Department Vision:
To be a center for academic excellence in the field of Computer Science and Engineering education to enable graduates to be ethical and competent professionals.

Department Mission:
To enable students to develop logic and problem-solving approach that will help build their careers in the innovative field of computing and provide creative solutions for the benefit of society.

1. Professional Bodies

A. Computer Society of India (CSI Chapter)

➢ The department of Computer Science has hosted a Technical "Debate" through the CSI Student Branch for the students of B. E. III Semester on 18-12-2021.

B. Institute of Engineers (IE Chapter)

➢ An Aptitude Test was conducted by IE Student chapter for B. E. III- year students of CSE ON 19-12-2021.

➢ A Technical Quiz was conducted by IE Student chapter for B. E. II- year students of CSE ON 24-12-2021.

➢ An Aptitude Test was conducted by IE Student chapter for B. E. VI Sem students of CSE ON 23-04-2022.

2. Co-curricular and Extra-curricular Activities

A. Guest Lectures Organized

➢ A guest lecture on "Logic and Switching Theory" was given by **Dr Gajendranath Choudary**, Asst. Professor, IIIT, Hyderabad for B.E III Sem Students on 16.12.2021.

➢ A guest lecture on "React" was given by **Mr. B. Puthvi**, Software Engineer, Accolite, for B.E V Sem Students on 27.11.2021.

➢ A guest lecture on "Technology Trends in Industry" was given by **Mr. Chandra Vasi Reddy**, GM, Operations, Incircles for B.E V Sem CSE Students on 18.1.2021.

➢ A guest lecture on "Design Thinking" was given by **Ms. Neha Bhatt** and **Ms. Prangali Pagey** and **Mr. Kuldeep**, from Aveva Solutions for B.E VI Sem CSE Students on 19.4.2021.

➢ A guest lecture on "Out of the Box with IOT" was given by **Mr. K Badrinath**, from Microsoft for B.E I Sem CSE Students on 14.3.2021.

B. Coding Contests and Workshops

➢ A coding contest conducted for B.E Sem-III students on 29.4.2022.

➢ A 2-day workshop conducted on 'Game Development using Unity' for B.E Sem-V students on 1.4.2022 and 2.4.2022.

➢ A national level online coding contest named 'Bellman Crown 2K22' conducted for B.E Sem-V students on 9.4.2022.

➢ Poster Presentations for B.E Sem-IV students on 19.3.2022.

3. Achievements

A. NPTEL Courses Certification by Faculty

➢ Dr. Nagaratna P Hegde completed the course, "Introduction to Algorithms and Analysis" with an overall score of 85 with Elite-Silver Certificate.

➢ Dr. D. Baswaraj completed the course, "Introduction to Algorithms and Analysis" with an overall score of 82 with Elite-Silver Certificate.

➢ Dr. K. Srinivas completed the course, "Introduction to Algorithms and Analysis" with an overall score of 82 with Elite-Silver Certificate.

➢ M. Sunitha Reddy completed the course, "Introduction to Algorithms and Analysis" with an overall score of 90 with Elite-Silver Top 5% Certificate.

➢ R. Sateesh Kumar completed the course, "Introduction to Machine learning" with an overall score of 71 with Elite Certificate.

➢ C. Gireesh completed the course, "Introduction to Algorithms and Analysis" with an overall score of 63 with Elite Certificate.

➢ Navakanth completed the course, "Theory of computation" with an overall score of 73 with Elite Certificate.

➢ T. Jalaja completed the course, "Introduction to Algorithms and Analysis" with an overall score of 81 with Elite-Silver Certificate.

➢ T. Nishitha completed the course, "Introduction to Wireless and Cellular Communications" with an overall score of 72 with Elite Certificate.

➢ S.Komal Kaur completed the course, "Reinforcement Learning" with an overall score of 51.

➢ M. Jitender Reddy completed the course, "Software Engineering" with an overall score of 68 with Elite Certificate.

➢ T. Saikanth completed the course, "Switching Circuit & Logic Design" with an overall score of 53.

➢ B. Snehalatha completed the course, "Introduction to Algorithms and Analysis" with an overall score of 63 with Elite Certificate.

➢ P.Samyuktha completed the course, "Introduction to Operating Systems" with an overall score of 55.

