELIGIBLE FOR ALL BRANCHES

Student Co-ordinators:
SONIKA-7842144974
NIKITHA-9390491207
KEERTHI-8523889039

Program Chair:
Dr D.Aruna Kumari
HoD-CSE

Faculty Co-ordinators:
Dr N.ANUSHA-9940290725
S.DIVYA-8978418318
Y. PRAVEEN KUMAR - 9848622979



The internal Hackathon “Menstrual Waste Management” Telangana State Innovation Cell, ITE&C Department, Government of Telangana In Collaboration with WaterAid was organized by Dept. of CSE on 23rd May, 2022. 55 students have participated. The program began with the introduction for Menstrual Waste Management. Also, we explained the selection criteria/Judging Process.

Jury members congratulated all the team members and gave them best wishes for the next level.

Online FDP on “Machine Learning and Image Processing”

Date: 18th -27th May 2022



The poster features the logos of Vidya Jyothi Institute of Technology and the Department of Computer Science & Engineering at NIT Warangal. The main title is "ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON MACHINE LEARNING AND IMAGE PROCESSING" with dates "18th MAY - 27th MAY 2022". It lists the organizers, chief patrons, patrons, coordinators, and a detailed list of 14 major course contents.

ORGANISED BY ELECTRONICS & ICT ACADEMY, NIT WARANGAL IN ASSOCIATION WITH DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VIDYA JYOTHI INSTITUTE OF TECHNOLOGY, HYD.

CHIEF PATRONS
DR. P. RAJESHWAR REDDY, Secretary & Correspondent, H.C. & Govt. Mhp, Telangana
MRS. S. NEELIMA, Joint Secretary

PATRONS
DR. E. SAIBABA REDDY, Director, VJIT
DR. A. PADMAJA, Principal, VJIT

COORDINATORS
DR. M. SRINIVAS, Ph.D, IITM, Post-Doc (Academia Sinica, Taiwan and ETS, Canada) Computer Science and Engineering National Institute of Technology Warangal - 506 004 (Telangana State) Email: msrinivas@nitw.ac.in Ph. No: 0877054421
DR. D. ARUNA KUMARI, Professor and HOD Department of CSE Vidya Jyothi Institute of Technology, Hyderabad, Telangana, India - 500075 Email: arunakumar@vjit.ac.in Ph. No: 9000909980
DR. KSRK SARMA, Associate Professor Department of CSE Vidya Jyothi Institute of Technology, Hyderabad, Telangana, India - 500075 Email: sarmakrsk@vjit.ac.in Ph. No: 900012979

MAJOR COURSE CONTENTS:

1. Introduction to Machine Learning and Image Processing
2. Phases of Image Processing
3. Research in Machine Learning and Applications
4. Machine Learning with Feature Representation
5. Feature Selection and Ensemble Methods
6. Machine Learning Basics - Linear Regression, Perceptron's, Multilayer Perceptron's, Stochastic Gradient Descent, Backpropagation
7. Basics of Python
8. Decision trees, Naive Bayesian Classification
9. KNN, Unsupervised Learning Methods, K-Means
10. Dimensionality Reduction Methods, PCA
11. Computer Vision Applications: Image Classification, Object Recognition and detection
12. Recommendation systems applications
13. Natural Language Processing (NLP) Applications
14. Current Research - Latest Architectures, Applications and Hands on Sessions and supervised and unsupervised Learning Methods

