

NEWS LETTER

Department of Computer Science & Engineering

TECH TIMES

A Half- Yearly Newsletter

January 2024

“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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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. An event as a part of Industry Institute interaction a two day hands on workshop on “**Project based MERN Stack Development**” for IV B.Tech students on 14th and 15th July 23. Resource Persons: 1.K.Keerthi, Senior S/W Developer, Value Labs. 2. Mr.A.Srikanth, Infosys 3. Mr.M. Niharika, Cognizant. Coordinators: 1. Dr.P.Sai Kiran, Professor, 2.Mr.B. Vishnu Vardhan, Asst. Professor.
- ii. One week "Hands-on training Workshop on Internet of Things (IoT) and its applications" for II CSE students from 15-08-23 to 19-08-23. Resource Person: Dr. R. Daniel, Associate Professor, Dept. of CSE, PVPSIT.
- iii. A Guest Lecture in association with CSI on “How to apply for Research Funded Projects” for faculty on 14-9-23. **Resource Person:** Dr.Ram Dantu, Professor, Department of CSE, University of North Texas, Denton

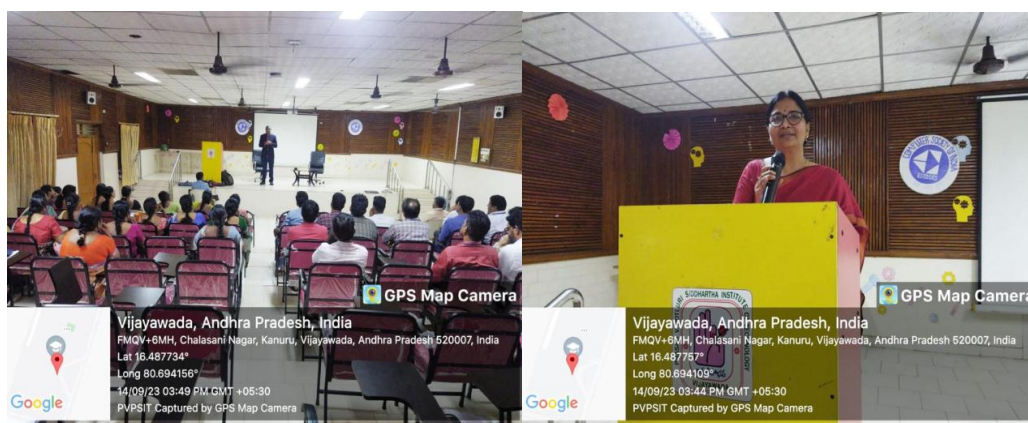


Fig.1: CSI organized a Guest Lecture on “How to apply for Research Funded Projects” for faculty on 14-9-23

- iv. A Seminar in association with CSI on "Awareness on Higher studies" for III CSE students on 14-9-23. **Resource Person:** Dr.Ram Dantu, Professor, Department of CSE, University of North Texas, Denton.

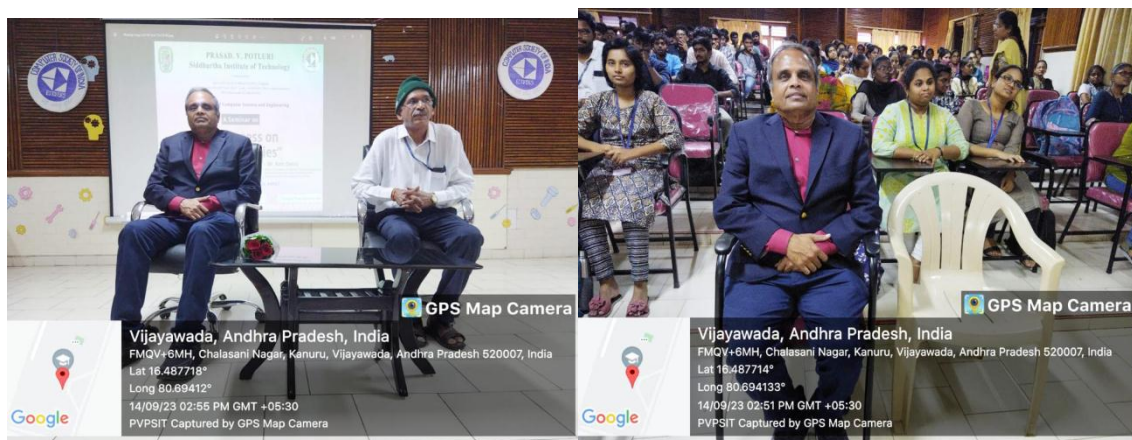


Fig.2: CSI organized Seminar on "Awareness on Higher studies" for III CSE students on 14-9-23

- v. **JAM Contest** in association with ISTE student chapter for II, III, IV B.Tech students on 14-9-2023. **Coordinator:** Dr. M. Sailaja, Asst. Professor, Dept. of CSE. **Judge:** Mr. K. Sai Devan, Soft Skills Trainer, Dept. of Training & Placement. **Participants:** 19 members



Fig.3: ISTE student chapter organized JAM Contest for II, III, IV B.Tech students on 14-9-2023.

- vi. **"Bhikaiji Rustom Cama-QuizTory Masters"** in association with ISTE student chapter on 15-9-2023. **Coordinator:** Mr. A. Prasanth, Asst. Professor, Dept. of CSE. **Participants:** 50 teams

