

# NEWS LETTER

## Department of Computer Science & Engineering

### TECH TIMES

A Half- Yearly Newsletter

**July 2023**

“The computer was born to solve problems that did not exist before.”  
— Bill Gates

**PRASAD V. POTLURI SIDDHARTHA  
INSTITUTE OF TECHNOLOGY**

## Department of Computer Science & Engineering

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(20501A05H0)III B.Tech

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The Department of Computer Science and Engineering was formed in the year 1999. The department has started B.Tech program with an initial intake of 40 in the year 1999 and 120 from 2007 onwards. The department has also started M.Tech program with an initial intake of 18 in the year 2006, and an increase in the intake to 36 in the year 2011. The department is accredited by NBA in the year 2007 for a period of 3 years and was reaccredited in the year 2012 for a period of 2 years. In 2019 department was accredited for a period of 3 years.

The department has 36 qualified teaching staff with 14 PhDs and 22 M.Techs. Our faculty members aim at delivering top class education blending their rich research experience with class room teaching. The entire faculty is involved in research activities and has published/presented papers in national and international journals and conferences.

The department has ACM student chapter and CSI student chapter. The department offers various certification training programs to students like APSSDC Mobile App Development Program to make the students well prepared to face the industry. The department has also established Intel FICE Lab to encourage students with new technologies.

## Guest Lectures / Workshops / Co-curricular events organized by Department

### The department of Computer Science and Engineering organized ---

- i. Guest Lecture on “Emerging Trends in AI & ML Applications” on 3-1-2023. **Resource Person:**

1. Dr. Rakesh Misra, Director, R & D Engineer, VM Ware, San Francisco, 2. Dr. Sarvya Nimmagadda, Senior Deep Learning Scientist, Autonomous Vehicles, NVIDIA, San Francisco

**Coordinators:** 1. Dr. M. Sailaja, Asst. Professor, 2. Ms. V. Swathi, Asst. Professor.



Fig.1: Guest Lecture on “Emerging Trends in AI & ML Applications”

- ii. One day workshop on “Python (Hands on)” for II B.Tech CSE students on 25-02-2023 in association with TCS, Hyderabad. Resource Person: Ms. Geetha kotha, Data Scientist Python developer, TCS, Hyderabad. Coordinators: Ms. Y. Manasa, Asst. Professor, 2. Mr. Y. Ayyappa, Asst. Professor.
- iii. Incollaboration with VVIT the PVPSIT University Innovative Fellow (UIF) Students Ms. T. Dhanya Sri, Ms. N. Veena Sree, Mr. P. Naga Raghavendra III B.Tech CSE and V. Sri Chandan of II B.Tech acted as resource persons in a seminar “Awareness on University Innovative Fellows (UIF)” on 22-02-23 under the guidance of faculty Mr. A. Prasanth, Assistant Professor, Department of CSE, PVPSIT.



Fig. 2: “Awareness on University Innovative Fellows (UIF)” on 22-02-23

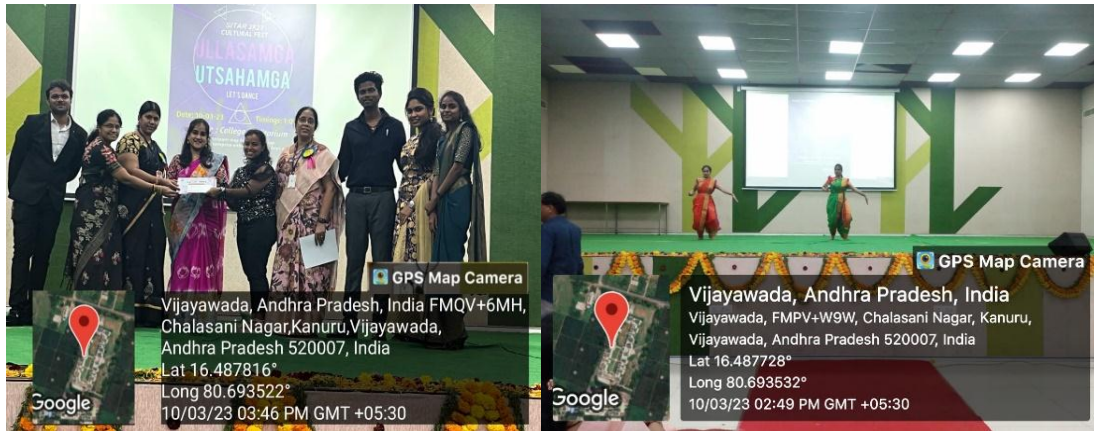
- iv. One Day FDP on "Fit & Fine" for Lady Faculty on 03-02-2022. Resource Person: Dr. A. Jaya Lakshmi, Head of the Department, Dept. of CSE, PVPSIT. Coordinators: 1.Ms. D. Sree Lakshmi, Asst. Professor, Ms. D. Deedepya, Asst. Professor
- v. One Week FDP on "Yoga in Daily Life" for lady faculty from 13-02-22 to 20-2-2023. Resource Person: Dr K.V.S.K Murthy, Yoga Trainer, PVPSIT. Coordinators: 1.Ms. D. Sree Lakshmi, Asst. Professor. Ms. D. Deedepya, Asst. Professor.
- vi. one day Seminar on" Awareness on University Innovative Fellows (UIF)" on 22-02-23.Resource Person: 1.Mr A.Prasanth, Assistant Professor, Department of CSE, PVPSIT, Ms. T.Dhanya Sri, III B.Tech CSE, Department of CSE, PVPSIT, Ms.N.Veenaa Sree, III B.Tech CSE, Department of CSE, PVPSIT, Mr.P.Naga Raghavendra, III B.Tech CSE, Department of CSE.
- vii. "Nidhi Anveshana" event on 10-3-23 as a part of SITAR 2K23. 68 teams participated in the event. This event has 3 rounds .First round is a puzzle round, out of 68 teams - 30 teams went to round-2. Among 30 teams, 20 teams participated in round-3 -coding round. A total of 136 participants have registered and participated. Coordinators: 1.Ms. D. Swapna, Asst. Professor 2. Mr. V. Rajesh, Asst. Professor. Prize Winners-First Prize: Ms.E.Vijayalakshmi and Ms. G.Aparna. of III CSE, PVPSIT Second Prize: Mr.M.Dharma Teja and Mr.K.Chaitanya. of III CSE, PVPSIT



**Fig.3: "Nidhi Anveshana" event on 10-3-23 as a part of SITAR 2K23, PVPSIT**

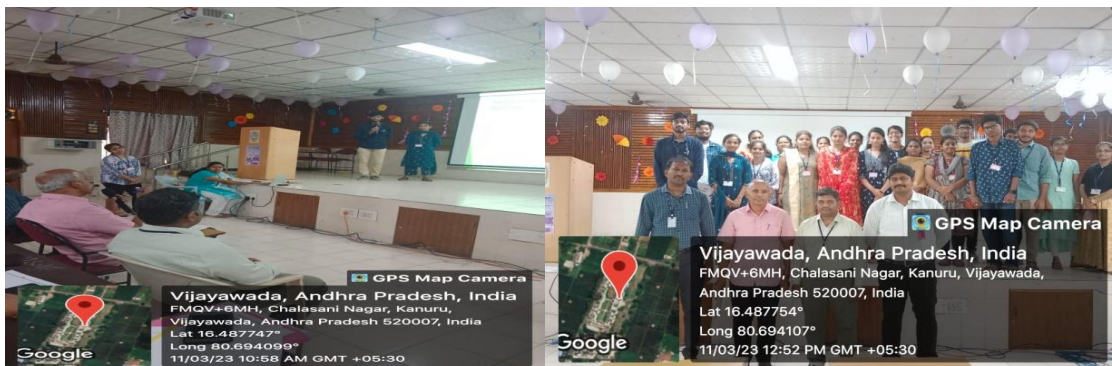
- viii. "Ullasamga Utsahamga" event on 10-3-23 as a part of SITAR 2K23. Ullasamga Utsahamga is a Cultural dance event with one single round. A total of 79 participants have registered and participated. Coordinators: 1.Ms. D. Sree Lakshmi, Asst. Professor.2.Mr. M. Ram Gopal, Asst. Professor. Prize Winners - First Prize: Mr. Y.Gangadhar,Mr.G.Vamsi, Mr. J.Seshu Kumar III CS,Nalanda Degree college.Second Prize: Ms. Ms. T.Yasaswi, IV CSE, PVPSIT.