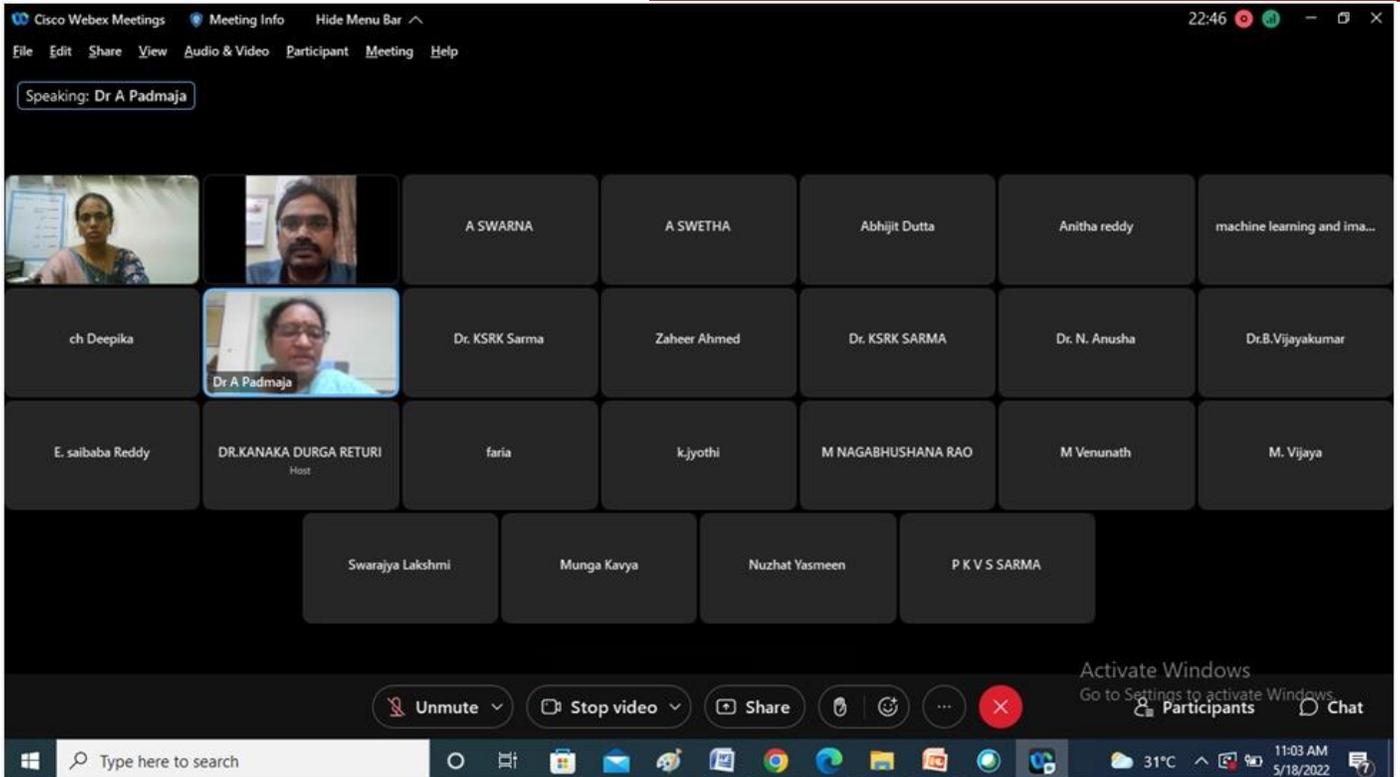
www.vjit.ac.in/csefd2022

Online FDP on “Machine Learning and Image Processing” is organized by E&ICT and NIT Warangal in association with Department of Computer Science & Engineering Vidya Jyothi Institute of Technology, Hyderabad during 18th -27th May 2022. Many participants from different colleges attended the FDP.

The workshop is inaugurated by Dr. A Padmaja, Principal VJIT

All the Guest Speakers of the FDP and the participants were welcomed by Dr. A Aruna Kumari, HoD CSE-VJIT.

Dr. KSRK Sarma, Associate Professor CSE has Coordinated all the sessions of FDP.



