Department of Information Technology

NEWS LETTER

Volume: 18 :: Issue: 01

EDITORIALTEAM

Faculty
Dr. D V Naga Raju

Student
Lalam Eswari
Petta Reshma

Shri Vishnu Engineering College for Women(A)Bhimavaram

Table Of Contents

About Department

Vision and Mission

Faculty Achievements

StudentAchievements

About Department

- Established in the year 2001.
- Initial intake of 60.
- Increased to 120 from the academic year 2008–09
- Increased to180 from the academic year 2020–21
- Certification courses
- Placements in Software Services and Product companies
- Activity based learning
- In-house development of projects
- State of the art labs

Vision And Mission

Vision

To establish unique identity by development of high quality IT engineers and technological resources for contributing to the economic and social development of the Nation at large and theregion in particular

Mission

- To provide for the holistic development of under graduate students in the Information Technology.
- To prepare students for careers in industryor to pursue advanced graduate studies to get involved in research activities.
- To provide a teaching environment that emphasizes continuous learning and inculcates professional ethics.
- To establish centers of excellence in various domains.

FACULTY ACHIEVEMENTS

MAY 2025

Journals

- Detection of Foliar Pathogens in Tomato Plant Using Deep Bidirectional Recurrent Neural Networks Optimized with Fennec Fox Optimizer
  Authors: Dr.S.Ravi Kumar, Dr.V.Pavan Kumar
  Journal: UGC Care Approved Journal, Manuscript Id: FJ25/C626, Zhuzao/Foundry[ISSN:1001-4977],VOLUME 28,ISSUE: 5,PAGE NO:120-135

- Blockchain technology for digital twin security in smart grids using interpretable generalized additive neural networks
  Author: Dr.S.Ravi Kumar
  Journal: SCI journal ,Peer-to-Peer Networking and Applications(2025) 18:172 , Volume 18, article number 172,https://doi.org/10.1007/s12083-025-01929-6, Springer on 09.05.2025.

Conferences

- Intelligent NLP-Driven Query System for Seamless Interaction with Relational Databases using CHATDB
  Presenter: Mr.V.S.N.Murthy
  Event: 3rd International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2025),CARE College of Engineering, Trichy, Tamil Nadu, India.

- A Hybrid Approach for Heart Disease Prediction using Principal Feature Extraction and Deep Forest Modeling
  Presenter: Mr.V.S.N.Murthy
  Event: 7th International Conference on Inventive Material Science and Applications (ICIMA-2025),Muthayammal engineering college,Rasipuram, Tamilnadu, India.

Certifications

- Programming In Java NPTEL Course certificate
  Awarded: Mr.S.Ravi Chandra
  Conducted by: IIT Kharagpur
- Introduction to Internet of Things NPTEL Course certificate
  Awarded: Mr.P.Vinay
  Conducted by: IIT Kharagpur.
- Deep Learning-IIT RoparNPTEL Course certificate
  Awarded: Mrs.B.Vimala Victoria
  Conducted by: IIT Madras.

FDP's/Workshops

- Emerging Trends and Research in Chemistry
  Participant: Mr.V.S.N.Murthy
  Organised by: B.V.RajuCollege(A),Bhimavaram from 06.05.2025-10.05.2025
- Instructional Design and Analytics for Teaching Effectively (IDEATE-14) Workshop
  Participant: Mr.K.Ramkumar
  Organised by: Vishnu Educational Development & Innovation Centre(VEDIC) , Hyderabad during 20.05.2025-22.05.2025.

APRIL 2025

Journals

- Online Payment Fraud Detection Using Machine Learning
  Author: Dr.V.Pavan Kumar
  Journal: Journal of Survey in Fisheries Sciences,DOI: https://doi.org/10.53555/sfs.v11i4.3556,Volume 11 - Issue 4 (2024)
- Combating Mid Day meal fraud using Facial Recognition
  Author: Dr.V.Pavan Kumar
  Journal: IJO -INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND ENGINEERING, Volume-08,Issue-03,ISSN:2814-1881,https://ijojournals.com/index.php/cse/index

