

Computer Science and Engineering- News Letter

January 2024

2nd January 2024: Dr. Rajeshwari B S, Assistant Professor, Department of Computer Science and Engineering received an IGIP Award from Indo Universal Collaboration for Engineering Education (IUCEE) at ICTIEE 2024 conference.



2nd January 2024: Namratha M, Assistant Professor, Department of Computer Science and Engineering received an IGIP Award from Indo Universal Collaboration for Engineering Education (IUCEE) at ICTIEE 2024 conference.



2nd January 2024: Dr. Selva kumar S Department of Computer Science and Engineering received an IGIP Award from Indo Universal Collaboration for Engineering Education (IUCEE) at ICTIEE 2024 conference.



Dr. Gauri Kalnoor and Shreyas Shrinivas Kalal (PG Student), published the paper titled "Alzheimer's Disease Detection from Brain MRI and Speech Spectrogram using Deep Learning" in Gradiva Review Journal, indexed in Web of Science and UGC Care Group 2 Journal, Q4.

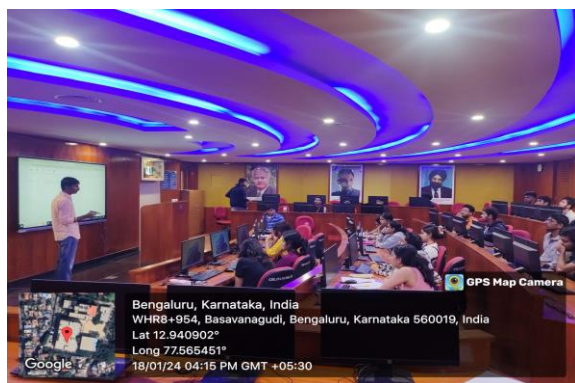
Dr. Gauri Kalnoor published the paper titled "Machine Learning Algorithms for Anomaly

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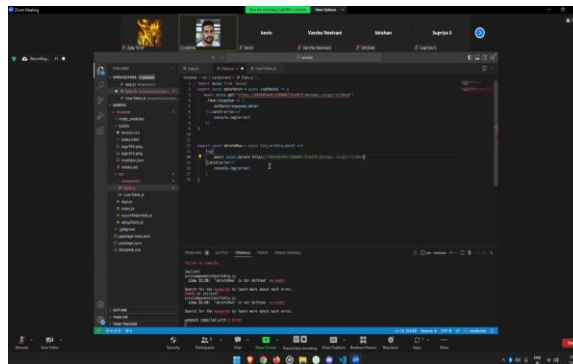
January 2024

Detection in IoT Networks” in the journal Migration Letters, indexed in Web of Science, Scopus, ESCI and Q2.

17th January 2024: Department of CSE in association with IEEE BMS SB and <CodeIO/> conducted a value added course on “Competitive Coding” from 17th to 30th January 2024 for the UG students. Around 30 participants were present for the value added course.



30th January 2024: Department of Computer Science & Engineering in association with <CodeIO/> and BMSCE IEEE Computer Society conducted an online 3-day workshop on Full stack Web Development for the 3rd semester UG students. Around 50 participants were present and the resource person was Mr. Kiran, Software Engineer at HashedIn by Deloitte and Kamali C, Software Developer at Apexon.



31st January 2024: Prof Syed Akram, Assistant Professor, Department of CSE was invited as a resource person at a workshop focused on 'Modern Approach for Agile and Modeling' This event was held by the School of Computer and Information Sciences(SCIS), University of Hyderabad, Hyderabad.

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February 2024

2nd February 2024:

The Department of CSE organized an industrial visit for 5th semester students to Happiest Minds Technologies Pvt Ltd, Bangalore on 2nd February 2024 from 2pm to 4pm. Smt. Sheetal V A and Sri Vikranth B M., Assistant Professors in the department coordinated the industrial visit.



5th Feb

An open house exhibit on “**Internet of Things with Arduino based mini projects**” was organized in the Department of CSE. 5th semester students demonstrated various IoT based Mini Project that were carried out as a

part of their curriculum course Internet of Things, the exhibit was open to all and many lower semester students were curious and were inspired by the efforts and methodologies adapted by the demonstrators. This open house day was very successful in motivating other students to take up such projects in the future. Industry experts visited this event and awarded top 3 best projects with different cash prizes. Dr.K.Panimozhi, Dr Gauri Kalnoor, Prof. Soumya T, and Dr Shyamala coordinated this event.



