



Vasavi College Of Engineering (Autonomous)

CSE NEWS BULLETIN

Department of Computer Science & Engineering
Ibrahimbagh -500031

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VISION OF THE DEPARTMENT

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.

MISSION OF THE DEPARTMENT

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.

PEOS

1. Solve problems in a modern technological society as valuable and productive engineers
2. Function and communicate effectively, both individually and within multidisciplinary teams.
3. Be sensitive to the consequences of their work, both ethically and professionally, for productive professional careers.
4. Continue the process of life-long learning.

1. PROFESSIONAL BODIES

a. Student IE Chapter

- **“Reverse Coding”**, in association with the Student IE chapter (Institution of Engineers), was conducted for B.E. 2/4 CSE students on February 1st, 2020.

The main objective is:

- ✓ To test student's logical and reasoning skills which plays a crucial role on their upcoming career.
- ✓ To provide a platform to express their logical skills in a stipulated amount of time.

P. Benny Joseph from B.E 2/4 CSE – A secured the first position, M. Chetan B.E 2/4 CSE- B secured second position, CH. Vamsi Anirudh B.E 2/4 CSE – A secured 3rd position in the competition.



b. CSI Student Chapter

☞ The CSI Annual awards ceremony on various categories was held on 18th January 2020. It recognizes the contribution of chapters, individuals and institutions.

☞ Our Institution is selected for the following awards for the academic year 2017-18 and 2018-19

- Best Accredited Student Branch Award
- Largest student Branch Award
- Longest Continuous SBC Award
- Highest Committed Student Branch Activist Award






☞ A “Pre Placement Quiz” has been conducted by CSI Student Branch for B.E 3/4 CSE students on February 1st, 2020.

- The students were given 60 questions based on aptitude and problem solving, through pen-and-paper mode. The quiz was time-bound having tricky questions which required the students to think-out-of-the box and solve within the time. The quiz was similar to the first round of most placements.
- G. Harshavardhan Reddy B.E 3/4 CSE – A, G. Sanjana B.E 3/4 CSE – B have secured 1st position, K. Lokesh B.E 3/4 CSE – A secured 2nd position, Tekale Sathvik B.E 3/4 CSE – B secured 3rd position.



























2. CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES













❖ Guest Lectures

-  A guest lecture on “**Applications of Block Chain Technologies**”, by Dr. Badrinath G Srinivas, Research Scientist, Amazon Development Centre, Hyderabad for B.E 3/4 CSE students on 25-01-2020.
-  **PEGA – CSA orientation program** by Sarada Satpathy, Tech Lead, Pega for B.E 3/4 CSE students on 23-01-2020.
-  Launch of **Amazon Campus Mentor Series (ACMS)** by Amith Gupta, Director, HR, Amazon for 3/4 CSE girl students on 22-01-2020.

❖ Workshops/ Conferences Attended





-  MSV Sashi Kumar, Asst. Professor, S. Vinay Kumar, Asst. Professor, attended “**Blockchain Technologies**” event conducted by Gudlavalleru Engineering College from 09-06-2020 to 13-06-2020.
-  MSV Sashi Kumar, Asst. Professor, attended “**Networking in the Cloud – Elastic Load Balancing (ELB) and Amazon VP**” event conducted by Amazon AWS on 08-04-2020.
-  S. Komal Kour, Asst. Professor, Dr. B. Baswaraj, Professor, attended “**IOT and Machine Learning**” event conducted by G. Pulla Reddy Engineering College (Autonomous) from 26-06-2020 to 30-06-2020.
-  S. Komal Kour, Asst. Professor, V. Punna Rao, Asst Professor, T. Jalaja Asst. Professor, attended “**Digital Transformation in Teaching Learning Process**” event conducted by IIT Bombay (TEQIP 3) from 06-04-2020 to 22-04-2020.
-  S. Komal Kour, Asst. Professor, Sindhe Swetha, Asst. Professor, Bandari Sneha Lata Asst. Professor, attended “**Artificial Intelligence**” event conducted by Vignana Bharathi Engineering College from 22-05-2020 to 26-05-2020.
-  S. Komal Kour, Asst. Professor, attended “**Neural Networks and Deep Learning Using Python**” event conducted by Reva University from 01-06-2020 to 05-06-2020.