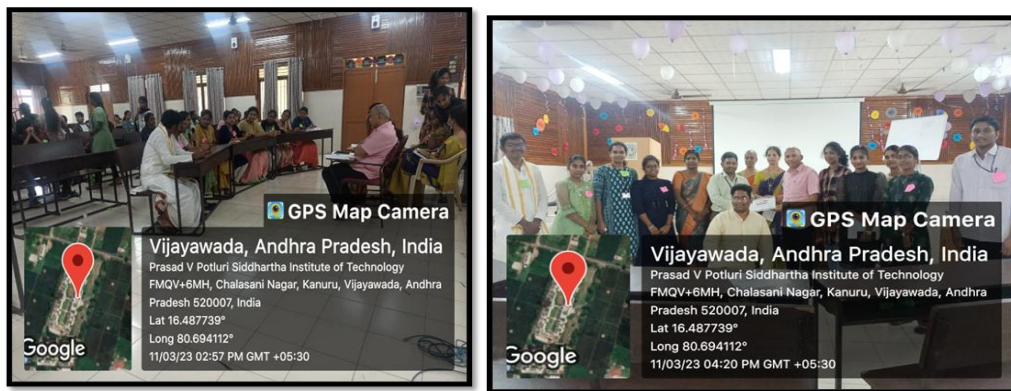
**Fig.4: “Ullasamga Utsahamga” event on 10-3-23 as a part of SITAR 2K23, PVPSIT**

- ix. “Kraya Vikraya” event on 10-3-23 as a part of SITAR 2K23. A total of 10 Teams have participated. Coordinators: 1. Ms.Y.Manasa, Asst. Professor. 2. Mr. A.Prasanth, Asst. Professor. Prize Winners - First Prize: Mr.D.Nokesh of IV Mechanical, PVPSIT , Second Prize: Ms. K. Lalitha,,Ms.N.Devi Sri, Ms.K.Preethi of I CSE, PVPSIT



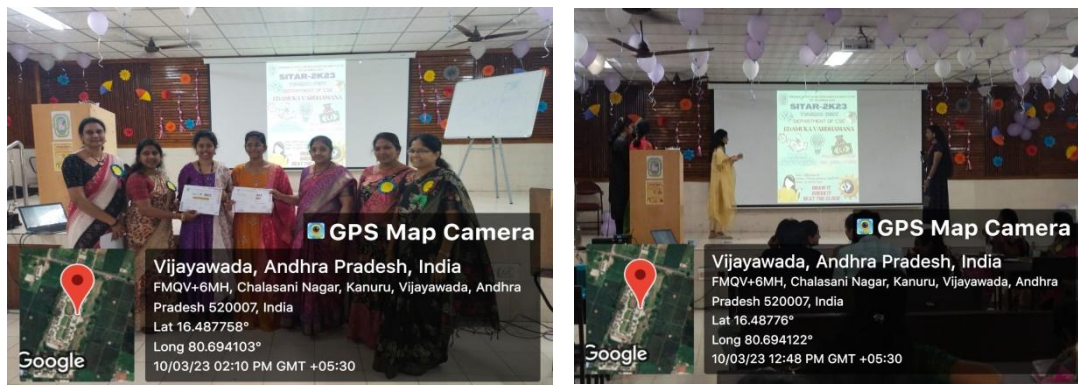
**Fig.5: “Kraya Vikraya” event on 10-3-23 as a part of SITAR 2K23, PVPSIT**

- x. Vakchaturyam event on 11-3-23 as a part of SITAR 2K23. Vakchaturyam is a Group Discussion Event consists of two rounds. In First Round, 4 Teams were participated with 8 members each, and given 2 minutes duration for each person. In Second Round ,i.e Final Round , 8 persons from the First Round were Qualified to the 2<sup>nd</sup> Round. A total of 43 participants have registered and participated. Coordinators: Dr. M. Sailaja, Asst. Professor. 2. Ms. Y. Surekha, Asst. Professor.Prize Winners - First Prize: Mr. G.Satwik of III CSE, Baptla Engineering College.Second Prize: Ms. S. S. P. V. Sai Lakshmi of II CSE, PVPSIT



**Fig.6: “Vakchaturyam” event on 10-3-23 as a part of SITAR 2K23, PVPSIT**

- xi. “Edamuka Vardhamana” event on 10-3-23 as a part of SITAR 2K23. A total of 72 participants have registered and participated. Coordinators: 1. Ms. T. Sri Lakshmi, Asst. Professor. 2. Ms. V.Swathi, Asst. Professor. Prize Winners - First Prize: Ms. A.Devi, Ms.A.Amuktha Sai of II CSE, PVPSIT, Second Prize: Ms. T.Pujitha and Ms.Y.Sai Bhargavi of II CSE, S.R. Gudlavalleru Engineering College.



**Fig.7: “Edamuka Vardhamana” event on 10-3-23 as a part of SITAR 2K23, PVPSIT**

- xii. Guest Lecture on “Industry Perspective of Block Chain Technology and its Real World Scenarios” on 28-4-23 for III year students. Resource Person: Tulasi Das Movva, MD, Onyx by J.P.Morgan, New York, USA. Coordinators: 1.Dr. G. Lalitha Kumari, Sr.Assistant Professor, 2.Ms. Y. Surekha, Assistant Professor.





Fig.:8: Guest Lecture on “Industry Perspective of Block Chain Technology and its Real World Scenarios”

- xiii. A Webinar as a part of Industry Institute Interaction “Understanding Data Structure Applications: Exploring IT roles and Categorization“ on 13-5-23 for II year students. Resource Person: Mr. B. Rajesh, Senior Software Engineer, Makonis Software Solutions Pvt Ltd, Bangalore. Coordinators: 1.Dr. S. Madhavi, Professor, 2. Ms. Y. Surekha, Assistant. Professor and 3. Dr. M. Sailaja, Assistant Professor.
- xiv. A Workshop in association with ACM Student Chapter on “Block Chain Technology and its Applications” for IV year students on 29-6-23 and 30-6-23. Resource Person: Prasanth Sahoo, Block Chain Certified Trainer. Coordinators: 1.Mrs.D.Swapna, Assistant Professor. 2. Dr.J.Rama Devi, Senior Assistant Professor.



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Fig.:9: Workshop on “Block Chain Technology and its Applications” on 29-6-23

- xv. Guest lecture on “How to prepare for campus interview & How to put more focus on problem solving” for IV Year students on 26-06-2023. Resource Person: Mr. Jonnakuti Narendra Kumar, Sr.Software Engineer, EPAM



Fig.10: Guest lecture on “How to prepare for campus interview & How to put more focus on problem solving” on 26-06-2023.

## Faculty Achievements

### a. Patents:

- i. Ms. D. Sree Lakshmi and Ms. A. Divya got grant for the patent “Virtual Shopping Facilitation Module Associated with Robotic Cart and Augmented Reality Glasses” with Patent No.:418613 on 19-1-2023.

### b. Guest lecturers delivered: NIL

### c. Reviewers of journals:

- i. Dr.P.Naga Srinivasu acted as an adhoc Reviewer for Applied Science and IJMS, MDPI.
- ii. Dr.P.Naga Srinivasu acted as a reviewer for Scientific Committee Member for International Virtual Conference on Advancements in Sustainable Technology.
- iii. Dr.P.Naga Srinivasu acted as an adhoc reviewer for Diagnostics, MDPI.
- iv. Dr. Naga Srinivasu acted as an adhoc Reviewer for Knowledge and Information Systems, Springer.
- v. Dr. Naga Srinivasu acted as an adhoc Reviewer for MTAP, Springer.
- vi. Dr. Naga Srinivasu acted as an adhoc Reviewer for Wireless Networks, Springer.
- vii. Dr.S.Phani Praveen acted as reviewer to the Journal of Supercomputing in Feb 2023.



- viii. Dr.S.Phani Praveen acted as reviewer to Journal of Cloud Computing in Feb 2023.
- ix. Dr.S.Phani Praveen acted as reviewer to Neural Processing Letters Journal in March 2023.
- x. Dr. S. Phani Praveen was the reviewer for The Journal of Supercomputing.
- xi. Dr. S. Phani Praveen was the reviewer for Neural Processing Letters.
- xii. Dr. S. Phani Praveen was the reviewer for Journal of Cloud Computing.