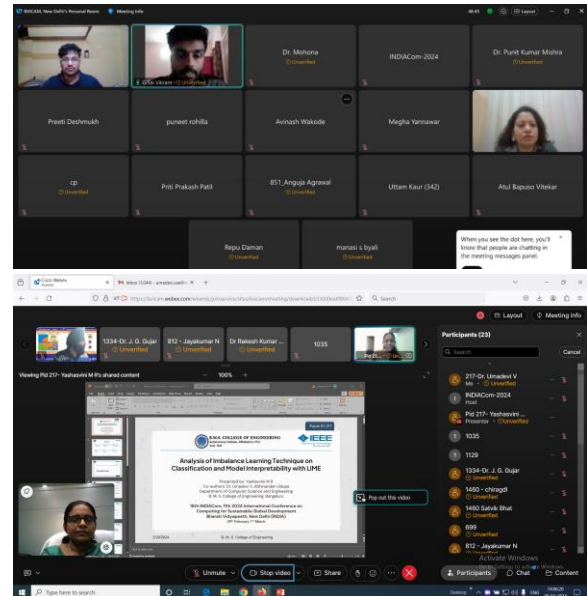
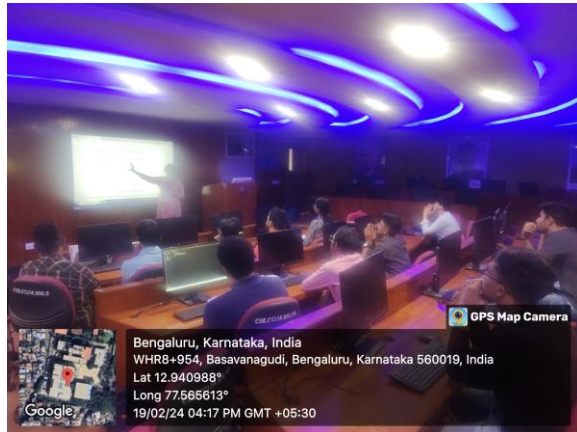
19th February 2024:

Department of CSE in association with IEEE

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February 2024

BMS SB and <CodeIO/> conducted a Value Added Course on “**Java and OOP Basics**” from 19th Feb to 1st March 2024 for the UG students. Around 15 participants were present for the value added course.



29th February 2024:

Under the guidance of Dr. Umadevi V, Associate Professor, Department of CSE, two research papers were presented by CS Undergraduate students Anoshor B. Paul (1BM21CS024), G Sai Vikrant (1BM21CS061), Yashasvini M R and Abhinandan Udupa (1BM19CS003) at 11th 2024 International Conference on Computing for Sustainable Global Development on 29th Feb, 2024 organized by Bharati Vidyapeeth, New Delhi. Titles of research papers are Resilient Kannada Scene Text Detection: CRAFT-YOLOv8 Fusion and Analysis of Imbalance Learning Technique on Classification and Model Interpretability with LIME.

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March 2024

March 9th, 2024:

Rohit Kudache (1BM18CS083), alumni student of CSE department, is now Lt. Rohith for having passed out successfully on 09th March, 2024 from Officers Training Academy ((OTA), Chennai. Passing-out Parade (POP) was held on 9th March, 2024 and he got commissioned officially into the Indian Army as an officer in the rank of Lieutenant. He has secured the best award in Drill. He stood 14 in overall performance in the order of merit out of 240 gentlemen cadets passed from OTA. He has chosen Garhwal Rifles, a well known infantry regiment of the Indian Army with a motto of Yudhaya Krit Nishchaya (Fight With Determination) and a war cry of Badri Vishal Lal Ki Jai (Victory to the Sons of Lord Badrinath). He is now a part of the 14th Regiment of Garhwal Rifles.

Gentleman cadet Rohith was a well disciplined and dedicated cadet during his NCC tenure as part of 3/1 Coy, 1 Karnataka Signal Regiment, Bangalore A Group. He was a RDC-2020 cadet representing Karnataka and Goa Directorate. He quit the well paid IT job and earned the more eternal Olive Green Uniform. His hard work and

perseverance have paid off.



March 13th, 2024: Dr. Umadevi V, Department of CSE, was invited as the Chief Guest for the valedictory function of the ECE Department student association CUESTIC at CHRIST (Deemed to be University), Kengeri campus, Bangalore, on March 13, 2024. At this event, she delivered a technical talk on "Thermography-Based Intelligent System for Diabetic Foot Complications Evaluation" which showcases the ongoing research work of her PhD student, B. G. Sudha.



March 22nd ,2024:

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March 2024

The Department of CSE organized an industrial visit for 5th semester B section students to Hewlett Packard Enterprise, Bangalore on 22nd March 2024.

Smt. Sheetal V A and Sri Vikranth B M., Assistant Professors in the department coordinated the industrial visit.



March 28th ,2024:

Vineet from IMS GATE

Academy delivered a talk on the prospects of GATE exam for Higher Education for 6th sem B students.