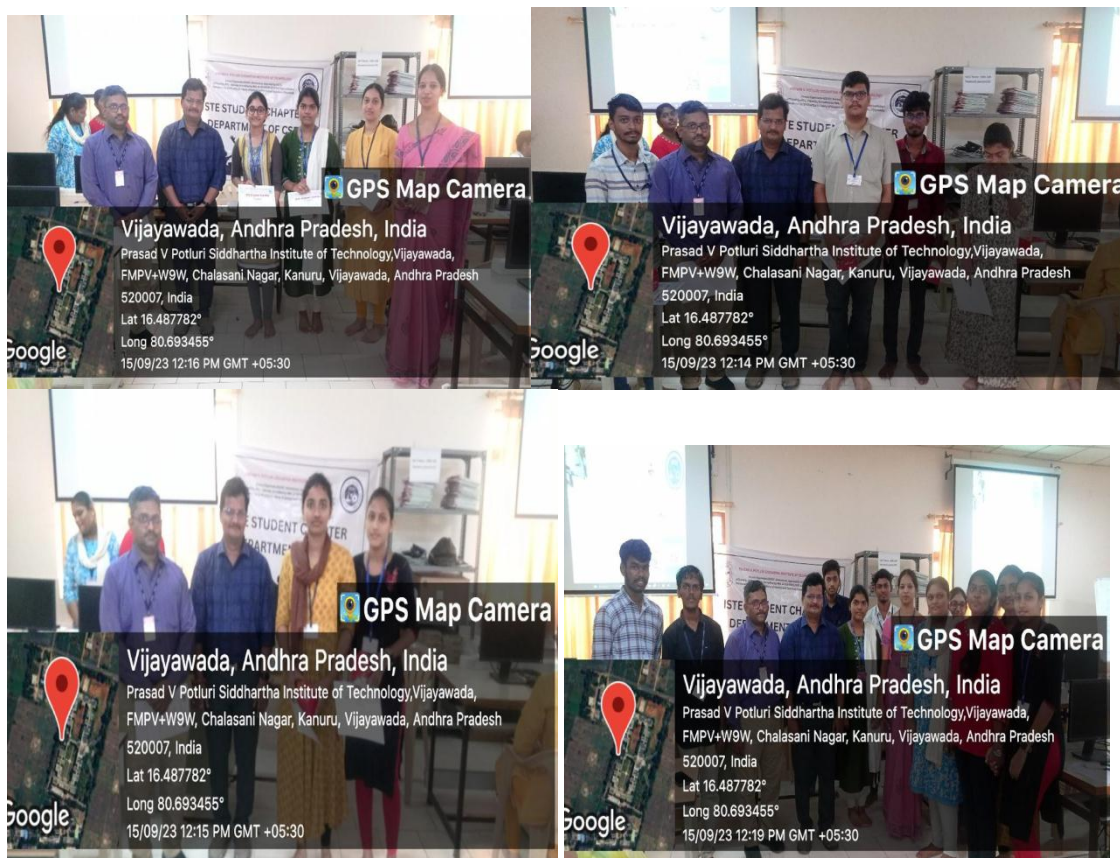


Fig.4: ISTE student chapter organized “Bhikaiji Rustom Cama-QuizTory Masters” on 15-9-2023

- vii. **IDEATHON** contest in association with ISTE student chapter organized for II, III, IV B.Tech students on 16-9-2023. **Coordinator:** Dr. M. Sailaja, Asst. Professor, Dept. of CSE. **Judges:** Dr. B.Narasimha Swamy, Associate Professor, Dept. of CSE. Dr. G.Lalitha Kumari, Sr. Asst. Professor, Dept. of CSE. **Participants: 10 teams**





Fig.:5 ISTE student chapter organized **IDEATHON** for II, III, IV B.Tech students on 16-9-2023

- viii. One day Industry Institute Interaction Seminar on "Latest Technology Trends in Industry" for III B.Tech students on 26-10-23. Resource Person: Mr P.V.Rajesh (Ph.D), Senior Data Analytics Specialist, AT &T, Los Angeles, USA.
- ix. "National Level coding contest" in association with ACM student chapter on 11-10-23. Coordinator: i. Dr. J.Rama Devi, Sr.Assistant .Professor, ii. Ms.T.Sri Lakshmi, Assistant.Professor.
- x. one day workshop on "Non -Cognitive Skills" for II B.Tech students on 07-11-23. Resource Person: Mr. Ayyappa Siginam, Chairman & Director, Atoms Group of Companies. Coordinators: Ms. D. Swapna, Asst. Professor, Dr. M. Sailaja, Asst. Professor.
- xi. Guest Lecture in association with CSI student chapter on "Career Campus: Navigating Fresher Expectations in the Professional Landscape" on 20-12-23. Resource Person: Mr.T.Naveen, Senior Software Development Manager, Amazon Development Centre, Hyderabad. Coordinators: Ms. A. Madhuri, Asst. Professor, Mr. P. Anil Kumar, Asst. Professor.

Faculty Achievements

a. Patents: NIL

b. Guest lecturers delivered: NIL

c. Awards:

- i. The paper "Combining CNNs and Bi-LSTMs for Enhanced Network Intrusion Detection: A Deep Learning Approach" by Dr.S.Phani Praveen, Dr.P.Naga Srinivasu has selected as a Best Paper in the 2023 3rd International Conference on Computing and Information Technology (ICCIT) held at

Faculty of Computers and Information Technology, University of Tabuk, Tabuk, Kingdom of Saudi Arabia, held on 13th and 14th September 2023.

- ii. Ms.Y.Surekha received a certificate of appreciation for her instrumental role as SPOC and ambassador at our institution for the SWAYAM-NPTEL Local Chapter.
- iii. Dr.S.Phani Praveen secured 95% score ELITE+GOLD in NPTEL proctored exam for “Big Data Computing” course.

d. 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 is Reviewer of IEEE Access (ISSN: 2169-3536) (SCIE)
- viii. Dr.S.Phani Praveen is Reviewer of Applied Sciences (ISSN: 2076-3417) (SCIE)
- ix. Dr.S.Phani Praveen is Reviewer of Sustainability (ISSN: 2071-1050) (SCIE)
- x. Dr.S.Phani Praveen is Reviewer of Journal Of Control And Decision (ISSN: 2330-7706) (SCOPUS / ESCI) Curriculum Vitae
- xi. Dr.S.Phani Praveen is Reviewer of Journal of Super Computing (ISSN: 1573-0484) (SCIE)
- xii. Dr.S.Phani Praveen is Reviewer of Journal of Inter Connection Networks(ISSN: 0219-2659) (SCOPUS / ESCI)
- xiii. Dr.S.Phani Praveen is Reviewer of Indian Journal of Science & Technology(ISSN: 0974-6846) (Web of Science)
- xiv. Dr.S.Phani Praveen is Reviewer of Global Research and Development Journal (ISSN: 2455-5703).
- xv. Dr.S.Phani Praveen is Reviewer of the conference Smart Computing and Informatics, Sponsored by Springer.
- xvi. Dr.S.Phani Praveen is Reviewer of the conference 5th 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT), Sponsored by IEEE.
- xvii. Dr.S.Phani Praveen is Reviewer of the conference InCACCT-2024 - 2nd International Conference on Advancement in Computation & Computer Technologies, Sponsored by IEEE.

xviii. Dr.S.Phani Praveen is Reviewer of the conference InCACCT-2023: International Conference on Advancement in Computation & Computer Technologies, Sponsored by IEEE.

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

f. Ph.Ds awarded: NIL

g. Projects applied for external agencies:

Consultancy:

- i. JP Morgan Chase Bank, USA confirmed consultancy with P.V.P. Siddhartha Institute of Technology with an initiation of NDA (Non-Disclosure Agreement) holding an contract id No: CW3407554 on 25-10-2023.