-  S. Komal Kour, Asst. Professor, attended “**Internet of Things**” event conducted by Vikas College of Engineering from 27-06-2020 to 10-07-2020.
-  S. Komal Kour, Asst. Professor, attended one week online Faculty Development Programme on “**Recent Trends in Computing**” conducted by Nalla Malla Reddy College from 05-06-2020 to 10-06-2020.
-  S. Komal Kour, Asst. Professor, attended “**Research Opportunities in image processing and machine learning**” event conducted by CBIT, Hyderabad, from 29-06-2020 to 03-07-2020.
-  S. Komal Kour, Asst Professor, attended a three days international workshop on “**Real Time Cognitive Services on Azure Cloud**” conducted by Parvathy Arts and Science College from 10-06-2020 to 12-06-2020.
-  S. Komal Kour, Asst. Professor, attended a three days Virtual hands-on “**Python for Data Analysis**” conducted by Reva University from 17-06-2020 to 19-06-2020.
-  S. Komal Kour, Asst. Professor attended “**Blockchain Technology**” event conducted by Kallam Haranadha Reddy Institute of Technology from 26-05-2020 to 28-05-2020.
-  I. Navakanth, Asst. Professor, Sindhe Swetha, Asst. Professor, attended “**Role of Machine Learning & Data Sciences in AI**” event conducted by MGIT, Hyderabad, from 28-06-2020 to 02-07-2020.
-  M. Sunitha Reddy Asst. Professor, I. Navakanth, Asst. Professor, Sindhe Swetha, Asst. Professor, T. Sarath Asst. Professor, Bandari Sneha Lata, Asst. Professor, T. Jalaja, Asst. Professor, KB Bini, Asst. Professor, K. Mamatha, Asst. Professor, Komal Kour, Asst. Professor, attended “**Digital Marketing Sessions for Teachers on Google Class room and Microsoft teams**” event conducted by North Storm Academy from 24-06-2020 to 25-06-2020.
-  Sindhe Swetha, Asst. Professor, attended “**Industrial Collaboration program in Machine Learning**” event conducted by Loyala College, Chennai from 22-06-2020 to 25-06-2020.
-  Sindhe Swetha, Asst. Professor, attended 5 days Faculty Development Programme on “**Python 3.4.3**” event conducted by Dharmamurthi Rao Bhagadur Calavala Cunnan Chetty’s Hindu College, Chennai from 10-06- 2020 to 15-06-2020.
-  Dr. D. Baswaraj, Professor, attended Faculty Development Programme on “**Academic Research in Engineering for Industry and Patents**” conducted by MVSR Engineering College, Hyderabad from 01-06-2020 to 05-06-2020.
-  Dr. D. Baswaraj, Professor, attended Online Global Faculty Development Programme on “**Advanced Artificial Intelligence and Data Engineering**” conducted by Vidya Jyothi Institute of Technology, Hyderabad from 08- 06-2020 to 11-06-2020.
-  Dr. D. Baswaraj, Professor, attended “**Online Digital Marketing Session**” conducted by Mithibai Motiram Kundnani College, Mumbai from 24-06-2020 to 25-06-2020.
-  T. Jalaja, Asst. Professor, attended “**Data Science Concepts-Theoretical and Practical Approach**” event conducted by Dayananda Sagar University, Bengaluru from 15-06-2020 to 19-06-2020.
-  T. Jalaja, Asst. Professor, attended “**Cloud Computing & Devops**” event conducted by Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology from 23-06-2020 to 27-06-2020.
-  T. Jalaja, Asst Professor, attended a National level Workshop on “**SQL for Data Analysis**” conducted by JAIN (Deemed-to-be University) School of Computer Science and Engineering on 21-06-2020.
-  KB Bini, Asst Professor, attended 3 days FDP on “**Information Security and Cryptography**” event ~~and~~ by Lendi Institute of Engineering and Technology, Vizianagaram from 20-06-2020 to 22-06-2020.
-  S. Vinay Kumar, Asst. Professor, attended “**Artificial Intelligence and its Applications**” event conducted by Ramachandra College of Engineering, Eluru from 25-05-2020 to 30-05-2020.