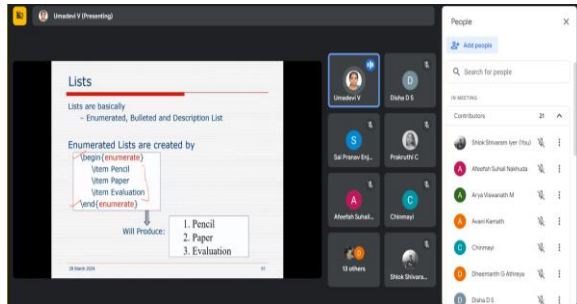
March 28th, 2024:

The Department of Computer Science & Engineering in association with <CodeIO/> conducted a Latex workshop for UG students. The resource person for the workshop was Dr. Umadevi V , Associate Professor, Department of Computer Science

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March 2024

& Engineering and around 40 participants attended the workshop.



March 11th to 15th:

Department of CS&E, has conducted ONE Week FDP on Quantum computing in Association with IEEE student branch in blended mode. 68 faculties have participated. Speakers are from IBM.



March 25th to 30th:

Department of Computer Science & Engineering has conducted One Week FDP on “Robotic Process Automation” and 48 faculties have participated in blended mode. Dr.Selvakumar and Prof.Gururaja H S from BMSCE along with Mr. Bhuvaneshwaran, Harinandan from UiPath company have delivered sessions.

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April 2024

April 1st to 3rd 2024:

Dr. Kavitha Sooda participated in a 3-day Faculty development program on “Cyber Security” As per BCY402 and BICL404 4th Sem VTU-2022 syllabus conducted by RVITM, Bengaluru. Mr. Samarth Bhaskar Bhat, Technical Director, Reverse Engineering Infosec, Bengaluru was the resource person for the event



13th April, 2024:

Dr. Umadevi V, department of CSE was the jury member for the "National Level Project Competition-2024" organized by the Department of Computer Science and Engineering, Bangalore Institute of Technology, Bengaluru on 13th April 2024.



6th April 2024:

The Department of CSE organized a technical talk on “Docker and Kubernetes” for students at BSN Lab, 4th floor. PG Block. The resource person was Mr. Ravi Sajjanar from HPE, Bangalore. Around 20 students from various departments have participated in this event.

18th Apr 2024: Partial delivery of the course “ Research Methodology and IPR” for I-semester M.Tech students was delivered by Ms. Priyanka, Indian Patent Agent, IP Cell, KSCST, IISc, Bengaluru.

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April 2024



20th Apr 2024:

Dr. Kavitha Sooda participated as an Industry-Academia Board member at Vidyavardhaka College of Engineering, Mysuru.



6th April 2024:

The Department of CSE Dr. Selva kumar S along with 8th semester students Omar, Sreenath, Vignesh and Dhanashri presented a paper and won the Best Paper Award in the National conference NPPTBI-24 organized by SVIT in association with IIC held on 27th April 2024.



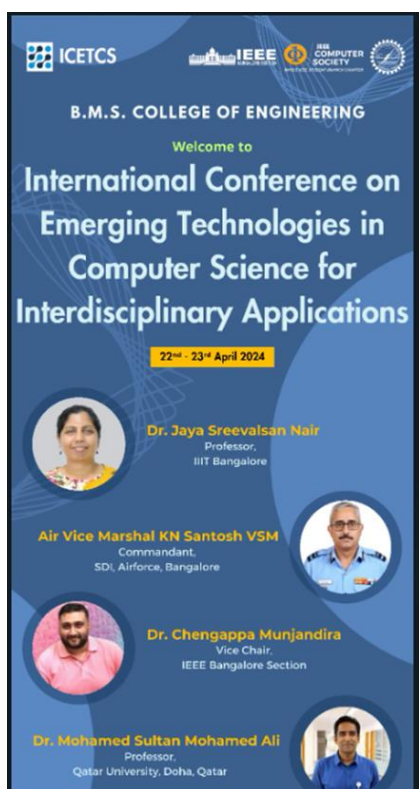
22nd April, 2024: Dr. Umadevi V, Professor, Department of CSE along with Vaishnavi Kamath (1BM21CS235), UG (CSE) student published a paper titled "Assessing classification approaches for categorizing Ayurvedic herbs," in Springer Journal of Multimedia Tools and Applications, pp 1-25, ISSN: 1573-7721, <https://doi.org/10.1007/s11042-024-19061-7> (Scopus, WOS, SJR 2023: Q1).

22nd and 23rd Apr 2024:

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April 2024

Department of CSE in collaboration with Department CSE(ICB) and Department of AI & DS organized a prestigious International conference on Emerging Technologies in Computer Science for Interdisciplinary Applications – ICETCS in the month of April. The conference was held at BMSCE campus for over two days with multiple sessions in progress.