**d. Faculty Participation (as a Judge, Guest, or BOS member, & Chairing a session, etc.):**

- i. Dr.P.Naga Srinivasu is an Editorial Board member for International Journal of Architectural Engineering Technology (IJAET) a peer-reviewed, interdisciplinary journal published by Avanti publications.
- ii. Dr. P Naga Srinivasu **received a grant** of **Rs.3,30,092/-** for the project “ Smart Security Framework for Sensor Data in Ambient Assisted Tech.(SSD-AAT) “ with Grant Number 2965 from Deanship of Scientific Research, Saudi Arabia.

**e. Ph.Ds awarded :. NIL**

**f. Projects applied for external agencies: NIL**

**Faculty Publications/ Conferences**

**a) SCI/SCIE/ESCI:**

- i. Dr.P.Naga Srinivasu published a paper “XAI Framework for Cardiovascular Disease Prediction Using Classification Techniques” in Electronics, MDPI , Vol-11, Issue-24, Dec-22 ISSN:2079-9292, in Jan’2023. **(Scopus ) (SCI)**
- ii. Dr.P.Naga Srinivasu published a paper “AAL and Internet of Medical Things for Monitoring Type-2 Diabetic Patients ” in Diagnostics, MDPI, Vol-12, Issue-11, Nov-22 ISSN:2075-4418, in Jan’2023 **(Scopus ) (SCI)**
- iii. Dr.P.Naga Srinivasu published a paper “Using Recurrent Neural Networks for Predicting Type-2 Diabetes from Genomic and Tabular Data” in Diagnostics, MDPI, Vol-12, Issue-12, Dec-22 ISSN:2075-4418, in Jan’2023 **(Scopus ) (SCI)**
- iv. Dr.P.Naga Srinivasu published a paper “A Transfer learning-based system for grading breast invasive ductal carcinoma” in IET Image Processing, Sep-22 ISSN:1751-9667, in Jan’2023 **(Scopus ) (SCI)**
- v. Dr.M.Sailaja published a paper “Applications of Machine Learning in for Fake News Detection in Social Networks” in International Journal of Trends in Computing and Communication, Vol-20, Issue-2s, Dec-22, ISSN:2321-8169, in Feb’2023 **(Scopus )**

- vi.** Dr.S.Phani Praveen published a paper “IOT-Enabled Healthcare Data Analysis in Virtual Hospital Systems Using Industry 4.0 Smart Manufacturing” in International Journal of Pattern Recognition and Artificial Intelligence, Feb-2023, ISSN:1793-6381 (**SCI**)
- vii.** Dr.S.Phani Praveen published a paper “6G assisted federated learning for continuous monitoring in wireless sensor network using game theory” in Wireless Networks, Feb-2023, ISSN:1572-8196 (**SCI**) (**Scopus** )
- viii.** Dr.S.Phani Praveen published a paper “A Hybrid Gravitational Emulation Local Search-Based Algorithm for Task Scheduling in Cloud Computing” in Mathematical Problems in Engineering, Feb-2023, Vol-2023, ISSN:1563-5147(**SCI**) (**Scopus** )
- ix.** Ms.T.Sree Lakshmi published a paper “Hyper Parameter Optimization for Transfer Learning of ShuffleNetV2 with Edge Computing for Casting Defect Detection” in Journal of Scientific & Industrial Research, Vol-82, Feb-2023, with ISSN: 0022-4456 (**SCI**)
- x.** Mr.D.Lokesh Sai Kumar published a paper “Factors determining customers desire to analyse supply chain management in intelligent IoT” in Journal of Combinatorial Optimization, Vol-45, Issue-3, with ISSN:1573-2886, in Mar’2023 (**SCI**) (**Scopus** )
- xi.** Ms.Y.Manasa published a paper “Recognition of home activities for incomplete spinal cord injury areas utilizing models of hidden Markov simulation” in Signal, Image and Video Processing, Mar-23, Issue-2, with ISSN: 1863-1711 (**SCI**) (**Scopus** )
- xii.** Ms.Y.Manasa published a paper “Prediction of patient’s neurological recovery from cervical spinal cord injury through XGBoost Learning approach” in European Spine Journal, Vol-32, Issue-6, June 23, ISSN:1432-0932 (**SCIE**) (**Scopus**)
- xiii.** Dr.K.Koteswara Rao published a paper “Empirical Investigation to Skin Lesion Detection Using DenseNet Convolutional Neural Network” in Traitement du Signal, Vol-40, Issue-2, April 2023 with ISSN:0765-0019 (**SCIE**) (**Scopus** )
- xiv.** Dr.R.Daniel published a paper “Quantum Dwarf Mongoose Optimization With Ensemble Deep Learning Based Intrusion Detection in Cyber-Physical Systems” in IEEE Access, Vol-11, Jun-23, ISSN:2169-3536 (**SCI**) (**SCOPUS**)
- b) Scopus indexed journals:**
  - i.** Dr.A.Jaya Lakshmi published a paper “Swarm Based Optimization for Image Dehazing from Noise Filtering Perspective” in Ingeniere des Systemes d’Information, Vol-27, Issue-4, Aug-2022, with ISSN: 1633-131, in Jan’2023 (**Scopus** )

- ii. Ms.D.Swapna published a paper “Block chain – based voter registry management system” in International Journal of Advanced Technology and Engineering Exploration, Vol-10, Issue:101, with ISSN: 2394-7454 (**Scopus** )
- iii. Mr.M.Ram Gopal published a paper “Masked Facial Recognition in Security Systems Using Transfer Learning” in SN Computer Science, Jan-2023, Volume-4, Issue-1, ISSN: 2661-8907 (**Scopus** )
- iv. Ms.D.Swapna published a paper “Security Model for Cloud Services Based on a Quantitative Governance Modeling Approach” in Journal of Theoretical and Applied Information Technology, Vol-101, Issue-7, April 2023 with ISSN: 1817-3195.(**Scopus** )
- v. Ms.Y.Surekha, Dr.K.Koteswararao and Dr.G.Lalitha Kumari published a paper “ Prediction of chronic kidney disease with machine learning models and feature analysis using SHAP” in Revue d’Intelligence Artificielle, Vol-37, Issue-2, April 2023 with ISSN: 0992-499X (**Scopus** )
- vi. Mr.N.V.Ramana Gupta published a paper “Optimizing student engagement in edge-based online learning with advanced analytics” in Array :Elsevier, Vol-19, June-23, ISSN:2590-0056 (**Scopus** )

**c) UGC/other journals:**

- i. Dr.A.Jaya Lakshmi published a paper “Image De-Hazing based on Krill Herd Optimization Algorithm” in Intelligent Systems and Applications in Engineering , Vol-11, Issue-1, Jan-23, with ISSN:2147-6799 .
- ii. Ms.A.Ramana Lakshmi published a paper “ Intelligent Financial Fraud Detection using NODE2VEC and Machine Learning Models” in Advanced Engineering Science, Vol-54, Issue-2, ISSN: 2096-3246.
- iii. Mr.P.Anil Kumar published a paper “Image Segmentation Based On Tint Using Data Mining Techniques” in Journal of Theoretical and Applied Information Technology, Vol-101, Issue-11, May 2023 with ISSN: 1817-3195
- iv. Ms.A.Madhuri and Dr.S.Phani Praveen published a paper “Granulation-Based Data Fusion Approach for a Critical Thinking WorldView Information Processing”, in Journal of Intelligent Systems and Internet of Things, Vol-9, Issue-1, June-23, ISSN: 2690-6791
- v. Dr.R.Daniel published a paper “Modified Metaheuristics with Transfer Learning Based Insect Pest Classification for Agricultural Crops”, in Computer Systems Science and Engineering, Vol-46, Issue-3, April-23, ISSN:026-6192

- vi. Dr.R.Daniel published a paper “ENHANCING ROUTING IN SENSOR NETWORKS USING DFO-PEG”, in Dogo Rangsang Research Journal, Vol-13, Issue-4, April-23, ISSN:2347-7180
- vii. Mr.L.V.Krishna Rao published a paper “Evaluative Study of Machine Learning Classifiers in Predicting Heart Failure: A Focus on Imbalanced Datasets”, in International Information and Engineering Technology Association, Vol-28, No-3, June-23, ISSN: 1633-1311

**d) Book chapters:**

- i. Dr.J.Rama Devi published a book chapter “Detection of Cyber Crime Based on Facial Patterns Enhancement Using Machine Learning and Image Processing Techniques” in Book “Using Computational Intelligence for the Dark Web and Illicit Behavior Detection”, ISBN: 9781668464441 (**Scopus**) DOI: 10.4018/978-1-6684-6444-1.