➢ J. Madhumathi completed the course, "Introduction to Algorithms and Analysis" with an overall score of 66 with Elite Certificate

B. Awards and Recognitions to faculty

- Dr. T. Adilakshmi received best paper award for the paper titled " Secure Cluster-based Routing using Modified Spider Monkey Optimization for Wireless Sensor Networks " presented at 5th international conference on Smart Computing and Informatics SCI-2021 at an international level in September 2021.
- S Vinay Kumar received best paper award for the paper titled " Task scheduling in cloud computing using PSO Algorithm" presented at 5th international conference on Smart Computing and Informatics SCI-2021 at international level in September 2021.
- M Jitender Reddy emerged as the Topper (Top 2%) in the NPTEL course on "Internet Protocols and Computer Networks" at national level in September 2021.
- M Sunitha Reddy Achieved NPTEL Elite-Gold certificate in the subject of "Introduction to Algorithms and Analysis". The NPTEL-Gold is awarded to those who score more than 90% marks at the national level in July-October 2021.
- I Navakanth awarded as NPTEL Discipline Star. This certificate is awarded by NPTEL to those candidates who are certified in NPTEL courses of the same discipline, completed more than 50 weeks of learning and final score in each subject >=55 at the national level in December 2021.
- M Jitender Reddy Awarded as Ideathon Star Academy Instructor by Cisco. The Cisco's Ideathon is a recruitment process for Cisco NetAcad institutions. This award is conferred to the staff of NetAcad institution who provides the best training as per the Cisco instructions and see that their students are placed in Cisco at the national level in February 2022.
- P Narasaiah Became Program Administrator for the Coursera program: IN-ACE Track-VASAVI COLLEGE OF ENGINEERING -NPu-September-2021 at the national level in September 2021.
- S Vinay Kumar emerged as NPTEL top 1%: Being scored 90% in Machine Learning (ML) course at the national level in April 2022.
- M Jitender Reddy emerged as NPTEL top 1%: 94% in Computer Networks and Internet at the national level in April 2022.
- M Jitender Reddy Awarded by CISCO In recognition of expert-level Instructor Excellence at the national level in 2021.
- Dr. V Sireesha emerged as NPTEL top 2%: Being scored 75% in Machine Learning course at the national level in April 2022.
- C Gireesh has written A Book Chapter titled "A survey on Deep Learning Models to Detect Hate Speech and Bullying in Social Media". This chapter will be included in a book published by NIT, Silchar in association with Springer at the national level in April 2022.

- M. Sunitha, Asst. Professor has completed Phd from JNTU Hyderabad on January 2022.
- Jithendar Reddy has completed Phd from JNTU Hyderabad on July 2022.

4. Paper Publications

- **Dr.T.Adilakshmi**, Head of Department, published a paper on "Structure Learning of Baysian Network from the data" in International journal of computational systems engineering (IJCSYSE) in June 2022.
- **M.Sunitha**, Asst. Professor and **Dr.T.Adilakshmi**, Head of Department published a paper on "Retail Sales Forecasting Using Transaction Logs: LSTM Networks in Google AI Platform" in STRAD RESEARCH in November 2021.
- **M.Sunitha**, Asst. Professor and **Dr.T.Adilakshmi**, Head of Department published a paper on "Addressing Longtail Problem in Music Recommendation System" in International journal of computational systems engineering (IJCSYSE) in October 2021.
- **Dr.T.Adilakshmi**, Head of Department, published a paper on "Structural Refinement of Manually created Bayesian Network for Prostate Cancer Diagnosis" in International journal of computational systems engineering (IJCSYSE) in October 2021.
- **Dr.T.Adilakshmi**, Professor and Head of Department, and **T.Jalaja**, Asst. Professor, Professor published a paper on "Automated Inter-Artifact Traceability Management Framework in Self-Adaptive Systems" in The International journal of analytical and experimental modal analysis in August 2021.
- **Dr.T.Adilakshmi, Professor** and Head of Department, and **S. Komal Kaur**, Asst. Professor published a paper on "Machine Learning Algorithms to infer User Demographics from Ratings" in The International journal of analytical and experimental modal analysis in August 2021.
- **Dr. D. Baswaraj**, Professor published a paper on "An Interactive Web Based Heart Disease Prediction Using Random Forest Algorithm" in The International journal ofanalytical and experimental modal analysis in August 2021.
- **Dr. V. Sireesha**, Asst. Professor and **Dr. Nagaratna P Hegde**, Professor published a paper on "Employee Sentiment Analysis Towards Remote Work during COVID-19 Using Twitter Data" in International Journal Intelligent Engineers in February 2022.
- **Dr. Nagaratna P Hegde**, Professor published a paper on "Implementation of Fusion of Sclera and Periocular as A Biometric Authentication System Using Deep Learning, International Journal of Engineering Trends and Technology" International Journal of Engineering Trends and Technology in January 2022.