The Inauguration was held on 22nd April 2024, the Guest of Honor was Air Vice Marshal KN Santosh VSM who is serving as a commandant in the Indian Airforce. The chief guest presiding over the inaugurals were Dr Jaya Sreevalsan Nari, Professor at IIIT Bangalore with the Keynote addressal by

Dr Mohamed Sultan Mohamed Ali, Professor Qatar University, Doha, Qatar.



The inaugurals was held in Auditorium 1, Platinum Jubilee Block, BMSCE. Authors from all over India participated in this event in a blended mode. Dr S Muralidhara, Principal BMSCE, Dr Bheemsha , Vice Principal BMSCE, Dr Joythi S Nayak , HoD CSE , Dr Nagarathna N Hod CSE(ICB) and Dr Indrimma M, HoD AI & DS welcomed the chief guests and addressed the gathering.



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webinar on “Sustainable AI: Methods and Applications” delivered by Dr J Senthilnath , Senior Scientist, Institute for Infocomm Research (I2R) at Agency for Science, Technology and Research (A*STAR) Singapore. The Webinar gave the audience a new perspective of various applications and techniques used in the field of AI.



International Conference on Emerging Technologies in Computer Science for Interdisciplinary Applications

22nd - 23rd April 2024

Department of CSE, AI&DS, CSE(ICB)
B.M.S. COLLEGE OF ENGINEERING, BENGALURU

EVENTS

Day 1:

Keynote Speech:

- Microelectromechanical System (MEMS) Devices for Biomedical Applications.

Webinar:

- Sustainable AI: Methods and Applications

Day 2:

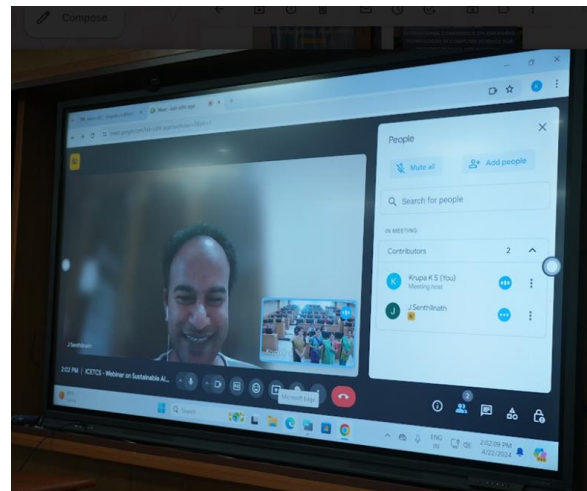
Webinar:

- A Talk on Quality Research Publication
- Talk on Recent Advancements in NLP

TECHNICAL TRACKS

- Artificial Intelligence and Machine Learning
- Multimedia
- Blockchain and Cyber Physical Systems
- System Modeling and Computing
- Natural Language Processing
- Augmented Reality, Virtual Reality and Robotics
- IOT and Communications
- High Performance Computing

More Information
<https://icetcs.bmsce.in/>



The sessions hosted various papers belonging to the tracks of ARVR, NLP, BC, IoT, AI-ML, HPC, SM and MM. There was four sessions held back to back on day one of the conference and the sessions were preceded by Dr.Shambhavi B R, Dr N P Kavya, Dr.Kayarvizhy N, Dr.Naveena C, Dr.G R Prasad, Dr.Maya B.S, Dr. Kavitha Sooda and Dr Shobha G as internal and external session chairs.

The conference had paper submissions totaling to 400 from which around 83 papers were shortlisted and approved for the presentations. The sessions were spread across two days, Day 1 sessions were started in the afternoon which began with the

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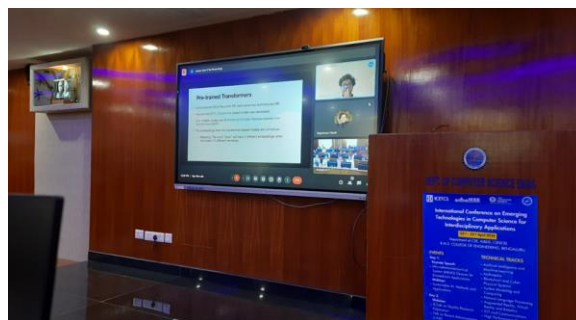


The sessions went on smoothly and the session chairs were impressed by the quality of papers received by the conference. The sessions progressed in online and offline modes. The participants from outside Bangalore were given an option to present their paper in online mode whereas other participants joined the sessions at the venue.