Faculty Publications/ Conferences

a) SCI/SCIE/ESCI/ Scopus indexed journals:

- i. Dr.P.Naga Srinivasu published a paper “A Software Framework for Intelligent Security Measures Regarding Sensor Data in the Context of Ambient Assisted Technology” in Sensors, Vol-23, July-23, ISSN: 1424-8220 **(SCI) (Scopus)**
- ii. Dr.Naga Srinivasu published a paper “A unified metering system deployed for water and energy monitoring in smart city” in IEEE Access, July-23, ISSN: 2169-3536 **(SCI) (Scopus)**
- iii. Dr.S.Phani Praveen published a paper “Novel Heuristic Optimization Technique to Solve Economic Load Dispatch and Economic Emission Load Dispatch Problems”, in Electronics, Vol-12, Issue-13, July-23 with ISSN: 2079-9292 **(SCI) (Scopus)**
- iv. Dr.S.Phani Praveen and Dr.P.Naga Srinivasu published a paper “Statistical Analysis of Design Aspects of Various YOLO-Based Deep Learning Models for Object Detection” in International Journal of Computational Intelligence Systems, Vol-16, Issue-1, Aug-23, with ISSN: 1875-6883 **(SCI) (Scopus)**
- v. 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, Sep-23, Vol-17, Issue-6, with ISSN: 1863-1711 **(SCI) (Scopus)**
- vi. Dr.S.Phani Praveen published a paper “Coalescing novel QoS routing with fault tolerance for improving QoS parameters in wireless Ad-Hoc network using craft protocol” in Wireless Networks with ISSN: 1572-8196 **(SCI) (Scopus)** (Article in Press)

- vii.** Dr.K.Jyothsna Devi published a paper “ Secure transmission of medical images in multi-cloud e-healthcare applications using data hiding scheme” in Journal of Information Security and Applications, Vol-79 with ISSN: 2214-2126 (**SCI**)
- viii.** Dr.K.Jyothsna Devi published a paper “Robust and Secure Medical Image Watermarking for Edge-enabled e-Healthcare”, in IEEE Access, Vol-4, Nov-23 with ISSN: 2169-3536 (**SCI**)
- ix.** Dr.R.Daniel published a paper “Ensemble Learning with Tournament Selected Glowworm Swarm Optimization Algorithm for Cyber bullying Detection on Social Media” in IEEE Access, Vol-11, Oct-23 with ISSN: 2169-3536 (SCIE) (**Scopus**)
- x.** Dr.R.Daniel published a paper “Optimizing Routing in Nature-Inspired Algorithms to Improve Performance of Mobile Ad-Hoc Network”, in International Journal of Intelligent Systems and Applications in Engineering, Vol-11, Issue-8s, July-23 with ISSN: 2147-6799 (**Scopus**)
- xi.** Dr.S.Phani Praveen published a paper “A Novel Dual Confusion and Diffusion Approach for Grey Image Encryption using Multiple Chaotic Maps” in International Journal of Advanced Computer Science and Applications, Vol-14, Issue-8, Aug-23, with ISSN: 2156-5570 (**Scopus**)
- xii.** Dr.N.V.Ramana Gupta published a paper “Enhancing low latency and high performance in clustered-based wireless sensor network routing using genetic algorithm for 5G networks” in Optical and Quantum Electronics, Vol-55, Issue-12, Sep-23 with ISSN: 1572-817X (**Scopus**)
- xiii.** Ms.U.Sirisha published a paper “ Word Embedding for Text Classification: Efficient CNN and Bi-GRU Fusion Multi Attention Mechanism”, in EAI Endorsed Transactions on Scalable Information Systems, Vol-10, Issue-6 with ISSN: 2032-9407, Sep-23 (**Scopus**)
- xiv.** Ms.D.Swapna and Dr.S.Phani Praveen published a paper “Security and risk analysis in the cloud with software defined networking architecture”, in International Journal of Electrical and Computer Engineering, Vol-13, Issue-5 with ISSN: 5550-5559, Oct-23 (**Scopus**)
- xv.** Dr.J.Rama Devi published a paper “AI enabled value-oriented collaborative learning: Centre for innovative education”, Vol-34, Issue-2 with ISSN: 1047-8310, Oct-23 (**Scopus**)
- xvi.** Mr.A.Yuva Krishna and Dr.S.Phani Praveen published a paper “Ant Colony Optimized XGBoost for Early Diabetes Detection: A Hybrid Approach in Machine Learning” in Journal of Intelligent Systems and Internet of Things, Vol-10, Issue-2 with ISSN:2690- 6791 Oct-23 (**Scopus**)
- xvii.** Dr.B.N.Swamy and Dr.S.Phani Praveen published a paper “An Ensemble Learning Approach for detection of Chronic Kidney Disease (CKD)” in Journal of Intelligent Systems and Internet of Things, Vol-10, Issue-2, Oct-23 with ISSN: 2690-6791 (**Scopus**)

- xviii.** Ms.A.Madhuri, Ms.U.Sirisha and Dr.S.Phani Praveen published a paper “Effective Disaster Management Through Transformer-Based Multimodal Tweet Classification”, in *Revue d'Intelligence Artificielle*, Vol-37, Issue-5, Oct-23 with ISSN: 0992-499X. (**Scopus**)
- xix.** Dr.R.Daniel published a paper “Analysis of fuzzy and neural controllers in direct torque controlled synchronous motors” in *Indonesian Journal of Electrical Engineering and Computer Science*, Vol-32, Issue-2, Nov-23 with ISSN: 2502-4760 (**Scopus**)
- xx.** Dr.M.Sailaja published a paper “Analysis of High Temperature Effects on pHEMTs on Accessing RF/Analog performance: A Machine Learning Predictive Modeling” in *Transactions on Electrical and Electronic Materials*, Vol-24 Issue-5 Nov-23 with ISSN 2092-7592 (**Scopus**)
- xxi.** Mr.A.Yuva Krishna published a paper “Dry Eye Disease Classification Using AlexNet Classifier” in *International Journal of Intelligent Systems and Applications in Engineering (IJISAE)*, Vol-12, Issue-7s, Jan-24 with ISSN: 2147-6799 (**Scopus**)

b) UGC/other journals:

- i. Dr.R.Daniel published a paper “Face Recognition Using the Eigen Face Algorithm to Support Smart Voting” in *Journal of Advanced Zoology*, Vol-44, Issue-2, Oct-23 with ISSN: 0253-7214

c) Book chapters:

- i. “Computational Intelligence and Machine Learning Approaches in Biomedical Engineering and Health Care Systems” Book Published in Bentham Science Editor(s) : Parvathaneni Naga Srinivasu, Norita Md Norwawi, Sheng Lung Peng, Azuraliza Abu Bakar.
- ii. “Enabling Person-Centric Healthcare Using Ambient Assistive Technology” Book published in Springer Editors: Paolo Barsocchi, Naga Srinivasu Parvathaneni, Amik Garg, Akash Kumar Bhoi, Filippo Palumbo.
- iii. Dr. P.Naga Srinivasu is review editor for Technical Advances in Plant Science section in *Frontiers in Plant Science* SCI-Q1 and *Scopus Journals* in *Frontiers*.
- iv. Dr. P.Naga Srinivasu is Review Editor for Biomaterials and Bio-Inspired Materials section in *Frontiers in Materials* SCI-Q2 and *Scopus Journals* in *Frontiers*.
- v. Dr.S.Phani Praveen is Book Volume Editor entitled “Emerging Trends in Computer Science” published by Immortal Publications with ISBN No. 978-93-5416-233-6.(Elsevier SSRN Indexed)
- vi. Dr.S.Phani Praveen is an Editorial Board Member of *Journal of Transactions in Systems Engineering (JTSE)*, (ISSN: 2806-2973).

d) Conferences:

- i. Mr.D.Lokesh Sai Kumar and Dr.S.Phani Praveen presented and published a paper “Predicting Buy and Sell Signals for Stocks using Bollinger Bands and MACD with the Help of Machine Learning” in 2023 International Conference on Sustainable Computing and Smart Systems (ICSCSS) , June-23 with ISBN: 979-8-3503-3360-2 (Scopus)
- ii. Dr.R.Daniel presented and published a paper “Class Imbalance of Bio-Medical Data by Using PCA-Near Miss for Classification”, in 2023 5th International Conference on Inventive Research in Computing Applications (ICIRCA), August’23 with ISBN: 979-8-3503-2142-5 (Scopus)
- iii. Mr.B.Vishnu Vardhan presented and published a paper “Modern Progressive Pitfalls of Cyber Attacks on the Digital World” in Proceedings of the Second International Conference on Edge Computing and Applications (ICECAA 2023) with ISBN: 979-8-3503-4757-9, July 19 and 20 in Coimbatore indexed in October (Scopus)
- iv. Dr.S.Phani Praveen and Dr.P.Naga Srinivasu presented and published a paper “Combining CNNs and Bi-LSTMs for Enhanced Network Intrusion Detection: A Deep Learning Approach” in 3rd International Conference on Computing and Information Technology (ICCIT) with ISBN: 979-8-3503-2148-7, Sep 13 and 14 in Saudi Arabia indexed in October (Scopus)
- v. Ms.P.Dedeepya presented and published a paper “Enhancing Cyber Bullying Detection using Convolutional Neural Network”, in Fourth International Conference on Smart Electronics and Communication (ICOSEC-2023) with ISBN: 979-8-3503-0088-8, Sep 20 and 21 indexed in October (Scopus)
- vi. Mr.B.Vishnu Vardhan presented and published a paper “Modern Progressive Pitfalls of Cyber Attacks on the Digital World”, in 2nd International Conference on Edge Computing and Applications (ICECAA 2023), Aug-23 with ISBN: 979-8-3503-4757-9 (Scopus)

Workshops/Faculty Development Programs attended by the faculty

a) Seminars/Webinars:

- i. Dr S.Madhavi, Mrs D.Sree Lakshmi, Miss P.Dedeepya, Mr P.Anil Kumar, Mr S.Krishna Kishore participated in 1-Day training program on " National Intellectual property awareness" organized by PVPSIT, Kanuru, Vijayawada on 18-07-23

b) Workshops:

- i. Mr.P.Anil Kumar, Ms. A. Ramana Lakshmi and Sr. M. Sailaja attended a one-day Workshop on “Teaching for Excellence” organized by Department of Electrical And Electronics Engineering, Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada on 5th July, 2023.

c) STTP/STCs: NIL

d) Faculty Development Programmes:

- i. Dr. G. Lalitha Kumari, Dr M.Sailaja, Ms.Y. Surekha participated in 8-Weeks NPTEL FDP on "Introduction to Machine Learning" organized by IITK from 17-7-23 to 24-9-23.
- ii. Dr R.Daniel participated in 30 Hours International Faculty Development Program on Deep Learning for NLP and Computer Vision organized by Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with Excel R fro 10-7-23 to 28-7-23.
- iii. Mr A.Prasanth participated in 1-Week FDP on "Applicability of Mathematical sciences in emerging world" organized by Sathyabama Institute of science and Technology, Chennai from 07-08-23 to 12-08-23.
- iv. Mrs A.Ramana Lakshmi, Mrs D.Sree Lakshmi, Mrs A.Divya, Mr A.Prasanth, Ms P.Dedeepya participated in 1-Week AICTE recognized FDP on "Funding opportunities in Engineering" conducted by Entrepreneurship development and industrial coordination Department organized by PVPSIT, Kanuru, Vijayawada from 24-07-23 to 28-07-23.
- v. Mrs A.Madhuri participated in 40-Hour FDP on "Data Science and Analytics" organized by RVR & JC College of Engineering, Guntur from 9-8-23 to 14-8-23.
- vi. Mr B.Vinay Kumar participated in 1-Week international online FDP on "NLP and ChatGPT Applications" organized by SECAB Institute of Engineering & Technology in Collaboration with ExcelR Edtech Pvt. Ltd. From 14-8-23 to 19-8-23.
- vii. Mrs Y.Manasa participated in 1-Week professional development program on "Outcome Based Education" organized by V.R. Siddhartha Engineering College, Vijayawada, Andhra Pradesh from 5-9-23 to 9-9-23.
- viii. Mr K.Michael Sadgun Rao, Mrs K.Jyothsna Devi participated in 1-Week FDP on "DevOps (Portmanteau of Development and Operations)" organized by SRK Institute of Technology, Enikepadu, Vijayawada from 28-8-23 to 1-9-23.
- ix. Mrs D.Sree Lakshmi, Mrs A.Divya, Dr S.Phani Praveen, Mrs T.Sri Lakshmi, Miss P.Dedeepya participated in 1-Week National level FDP on "Cloud Infrastructure (AWS) organized by Chalapathi Institute of Technology, Andhra Pradesh from 21-8-23 to 25-8-23.
- x. Dr S.Madhavi participated in 1-Week AICTE ATAL FDP on "Artificial Intelligence and Quantum Machine Learning" organized by School of Computer Science and Information Technology, Maulana Azad National Urdu University from 20-11-23 to 25-11-23.