**e) Conferences:**

- i. Ms.T.Sri Lakshmi and Dr.B.Lakshmi Ramani presented and published a paper “An Ensemble Model to Detect Parkinson’s Disease Using MRI Images” in International Conference on Information Systems Design and Intelligent Applications, Volume 494, ISBN:978-981-19-4863-3. (**Scopus** )
- ii. Dr.S.Phani Praveen presented and published a paper “An Adaptive Load Balancing Technique for Multi SDN Controllers” in International Conference on Augmented Intelligence and Sustainable Systems (ICAISS), ISBN: 978-1-6654-8962-1. (**IEEE**) (**Scopus** )
- iii. Mr.D.Lokesh Sai Kumar presented and published a paper “Secured Data Access Management for Cyber Threats using Artificial Intelligence” in 6<sup>th</sup> International Conference on Electronics, Communication and Aerospace Technology, ISBN: 978-1-6654-8271-4 (**IEEE**) (**Scopus** )
- iv. Ms.D.Sree Lakshmi and Ms.A.Divya published a paper “A Study and Analysis of Pedestrian Detection and Tracking Through Rear-View Images” in Ingenierie des Systemes d'Information, Vol-28, Issue-1, April 23 with ISSN:1633-1311 (**Scopus** )
- v. Mr.A.Prasanth presented and published a paper “ Analysis of Implementation of Artificial Intelligence in the sports Activity”, in 8th International Conference on Science Technology Engineering and Mathematics (ICONSTEM), 6<sup>th</sup> and 7th April-2023, ISBN:979-8-3503-4779-1 (**Scopus** )
- vi. Mr.A.Prasanth presented and published a paper “ Application of Cloud Computing and Big Data in Accounting Software”, in 8th International Conference on Science Technology Engineering and Mathematics (ICONSTEM), 6<sup>th</sup> and 7th April-2023, ISBN:979-8-3503-4779-1 (**Scopus** )



- vii.** Ms.A.Madhuri presented and published a paper “Statistical Analysis of Design Aspects on various Graph Embedding Learning Classifiers” in 7th International Conference on Computing Methodologies and Communication (ICCMC),ISBN:978-1-6654-6408-6 (**Scopus** )

#### **Workshops/Faculty Development Programs attended by the faculty**

##### **a) Seminars/Webinars:**

- i. Mrs V.Swathi, Ms. D. Deedepya, Mr S.krishna Kishore participated 5-Days National Seminar on "Emerging Trends in Intelligent Computing" organized by VIT-AP University, Amaravati from 14-03-23 to 18-03-23.
- ii. Dr. M. Sailaja participated in the International Webinar on Demystifying Cloud, Containers & Automation hosted by Botho University, Botswana in association with ipsr solutions limited, India on 10-3-2023.

##### **b) Workshops:**

- i. Mr S.Krishna Kishore attended a 2-Days workshop on " Development of IOT System for Targeted Applications using ARM" organized by PVPSIT in association with Physitech Electronics Hyderabad from 21-6-23 to 22-6-23.

##### **c) STTP/STCs:**

- i. Mr B.Vishnu Vardhan participated in 1-Week online STTP on "Applications of Machine Learning and Deep Learning in Image and Video Processing” organized by Centre for Continuing Education National Institute Of Technology, Warangal & Department of Electronics & Communication Engineering Sreenidhi Institute of Science and Technology, Hyderabad from 27-12-22 to 31-12-22

##### **d) Faculty Development Programmes:**

- i. Mr P.Anil Kumar participated in 1-Week FDP on" Applications of Computer Vision using Deep Learning" organized by Seshadrirao Gudlavalleru Engineering College, Gudlavalleru from 20-02-23 to 25-02-23.
- ii. Dr B.Lakshmi Ramani participated in 1-Week FDP on" Data Science For Engineers" organized by VNR Vignana Jyothi Institute of Engineering and Technology , Hyderabad from 23-01-23 to 28-01-23.
- iii. Mrs V.Swathi participated in 1-Week FDP on “Natural Language Processing (NLP)” organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad from 13-02-23 to 17-02-23.

- iv. Mrs V.Swathi, Mr B.Vinay Kumar, Mr S.Krishna Kishore participated in 1-Week FDP on "Thesis and Research Paper Writing" organized by NITTTR, Kolkata from 30-01-23 to 03-02-23.
- v. Dr. B. Lakshmi Ramani, Ms.D. Sree Lkashmi, Ms.T. Sri Lakshmi, Ms.A. Divya, Ms. D. Dedeepya, Ms.Y. Manasa, Ms.V. Swathi, Ms.A. Madhuri, Dr. J. Rama Devi, Ms.D. Swapna, Dr. M. Sailaja, Ms. Y. Surekha, Ms.B. Bhagya Lakshmi, Ms.P. Anusha, Ms. M. Ganga Sri participated in 1-Day FDP on "Fit & Fine" for Lady faculty on 03-02-2022.
- vi. Dr. A. Jaya Lakshmi, Dr. B. Lakshmi Ramani, Ms.D. Sree Lkashmi, Ms.T. Sri Lakshmi, Ms.A. Divya, Ms. D. Dedeepya, Ms.Y. Manasa, Ms.V. Swathi, Ms.A. Madhuri, Dr. J. Rama Devi, Ms.D. Swapna, Ms.B. Bhagya Lakshmi, Ms.P. Anusha participated in 1-Week FDP on "Yoga in Daily Life" for lady faculty from 13-02-22 to 20-2-2023.
- vii. Ms. A. Ramana Lakshmi participated in One-Week online FDP on “ Foundations and Applications of AI in Healthcare” organized by Dept. of CSE, ANITS, in association with ShodhGuru Innovation and Research Labs, India from 16-1-23 to 20-1-23.
- viii. Mrs A.Ramana Lakshmi participated in 1-Week online FDP on "Foundations and applications of AI in Healthcare organized by ANITS in collaboration with shodhguru innovation and research labs, Vishakapatnam from 16-1-23 to 20-1-23.
- ix. Ms. D.Sree Lakshmi, Ms. A.Divya, Ms. P.Dedeepya participated in 2-Weeks online FDP on "Machine Learning and Deep Learning Applications" organized by E&ICT , NITW in association with CMR Engineering college, Hyderabad from 13-02-23 to 22-02-23.
- x. Dr. G. Lalitha Kumari, Dr. M. Sailaja, Ms. Y. Surekha participated in Online faculty Development Programme on “Machine Learning for Data Analytics” sponsored by Ministry of Elecctronics & Information Technology GoI organized by E&ICT , NITW and NITT from 20-2-23 to 2-3-23.
- xi. Dr. M. Sailaja participated in 1-Week online FDP on “Advanced Excel with Data Visualization “ organized by E&ICT Academy , IIT Kanpur from 13-02-2023 to 17-02-202
- xii. Dr G.Lalitha Kumari, Mrs Y.Surekha participated in 1-Week FDP on" Machine Learning in Big Data Applications and Security Challenges" organized by MLR Institute of Technology, Dundigal, Hyderabad from 24-04-23 to 29-04-23.
- xiii. Mr A.Prasanth participated in 1-Week FDP on" Machine Learning” organized by E&ICT Academy, IIT Kanpur from 27-03-23 to 2-04-23.

- xiv. Mr A.Prasanth participated in 1-Week FDP on “Block Chain” organized by E&ICT Academy, IIT Kanpur from 20-03-23 to 24-03-23.
- xv. Mrs T.Sri Lakshmi participated One week National level online FDP on "ChatGPT & AI Tools" organized by Marian College, Kuttikkanam, Kerala from 14-6-23 to 21-6-23.
- xvi. Mrs A.Ramana Lakshmi participated One week FDP on "Natural Language processing and Semantic Modeling" organized by Anil Neerukonda institute of Technology Visakhapatnam from 03-04-23 to 8-4-23.
- xvii. Dr J.Rama Devi participated 2-Weeks FDP on "AI Applications for Engineers" organized by E&ICT Academy, NITW in association with Pimpri Chinchwad college of engineering and Research, Ravet from 23-01-23 to 1-2-23.