Day 2 saw five sessions that started from morning 9:30 AM. The session chairs included Dr.Umadevi V, Dr. Chaitra M, Dr.Shubha Rao, Dr Roopashree S, Dr.P Jayarekha, Dr. Ashwini N, Dr.Ch.Ram Mohan Reddy , Dr. Hemavathi P , Dr.M Dakshayini and Dr Rajashree S as the sessions chairs.

BMSCE also hosted a PhD Colloquium for its research scholars on the same day and external participants were also invited to attend the same. The colloquium was held on the topics “**Quality Research Publications** “ and “**Recent advancement in NLP** ’, which was delivered by Dr Abhishek Appaji, Head,R&D BMSCE and Dr Ashwin Geet D’sa Senior Researcher in NLP, Rellify respectively.



The two day Mega event was concluded on 23rd Apr 2024, with a validating ceremony and the Chief guest presiding was Dr Chengappa Munjandira, Vice Chair, IEEE, Bangalore Section. Dr Chengappa delivered a small talk on the importance of having an updated industry ready curriculum. Which was very motivational to the students.

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Prameetha Pai along with 8th semester students Ankith S, Bhargav S Patil , Bhargava G Y, Dhanush R presented a paper in the National conference NPPTBI-24 organized by SVIT in association with IIC held on 27th April 2024.

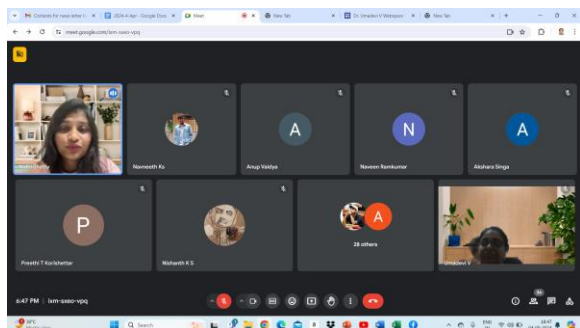


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May 2024

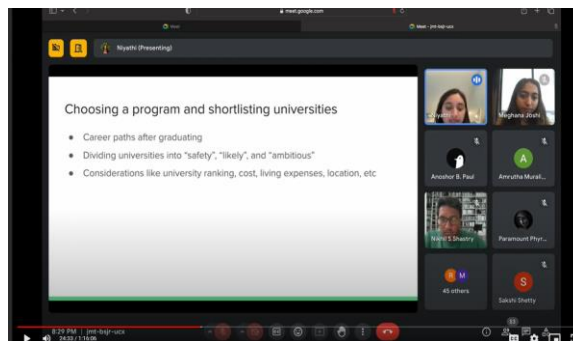
4th May, 2024:

The Department of CSE in association with <CodeIO/> is conducting “CODESPRINT” on every Saturday this complete month. Around 100 UG students participated. Morning students will be solving HackerRank challenges and later alumni interaction sessions. The resource persons were Shrinidhi Shetty, Software engineer III at Google , Tasmiya Fahtima, System software engineer at HP and Kratharth Hedge, Software Engineer at Qualcomm.



5th May, 2024:

The Department of CSE in association with <CodeIO/> conducted a talk on “Getting started with Masters”. Around 40 UG students participated. Meghana Mukund Joshi, Applied Scientist at Microsoft, Niyathi Kumbale, Product specialist at Zenoti and Nikhil Shastry, SWE at Bosch were the resource persons.



6th May, 2024:

Dr. Selva Kumar S, CSE, Dr. Geetishree Mishra, ECE, and Prof. Saritha A N, CSE, BMSCE along with students Pooja Srinivasan, Anusree Manoj K, Manu Saraogi and Jeevan Nataraju, published a paper titled "Image Inpainting for Facial Recognition using Generative Networks" at IEEE International Conference- 2024 - Innovation in Technology (INOCON) held at Sai Vidya Institute of Technology, Bangalore.

7th May, 2024: Dr. Umadevi V, delivered technical talk on the topic "Technical Writing using LaTeX" on 7th May, 2024 organized by Department of CSE, S.J.C. Institute of Technology, Chickballapur.



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May 2024

Prof.Prameetha Pai received NPTEL AICTE Online certification for “Switching circuits and Logic design” 12 weeks course for Jan-May 2024.

10th May, 2024:

Dr. Rajeshwari B S, Namratha M and Dr. Jyothi S Nayak along with students Jayanti R Lahoti, Jathin S N, Vamshi Krishna M and Mallika Prasad published a paper titled “Multi-class waste segregation using computer vision and robotic arm” in PeerJ Computer Science (WoS-Q2 journal).

May 12th ,2024

Prof. Prameetha Pai successfully completed NPTEL AICTE Faculty Development Program for “Switching Circuits and Logic Design ” 12 weeks course for Jan-May 2024.