Conferences

- Video Transcript Condenser System
  Presenter: Mr.S.Sreenivasu
  Event: 9TH International Conference on Information and Communication Technology for Intelligent Systems(ICTIS Thailand 2025).
- Automated Currency Validator
  Presenter: Mr.S.Sreenivasu
  Event: 9TH International Conference on Information and Communication Technology for Intelligent Systems(ICTIS Thailand 2025)
- Hybrid Multi-stage Network for Comprehensive Lung X-ray Analysis
  Presenter: Mr.S.Sreenivasu
  Event: 9TH International Conference on Information and Communication Technology for Intelligent Systems(ICTIS Thailand 2025).
- Enhanced Fashion Shopping using AI and Full Stack Integration for Cutting-Edge Trend Insights
  Presenter: Mr.M.SrinivasaRao
  Event: 9TH International Conference on Information and Communication Technology for Intelligent Systems(ICTIS Thailand 2025)

- Develop an AI-driven interview Optimization: For Enhancing Interview Skills
  Presenter: Mr.G.A.K.S.Rajeev Kumar
  Event: 9TH International Conference on Information and Communication Technology for Intelligent Systems(ICTIS Thailand 2025)
- AI-Powered Resume Parsing and Candidate Scoring for Efficient Hiring Workflows
  Presenter: Mr.D.SrinivasaRao
  Event: 9TH International Conference on Information and Communication Technology for Intelligent Systems(ICTIS Thailand 2025)
- Colour Analysis and classification based on deep Learning Technique
  Presenter: Mrs.Ch.RajaRajeswari
  Event: 9TH International Conference on Information and Communication Technology for Intelligent Systems(ICTIS Thailand 2025)
- Enhancing Crop Yield Prediction and Recommendation System for Farmers using Machine Learning
  Presenter: Dr.V.Pavan Kumar
  Event: 2 nd International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA-2025) organized by AdityaUniversity,Surampalem
- Advanced Video Anomaly Detection with Enhanced Feature Learning using Deep Convolutional Neural Nets and Context Mining Approach
  Presenter: Mr.V.S.N.Murthy
  Event: 8th International Conference on Inventive Computation Technologies(ICICT-2025) organized by Tribhuvan University, Nepal
- Multi-Modal Data-Driven Approach for Alzheimer's Disease Prediction with Feature Selection and Evaluation
  Presenter: Mr.V.S.N.Murthy
  Event: 8th International Conference on Inventive Computation Technologies(ICICT-2025) organized by Tribhuvan University, Nepal
- Secure Pool Mining Through SVM-Based Miner Classification and Computation Validation in Blockchain Networks
  Presenter: Dr.V.Pavan Kumar, Dr.S.Ravi Kumar, Mr.D.SrinivasaRao
  Event: 2024 OITS International Conference on Information Technology (OCIT),Conference Location: Vijayawada, India,Date of Conference: 12-14 December 2024,DOI: 10.1109/OCIT65031.2024.00102,Date Added to IEEE Xplore: 29 April 2025,Publisher: IEEE
- Strategic Miner Selection for Optimizing Block Generation Time in PoW-Based Blockchain Pool Mining Using SMNST Framework
  Presenter: Dr.S.Ravi Kumar
  Event: 2024 OITS International Conference on Information Technology (OCIT),Conference Location: Vijayawada, India,Date of Conference: 12-14 December 2024,DOI: 10.1109/OCIT65031.2024.00125,Date Added to IEEE Xplore: 29 April 2025,Publisher: IEEE.

Book Chapter

- The Impact of Cloud Computing on Organizational Agility and Competitive Advantage in Management Information Systems
  Author: Mr.D.SrinivasaRao
  Publisher: IGI Global Scientific publishing,ISBN13: 9798337310329,DOI: 10.4018/979-8-3373-1032-9.ch022

FDP's/Workshops

- Data Analytics for Multimedia Applications
  Participant: Mr.M.SrinivasaRao
  Organisedby:National Institute of Technical Teachers Training and Research,Chennai (NITTTR, Chennai)
- Data Analytics for Multimedia Applications
  Participant: Mr.V.S.N.Murthy
  Organised by: National Institute of Technical Teachers Training and Research,Chennai (NITTTR, Chennai)
- AI Tools for Research Writing
  Participant: Mr.V.S.N.Murthy
  Organised by: Manuscriptpedia,Kanniyakumari