**e) Guest Lectures**

- i. Mrs V.Swathi participated in One Day Foreign Guest Lecture on " “Digital Transformation of Modern Business : The 4th Industrial Revolution” organized by School of Computer Science & Engineering (SCOPE), VIT-AP University on 2-12-22.

**viii. Conferences:**

- i. Dr B.Lakshmi Ramani presented a paper “Traffic sign Recognition and Detection using CNN” in 6th International Conference on Electronics, Communication and Aerospace Technology (ICECA 2022) organized by RVS Technical Campus, Coimbatore, Tamilnadu, India
- ii. Dr. S. Phani Praveen and Mrs D.Swapna presented a paper “Brain Metastasis Tumour detection using Image segmentation and VGG16 Architecture “ in 5th International Conference on Smart Systems and Inventive Technology (ICSSIT) organized by Francis Xavier Engineering College Tirunelveli, India from 23-1-23 to 25-1-23.
- iii. Dr. S. Phani Praveen and Mrs D.Swapna presented a paper “A Network Monitoring model based on convolution neural networks for unbalanced network activity” in 5th International Conference on Smart Systems and Inventive Technology (ICSSIT) organized by Francis Xavier Engineering College Tirunelveli, India from 23-1-23 to 25-1-23.
- iv. Mrs A.Madhuri presented a paper “CNN Based Mood detection using facial Expression” in 5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023) organized by Francis Xavier Engineering College, Tirunelveli, India from 23-01-23 to 25-01-23

- v. Dr J.Rama Devi participated in 5th International Conference on Material science and Manufacturing Technology (ICMSMT-2023) organized by Akshaya college of engineering and Technology Coimbatore Tamilnadu from 13-4-23 to 14-4-23.

**i. Awareness programmes/Interaction meet/Quizzes, etc: NIL**

**ii. MOOCs courses completed by the faculty:**

- i. Mrs V.Swathi completed 2-Weeks certification course on "Machine Learning:Natural Language processing in Python (V2) organized by Udmey from 10-1-23 to 23-01-23.
- ii. Mr A.Prasanth completed 2-Weeks AICTE Training Certificate on "Innovation Ambassador" (Advanced Level) organized by MoE's Innovation cell & AICTE& IIC from 25-01-23 to 08-02-23.
- iii. .Ms P.Dedeepya, Mrs P.Anusha,Mrs V.Swathi completed one year certificate course on "Microsoft certified: Azure Security Engineer Associate" organized by PVPSIT, Vijayawada.
- iv. Mr P.Anil Kumar completed Coursera course on "Machine Learning for all" from University of London on 20-06-23.
- v. Mr K.Michael Sadgun Rao completed NPTEL AICTE Course on " The Joy of computing using python" organized by IIT Madras

**Student Achievements**

**Co-curricular Activities:**

**Participation:**

- i. Ms.P. Mounika Sai (19501A05C0) of IV CSE won the 1<sup>st</sup> Prize and received Rs. 50,000 cash voucher in season 1 of the Miss and Mrs. Sathyabhama Traditional Fashion Show-2023 program competitions organized by Sreshtas Boutique in association with Neha Events on January 21<sup>st</sup>, 2023, in Vijayawada.
- ii. Mr.P.Darshit (21501A0536) of II CSE won the 1<sup>st</sup> Prize and received Rs. 2,000 cash prize in the explicit expressions in AFOSEC'23 organized by VRSEC, Vijayawada held on 24<sup>th</sup> and 25<sup>th</sup> February, 2023.
- iii. 10 Students from II and 11Students III B.Tech CSE students participated in various technical events AFOSEC 23 organized by VRSEC,Vijayawada held on 24<sup>th</sup> and 25<sup>th</sup> February, 2023.
- iv. Ms.E.Vijayalakshmi and Ms.G.Aparna. of III CSE secured First place in Nidhi anveshanam event organized by CSE , PVP Siddhartha Institute of Technology on the eve of SITAR2K23 TECHNO FEST 10-03-2023.



- v. Mr.M.Dharma Teja and Mr.K.Chaitanya. of III CSE secured Second place in Nidhi anveshanam event organized by CSE , PVP Siddhartha Institute of Technology on the eve of SITAR2K23 TECHNO FEST 10-03-2023
- vi. . Ms. A.Devi and Ms.A.Amuktha Sai of II CSE secured First place in Edamuka Vardhamana event organized by , CSE,PVP Siddhartha Institute of Technology on the eve of SITAR2K23 TECHNO FEST 10-03-2023.
- vii. Ms. T.Pujitha and Ms.Y.Sai Bhargavi, SRGEC,Gudlavalleru of II CSE secured Second place in Edamuka Vardhamana event organized by , CSE,PVP Siddhartha Institute of Technology on the eve of SITAR2K23 TECHNO FEST 10-03-2023.
- viii. Mr.D.Nokesh of IV Mechanical secured First place in Kraya Virkraya Kridaevent organized by CSE, PVP Siddhartha Institute of Technology on the eve of SITAR2K23 TECHNO FEST 11-03-2023.
- ix. Ms. K. Lalitha,,Ms.N.Devi Sri, Ms.K.Preethi of I CSE secured Second place in Kraya Virkraya Kridaevent organized by CSE, PVP Siddhartha Institute of Technology on the eve of SITAR2K23 TECHNO FEST 11-03-2023.
- x. Mr.B.Eswar Kumar (20501A0522) III B.Tech achieved Top 1% in “Programming in JAVA” and have been shortlisted for NPTEL Summer Internship-2023 under Prof. Debasis Samanta, IIT Kharagpur.
- xi. Mr. Kota Gopichand (19501A05A3), of IV CSE won First Prize with **One Lakh cash** reward under **Influential Student Award** Category ,APSCHE Excellence Awards 2023, JNTUK on 20<sup>th</sup> June 2023.



**Fig.11: Mr. K. Gopichand (19501A05A3), of IV CSE won First Prize with One Lakh cash reward under Influential Student Award on 20-6-2023**

- xii. Mr.B. Eswar Kumar (20501A0522) of III B.Tech achieved Top 1% in “Programming in JAVA” and have been shortlisted for NPTEL Summer Internship-2023 under Prof. Debasis samanta, IIT Kharagpur.
- xiii. Mr.J.Manoj Kumar, (20501A0568) has participated in Hackstart conducted by Entrepreneurship Cell, IIT Madras in E-Summit 2023.
- xiv. Mr.J. Dinesh, (20501A0569) has participated in Hackstart conducted by Entrepreneurship Cell, IIT Madras in E-Summit 2023.
- xv. Mr.J. Dinesh, (20501A0569), has participated in Business Simulation Game conducted by Entrepreneurship Cell, IIT Madras in E-Summit 2023.
- xvi. Mr.K.Chaitanya,(20501A0575), has participated in Hackstart conducted by Entrepreneurship Cell, IIT Madras in E-Summit 2023.
- xvii. Mr.Dharma Teja M (20501A05B9) and Mr.G.Hari Krishna (20501A0557) of III CSE are selected among 40 students across India who had applied for ACM Summer School on Algorithms for Data Science from 26<sup>th</sup> June to 7<sup>th</sup> July, 2023 hosted by Amrita Vishwa Vidyapeetham, Coimbatore.
- xviii. Mr.G.Venkata Raju (20501A0553) of III CSE selected among 40 students across India who had applied for ACM Summer School on Algorithms for Data Science from 19<sup>th</sup> to 30<sup>th</sup> June, 2023 hosted by IIT Palakkad, and sponsored by National Supercomputing Mission (NSM) and IIT Palakkad Technology IHub Foundation (IPTIF)
- xix. Ms.Pragna Y (21501A05J5) of II CSE selected among 40 students across India who had applied for ACM Summer School on Algorithms for Data Science from 14<sup>th</sup> to 24<sup>th</sup> June, 2023 hosted by IIT Hyderabad, and sponsored by TCS Research.
- xx. Mr.J.Dinesh (20501A0569), Ms. P.Rajya Lakshmi (20501A05E6) of III CSE were selected for Intel(R) oneAPI Hackathon Finale, Bangalore.
- xxi. A count of 116 students have actively participated in Hands-on Workshop on “BlockChain Technology and its Applications” held on June 29<sup>th</sup> to 30<sup>th</sup>,2023, organised by PVP Siddhartha Institute of Technology, Department of Computer Science and Engineering, in Association with ACM Student Chapter, Vijayawada, AP.