-  S. Vinay Kumar, Asst. Professor, MSV Sashi Kumar, Asst. Professor, attended “**Pioneering AI Technology –A Case Study Approach**” event conducted by Dayananda Sagar University, Bengaluru from 22-06-2020 to 26-06-2020.
-  Dr. Nagaratna P. Hegde, Professor attended 5 days Faculty Development Programme on “**Artificial Intelligence**” conducted by GNITS, Hyderabad from 22-05-2020 to 26-05-2020.
-  Dr. Nagaratna P. Hegde, Professor, Dr. V. Sireesha, Asst Professor, MSV Sashi Kumar, Asst. Professor, attended 5 days Faculty Development Programme on “**Cyber Forensics and Cyber Security**” conducted by GNITS, Hyderabad from 15-06-2020 to 19-06-2020.
-  Dr. V. Sireesha, Asst Professor, attended a 5 days Faculty Development Programme on “**Advanced Data Science and its Applications**” conducted by GNITS, Hyderabad from 22-06-2020 to 26-06-2020.
-  R. Sateesh Kumar, Asst. Professor attended a two days hands on workshop on “**Google form Add ons**” conducted by Spoorthy Engineering College from 19-06-2020 to 20-06-2020.
-  S. Vinay Kumar, Asst. Professor, MSV Sashi Kumar, Asst. Professor, attended a 3 days Faculty Development Programme on “**IoT with Artificial Intelligence**” conducted by Sir CR Reddy College of Engineering, Eluru from 27-05-2020 to 29-05-2020.
-  S. Vinay Kumar, Asst. Professor, MSV Sashi Kumar, Asst. Professor, did an online certification course on “**Digital Teaching Techniques**” conducted by ICT Academy from 29-06-2020 to 04-07-2020.
-  Dr. V. Sireesha, Asst. Professor, MSV Sashi Kumar, Asst. Professor, Swetha Shinde, Asst. Professor, Komal Kour, Asst. Professor attended Faculty Development Programme on “**Artificial Intelligence**” conducted by BVRIT, Hyderabad from 22-05-2020 to 26-05-2020.
-  Dr. K. Srinivas, Associate Professor, attended online Faculty Development Programme on “**Machine Learning Algorithms, Applications & Advantages**” conducted by Kamala Institute of Technology & Science in association with Computer Society of India, Hyderabad Chapter from 25-05-2020 to 30-05-2020.
-  K. Mamatha Asst. Professor, attended Faculty Development Programme on “**PHP and MySQL**” conducted by JNTU- Jagtial from 18-05-2020 to 23-05-2020.
-  Dr. T. Adilakshmi, HoD, Professor, attended “**Examination Reforms**” event conducted by AICTE from 22-04-2020 to 25-2-2020.
-  Dr. Nagaratna P. Hegde, Professor, Dr. V. Sireesha, Asst. Professor, R.Sateesh Kumar, Asst. Professor, S Vinay Kumar, Asst. Professor, P. Narshiah, Asst. Professor, V. Punnarao, Asst. Professor, Ch. Gireesh, Asst. Professor, I. Navakanth, Asst. Professor, S. Saikanth, Asst. Professor, KB. Bini, Asst. Professor, S. Swetha, Asst. Professor, attended Faculty Development Programme on “**Joy of Computing using Python**” conducted by NPTEL from July 2019 to December 2019.

3. Achievements


❖ Students

-  **27 students** were **offered jobs** in 43 different companies out of 62 companies for the academic year 2019- 20.
-  **Number of students** with job offers over **7.5 lakhs** package were **91**
-  **Average pay package** for the students this year is **7.38 lakhs**
-  **99 students** were offered **internships** by reputed IT organizations. Over **50** students secured **internships**.


- ☞ **7 students** were offered the **highest stipend** of Rs. **60000/-** per month by **Amazon**. **Two** students converted as **Full time employees** with **Amazon**.
- ☞ **8 students** were offered **highest stipend** of Rs. **60000/-** per month by **CISCO** and **Full-time Employment** with pay package of 15 Lakhs.
- ☞ **Two** first year students Nischala and Akshita were selected for **Google WE (Women Techmakers) scholarship program**. They will receive **2 Lakhs for two years period**.
- ☞ **Six third year students** who were selected for **Google WE program** last year were extended **stipend of Rs. 1 Lakh for one more year**.
- ☞ K. Anisha B.E CSE 3/4 and Akash. S Vora B.E 2/4 CSE are selected as the Student Ambassadors for the Infosys Campus Connect Programme for the year 2020-21.
- ☞ VCE secured 72nd rank in the GUVI RPA Challenge out of 426 colleges that participated.
- ☞ UiPath offered a self-learning course “Step into Robotic Process Automation (RPA)” in which 104 students studying in 1st and 2nd year CSE completed and got certified in the year 2019-20.
- ☞ Shruthi, K. Anisha, Nirupam, Abhishek from BE 3/4 CSE reached the IBM Hackathon finals.
- ☞ 6 teams participated in the MHRD COVID Samadhan contest and one team went till pre final round.
- ☞ 6 Students have participated in Smart India Hackathon 2019 under Ministry of Road and Transport & Shiksha ‘O’ Anusandhan, Bhubaneswar, Odisha.
- ☞ P. Benny Joseph BE – 2/4 student was awarded NPTEL Super Star for being a topper in 3 courses DAA, DS using python, and C++) out of 4, he appeared in December 2019.
- ☞ A total of 70 students from BE 3/4 and 4/4 completed Architecting with Google Compute Engine course under Google Career Readiness Programme in November 2019.
- ☞ Vishali from BE 4/4 CSE was the Jam Winner in Edventure 2019 organized by M/s. Jointlook.
- ☞ Three students from BE 4/4 CSE have received 2nd prize in the IOT Hackathon organized by CSI & SIG Club.