A screenshot of a Cisco Webex meeting interface. At the top, it shows "Cisco Webex Meetings", "Meeting Info", and "Hide Menu Bar". The time is 22:46. Below the menu bar, it says "Speaking: Dr A Padmaja". The main area displays a grid of participants. Dr. A Padmaja is the active speaker. Other participants include A SWARNA, A SWETHA, Abhijit Dutta, Anitha reddy, machine learning and ima..., ch Deepika, Dr. KSRK Sarma, Zaheer Ahmed, Dr. KSRK SARMA, Dr. N. Anusha, Dr.B.Vijayakumar, E. saibaba Reddy, DR.KANAKA DURGA RETURI (Host), faria, k.jyothi, M NAGABHUSHANA RAO, M Venunath, M. Vijaya, Swarajya Lakshmi, Munga Kavya, Nuzhat Yasmeen, and P K V S SARMA. At the bottom, there are controls for "Unmute", "Stop video", "Share", and "Chat". The Windows taskbar is visible at the very bottom, showing the time as 11:03 AM on 5/18/2022.

One Day Workshop on “The Essentials of Patent Strategies”

Department of CSE and IPR cell of VJIT in association with the Ministry of Education’s Innovation Cell (MIC) - Institution’s Innovation Council (IIC) 4.0 was organized a workshop on “The Essentials of Patent Strategies” on 26.04.2022 @ 10.00 AM.

During the session 60 students along with few faculty members of CSE dept and other department IPR coordinators were attended, In which they can learn how to file the patent. The speaker Dr. M.N Rao, Professor, Dept of IT explained his insights about patent filing procedure, apart from that he gave a few examples of our college students who are already filed some patents to encourage the students towards filing patents.

Outcome: Students learned patent filing procedure.

ROAD MAP TO PATENT RIGHTS IN INDIA
A ONE DAY **WORKSHOP**

The VJIT IPR Cell in association with the Department of CSE, Ministry of Education's Innovation Cell (MIC) Institution's Innovation Council (IIC) 4.0

SPEAKER:
DR. M N RAO
PROFESSOR & IPR COORDINATOR
VJIT

DATE: 26.04.2022 | TIME: 10.00 AM

REGISTRATION: FREE
FOR DETAILS CONTACT: 9443069524
E-CERTIFICATE WILL BE ISSUED TO ALL THE ACTIVE PARTICIPANTS WHO SUBMIT FEEDBACK.

CHIEF PATRONS:
DR. P. RAJESHWAR REDDY
M.C. SECRETARY & CORRESPONDENT
MRS. S. NEELIMA
JOINT SECRETARY, IIC

PATRONS:
DR. E. SAI BABA REDDY
DIRECTOR
DR. A. PADMAJA
PRINCIPAL

ORGANISERS:
MR. K. SRINIVASA RAO
CSE DEPARTMENT

CONVENERS:
DR. ARUNA KUMARI
M.C. COE
DR. M. MADHUL
ASSOCIATE PROFESSOR,
IC & IPR COORDINATOR



Live Interactive Webinar On Career Opportunities After Engineering

unacademy **VIDYA JYOTHI**
Institute of Technology
AN AUTONOMOUS INSTITUTION

**Live Interactive Webinar on:
Career Opportunities after
Engineering**

WEBINAR HIGHLIGHTS

- Various Career Opportunities after Engineering
- Examination Paper Pattern, Tips & Tricks to Crack Exams
- Preparation Strategy

**10th May
8:30PM**

Speaker
Suresh Vsr
Educator with a vast experience of 21 years in Competitive Teaching in Fields of GATE AND IES Reputed for ELECTROMAGNETICS , ANTENNAS, EDC

A Live Interactive webinar is organized for all the II & III B.Tech students on “Career Opportunities after Engineering”, on May 10, 2022 by Mr. Suresh VSR, having 21 years of Experience in competitive Teaching.

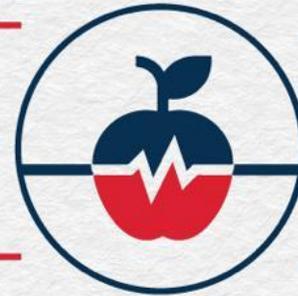


vjit.ac.in @vjit



WEBINAR ON NUTRITION FOR HEALTHY LIVING

HOW TO *BOOST* *IMMUNITY* IN CURRENT SCENARIO



ORGANISED BY VJIT NSS AND CSE DEPARTMENT
IN COLLABORATION WITH DR REDDY'S FOUNDATION
FOR HEALTH EDUCATION



SPEAKER
MS. JANNATH BEEVI
NUTRITIONIST

ZOOM LINK



DATE: 6-4-2022 | **TIME:** 2:30 PM

The Department of CSE and VJIT NSS in collaboration with Dr. Reddys Foundation for Health Education organized a webinar on “Nutrition for healthy living”, on 6th April 2022.