**b) Extra-curricular Activities:**

- i. Mr.P.Darshit (21501A0536) of II CSE won the 1st Prize and received Rs. 2,000 cash prize in the explicit expressions in AFOSEC'23 organized by VRSEC, Vijayawada held on 24th and 25th February, 2023.
- ii. Mr. Y.Gangadhar,G.Vamsi,J.Seshu Kumar of III CSE, Nalanda Degree college secured First place in Ullasamga Utsahamga event organized by CSE, PVP Siddhartha Institute of Technology on the eve of SITAR2K23 TECHNO FEST 10-03-2023.
- iii. Ms. T.Yasaswi of IV CSE secured Second place in Ullasamga Utsahamga event organized by CSE, PVP Siddhartha Institute of Technology on the eve of SITAR2K23 TECHNO FEST 10-03-2023.
- iv. Mr. G.Satwik of III CSE,Baptla Engineering College secured First place in Group Discussion (Vakchaturyam) event organized by CSE, PVP Siddhartha Institute of Technology on the eve of SITAR2K23 TECHNO FEST 11-03-2023.
- v. Ms. S. S. P. V. Sai Lakshmi of II CSE secured Second place in Group Discussion (Vakchaturyam) event organized by CSE, PVP Siddhartha Institute of Technology on the eve of SITAR2K23 TECHNO FEST 11-03-2023.

**c) Student Papers:****Papers published in Journals:**

- i. Mr.Ch.Rajesh Chandra, Mr.A.Ravi Sai Teja, Mr.D.Lakshmi Narayana Naik, Mr.D.Mahesh in collaboration with Ms.A.Ramana Lakshmi published a paper “A Chatbot for Disease Prediction and Diet Recommendation using Natural Language Processing” in Journal of Information and Computational Science”, Vol-13, Issue-6, June-23, ISSN: 1548-7741
- ii. Mr.G.Siddique Baig, Mr.B.Nithin, Mr.A.Satya Sai Deepak, Mr.G.Yogananda Ramesh in collaboration with Ms.A.Ramana Lakshmi published a paper “ Plan Leaf Disease Detection and Fertilizer Recommendation using Deep Learning”, Vol-9, Issue-6, June-23, ISSN: 2455-3778.
- iii. Mr.K.Rohith, Mr.M.Greeshmanth, Mr.M.Rohit, Mr.M.S.Chakradhar in collaboration with Dr.K.Koteswararao, Dr.G.Lalitha Kumari and Ms.Y.Surekha published a paper “ Empirical Investigations to Skin Lesion Detection Using DenseNet Convolutional Neural Network” in Traitement du Signal, Vol-40, Issue-2, April-23 with ISSN:0765-0019 (SCI)

**Students presented papers in Conferences**

- i. Mr.J.Rohith Kumar, Mr.K.Satwik, Mr.S.Sai Surya Teja, Mr.B.Raghava in collaboration with Ms.T.Sri Lakshmi and Dr.B.Lakshmi Ramani presented and published a paper “An Ensemble Model to Detect Parkinson’s Disease Using MRI Images”, in International Conference on Information Systems Design and Intelligent Applications (INDIA-2022), 25-26 Feb-2023, ISBN: 978-981-19-4863-3 (**Scopus**)
- ii. Mr.P.Sai Chaitanya, Mr.P.Sai Naga Pramod, Mr.Y.Rohit Kumar, Mr.S.Karthikeya, Ms.D.Swapna and Dr.S.Phani Praveen presented and published a paper “Brain Metastasis Tumor Detection using Image Segmentation and VGG16 Architecture”, in 5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023) with ISBN: ISBN: 978-1-6654-7467-2 (**Scopus**)
- iii. Mr.A.Srinath Reddy, Mr.G.Bhargav Ramudu, Mr.A.Bhanu Anish, Mr.A.Mahadev, Dr.S.Phani Praveen and Ms.D.Swapna presented and published a paper “Network Monitoring Model based on Convolutional Neural Networks for Unbalanced Network Activity” in 5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023) with ISBN: ISBN: 978-1-6654-7467-2 (**Scopus**)
- iv. Mr.Farroq Baig, Mr.D.Jaswanth Sai, Mr.G.K.Michael , Mr.A.Lakshman ,Mr.D.Lokesh Sai Kumar and Ms.A.Madhuri presented and published a paper “CNN based Mood Detection using Facial Expression” 5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023) with ISBN: ISBN: 978-1-6654-7467-2 (**Scopus**)
- v. Ms.P. Sowmya Sri, Mr.T. Deva Saketh, Ms.P. Sruthi, Mr.P. Abhijit in collaboration with Ms.P.Dedeepya and Dr.S.Phani Praveen presented and published a paper “Detecting Cyber Bullying on Twitter using Support Vector Machine” in 3rd International Conference on Artificial Intelligence and Smart Energy (ICAIS 2023), 2-4 Feb-2023, with ISBN: 978-1-6654-6216-7 (**Scopus** )
- vi. Ms.N.Akhila, Ms.Sk.Rashidunnisa, Ms.V.Yamini Priya, Mr.Sk.Shahid in collaboration with Ms.A.Madhuri and Mr.D.Lokesh Sai Kumar presented and published a paper “ Pneumonia Detection and Classification using Hybrid Convolution Neural Network and Machine Learning Classifiers” in 3rd International Conference on Artificial Intelligence and Smart Energy (ICAIS 2023), 2-4 Feb-23, ISBN:978-1-6654-6216-7 (**Scopus** )
- vii. Ms.S.Pragna Sri, Ms.Sk.Ajajunnisa, Mr.P.Bhanu Phanindra, Mr.P.Sri Ram in collaboration with Dr.N.V.Ramana Gupta presented and published a paper “A Medical Model Built on Machine Learning to Evaluating the Relationship between the Depression and Living Standards” in 7th



International Conference on Computing Methodologies and Communication(ICCMC), 23-24 Feb-2023, with ISBN: 978-1-6654-6408-6 (**Scopus** )

- viii. Ms.P.Divya Sri, Ms.P.Sathvika, Mr.P.Teja, Mr.T.Vidya Charan in collaboration with Ms.D.Sree Lakshmi presented and published a paper “Cardiovascular Disease Prediction Using Machine Learning”, in 6th International Conference on Information Systems and Computer Networks, 3-4 Mar-2023, with ISBN:979-8-3503-4696-1
- ix. Ms.S.Harika, Mr.S.Mukesh Chowdary, Mr.T.Pavan Kumar, Mr. T.Krishna Vamsi Ms.M.Adi Lakshmi in collaboration with Dr.M.V.Rama Krishna presented and published a paper “Machine Learning based Gait Recognition for Human Authentication” in International Conference on Sustainable computing and Data Communication Systems, 23-25th Mar-2023,ISBN:978-1-6654-9199-0
- x. J.Harikiran, T.Yamini, N.Sree Vidya in collaboration with Dr.K.Vijay Kumar, Y.Ayyappa and B.Vinay Kumar presented and published a paper “A scheme of long-term memory (LSTM)-CNN features extraction and spatial relationship to anonymize image and video for Privacy-Preserving Human Activity Recognition of Multiple Sequences of Data”, in International Conference on Artificial Intelligence and Signal Processing, 18-20th March-23, ISBN: 979-8-3503-2074-9 (**Scopus**)
- xi. Harshavardhan Reddy, P.Yaswanth, T.Mohan Vamsi, G.Rishitha in collaboration with T.Sri Lakshmi presented and published a paper “Automated Driver Drowsiness Detection System using Computer Vision and Machine Learning”, in International Conference on Sustainable Computing and Data Communication Systems, 23-25 Mar-23, ISBN:978-1-6654-9199-0 (**Scopus**)
- xii. S.Teja Sri, G.Navya Deepthi, V.Sravya, P.Siva Praneetha in collaboration with A.Yuva Krishna and B.Vishnu Vardhan presented and published a paper “Disease Recognition of Crops using ResNet and MDfC-ResNet”, in International Conference on Sustainable Computing and Data Communication Systems, 23-25 Mar-23, ISBN:978-1-6654-9199-0 (**Scopus**)
- xiii. B.Kanaka Aparna, B.Ravi Kiran, B.Naga Gopala Krishna, E.Kavya in collaboration with Mr.B.Vinay Kumar and Y.Ayyappa presented and published a paper “Building an Intelligent Brain Tumor System using Magnetic Resonance Imaging” in 2nd International Conference on Sustainable Computing and Data Communication Systems, 23-25th March-2023, ISBN: 978-1-6654-9199-0 (**Scopus**)