- xi. Dr S.Madhavi participated in 1-Week AICTE ATAL FDP on "Image Fusion: Techniques and applications for Enhanced visual perception " organized by G.Narayanamma institute of technology & science for Women , Hyderabad from 11-12-23 to 16-12-23.
- xii. Ms P.Dedeepya, Mrs U.Sirisha participated in 1-Week ATAL FDP on" Building Advanced Data Analytics applications with cloud under Next Gen Employability Program" organized by AICTE & Edunet Foundation Hyderabad from 18-12-23 to 22-12-23.
- xiii. Mr A.Prasanth participated in 2-Weeks National level online FDP on "Research methodology using chat GPT and AI Tools" organized by IQAC and Marian college, Kuttikanam, Kerala from 21-09-23 to 29-09-23.

e) Guest Lectures NIL

f) Conferences:

- i. Dr. G. Lalitha Kumari, Dr. M. Sailaja, Ms.Y. Surekha participated in International Conference on Computational Intelligence, Networks and Security (ICCINS-2023) organized by LBR College of Engineering on 22-12-23 and 23-12-23.
- ii. Dr. M. Sailaja presented a paper “Crop Yield Prediction Based on Machine Learning Techniques” in International Conference of Circuit Power and Computing Technologies (ICCPCT-2023) organized by Baseliros Mathews II College of Engineering held on 10-8-23 and 11-8-23.

g) Awareness programmes/Interaction meet/Quizzes, etc: NIL

h) MOOCs courses completed by the faculty:

- i. Miss P.Dedeepya completed 8-Weeks Certification course on "Salesforce Developer Virtual Internship" organized by Smart Internz from 1-8-23 to 31-10-23.

NPTEL

- ii. Dr.M. Sailaja, Ms. Y. Surekha secured **ELITE + SILVER** in the course “Introduction to Machine Learning” conducted by IITK.

Student Achievements

a) Co-curricular Activities:

- i. **Ms.** Ch. Bhavya Srujana (21501A0517), Ms. Ch.Mounika (21501A0530), Ms. D.Naga Kavya (21501A0535) won I prize in Bhikaiji Rustom Cama-QuizTory Masters event conducted at P.V.P.Siddhartha Institute of technology in association with ISTE student chapter on 15-9-2023.

- ii. Ms.Allamsetti Harshini (22501A0507), Ms. B.Navyasri (22501A0517) won II prize in Bhikaiji Rustom Cama-QuizTory Masters event conducted at P.V.P.Siddhartha Institute of technology in association with ISTE student chapter on 15-9-2023.
- iii. Mr. Ch.Mohit (22501A0530), Mr. D. Akash (22501A0537),Mr. G. Abhiram (22501A0555), Ms. C. Sruthi (23505A0501) won III prize in Bhikaiji Rustom Cama-QuizTory Masters event conducted at P.V.P.Siddhartha Institute of technology in association with ISTE student chapter on 15-9-2023.
- iv. Ms. T. Sirija (21501A05H1) won I prize in JAM event conducted at P.V.P.Siddhartha Institute of technology in association with ISTE student chapter on 14-9-2023.
- v. Mr. Ch.S.V. Hemanth (22501A0529) won II prize in JAM event conducted at P.V.P.Siddhartha Institute of technology in association with ISTE student chapter on 14-9-2023.
- vi. **Ms.** Ch. Bhavya Srujana (21501A0517) won III prize in JAM event conducted at P.V.P.Siddhartha Institute of technology in association with ISTE student chapter on 14-9-2023.
- vii. Ms. P.Harshitha (22501A05E5) won consolation prize in JAM event conducted at P.V.P.Siddhartha Institute of technology in association with ISTE student chapter on 14-9-2023.
- viii. Ms. Ch.Mounika (21501A0530) won I prize in Ideathon contest conducted at P.V.P.Siddhartha Institute of technology in association with ISTE student chapter on 16-9-2023.
- ix. Mr. A.Hemesh (22501A0504), Mr. Ch.S.V. Hemanth (22501A0529) won II prize in Ideathon contest conducted at P.V.P.Siddhartha Institute of technology in association with ISTE student chapter on 16-9-2023.
- x. Mr. K.Vishwanth (21501A0586) won III prize in Ideathon contest conducted at P.V.P.Siddhartha Institute of technology in association with ISTE student chapter on 16-9-2023.
- xi. Mr. K.Chaitanya (20501A0575) won **I prize** in National Level Project Envision and Tech-Innovative Hackathon held at SR Gudlavalleru Engineering College on 30-10-2023 and 31-10-2023.
- xii. Mr.Nikhil Singh Chowhan (21501A05C0) **won Gold Medal** JD&AS - (AP & T NCC directorate got second place) in ALL INDIA THAI SAINIK CAMP (AITSC) on 29-9-2023.

Participation of Students in NITs/IITs/ Premier institutions:

- i. Ms.P.L. Niveditha (20501A05E3) IV CSE, have been selected for the “Machine Learning Optional Bootcamp” from 16th to 30th December, 2023 organized by WE - TalentSprint at IIIT Hyderabad.

- ii. 8 students participated for ACM India Winter School on “Recent Trends in AI/ML for industry 4.0” hosted by IIT Patna.
- iii. Ms. S.Likitha participated for ACM India Winter School on “Algorithmic Foundations of Data Science” hosted by NISER, Bhubaneswar.
- iv. Ms. P.Geethika participated for ACM India Winter School on “Cryptography and Network Security” hosted by VIT, Vellore.
- xiii. 4 Students Participated in National Level Project Envision and Tech-Innovative Hackathon held at SR Gudlavalleru Engineering College on 30-10-2023 and 31-10-2023.
- xiv. 9 Students participated in CODE & CREATE held at P.V.P. Siddhartha Institute of Technology on 12-10-2023.
- xv. Mr. K.Naga Praveen (21501A0599) participated in CODE TITAN 2K23 held at P.V.P. Siddhartha Institute of Technology on 11-10-2023.
- xvi. 16 Students participated in CELESTIA - 2K23 at V.R.Siddhartha Engineering College, Kanuru on 24-08-23 & 25-08-23.
- xvii. Ms. Samala Neelima (21501A05F5) in Digital Detective at VVIT, Andhra Pradesh on 11-08-2023.
- xviii. 5 students participated in “Pitch Competition” organised by P.V.P.Siddhartha Institute of Technology on 21-8-2023.
- xix. 29 students participated in “Digital Detective”, “Code Hustle” and “Tech Trek” events at VVIT, Nambur on 11-08-2023.
- xx. 7 students participated in ‘E-Commerce & Technical Quiz “ by Flipkart Grid (Online) on 10-08-2023.
- xxi. Mr.V. Sri Sravya (20501A5H7), Ms.U.Kavya Sri (20501A05H3) and Ms.Y. Vaishnavi (20501A05J2) presented an innovative idea about “Autonomous Car Parking” and stood III place at an event Volkswage i-Mobilothan hosted by Volkswagen Group Technology. Solution.
- xxii. Ms.K.N.Sushma Sree, Ms.M.Hima Bindu, Ms.Mounika Bingi, Ms,N.Dhanu Sree, Ms.N.Akhila, Ms. P.Divya Teja of III CSE participated and presented problem statement on “Fake Social Media Profile Detection and Reporting” in SMART INDIA HACKATHON, Grand Finale 2023, Organized by Manipal University Jaipur, on 19-12-23 and 20-12-23
- xxiii. Mr.J.Manoj Kumar, Mr.J.Dinesh, Ms.K.Pavithra Sai, Mr.K.Chaitanya, Ms.K.Lakshmi Neha, Mr.M.Dharma Teja of IV CSE participated and presented an idea on “AI based IT Training

System” in SMART INDIA HACKATHON, Grand Finale 2023 organized at QIS College of Engineering & Technology, Ongole, AP, on 19-12-23 and 20-12-23.