The speaker Ms. Jannath Beevi, Nutritionist shared her experience and suggested some health tips.

- How to reduce our weight in healthy way
- How to treat our obesity

Health Tips:

- Have small and frequent meals at regular intervals.
- Drink lot of water every day.

Fresher's Day-2022

Department of Computer Science & Engineering at Vidya Jyothi Institute of Technology (VJIT) has organized Fresher's day **SOLASTA-2022** on Saturday 26th March 2022 following COVID protocols. The management, staff and senior students heartily welcomed the first year students. The programme started at 10:00am with inaugural speeches by Dr. E Saibaba Reddy, Director VJIT, Dr. A Padmaja, Principal VJIT and Dr. D Aruna Kumari, Head of the Department CSE. Seniors delivered the vote of thanks and the program came to an end by 4:00 pm.

Fresher's day was arranged in a grand manner with various games, cultural events & other activities. All the senior students and juniors participated enthusiastically.



Inaugural speech by Dr. E Saibaba Reddy, Director VJIT, and Dr. Aruna Kumari, HoD CSE





Ms. and Mr. Fresher crowned at Fresher Party



The Backend-Organizers of the freshers Party

Faculty coordinators:

Mrs. S Divya, Assistant Professor CSE

Mrs. P Laxmipriya, Assistant Professor CSE



Mr. S Chanakya Varshit Reddy and Karthik, of II B.Tech CSE along with Mr. K Srinivas Rao, Assistant Professor visited ALEAP Kukatpally, Hyderabad on 25th may-2022 to attend entrepreneur program.
ALEAP: Established with an aim to bring Entrepreneurs trying to help each other on a common platform.

INDUSTRIAL VISIT to NRSC Outreach

Students and faculty of the VJIT and Anurag University, Hyderabad, have embarked on a journey to launch a satellite named ANURAGsat



The students of CSE Department working on OBC along with the students working on different subsystems of the satellite (59 students) are taken for the Industrial visit to NRSC Outreach at Jeedimetla Campus in Hyderabad on 29th April 2022. As students from CSE department are qualified and selected to work on the on Board Computer (OBC) Subsystem of the ANURAGsat.

During this visit:

- The students are given lectures & shown space programme related videos
- They also visited the exhibition arranged in the facility.

The students have gained the knowledge on:

- Remote sensing
- Various Centre's of ISRO in India and its importance
- The satellites launched by ISRO

Space-based applications

INDUSTRIAL VISIT to CCMB

An Industrial visit to Centre for Cellular & Molecular Biology(CCMB), Habsiguda, Uppal Road, Hyderabad, Telangana -500007 was organized by Department of Computer science & Engineering of VJIT on Wednesday,18th May 2022. Twenty nine students from B. Tech II Year CSE have visited.

Computer Science got opportunity to visit along with one faculty member are visited CCMB to interact about current market scenarios, Entrepreneurship, incubation centers, various research platforms in health and molecular biology etc..In this students are very eagerly waiting for listening to industrial higher authorities.

During the visit, the speakers are tells about research and ideas in the platform of health and molecular biology and how it was related to computer science. Students are motivated to start their own entrepreneurship and to start incubation of their ideas. On the afternoon session, the students are divided to batch of 10 pupils and they visited the various incubation centers in CCMB.As the authorities are showing their incubation centers students are shown much

Interest to check the incubation details like how to process, how to get and how the sponsors support the research.



DEPARTMENT OF CSE , CSE-DS, AI, IT

www.vjit.ac.in



IT'S TIME TO
PUT ON A SHOW!