- xiv. N.Naveen, P.Prakash, V.Mohan Naga Venkata Sai, S.Sandeep in collaboration with Y.Manasa and Y.Ayyappa presented and published a paper “ Extracting The Essence of Video Content: Movement Change based Video Summarization using Deep Neural Networks” in 7th International Conference on Trends in Electronics and Informatics(ICOEI 2023), 11-13 April-3, ISBN: 979-8-3503-9728-4 (**Scopus**)
- xv. S.Padma Priya, S.Akhila, T.Priya Vardhan Reddy, Sk.Mohammad Goush in collaboration with Y.Ayyappa and B.Vinay Kumar presented and published a paper “ Forecasting Equity using LSTM and BERT with Sentiment Analysis” in 2nd International Conference on Inventive Computation Technologies, 26-28th March-23, ISBN:979-8-3503-9849-6 (**Scopus**)
- xvi. V.Voshma Reddy, P.Sai Bhargavi, V.Swetha, N.Bhavani in collaboration with K.Michael Sadguna Rao presented and published a paper “ Crop Recommended System based on Ensemble Classifiers” in 2023 International Conference on Advancement in Computation and Computer Technologies, 5-6th May-2023, ISBN: 979-8-3503-9648-5
- xvii. P.Sushma Sri, P.Nikitha, T.Geethika, Sk.Jameelunisa in collaboration with A.Divya presented and published a paper “Identification of Different Chronic Skin Conditions using Deep Convolutional Neural Networks”, in 1st International Conference on Advancement in Computation & Computer Technologies, 5-6 May-23, ISBN: ISBN: 979-8-3503-9648-5 (**Scopus**)
- xviii. J.Chandra Sekhar, V.Krishna Pratap, K.Ananya in collaboration with Dr.B.N.Swamy and Ms.Dedeepya presented and published a paper “Brain Tumor Detection using RCNN and MobileNet”, in International Conference on Sustainable Computing and Smart Systems, 14-16th June -2023, ISBN:979-8-3503-3360-2 (**Scopus**)

### Higher Education:

#### GRE LIST

S.NO	REG.NO	NAME	Exam Reg No
1.	19501A0504	Bhanu Anish Akkineni	1404756 December 30, 2022
2.	19501A0517	Alekhyia Ayinam	1789802 January 3, 2023
3.	19501A0572	Jaswanth Jampani	1526908 October 29, 2022
4.	19501A0589	charishma kethineedi	1450406 December 3, 2022

5.	19501A05B2	Keerthi Sahithi Mandapaka	0373647 December 18, 2021
6.	19501A05B3	Rupaswi Mandava	1458813 September 26, 2022
7.	19501A05B4	Mangalapurapu Tejaswi	1714173 January 29, 2023
8.	19501A05D5	Kiranmai sai lakshya Nimmagadda	1493268 December 29, 2022
9.	19501A05I6	Varshitha Vankadaru	1786733 January 20, 2023
10.	19501A0562	Kevin Michael Govada	0437463 January 10, 2023
11.	19501A0565	Sri Sravani Gullapalli	1830511 January 13, 2023
12.	19501A0574	Jaswanth chowdary rama	1913144 February 12, 2023
13.	19501A0502	Aditya Gurram	1730182 December 9, 2022
14.	19501A0533	Lasya Naga Sai Priya Bolem	1685096 December 10, 2022
15.	19501A550	Jaswanth sai Donepudi	1040309 January 23, 2023
16.	19501A567	Chandrahaas Reddy Guntaka	2098737 June 5, 2023
17.	19501A0573	Jasthi Tejesh	1494277 December 27, 2022
18.	19501A0583	Eswar Kumar Kantamaneni	2065280 May 15, 2023
19.	19501A0592	Kodali Sravya Sri	1769997 May 18, 2023
20.	19501A05A2	Ananya Koneru	1851122 February 4, 2023
21.	19501A05E3	Divyasri Parise	1668841 February 7, 2023
22.	19501A05F4	Pusuluri Sai Bhargavi	1687139 December 5, 2022
23.			

### IELTS LIST

S.NO	REG.NO	NAME	Exam Reg No	SCORE
1.	19501A0504	Bhanu Anish Akkineni	V5417809	6.5
2.	19501A0533	Bolem Lasya Naga Sai Priya	W2259627	7.0 Sep, 2022

3.	19501A0572	Jaswanth Jampani	062109	7.0 Jan,2023
4.	19501A0594	Kodeboyina Uday Kiran	W3572216	6.5 Oct,2022
5.	19501A05A2	Koneru Ananya	W2218908	7.0 Jan,2023
6.	19501A05A3	Kota Gopichand	W5823567	6.0 Jan, 2023
7.	19501A05A5	Kothapalli Ramya	W5813816	7.0 Jan, 2023
8.	19501A05B1	Maddipati Geeshma Sri Sai	W5819604	7.5 Nov, 2022
9.	19501A05B4	Mangalapurapu Tejaswi	W5816543	7.5 Nov,2022
10.	19501A05C4	Mulpuri Phani Madhavi Chowdary	U8444277	7.0 Jan,2023
11.	18501A0582	Musunuru Keerthi	Z6962491	7.5 05/NOV/2022
12.	20505A0510	Kanikanti Siva Kesava	W9798115	6.0 JAN, 2023
13.	18501A0510	Venkata Sai Saketh Bandi	S7095293	7.0 Mar,2023
14.	19501A0502	Gurram Aditya	W2558767	6.5 Feb,2023
15.	19501A0528	Snehita Bharata	V5864691	7.0 June 2023
16.	19501A0573	Jasthi Tejesh	V4307479	6.5 Dec,2022
17.	19501A05E2	Parimisetti Sai Naga Pramod	V4306527	7.0 Nov,2022
18.	19501A05E3	Parise Divyasri	V5410583	7.5 Oct,2022
19.	19501A05F4	Pusuluri Sai Bhargavi	W3828794	6.5 Oct,2022
20.	20505A0509	Kancharla Roja Sri	W9368939	6.5 Mar,2023

### TOFEL LIST

S.NO	REG.NO	NAME	Exam Reg No	SCORE
1.	19501A05I6	Varshitha Vankadaru	4644 0122 2796 8343	101
2.	19501A0595	Kolapalli, Lakshman Saketh	5885 0012 3803 8986	88



3.	19501A0519	Banavath, Charan Karthik Naik	6757 1052 3853 2431	92
4.	19501A05B3	Mandava Rupaswi	8688009226807574	102
5.	19501A05F2	Nikitha Polavarapu	5344112227023834	94

### **DUOLINGO ENGLISH TEST**

S.NO	REG.NO	NAME	DATE OF EXAM	SCORE
1.	19501A0598	Kommineni, Hemanth	DECEMBER 31, 2022	115
2.	19501A05B2	Keerthi Sahithi Mandapaka	JANUARY 26, 2023	130
3.	19501A0562	Govada, Kevin Michael	February 14,2023	125
4.	19501A0565	Gullapalli Sri Sravani	February 16,2023	120
5.	19501A0541	Chava Sriharsha	May 29,2023	115
6.	19501A0550	Jaswanth sai Donepudi	January 9,2023	120
7.	19501A05E5	Pathuri, Sathvika	November 27,2022	120
8.	19501A05F3	Polimetla, Teja	February 1,2023	110

### **GATE**

S.NO	REG.NO	NAME	Exam Reg No	SCORE (%)	All India Rank
1	19501A05B6	Mannam Vamsi Krishna	CS23S16110272	56.67(622)	1024
2	19501A05C2	Mukkapati Rohith	CS23S16110007	52.33(573)	1646
3	20501A0528	Chenikala Rakesh	CS23S16110625	30.67(329)	12731