1st May 2024

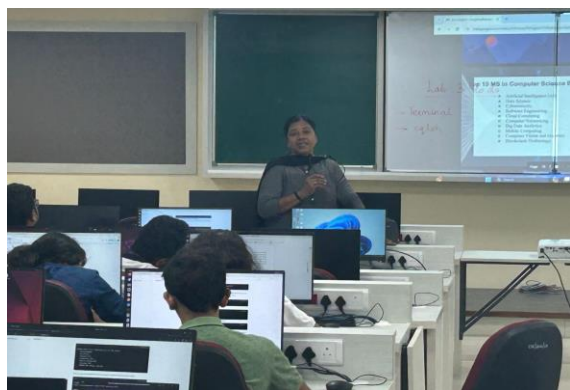
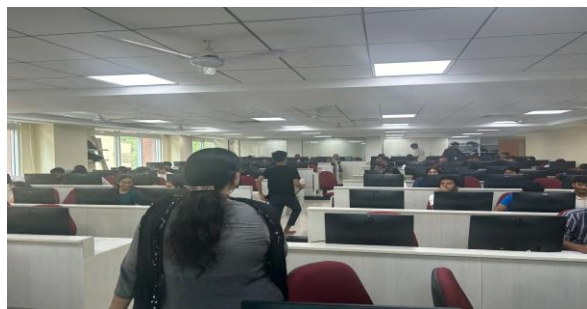
Prof Prameetha Pai along with 8th semester students Shubhan S Bhat, Lavanya G, Shabeena A and Rakshitha G published a paper Smart Plant Disease Management: Integrating Deep Learning and IoT for Rapid Diagnosis and Precision Treatment in Scopus indexed Q4 Journal :International Journal of Intelligent Systems and applications in Engineering

May 15th, 2024

Prof. Sneha S Bagalkot received NPTEL Elite AICTE Online certification for “Data

6th MAY 2024

Higher Education Seminar Talk was given by Texas Review Team to 6th C and 6th D sec students .The Talk was organized by Mr.Vikranth B.M. Faculty coordinator in New Lab CSE Department.



May 9th ,2024

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May 2024

Analytics with Python” 12 weeks course for Jan-April 2024.

May 18th, 2024

Prof. Sneha S Bagalkot successfully completed NPTEL AICTE Faculty Development Program for “Data Analytics with Python” 12 weeks course for Jan-April 2024.

May 18th, 2024

Dr. Seema Patil successfully completed NPTEL AICTE Faculty Development Program for “Block chain and its application” 12 weeks course for Jan-April 2024.

Dr. Seema Patil received NPTEL AICTE Online certification for “Block chain and its application” 12 weeks course for Jan-May 2024.

23 April 2024

Dr. Seema Patil along with 8th semester students Vijaya Verma, Athrava Acharaya Sakshi Shahi and Vishnu Kumar presented paper titled “Group Person Identification and Communication using DeepLearning” in “International Conference on Emerging Technologies in Computer Science, ICETCS-2024 on 22nd and 23rd April 2024.

Apr 30, 2024

Dr. [Seema Patil](#) et al has presented paper titled “Comparative Study and Analysis of Cloud Container Technology” at Proceedings of the 18th INDIACom; INDIACom-2024; IEEE Conference ID: 61295 2024 11th International Conference on “Computing for Sustainable Global Development”, 28th Feb. – 1st Mar., 2024 Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA)

10th May 2024

Dr. Seema Patil along with 8th semester students Manshi Mahato, Umadevi S A, Neha L and Utsav Bose published paper titled “Automatic Academic Analysis: Leveraging IDP for Efficient Data Extraction and Processing ” in Gradiva Review Journal ,ISSN No 0363-8057, Volume 10, Issue 5, pp 224-228

13th May 2024

Dr. Seema Patil along with 8th semester students Manshi Mahato, Umadevi S A, Neha L, Utsav Bose published paper titled “Academic Data Automation: PDF-to-Excel Conversion and Student Performance Analysis ” in Heritage Research Journal ,ISSN No 0474-9030, Volume 72, Issue 5, pp21-24.

29th April 2024

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May 2024

Dr. [Seema Patil](#) and team has received Certificate of Excellence in Samsung PRISM Program for Worklet titled “ Low Light Image Enhancement Using Gamma Curve Adjustment-23VIS09BMS” for April 2023 to Oct2023.

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June 2024

6th June, 2024:

The Department of CSE organized a session on Smart Contracts -Blockchain Use Cases by Mr. Sandeep Sreenath, Senior Engineering Manager, Polygon Research Labs. The event was conducted for 6th semester UG students and was organized by Namratha M, Assistant Professor, Department of CSE.