UDHBHAV'22

A NATIONAL LEVEL
TECHNICAL FEST

at VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

12th - 13th May 2022

Events:

- Technical Treasure Hunt
- Crypt-O-Quest
- Design-a-thon
- Code Auction
- Game-N-Gain
- Project Expo
- Poster Presentation
- Paper Presentation

WIN
SEVERAL
EXCITING
PRIZES!

Convener: **Dr. Pallavi Badry**

Coordinators:

Faculty Coordinators: **Dr. Bhargavi Peddireddy(CSE)**, 9701281781
Dr. M. N. Rao(IT), 9652141888
Ch. Swetha(AI), 9550381682

Student Coordinators: **Joseph Nikhil(CSE)**, 9959366913
Siddartha(IT), 7842220311
Ashritha(AI), 9676003645

For more details,
scan the below QR code



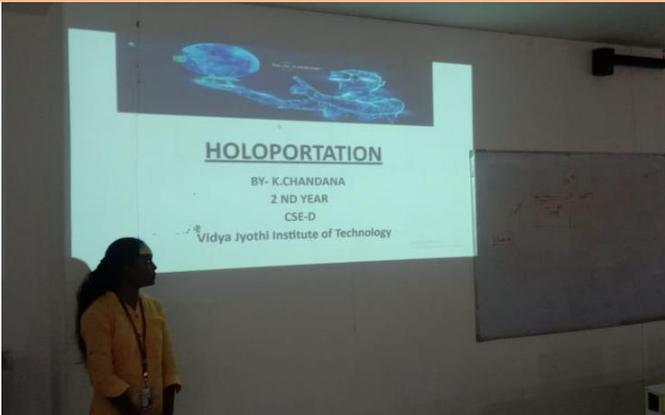
Tech Fest-2022 Highlights



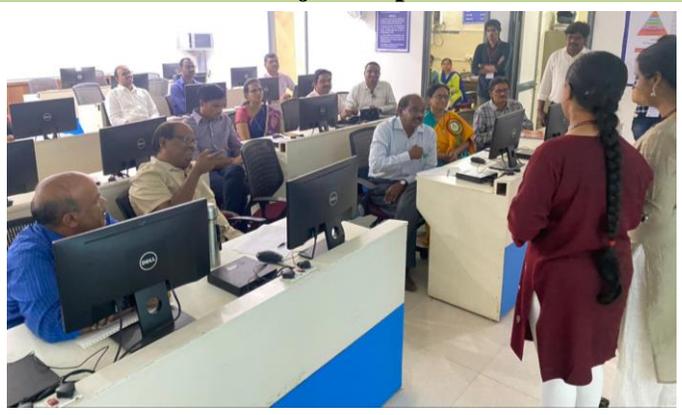
Poster Presentation



Project Expo



Paper Presentation



Technical Treasure Hunt



Game-N-Gain

The annual national level technical fest of VJIT “UDHBHAV’22” is organized during 12th-13th May 2022. TechFEST provides a platform to witness a magnificent fusion of science and technology with pure delight and enthusiasm.

While the technical events at techFEST have always proved to be the ultimate test of excellence, innovation and knowledge, the coding Events, Project Exhibition, paper and poster presentation have always thrilled, excited and provided a knowledge enriching experience to its spectators.

Events organized:

- Project Expo
- Poster Presentation
- Paper Presentation
- Technical Treasure Hunt
- Crypto-o-Quest
- Design-A-Thon
- Code Auction
- Game-N-Gain