### **Got Admission**

S.NO	REG.NO	NAME	OFFERED COURSE	UNIVERSITY	REFERENCE NUMBER
1.	19501A0502	Aditya Gurram	MS in Human centered Design program	PACE University	Student ID:U01929423
2.	19501A0504	Bhanu Anish Akkineni	Master's in Computer and Information Sciences	University of Texas at San Antonio	
3.	19501A0533	Lasya Naga Sai Priya Bolem	MS in Information Technology	Kennesaw State University	Student ID: 001111114950
4.	19501A0550	Jaswanth Sai Donepudi	MS in Computer Science program	The University of North Texas	Student Id: 11712789
5.	19501A0566	Gundabattula Haripriya	Master of Engineering Management with Industry	University of Leicester	Student number: 239038867
6.	19501A0572	Jaswanth Jampani	Master of Science in Computer Science	University of south Florida	USF ID: U55770168
7.	19501A0573	Jasthi Tejesh	M.S. degree program in Computer Science	University of Central Missouri	Student ID Number: 700755551
8.	19501A0586	Karthik Aluru	Masters in Advanced Data Analytics program.	The University of North Texas	Student Id: 11703371
9.	19501A0592	Kodali Sravya Sri	Master of Science in Computer Science	George Mason University	G01460802
10.	19501A0594	Uday Kiran Kodeboyina	Computer Science, MS	Northern Arizona University	NAU ID: 6324595
11.	19501A0598	Hemanth Kommineni	Master of Science in Computer Science	Texas A&M University-Kingsville	
12.	19501A05A2	Koneru Ananya	Master of Science in Computer Science	George Mason University	G01459779
13.	19501A05A3	Kota Gopichand	Management Information Systems (MS)	University of Illinois	UIN no: 657376029

14.	19501A05A5	Ramya Kothapalli	MS program in Digital Forensics and Cyber security	University at Albany, State University of NY	ID: 001614394
15.	19501A05B1	GEESHMA SRI SAI MADDIPATI	Master of Engineering Information Systems Security	Concordia University	Student ID:40277629
16.	19501A05B2	Keerthi Sahithi Mandapaka	Master of Science degree program in the Computer Science and Engineering	University of Louisville	University ID #5506858
17.	19501A05B4	Mangalapurapu Tejaswi	Engineering Management program	University of North Texas	Student ID: 11717380
18.	19501A05C4	Phani Madhavi Chowdary Mulpuri	MSc Business Management	Cardiff University	
19.	19501A05D5	Kiranmai Sai Lakshya Nimmagadda	Information Technology (MS) program	Arizona State University	ID number: 1230142175
20.	19501A05E2	Parimiseti Sai Naga Pramod	M.S. degree program in Computer Science	University of Central Missouri's	Student ID Number: 700752926
21.	19501A05E3	Parise Divyasri	MS in computer Science	Kent State University	
22.	19501A05E4	Sushma Sri Paruchuri	MS in computer Science	PACE University	Student ID: U01930459
23.	19501A05E5	Sathvika Pathuri	Business Analytics and Project Management MS program	University of Connecticut	
24.	19501A05F2	Nikitha Polavarapu	MS in user experience and User design	Thomas Jefferson University	
25.	19501A05F3	Teja Polimetla	MS in computer Science	University of Central Missouri	Student ID Number: 700756704
26.	19501A05F4	Pusuluri Sai Bhargavi	MS in computer Science	Kent State University	

27.	19501A05I0	Geethika Thota	Master of Science in Information Systems	Saint Louis University	ID: 001308252
28.	20505A0509	Roja Sri Kancharla	Master of Cyber security	La Trobe University	Student ID: 21883802

#### **Placements:**

- i. 7 students of IV CSE got selected for HCL with a package of 6 LPA
- ii. 3 students of IV CSE got selected for HEXAWARE with a package of 6 LPA
- iii. 7 students of IV CSE got selected for TCS Digital with a package of 7 LPA
- iv. 2 students of IV CSE got selected for JSW Steel with a package of 6.5 LPA.
- v. 1 student of IV CSE got internship in 4CRisk.ai Software Pvt Ltd. with a stipend of Rs. 33,000 per month.
- vi. 2 students of IV CSE got selected for Deloitte NLA with a package of 4.5 LPA.
- vii. Mr.K. Ram Santhosh Reddy (19501A0580) of IV CSE got selected for Sight Plan with a package of 2.5 LPA.
- viii. 8 students of IV CSE got selected for Sonata with a package of 4 LPA
- ix. Mr. A.Mano Vasanth Ram (19501A0515 ) of IV CSE got selected for AP Solut Software India Pvt. Ltd with a package of 3.2 LPA
- x. Mr. A.Sai Krishna (19501A0512) , Mr. B.Charan Karthik Naik (19501A0519) of IV CSE got selected for Qspiders with a package of 3LPA
- xi.

#### **Industrial Visits:**

- i. Mr.B. Nireekshan (21501A0512), Ms.G. Navya (21501A0558), Mr.K. Shashank (21501A0570), Mr.M. Hemanth Sai Suryam (21501A05A7) , Mr.T. Santhosh (21501A05G7) , Ms.Y. Pragna (21501A05J5) visited Efftronics on 17-2-23.
- ii. Ms.Ch. Mounika (21501A0530), Ms.D. Chandana Sri (22505A0503), Ms.I. Sahithi (21501A0565), Ms.S. Likhitha (21501A05G5), Ms.V. Sree Sai (21501A5D0), Ms. T.Dhanya Sree (20501A05G9), Ms.S. Mani Sindhu (20501A05F2) visited “ALEAP Industrial Estate” in association with EDC Cell, PVPSIT on 28-2-23.
- iii. Ms.B. Nireekshan (21501A0512)
- iv. , Ms.G. Navya (21501A0558), Mr.K. Shashank (21501A0570), Mr.M. Hemanth Sai Suryam (21501A05A7) , Mr.T. Santhosh (21501A05G7) , Ms.Y. Pragna (21501A05J5) visited Efftronics on 17-2-23.

- v. Ms.Ch. Mounika(21501A0530), Ms. D. Chandana Sri (22505A0503), Ms. I. Sahithi(21501A0565), Ms.S. Likhitha(21501A05G5), Ms.V. Sree Sai(21501A5D0), T. Dhanya Sree(20501A05G9), Ms.S. Mani Sindhu(20501A05F2) visited “ALEAP Industrial Estate” in association with EDC Cell, PVPSIT on 28-2-23.



## **IPv6 - The new Era**

**Internet Protocol (IP)** is the method or protocol by which data is sent from one computer to another on the internet.



Each computer which is known as host is identified by a unique IP address that does not match with other computers or devices. The Internet Protocol (IP) has two versions in use today: IP version 4 (IPv4) and IP version 6 (IPv6). IPv4 is the most commonly used version and was first deployed in 1983. IPv6 is a backwards-compatible successor to IPv4 and has been increasingly used on the public internet since 2006.

- Address length: IPv4 addresses are 32 bits long, while IPv6 addresses are 128 bits long.
- Security: IPv6 has some built-in security features, such as data authentication and encryption.

### **Key benefits to IPv6 include:**

- **No more private address collisions** - avoids overlapping of IP addresses and gives a unique identification.
- **Better multicast routing** - increase the efficiency and reliability and reduce the burden or traffic on how routers handle.
- **Simpler header format** - a simple header will provide us with a faster transmission and lesser requirement of resources.
- **Simplified, more efficient routing** - which helps routers and switches
- **True quality of service (QoS), also called "flow labeling"** - ensures the network performance.
- **Built-in authentication and privacy support** - to enhance the network security.
- **Flexible options and extensions** - available to adapt future enhancements with ease.

- **Easier administration (no more DHCP)** - automate the IP address assignment to devices.

Therefore there are many advantages of IPv6 and its usage everywhere in the world today. So, this forms as a new era and makes everything efficient and faster too. With IPv6 becoming more prevalent in cloud provider and consumer access networks, you may already be on the path to IPv6 deployment with your network and applications.

**The disadvantages of IPv6 are:**

**No backward Compatibility:** IPv6 is not available on IPv4 machines, which means one can not run IPv6 on IPv4-supported machines.

**Conversion Time:** The other major disadvantage of IPv6 is identifying the device on the network uniquely, and converting to IPV4 is very much.

Thus, the communication becomes easier between the systems and all tasks are done in no time. The limitations of IPv4 led to the invention of IPv6. The transmission over the internet increases and IPv6 stands first by providing many (enough) addresses. New technologies emerge with the facilitation of IPv6.

**.... World never stops growing - You should never stop developing ....**

*Ms.V.Phani Sirisha (22501A05J2) I B.Tech*

*Ms.T. Dhanya Sree (20501A05G9) III B.Tech*

*Ms.S. Mani Sindhu (20501A05F2) III B.Tech*