6th June 2024 and 7th June 2024:

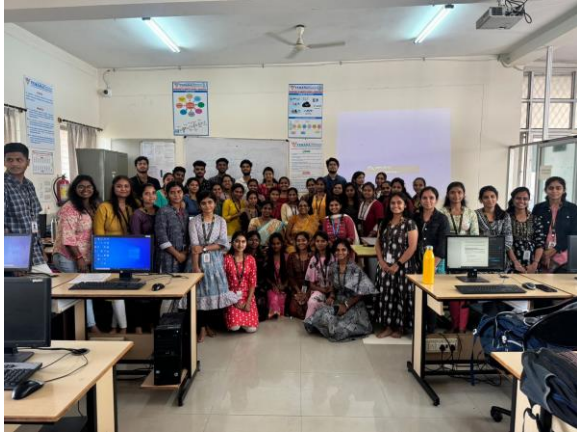
The Department of CSE in association with <CodeIO/> conducted Mini Project evaluation by Industry Experts. The evaluators were Utsav Seksaria, Engineering Manager at Nutanix, Aryan Rai, Senior Member at Nutanix, Sarthak Goyal, Security Architect II at Akamai Technology, Samrakshini R S., Cloud Data Engineer at Apple, Tasmiya Fathima, System Software Engineer at HPE, Harsh Shankar Rao, Software Engineer at Akamai Technology and KArthik S, Software Engineer at Caterpillar. The event was conducted for 6th semester UG students and was organized by Namratha M, Assistant Professor, Department of CSE.

June 7th, 2024: Faculty members Dr. Umadevi V and Dr. Panimozhi K, Department of CSE were the resources for a two day workshop on “Documentation using Latex with Hands-on Session” organized by Vemana IEEE Student branch and Vemana Institute of Technology, Bangalore on June

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June 2024

7th and 8th, 2024.



June 7th 2024 Friday Higher Education Seminar was organized by Dept of CSE delivered by Manya Associates for 4th B section. The event was coordinated by Mr. Vikranth B.M. Asst Professor CSE dept



14th June, 2024:

The Department of CSE in association with <CodeIO/> conducted an NLP workshop for UG students. The resource person was Dr. Chaitra N, Associate Professor, Department of CSE, PESU. Around 56 students participated in the workshop.



19th June, 2024:

The Department of CSE in association with <CodeIO/> conducted “Go” workshop for UG students. The resource person was Ms. Pooja Srinivisan, Software Engineer (L2) at Twilio. Around 29 students participated in the workshop.

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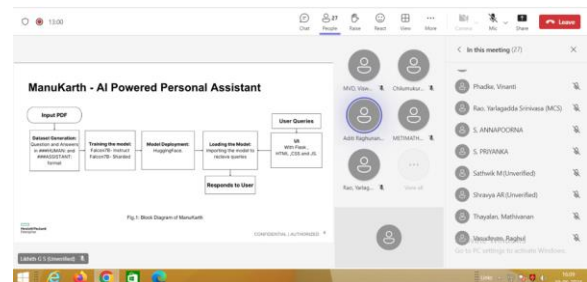
June 2024



June 20th 2024 Thursday ,Higher Education and Competitive Exam Seminar Like GRE,CAT,GMAT was delivered by Kumar from Times Group in association with BMS academy for 4th c Section in New Lab.The event was coordinated by Mr.Vikranth B.M.Asst Professor CSE dept



Jun 19, 2024: The HPE CTY project titled “ManuKarth - an AI Powered Personal Assistant” was successfully completed and presented to the HPE team. The students Aditi R, Chinmay N, Deeksha J , Likhith G S, Sathwik M were guided and mentored by Mr ShivaPrasad Ashok Metimath from HPE. The faculty mentors from the department were Dr Umadevi. V and Shravya AR.



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June 2024

Dr. Asha GR, Sandhya A Kulkarni along with 8th semester students Aravind Siddharth R, Aneesh Punichithaya, Aniksha Surendar and Akash V published paper titled “Rate Limiter for Low Latency and DDOS Resilience” in Strad Research, Journal, ISSN No 0039-2049, Volume 11, Issue 6, pp 16-24.

21st June, 2024:

PROTOCOL, The CSE Departmental Club, in collaboration with IEEE Pels conducted an inspiring Ideathon on the topic “Innovative ways to use sensors in Agriculture” for UG students. The resource person was Mr. Shravan Murthy Physical Product development specialist at MSME. 14 students participated in the event.



8th June 2024:

Protocol, the CSE Departmental Club, conducted a three-day hands-on workshop on Flutter, on 8th, 17th, 21st of June 2024. The resource person was Vidhaan Appaji an Alumni of CSE, BMSCE. Around 80 students participated in the workshop.