❖ Faculty

- ☞ Established Internet of Things (IoT) Lab from the academic year 2019-20. Received funding of **Rs 1 Lakhs** from AICTE to establish Industrial IoT (IIoT) Lab in AY. 2019-20.
- ☞ A total of 26 papers were published out of which 14 research papers were published in Scopus indexed journals and 12 research papers were published in UGC CARE Journals in 2019-20.
- ☞ Amazon have recognized M S V Sashi Kumar as a Faculty Ambassador under AWS Educate programme in recognition of his development, implementation and thought leadership in cloud computing programs, curricula and courses.
- ☞ Dr. K. Srinivas, Associate Professor, is the Co-Principal Investigator for the project titled “File ~~org~~ Techniques for Image Files with Missing Fragments”. The JNTUH University (through Collaborative Research Scheme of TEQIP-III) has sanctioned Rs 2,94,500 /- for his research project on 30-07-2020. Vasavi College of Engineering, Hyderabad is the Collaborating Research Institute for this project.
- ☞ S. Vinay Kumar, Dr. V. Sireesha, T. Jalaja and Shanmugha Sundari were awarded NPTEL Discipline Stars (Faculty who have completed courses, whose duration totals to 50 weeks or more, final score in every course must be >= 55, since July 2018)


 P. Narsaiah was a NPTEL Motivated Learner (present for 8 or more NPTEL exams in last 4 semesters) (Problem Solving and Programming in C, Switching Circuits and Logic Design, ALC, Embedded System Design, Cloud Computing, Data Mining, Joy of computing using Python).


4. PAPER PUBLICATIONS BY FACULTY


 **Dr. T. Adilakshmi**, Professor and HOD and **M. Sunitha**, Asst Professor, published a paper on “Enhancing Item based Collaborative filtering for Music Recommendation system” in the International Journal of Innovative technology and exploring engineering in May, 2020.


 **Dr. T. Adilakshmi**, Professor and HOD, **T. Jalaja**, Asst Professor, published a paper on “Change Impact Analysis using Python for Java Applications” in the International Journal of Recent Technology and Engineering (IJRTE) in May, 2020.


 **Dr. Nagaratna P. Hegde**, Professor, published a paper on “Logic Based Rule Generation from a Trend Artificial Neural Network for Input Data Reconstruction” in the International Engineering Research Journal (IERJ) in March, 2020.


 **Dr. Nagaratna P. Hegde**, Professor, published a paper on “Local Non Zero Eigen Value Preservation Based Expression Recognition” in the International Journal of Recent Technology and Engineering (IJRTE) in March, 2020.


 **Dr. Nagaratna P. Hegde**, Professor, published a paper on “Migration of Oracle DB (on - premise) to AWS Redshift DB (cloud)” in the International Journal of Science Engineering and Advance Technology (IJSEAT) in February, 2020.


 **Dr. Nagaratna P. Hegde**, Professor, published a paper on “Cloud Migration of Oracle Analytical DB (on premise) to AWS redshift” in the International Journal of analytical and experimental modal analysis in February, 2020.













 **Dr. Nagaratna P. Hegde**, Professor, published a paper on “A Machine Learning based email spam classification framework model: related challenges and Issues” in the International Journal of Innovative technology and exploring engineering in February, 2020.

 **Dr. Nagaratna P. Hegde**, Professor, published a paper on “Reduction of Intrinsic Dimension of Feature Space Inherited by Subspace Methods for Expression Recognition” in International Journal of Trend in Research and Development (IJTRD) in December, 2019.



 **Dr. Nagaratna P. Hegde**, Professor, published a paper on “Sales Forecasting using Supervised Machine Learning Methods” in Think India Journal in November, 2019.

 **Dr. Nagaratna P. Hegde**, Professor, published a paper on “ A Study on Sclera as a Biometric Authentication System” in Advances in Intelligent Systems and Computing, SCOPUS and Springer publication in Jan 2019.