MARCH 2025

Journals

- Edge-AI in IoT: Leveraging Cloud Computing and Big Data for Intelligent Decision-Making
  Author: Mr.V.S.N.Murthy
  Journal: Information Systems Engineering and Management,2025, 10(20s),e-ISSN: 2468-4376,https://www.jisem-journal.com/,P.No: 601-619
- ENHANCING KIDNEY STONE DETECTION: INTEGRATIVE ANALYSIS OF URINE ATTRIBUTES AND MEDICAL IMAGING
  Author: Mr.V.S.N.Murthy
  Journal: Theoretical and Applied Information Technology,Vol.103. No.4,ISSN: 1992-8645,E-ISSN:1817-3195,P.No:1334-1346
- EXPLORING THE POTENTIAL OF FEDERATED LEARNING TO EMPOWER CREDIT CARD FRAUDULENT TRANSACTION DETECTION WITH DEEP LEARNING TECHNIQUES
  Authors: Dr.D.V.NagaRaju,Dr.V.Pavan,Mr.D.Srinivasa,Mr.P.Vinay,Mr.G.A.K.S.Rajeev Kumar
  Journal: Engineering Sciences Journal, Vol. 07, No. 1 (2025) 329-342, doi: 10.24874/PES07.01B.012
- A Detailed Exploration of Elevating Cybersecurity through Quantum Computing: Innovative Deep Learning Strategies and Optimization Methods
  Authors: Dr.V.Pavan Kumar, Dr.S.Ravi Kumar
  Journal: Q4 International journal, Communications on Applied Nonlinear Analysis, ISSN: 1074-133X, Vol 32 No.9s (2025),Page No: 2432-2453

Conferences

- Machine Learning Classification Analysis on Leaf Disease Data
  Presenters: Dr.D.V.NagaRaju, Dr.G.Ratnakanth, Mr.K.DileepKumar,Mr.M.SrinivasaRao, Mr.P.Vinay, Mr.G.A.K.S.Ravi Kumar
  Event: Springer Proceedings in Mathematics & Statistics 441,https://doi.org/10.1007/978-3-031-51338-1_51,pp 645-655
- Genetic Disorder and Subclass Prediction Based on Machine Learning
  Presenter: Dr.R.N.D.S.S.Kiran
  Event: 7th International Conference hosted by SCAD College of Engineering and Technology, Tirunelveli
- Sustainable And Efficient Advanced Image Resolution Techniques For Diverse General And Marine Environments
  Presenter: Mr.M.SrinivasaRao
  Event: 2nd International Conference on Smart and Sustainable Energy Systems (ICSSES 2025) organized by Vishnu Institute of Technology (A),Bhimavaram
- Mrs.M.SumaBharathi has been Awarded the Best Paper Award for outstanding research and presentation of the paper entitled " " at the 2nd International Conference on Smart and Sustainable Energy Systems(ICSSES-2025) organized by Vishnu Institute of Technology (A),Bhimavaram during 14.03.2025-15.03.2025.

Reviewing

- 1st International Conference on Sustainable Computing & Intelligent Systems (ICSCIS-2025)
  Reviewer: Dr.R.N.D.S.S.Kiran
- 1st International Conference on Machine Intelligence and Data Science (MIDAS-2025)
  Reviewer:Dr.S.Ravi Kumar
- Computers and Electrical Engineering by Elsevier Reviewer.
  Reviewer: Mr.K.Dileep Kumar

FDP's/Summits

- GROWTH(X)-2025 Summit
  Participant: Dr.D.V.NagaRaju
- Revolutionizing Education with Generative AI: Teaching and Learning Strategies
  Participants: Mr.D.SrinivasaRao,Mr.K.Dileep Kumar
- Data Visualisation using PowerBI
  Participant: Mr.M.SrinivasaRao
- Cyber Security
  Participant:Mr.V.S.N.Murthy

ALUMNI MEET

SVES Alumni Meet @ Pune on 08th March, Saturday

Request all the alumni of Sri Vishnu Group of institutions in Pune, Mumbai, rest of Maharashtra to register, attend the event.

Date & Time: **08th March 2025, Saturday from 11 AM onwards**...

Alumni meet @Pune

FEBRUARY2025

Journals

- Encrypted File Sharing using Cloud for Educational Institutions
  Author:Dr.V.Pavan Kumar
  Journal: Grenze International Journal of Engineering and Technology, January Issue,
  Grenze ID: 01.GIJET.11.1.513_3, © Grenze Scientific Society, 2025,Page No: 329-336
- Ensemble Knowledge Distillation-based Federated Learning for Effective Intrusion Detection in Heterogeneous Networks
  Author: Dr.V.Pavan Kumar
  Journal:Grenze International Journal of Engineering and Technology, January Issue,
  Grenze ID: 01.GIJET.11.1.512_1, © Grenze Scientific Society, 2025, Page No: 302-308.
- Uncertain crime data analysis using hybrid approach
  Author: Mr.K.Dileep Kumar
  Journal: Discover Artificial Intelligence, Vol: 5,Issue No: 1,DOI:
  https://doi.org/10.1007/s44163-025-00234-8, Scopus Indexing