- xxiv. Mr.K.Leela Prasad(20501A0574) participated in CELESTIA - 2K23 organised by VRSEC on 24-08-23 & 25-08-23
- xxv. Mr. G. Venkatesh (20501A0562), Ms.K. Gowthami (21505A0508) participated in CODE HUSTLE organized by VVIT on 10-08-2023.
- xxvi. 18 students participated in Ideathon event conducted at P.V.P.Siddhartha Institute of technology in association with ISTE student chapter on 16-9-2023.
- xxvii. 178 students participated in Bhikaiji Rustom Cama-QuizTory Masters event conducted at P.V.P.Siddhartha Institute of technology in association with ISTE student chapter on 15-9-2023.
- xxviii. 19 students participated in JAM event conducted at P.V.P.Siddhartha Institute of technology in association with ISTE student chapter on 14-9-2023.
- xxix. Mr.P.Naveen Kumar, Mr.P.S.G Pranav Rahul, Mr.T.Surya, Mr.V.S.V Sai Krishna of III CSE participated in JAM organised by VVIT VIVA on 21-12-23 and 22-12-23.
- xxx. Mr.Kesya Nayak M of III CSE participated in QUIZ organised by VVIT VIVA on 21-12-23 and 22-12-23
- xxxi. Mr.P.Naveen, Mr.B.Rahul, Mr.V.S.V Sai Krishna of III CSE participated in PICTO organised by VVIT VIVA on 21-12-23 and 22-12-23

b) Extra-curricular Activities:

- i. Mr.P.Darshet (21501A0536) III CSE won II prize in Declamation event in District level Youth Festival-2023 from NTR District conducted at SRR & CVR Govt.Degree College, Vijayawada on 30-8-2023.
- ii. Mr. K.Naga Praveen (21501A0599) participated in DEBATE held at P.V.P. Siddhartha Institute of Technology on 4-10-2023.
- iii. Mr.K.Sai Kiran (22501A0591), Mr.K.Pushpa (22501A0592), Mr.L.Chaitanya (22501A0598), Mr.Chennaiah (22501A05A8), Mr.M.Venkatesh (22501A05B8), Mr.N.Jaya Kumar (22501A05C0) participated in KHO – KHO organized by SRGEC from 18-11-23 to 20-11-23.
- iv. Ms.V.S.N.Himaja (20501A0513) participated in FEM TECH (Online Aptitude Assessment of the Loreal Sustainability Challenge 2023) on 01-11-2023.

- v. Mr.G.Jehuezra (20501A0561), Mr.G.Venkatesh (20501A0562) participated in OPTIC MYSTERY organized by VVIT on 06-10-2023.
- vi. 37 students from II B.Tech. CSE performed group dance programs and songs, students participated as volunteers organized by PVP Siddhartha Institute of Technology on the eve of Fresher's day program, 09-11-2023.



Fig.6: II CSE B.Tech. Students on the eve of Fresher's day program, 09-11-2023.



Fig.7: II CSE B.Tech. Students on the eve of Fresher's day program, 09-11-2023.

c) Student Papers:

Students presented papers in Conferences

- i. Ms.A.Sai Sindhuri, Ms.A.Sushma Parvathi, Mr.K.Anvesh and Mr.G.Venkateswar Reddy in collaboration with Dr.S.Madhavi and Dr.N.V.Ramana Gupta presented and published a paper "Enhanced Deep Convolutional Neural Networks for Facial Mask Recognition using MobileNetV2

Transfer Learning Techniques”, in 2nd International Conference on Edge Computing and Applications (ICECAA) , July-23, with ISBN: 979-8-3503-4757-9.

- ii. Mr.Sai Siddhartha Parvathaneni, Mr.Siva Venkata Sai Rohith Penugonda, Mr.Aditya Vardan Sai Kiran Sure, Mr.Venkatesh Tejavathu in collaboration with Dr.Rama Devi Jujjuri presented and published a paper “ Detection of face mask using sequential convolution neural network framework” in International Conference On Research Advancements and Innovations in Computing, Communications and Information Technologies, July-23 with ISBN: 978-0-7354-4584-0
- iii. Ms. Monika Sai Pinninti, Mr.Mandava Rupaswi, Mr.Kallam Ram Santhosh Reddy, Mr. Uday Kiran Kodeboyina in collaboration with Dr. M. Sailaja, Dr. G. Lalitha Kumari, Dr. K. Koteswara Rao, Ms. Y Surekha presented and published a paper “Crop Yield Prediction Based on Machine Learning Techniques”, in International Conference on Circuit Power and Computing Technologies (ICCPCT), September-23 with ISBN: 979-8-3503-3324-4.
- iv. G.Vimal Keerthi, A.V.Subbara, V.Chandrika Priyanka, D.Aruna Sri in collaboration with Dr.P.Sai Kiran presented and published a paper “Violence Prediction System Using Bi-LSTM” in 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN), Oct-23, at Salem, with ISBN: 979-8-3503-2285-9 (Scopus)
- v. M.Kavya Sree , J.Jaswanth, R.Mounisha, A.Karthik in collaboration with Dr.P.Sai Kiran presented and published a paper “Automatic Toll Collection using Vehicle Number Recognition System” in 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN), Oct-23, at Salem, with ISBN: 979-8-3503-2285-9 (Scopus)

Papers published in Journals:

- i. Ms.Sandhya Rani M, Ms.Charisma K, Mr.J Tejesh, Ms.Joshitha Sai U, in collaboration with Dr.K.Koteswara Rao published a paper “Experimental Investigations to Detection of Liver Cancer Using ResUNet” in Traitement du Signal, Vol-40, Issue-5, Oct-23 with ISSN: 1958-5608 (SCI) (Scopus)