- **Dr. Nagaratna P Hegde**, Professor published a paper on "Patch Based Sclera and Pericular Biometrics using Deep Learning" in the International Journal of Computer Networks and Information Security in March 2022.
- **Dr. Nagaratna P Hegde**, Professor published a paper on "Secure Face Recognition for App Lock System" in Science, Technology and Development in August 2021.
- **Dr. Nagaratna P Hegde**, Professor published a paper on "Novel Hybrid Security Aware Defense Mechanism for Advanced Persistent Threats Attack Detection" in International Journal of analytical and experimental modal analysis, August 2021.
- **Dr. V. Sireesha**, Asst. Professor published a paper on "A Comparative Analysis of Symmetric and Asymmetric Key Cryptography Techniques" in the International Journal of analytical and experimental modal analysis in August 2021.
- **Dr. K. Srinivas**, Asst. Professor published a paper on "Scalable and Secure Multi FactorAuthentication Cryptography for IOT System" in The International journal of analytical and experimental modal analysis in August 2021.
- **Dr. K. Shailaja**, Asst. Professor published a paper on "Data Mining Method for futureOnline Business to learn custom patterns from Web mining data" in Dogo RangsangResearch Journal in August 2021.
- **C. Gireesh**, Asst. Professor published a paper on "Identification of Suspected Illicit messages in twitter using SVM and Naive Bayes algorithms" in International Journal ofAnalytical and Experimental Modal Analysis in August 2021.
- **B.Syamala**, Asst. Professor published a paper on "Object Tracking System Using Deepsort" in International Journal of Analytical and Experimental Modal Analysis inAugust, 2021.
- **Narsaiah Putta T**, Asst. Professor published a paper on "A New Architecture for theInternet of Things" in International Journal of Analytical and Experimental Modal Analysis in September 2021.
- **Vijay Kumar**, published a paper on "Exponentially-Spider Monkey Optimization based allocation of resource in Cloud" in the International Journal of Intelligent Systems in March 2022.
- **Dr. K. Shailaja**, Asst. Professor published a paper on "Competitive Strategies Adopted by Online Retailers Analysis in covid 19 medical crisis" in Journal of Positive School Psychology.
- **Anusha Merugu,** published a paper on "A Hybrid SVR based non-linear parametric estimation model for software reliability estimation" in Journal of Peerj Computer Science.

5. Alumni Activities Conducted

➤ A placement orientation talk was given by Mohan Mahesh, Associate Engineer, Oracle, Hyderabad, 2021 batch for B. E V Sem Students on 25.09.21.

➤ A Technical talk on "GUI Application Development with AWT" was given by Aparna Dharba, Software Engineer, Visa, Bangalore, 2021 batch, for B. E III Sem Students on 30.10.21.

➤ Theme-based project award was given by Karthik, Tech Lead, Decision Mind, Santhosh Ragava, Project Manager, Deloitte, 2008 batch, for B. E V Sem Students on 6.11.21.

➤ Alumni meet conducted where 170 alumni attended the meet on 18.12.21.

➤ A talk on Induction of Online Coding Platforms by Mr I. Prabhakar, Senior Software Engineer, Oracle to 1st Semester students on 28.1.22.

➤ Session on "Industry Standard Coding" taken by A.V.L. Harshitha, Software Engineer, Google for 4th Semester students on 12.2.22.

➤ Session on "Career Prospects in Foreign Countries" taken by Mr. M.Akhil, Software Engineer, Adobe for 6th Semester students on 18.3.22.

➤ Session on "Machine learning in healthcare" taken by Mr. Nitin Singh, Lead Data Scientist for 4th Semester students on 30.4.22.

➤ Session on "Recent Trends in Technology" taken by Mr. Anji Prasad Arava, Program Manager, TEK Systems for M.Tech II, IV Semester students on 21.5.22.

➤ Session on "Real time Applications of Machine Learning" taken by Ms. Ananya Muhkerjee, Ph.D fellow at IIIT Hyderabad for 4th Semester students on 24.6.22.