Book Chapters

- **Machine Learning Classification Analysis on Leaf Disease Data**
  Author: Mr.K.Dileep Kumar
  Publisher: Springer proceedings in mathematics & statistics, Page: 645–655,DOI:
  https://doi.org/10.1007/978-3-031-51338-1_51,Scopus Indexing

Reviewing

- **ChatGPT Feedback Versus Teacher Feedback in Project-Based Learning Context: Addressing Recent Feedback Engagement Agenda**

Reviewer:Mr.K.Dileep Kumar

Journal Name: Computers and Education Artificial Intelligence,Elsevier Reviewer ,Scopus Indexed Journal

- **Digital Twin for Smart Asset Management in Energy Industry: State-of-the-Art**

Reviewer:Mr.K.Dileep Kumar

Journal Name: Expert Systems With Applications,Elsevier Reviewer,Scopus Indexed Journal

FDP's/Workshops

- Innovate,Build,Scale: Entrepreneurial Mindset and Startup Frameworks
  Participants: Mr.S.RaviChandra ,Mr.K.Rambabu
  Date: 03.02.2025-07.02.2025
  Conducted by: Institution's Innovation Council(IIC),Shri Vishnu Engineering College for Women(A),Bhimavaram
- Revolutionizing Education with Machine Learning & Generative AI

Participant: Mrs.Y.YesuJyothi
Date: 03.02.2025-13.02.2025
Conducted by:Ministry of Electronics & Information Technology(MeitY),GOI & Organized by E&ICT Academy NIT Warangal, Telangana in association with Anil Neerukonda Institute of Technology &Sciences,AP

- AI Tools
  Participant: Mr.M.Raghu Chandra
  Date: 17.02.2025-21.02.2025
  Conducted by: Brainovision Solutions India Pvt.Ltd in colloboration with All India Council For Technical Education (AICTE)
- Next-Gen Network Security: Cryptography, AI, and Blockchain Solutions for Emerging Threats
  Participant: Mr.D.SrinivasaRao
  Date: 17.02.2025-22.02.2025
  Conducted by: National Institute of Technology Kurukshetra, Haryana
- Sustainable Carbon-Free Technologies for Hydrogen Generation and Storage
  Participant: Mr.V.S.N.Murthy
  Date: 24/02/2025 to 01/03/2025
  Conducted by: National Institute of Technology, Tiruchirappalli

SOFTWARE DEPLOYEMENT

- DrS.Ravi Kumar has been deployed the examination system for Vishnu Institute of PharmaceuticalEducation &Research (VIPER), Hyderabad on 19.02.2025.

JANUARY2025

Conferences

- Harvesting Growth: Leveraging Random Forests for Advancing Agricultural Productivity with Machine Learning
  Presenters:Dr.V.Pavan Kumar,Mr.G.A.K.S.Rajeev Kumar
  Event:International Conference on Algorithms and Computational Theory for Engineering Applications(ICACTEA2024) ,Springer Nature Link,pp 7–11
- Multi-Relational Graph Attention based Deptwise Separable Convolutional Neural Network for Spatio-Temporal Epidemic Forecasting
  Presenter:Dr.S.Ravi Kumar
  Event:9TH International Conference on Smart Trends in Computing and Communications,by Springer by GR Foundation,Pune,India.

Reviewing

- 4th International Conference on Power Control and Computing Technologies (ICPC2T-2025)
  Reviewers:Dr.V.PavanKumar ,Dr.S.Ravi Kumar
  Organized by:National Institute of Technology, Raipur

Patent

- MICROGRAVITY ELECTROMAGNETIC TOOL STABILIZATION DEVICE

  Patent Holder: Dr.V.Pavan Kumar

  Design Patent No:437191-001

  Dateoffiling:Nov11, 2024.

FDP's/Summits

- AP Digital Teaching Summit at Visakhapatnam

  Participants: Mr.P.V.RamaRaju, Dr.D.V.NagaRaju,Dr.S.Ravi Kumar

- Optimization Techniques and their Applications in Water Supply Systems Design by Ministry of Electronics & Information Technology(MeitY) in association with NIT Kurukshetra,Haryana

  Participant: Dr.R.N.D.S.S.Kiran

Student Achievements

Project Expo

ISTE Student Chapter in association with Institution's Innovation Council (IIC) conducted INNOVATE X - 2025: Institutional Innovation Challenge & Expo during 21st & 22nd February 2025

Project Title: Drymate – The Automatic Rain Protector", an innovative project designed to provide automatic protection during unexpected rainfall.