Higher Education:**GRE LIST**

S.NO	REG.NO	NAME	Exam Reg No
1.	19501A0540	CHAPARALA PUJITHA	2175428 July 19, 2023
2.	19501A0560	YOGANANDA RAMESH GORRIPARTI	2226916 August 9, 2023
3.	19501A0567	CHANDRAHAAS REDDY GUNTAKA	2098737 June 5, 2023
4.	19501A05H7	PRIYA VARDHAN REDDY TAMMA	2051157 August 6, 2023
5.	19501A0529	RAVI KIRAN BHEEMINENI	0319883 December 26, 2022
6.	19501A0580	RAM SANTHOSH REDDY KALLAM	2107918 June 11, 2023
7.	19501A0598	HEMANTH KOMMINENI	9149262 July 8, 2021
8.	19501A05E7	DINESH KUMAR PATIBANDLA	1468786 November 11, 2022
9.	19501A05F6	ALEKHYASARMADA RALLABHANDI	1465249 December 26, 2022
10.	19501A05I0	GEETHIKA THOTA	0458053 January 9, 2022
11.	20501A0511	ASRITHA SRI CHALASANI	2051938 September 24, 2023
12.	20501A0571	PAVITHRA SAI KADIYALA	2168654 August 5, 2023
13.	20501A0599	SAHITI LAVU	2362796 September 20, 2023
14.	20501A0525	HEMANTH BORRA	November 28, 2023 2296572
15.	20501A0537	LOCHAN KRISHNA DASARI	September 6, 2023 2304773
16.	20501A0573	KAKARLA SHANMUKHA SAI	September 10, 2023 2333028
17.	20501A05C8	NAGULLA PAURNAVI YADAV	November 14, 2023 2268786
18.	20501A05C9	NALAJALA SAI SUJITHA	November 30, 2022 1697938
19.	20501A05G0	SOHITHA TADIKONDA	August 8, 2023 2216583
20.	20501A05G3	SUDUNAGUNTA SRI TEJA	December 12, 2022 1736920
21.	20501A0515	SATYA SREE BATHINA	1809562 December 26, 2023
22.	20501A0549	HARSHITA GANDHAM	2275301 August 23, 2023
23.	20501A0568	MANOJ KUMAR JILLELA	2296342 September 4, 2023

24.	20501A0591	CHAITANYA CHANDRA KONERU	2000080 November 30, 2023
25.	20501A05J0	HARI KRISHNA VAMSI YARLAGADDA	1734220 December 9,2022
26.	18501A0588	VIJAY RATNA SRAVANTH PARRE	1839289 October 24, 2023
27.	18501A05A7	VENKATESH TEJAVATHU	2074248 May 27, 2023

IELTS LIST

S.No	Reg.No	NAME	Exam Reg No	SCORE
1.	19501A0540	Chaparala Pujitha	X6750184	7.0 July 15,2023
2.	19501A0576	Uppalapati Joshitha Sai	W5818407	6.5 30April 2023
3.	19501A0529	Ravi Kiran Bheemineni	S7649099	7.0 Nov,2022
4.	19501A0565	Gullapalli Sri Sravani	W5393739	7.0 May,2023
5.	19501A0580	Kallam Ram Santhosh Reddy	W2212557	7.0 Dec,2022
6.	19501A05E4	Paruchuri Sushma Sri	W3576318	6.5 Feb,2023
7.	19501A05F6	Alekhyasarmada Rallabhandi	V9882507	7.0 Oct,2022
8.	19501A0555	Gandamala Mikhil	W5818408	6.0 Aug 19,2023
9.	19501A0567	Guntaka ChandrahaasReddy	X8347155	6.5 July 21,2023
10.	20501A0511	ASRITHA SRI CHALASANI	X6739581	September 9,2023 7.0
11.	20501A0571	PAVITHRA SAI KADIYALA	X5780869	October 7, 2023 8.0
12.	20501A0599	SAHITI LAVU	Y7830302	October 20, 2023 7.5
13.	20501A0525	HEMANTH BORRA	Y6800660	November 18,2023 7.0
14.	20501A0537	LOCHAN KRISHNA DASARI	X8367856	November 1,2023 8.0
15.	20501A05B3	MERAKANAPALLI JAYANTHNAGESWARA RAO	Y8224150	November 9,2023 7.0
16.	20501A05C8	NAGULLA PAURNAVI YADAV	Z7424489	September 9 ,2023 7.0
17.	20501A05C9	NALAJALA SAI SUJITHA	U8442152	November 9,2023 7.5
18.	20501A05G0	SOHITHA TADIKONDA	Y5651132	November 17,2023 7.0

19.	20501A05G3	SUDUNAGUNTA SRI TEJA	Z7426346	November 7,2023 7.5
20.	20501A0506	ALURI VINAY	Z7339066	November 30, 2023 6.5
21.	20501A0515	BATHINA SATYA SREE	W1066977	December 21, 2023 6.5
22.	20501A0591	CHAITANYA CHANDRA KONERU	W7692221	November 4,2023 7.5
23.	20501A05A0	DANDE LOURDU GNANA HARSHITH	X6738757	November 15, 2023 6.5
24.	20501A05G4	SURU KRISHNA KAUSHIK	Z7223056	November 17,2023 7.0
25.	20501A05I7	YADDANAPUDI UDAY SIVA SAI TEJA	W3596292	November 17,2023 7.0
26.	18501A0588	VIJAY RATNA SRAVANTH PARRE	W1084911	October 28, 2023 6.5

TOFEL LIST

S.NO	REG.NO	NAME	Exam Reg No	SCORE
1	19501A0569	GUVALA VIKAS REDDY	8492 4012 3811 0021	85
2	19501A0522	NAGA GOPALA KRISHNA BANDI	6043012227960617	93
3	19501A0560	GORRIPARTI YOGANANDA RAMESH	6458 2082 3876 9944	94

DUOLINGO ENGLISH TEST

S.NO	REG.NO	NAME	Exam Reg No	SCORE
1.	19501A05D5	NIMMAGADDA, KIRANMAI SAI LAKSHYA	December 5,2022	140
2.	19501A05E7	DINESH KUMAR PATIBANDLA	January 9, 2023	120
3.	19501A05I0	GEETHIKA THOTA	January 6,2023	120
4.	19501A05I2	THOTAKURA NAVEEN	February 10,2023	130
5.	20501A0506	ALURI VINAY	Z7339066	November 30, 2023 6.5
6.	20501A0515	BATHINA SATYA SREE	W1066977	December 21, 2023 6.5
7.	20501A0591	CHAITANYA CHANDRA KONERU	W7692221	November 4,2023 7.5

8.	20501A05A0	DANDE LOURDU GNANA HARSHITH	X6738757	November 15, 2023 6.5
9.	20501A05G4	SURU KRISHNA KAUSHIK	Z7223056	November 17,2023 7.0
10.	20501A05I7	YADDANAPUDI UDAY SIVA SAI TEJA	W3596292	November 17,2023 7.0
11.	18501A0588	VIJAY RATNA SRAVANTH PARRE	W1084911	October 28, 2023 6.5