FACULTY PUBLICATIONS

S No	Name of Author	Paper Title	Journal Name
1	Dr. D. Aruna Kumari	Machine Learning based automatic vehicle alert system	International Conference on research in sciences, Engineering & Technology (Springer Conference).AIP publishing, 2022
2	Dr. K.Ramesh Babu	An ad-hoc vehicle communication system for smart transportation sing IoT systems	International Conference on research in sciences, Engineering & Technology (Springer Conference).AIP publishing, 2022
3	Dr. KSRK Sarma	A smart automatic sanitizer dispenser and body temperature inspection machine	International Conference on research in sciences, Engineering & Technology (Springer Conference).AIP publishing, 2022
4	Dr. N Anusha	Automated Speckle Noise Suppression from Sentinel – 1A Synthetic Aperture Radar Imagery using Adaptive Filtering Techniques	6 th International Conference on Inventive Communication and Computational Technologies ICICCT 2022, 12-13 May, 2022 (Springer Conference). Namakkal, Tamil Nadu India
5	Dr. N. Anusha	Detection And Classification Of Vegetation Areas From Red and Near Infrared Bands Of Landsat-8 Optical Satellite Image, Applied Computer Science (ICI Journal), Vol. 18, No. 1, pp. 45–55, (2022) (Scopus Indexed).	(ICI Journal), Vol. 18, No. 1, pp. 45–55, (2022) (Scopus Indexed).
6	Dr. B.Vijayakumar	Application of Watermarking Along with Reversible Image Compression in Secure Medical Image Transmission Through a Network	International Conference on Communication and Computational Technologies Algorithms for Intelligent Systems.
7	Mr. R.R.S.Ravi Kumar	Efficient Distributed Matrix Factorization Alternating Least Squares (EDMFALS) for Recommendation systems using Spark	Journal of Information & Knowledge Management JIKM World Scientific.
8	Mr. Y Praveen Kumar	Classification of Image and Text Data Using Deep Learning-Based LSTM Model	International Information and Engineering Technology Association
9	Ms. A.Swarna Reddy	Age Classification Based on Relative-Features Derived on Circular and Elliptical Neighborhoods using Machine Learning Classifiers	Design Engineering

SPORTS

Sports Fest “CRESCENDO 2022” is organized at VJIT for all the students and staff to present all the appropriate guidance and scope of engagement in sports along with its positive impact to the youth. Appropriate training sessions are offered for all. Various teams from various colleges in and around Hyderabad have participated in the fest.



Celebrating the Spirit of Sports-CSE students emerge winners at Annual Sports CRESCENDO -2022



Lady faculty displayed an exceptional team spirit and explored their sporty side



Students: Winners in Cricket, Football.....

Faculty: Winners in badminton, carrom, throw ball, chess, and tug-of-war.....

- P Poojitha, II CSE and Team won the First Prize in Kho-Kho at VJIT



CSE-VJIT team stood Volley ball (Men) Runner-up in “Aether Techno-Cultural Fest-2022” organized by Mahindra University Hyderabad from 16-22, May 2022.

PLACEMENTS 2022-23



CONGRATULATIONS to all the ADP selected interns of CSE.

OUTCOME BASED EDUCATION

Department of Computer Science & Engineering

VISION

To produce the globally competent professionals in the field of Computer Science & Engineering

MISSION

- To provide state-of-the-art facilities in Computer Science and Engineering, through innovative teaching learning practices.
- To promote research and development in the frontier areas of Computer Science and Engineering and to work in interdisciplinary fields.
- To enrich students with discipline and high integrity to serve the society and to inculcate the spirit of ethical values and leadership abilities.
- To establish a collaborative environment between Industry and Academia.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Enhance the employability of the graduates in Software industries/Public sector/Research organizations.

PEO2: Acquire analytical and computational abilities to pursue higher studies for professional growth

PEO3: Work in multidisciplinary project teams with effective communication skills and leadership qualities

PEO4: Develop professional ethics among the students and promote entrepreneurial abilities

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: The ability to design and develop algorithms to provide optimized solutions for societal needs.

PSO2: Apply standard approaches and practices in Software Project Development through trending technologies.

PROGRAMME OUTCOMES (POS):

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

(AN AUTONOMOUS INSTITUTION)

Department of Computer Science & Engineering



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Edited & Compiled By

Abdul Majeed,

Assistant Professor

Computer Science & Engineering

Vidya Jyothi Institute of Technology.

Aziz Nagar Gate, Hyderabad-500075