Team Members:

- G. Amrutha (23B01A12A0)
- M. Varshini (22B01A1296)
- G. Asritha (22B01A1252)

ISTE STUDENT CHAPTER:

T. Indu secured the Second Prize in the event *Innovators Ink* (written event) organized by the ISTE Student Chapter of Shri Vishnu Engineering College for Women on 15.02.2025.

R. Renuka Devi, T. Pranitha, S. Sravya, and L. Swetha secured the First Prize in the event *Clue Quest* (Treasure Hunt) organized by the ISTE Student Chapter of Shri Vishnu Engineering College for Women on 25.02.2025.

SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN
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Vishnupur, Bhimavaram-534202
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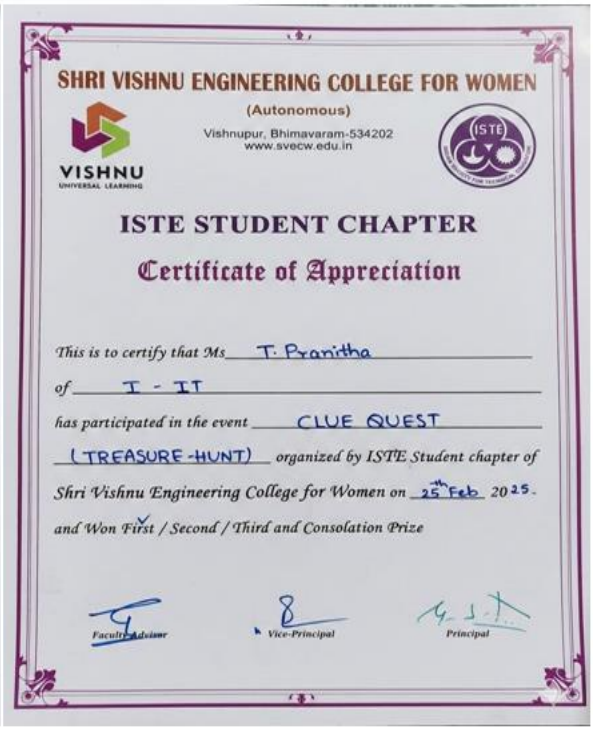
ISTE STUDENT CHAPTER
Certificate of Appreciation
This is to certify that Ms R. Renuka Devi
of I - IT
has participated in the event CLUE QUEST
(TREASURE-HUNT) organized by ISTE Student chapter of
Shri Vishnu Engineering College for Women on 25th Feb 2025.
and Won First / Second / Third and Consolation Prize
Faculty Advisor
Vice-Principal
Principal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This is to certify that Ms T. Pranitha
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has participated in the event CLUE QUEST
(TREASURE-HUNT) organized by ISTE Student chapter of
Shri Vishnu Engineering College for Women on 25th Feb 2025.
and Won First / Second / Third and Consolation Prize
Faculty Advisor
Vice-Principal
Principal

S. Sravya, and L. Swetha secured the First Prize in the event *Clue Quest* (Treasure Hunt) organized by the ISTE Student Chapter of Shri Vishnu Engineering College for Women on 25.02.2025.

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of I - IT
has participated in the event CLUE-QUEST
(TREASURE-HUNT) organized by ISTE Student chapter of
Shri Vishnu Engineering College for Women on 25th Feb 2025.
and Won First / Second / Third and Consolation Prize

Faculty Advisor | Vice-Principal | Principal

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This is to certify that Ms S. Sravya
of I - IT
has participated in the event (CLUE-QUEST)
(TREASURE-HUNT) organized by ISTE Student chapter of
Shri Vishnu Engineering College for Women on 25th Feb 2025.
and Won First / Second / Third and Consolation Prize

Faculty Advisor | Vice-Principal | Principal

Internships

- Bondada Pavan Srija (22B01A1221) and Panja Poojitha (22B01A12C3) were placed in Adobe.
- Bommidi Sravya (22B01A1220), secured positions at Amazon.
- Neerukonda Sri Lakshmi Annapurna (22B01A12B3) secured placements at Intuit.
- Desu Charishma Akshaya (22B01A1230), Paladugu Lekha Ravali (22B01A12B8) were placed in Fractal Analytics.
- Kola Sri Venkata Sai Bhumika (22B01A1264), joined Renault Nissan.