GOT ADMISSION

S.NO	REG.NO	NAME	OFFERED COURSE	UNIVERSITY	Reference Number
1	19501A0567	Guntaka Chandrahaas Reddy	M.S	Texas A&M University- Corpus Christi.	Student ID: A04328583 August 27, 2023
2	19501A0522	Naga Gopala Krishna Bandi	MS in Computer Science program	University of Central Missouri	Student ID Number: 700759020
3	19501A0529	Ravi Kiran Bheemineni	MS in Computer Science program	University of Central Missouri	Student ID Number: 700754024
4	19501A0562	Govada, Kevin Michael	Master of Science in Information Technology and Management	The University of Texas at Dallas	
5	19501A05E7	Dinesh Kumar Patibandla	MS in computer Science	University of North Texas	Student ID: 11689319
6	19501A05F6	Rallabhandi Alekhya Sarmada	MS in Information Technology Project Management	Arizona State University	
7	19501A05B6	Mannam Vamsi Krishna	M.Tech	NIT,WARANGAL	August 9,2023
8	19501A05C2	Mukkapati Rohith	M.Tech	NIT,WARANGAL	August 9,2023

Placements:

- i. Ms. S.Pragna (19501A05H3) of IV CSE got selected for Infosys with a package of 9.50 LPA
- ii. Ms.T. Bhavyasri (20505A0516) of IV CSE got selected for ETHUNS with a package of 2.7LPA
- iii. 3 students of IV CSE got selected for Accenture – AASE with a package of 6.5 LPA
- iv. 76 students of IV CSE got selected for Accenture – ASE with a package of 4.5 LPA
- v. 5 students of IV CSE got selected for Technologies with a package of 4.0 LPA.
- vi. Ms. G. Naga Harshitha (19501A0559) got selected for Walmart Global Technology Services with a package of 16 LPA.
- vii. 9 students of IV CSE got selected for Acmegrade with a package of 4.0 LPA.
- viii. 7 students of IV CSE got selected for Teachnook with a package of 4.0 LPA.
- ix. 18 students of IV CSE got selected for Rinex Technologies Pvt. Ltd with a package of 5.20 LPA.
- x. 21 students of IV CSE cleared written test for Virtusa.
- xi. 24 students of III & IV CSE shortlisted for round1 TCS Codevita .

a) Internships

- i. Mr. P. Prem Kumar (20501A05D8) of IV CSE got selected for AT&T with a package of **16LPA** and paid Internship with a stipend of Rs.45,356 per month
- ii. Mr.V. Sri Sravya (20501A5H7), Ms.U.Kavya Sri (20501A05H3) and Ms.Y. Vaishnavi (201A05J2) got paid internship of Rs.25,000/- per month at VolksWagen for a period of 6 months.
- iii. Mr. Dokala Yaswanth Venkata Satya Naga Sai (21501A0540) Mr.Bala Nireekshan (21501A0512), Mr. Chinta Sai Charan Teja (21501A0529), Mr. Abdul Rafiq (21501A0501), Mr. Akurathi Harsha Vardhan (21501A0503) were selected for internship at JNTU.Hyd
- iv. Ms.B Lalitha Priyadarshini (21501A0515), Ms. B.Anitha (21501A0523), Mr. B.L.Venkata Aditya (21501A0524), Ms. Ch.Mounika (21501A0530), Mr. Ghantasala Jyothendra (21501A0549) got internship offer at IIIT,Hyderabad.
- v. Ms.Buddi Lakshmi Deepak (21501A0525), Mr. Chowhan Buwan Chandra Kumar Singh (21501A0532), Mr. Alla Naga Sai Bhuvana (21501A0505), Ms. Gade Sai Likhitha (21501A0545) got internship offer at IISc , Bangalore

SpaceX - Starship

Elon Musk founded SpaceX, a company that makes rockets and spacecraft.

Third SpaceX Starship Launch Tracking to February 2024



Features of Starship:

- ✓ It is capable of carrying upto 150 tonnes of reusable fuel, which is more than any other rocket in history. SpaceX is One Of The Most Successful Private Spaceflight Companies In The World.
- ✓ They are used for future missions; the upper and lower stages of Starship are designed to land back on earth.
- ✓ Designed to travel on Moon and Mars
- ✓ It is used to travel to anywhere in the world in less than an hour
- ✓ It is under development and made of stainless steel.

SpaceX is also working on a demonstration of a propellant transfer technology, according to Jensen. SpaceX will have to transfer cryogenic propellant from a “header” tank within Starship to its main tank. That will be a precursor to a series of tests of transferring propellant from one Starship to another in orbit. That propellant transfer technology will be crucial for NASA’s Human Landing Systems that will be used from Artemis 3 onwards. Essentially, SpaceX and NASA will create a propellant depot in low-Earth orbit filled with a series of Starship tankers. That would then be used to fuel the lunar lander starship for its trip to the Moon.

The SpaceX starship can create an interesting thing in the world and can be acknowledged by students to inculcate amazing facts about it in all our hearts.

..... Big things take time and once done it

creates a powerful history

Ms. V.PHANI SIRISHA (22501A05J2) II B.Tech

Ms. U.HARSHITHA (22501A05I6) II B.Tech

THE FUTURE OF QUANTUM COMPUTING: UNLOCKING NEW POSSIBILITIES



Quantum computing represents a revolutionary shift in the field of technology, promising to solve complex problems that classical computers struggle with. Unlike traditional computers that use bits (0s and 1s), quantum computers leverage qubits, which can exist in multiple states simultaneously. This unique property allows quantum computers to perform calculations at unprecedented speeds. As the proverb goes, "**Knowledge is power,**" and quantum computing has the potential to unlock new realms of knowledge across various domains, including cryptography, drug discovery, and optimization problems.

The implications of quantum computing extend far beyond just speed. It has the potential to transform industries by enabling breakthroughs in materials science, artificial intelligence, and complex system modeling. For instance, quantum computers could simulate molecular interactions more accurately, leading to the discovery of new drugs and materials. As businesses seek competitive advantages, understanding and adopting quantum technologies will be critical. The saying, "**Fortune favors the bold,**" captures the essence of early adopters who invest in quantum research and development to stay ahead of the curve.

However, the journey toward widespread quantum computing adoption is fraught with challenges, including technical hurdles and the need for a skilled workforce. Ensuring the security of quantum systems is also paramount, as quantum computers could potentially break current encryption methods. As we navigate this transformative landscape, the proverb "**Where there is a will, there is a way**" resonates strongly, reminding us that with determination and innovation, we can overcome obstacles and realize the full potential of quantum computing.

ABDUL AZEEZ (22501A0502) II B.Tech

K.HARSHA VARDHAN (22501A0574) II B.Tech

SHAIK IRFAN HARIS (22501A05G2) II B.Tech