 **Dr. K. Srinivas**, Professor, published a paper on “Testing a file carving tool using realistic data generated with openness by a user level file system” in the International Journal of Data Analysis Techniques and Strategies in March, 2020.

-  **Dr. V. Sireesha**, Asst Professor, published a paper on “Mitigation of Sink Hole Attack with QoS based Multipath routing in Wireless Sensor Networks” in Dogo Rangsang Research Journal (IF - 7.56) in June, 2020.
-  **Dr. V. Sireesha**, Asst Professor, published a paper on “A Green Landmark Routing Protocol in Mobile Ad hoc Networks” in TEST Engineering & Management in May, 2020.
-  **I. Navakanth**, Asst Professor, published a paper on “Road Accident Prediction System for Highway Authorities” in International Journal of Advanced Science and Technology in May, 2020.
-  **C. Gireesh**, Asst Professor, published a paper on “Classification of material in Hyperspectral aerial images using Convolutional neural network” in Dogo Rangsang Research Journal (Impact Factor – 7.12) in June, 2020.
-  **M. Sunitha**, Asst Professor, published a paper on “Email Integrated Clustering Framework Based on Sparsity – Density Entropy” in the International Journal of Analytical and Experimental Modal Analysis in April, 2020.
-  **Ramatenki Sateesh Kumar**, Asst Professor, published a paper on “Heart Disease Prediction using Ensemble Learning Method” in the International Journal of Recent Technology and Engineering in May, 2020.
-  **S. Vinay Kumar**, Asst Professor, published a paper on “Secure Cipher Text Attribute based Encryption with Compression Technique for Healthcare Services” in Dogo Rangsang Research Journal in June, 2020.
-  **Dr. K. Srinivas**, Asst Professor, published a paper on “Load Balanced Energy Efficient Cross Layer based Routing Protocol for Wireless Multi – hop Networks” in Dogo Rangsang Research Journal in June, 2020.
-  **T. Jalaja**, Asst Professor, published a paper on “A successive analysis of Automatically Detecting Variations Across Program Versions” in the International Journal of Analytical and Experimental Modal Analysis in April, 2020.
-  **T. Jalaja**, Asst Professor, **Dr. T. Adilakshmi**, Professor and HOD, published a paper on “Automation Impact Analysis” in the International Journal of New Innovations in Engineering and Technology in September, 2019.
-  **S. Komal Kour**, Asst Professor, published a paper on “Characterizing and Predicting Early Reviewers for Effective Product Marketing on E- Commerce Websites” in the International Journal of Analytical and Experimental Modal Analysis in April, 2020.
-  **Dr. M. Shanmukhi**, Professor, published a paper on “NRPCAN: A Novel Routing Protocol for Cognitive Ad- Hoc Networks” in the Journal of Critical Reviews in June, 2020.

5. ALUMNI ACTIVITY

-  A Career Guidance session on “Profile Building through Projects” by Abhinav Reddy Thimma, Associate Software Developer, Accolite Software, Hyderabad for B.E IV Sem Students on 25-01- 2020.
-  43 CSE Alumni attended the Annual Alumni-meet held on 21-12-2019.

6. PLACEMENTS AND INTERNSHIPS

❖ Placements

DATE	COMPANY NAME	NUMBER OF STUDENTS PLACED (CSE)
19-12-2019	S & P Global Internship (15k per month) (Rs. 7.80 Lakhs p. a)	2
03-02-2020 05-02-2020	Huddl Enterprise Communication Pvt. Ltd (15k per month) & Employment (5. 00 Lakhs p. a)	1
01-02-2020 08-02-2020	EY Internship (15k per month) & Employment (Rs. 4. 40 Lakhs p. a)	1
01-02-2020 08-02-2020	Energy Tech Global Internship (10k per month) & Employment (Rs. 5. 00 Lakhs p. a)	2
01-02-2020 08-02-2020	Zomoso Technology Internship (20k per month) & Employment (Rs. 6. 85 Lakhs p. a)	2
05-02-2020 12-02-2020	Electronic Arts (EA) Games India (P) Ltd., (Rs. 9.52 LPA (Basic pay) + Rs. 95,000(Bonus) + 15000US \$(RSU's) = (Rs. 22.8 LPA)	1

❖ Internships:

DATE ATTENDED BETWEEN	COMPANY	NUMBER OF STUDENTS PLACED (CSE)
24-12-2019	Service Now (Internship 45k per month & on conversion to FTE pay package is Rs. 21 Lakhs p. a)	6
27-12-2019	Kodem Legal Technologies India Pvt Ltd. (Internship 10k per month)	3