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July 2024

13th June, 2024:

The Department of CSE (ICB) in association with Algorand conducted a faculty Development Program on “Next- Gen Educators: Mastering Blockchain with Algorand” in the lab for faculties.

5th July, 2024:

The Department of CSE in association with <CodeIO/> conducted a workshop on “Git and version control” for UG students in the BSN lab. Around 48 UG students from various departments participated in this workshop. The resource person was Kratharth Hegde, Software Engineer at Qualcomm.



10th July, 2024:

Dr. Rajeshwari B S, Namratha M and Dr. Jyothi S Nayak along with UG students Jayanti R Lahoti, Jathin S N, Vamshi Krishna M and Mallika Prasad published a paper titled “Multi-class waste segregation using computer vision and robotic arm” in PeerJ Computer Science(WoS-Q2 journal), DOI 10.7717/peerj-cs.1957.

10th July, 2024:

The Department of CSE in association with <CodeIO/> conducted AI Verse workshop followed by Codeathon on 10th, 11th and 12th July 2024 in the BSN Lab. Around 30 UG students participated in the Codeathon.



17th & 18th July 2024:

Dr. Kavitha Sooda, Professor, Department of CSE, attended GAME-ARTS Symposium, organized by IISc, Bengaluru. The talks included the application of game theory into varied domain. Invitees from foreign university, delegates from industry participated.

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July 2024



27th July, 2024: Dr. Umadevi V, Professor, Department of CSE was invited as a resource person to give a technical talk on the topic “K-Nearest Neighbours (KNN) and Neural Networks (including Deep Learning)” on 27-07-2024 at PSG Institute of Technology and Applied Research, Coimbatore as part of Faculty Development Program (FDP) on the theme “Mathematical Approach to Artificial Intelligence and Machine Learning”.



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Aug 2024

August 1st, 2024:

Namratha M, Assistant Professor, Department of Computer Science & Engineering published a paper titled “Updated delegated proof of stake and Nash equilibrium: A mining pool game model for blockchain network” in Concurrency and Computation: Practice and Experience. (WoS-Q2 journal) <https://doi.org/10.1002/cpe.8224>

August 1st, 2024:

Dr. Rajeshwari B S & Namratha M, Assistant Professor, Department of Computer Science & Engineering published a paper titled “Active Learning and Self-Study Approach for Cloud Computing”, Degres Journal, ISSN NO:0376-8163, 2024. (WoS indexed)

August 4th , 2024:

Prof. Swathi Sridharan presented a paper titled “ Exploring connected dominated sets for Efficient Document search in Peer-to-peer networks “ in the second IEEE International conference on Advances in Information Technology-ICAIT-24 held at Adichunchanagiri Institute of Technology from 24th to 27th July 2024.

August 10th, 2024:

Namratha M, Assistant Professor, Department of Computer Science & Engineering published a paper titled “Bitcoin Pooled Mining Reward Functions:

Revisited” in Journal of Engineering and Technology Management. (WoS and Scopus)

August, 14th, 2024:

Dr. Umdevi V, Professor, Department of CSE along undergraduate students— Spoorthi J (1BM21CS218), Stuti Uniyal (1BM21CS220), Surya Bhat (1BM21CS225), and Yashaswini G A (1BM21CS253) - visited Shastri School For Deaf And Dumb Children, Mahalakshmi Layout, Bangalore to do initial phase of discussion for final year project work on Kannada Sign Language Recognition.



Aug 23rd, 2024:

Prof. Rekha G S with Dr. J Sharana Basavaraja, Dean Training and Placement attended Infosys Summit 2024 event at Infosys Limited, Electronic City, Bangalore



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Aug 2024

August 23rd,2024:

Dr. Jyothi S Nayak, Professor and Head, Department of CSE along with UG students Amarnath Kotturu, M Udayraj, Pranav Kaushik N G and Om Bhandankar presented a paper titled “Virtual Posture Assistant-Body posture assistant using machine learning” in the 2nd IEEE International Conference on Networking, Embedded and Wireless Systems (ICNEWS) 2024 on Aug 23, 2024 and won third prize in the conference.



August 23rd, 2024:

Dr. Jyothi S Nayak, Professor and Head, Department of CSE along with UG students Shraddha Khanapur, Chirag B Bharadwaj and Raghav Bhardwaj presented a paper titled “An Approach for XAI Visualizations

for Explainability of Alzheimer’s Detection” in the 2nd IEEE International Conference on Networking, Embedded and Wireless Systems (ICNEWS) 2024 on August 23rd.

August 28th and 29th 2024:

A two day workshop was organized for II semester PG students on Augmented and Virtual Reality. The Sessions were delivered by the resource person Mr. Shashank Lokesh, CPO, Seminarroom Education Pvt. Ltd, Bengaluru. The students gained understanding of augmented and virtual reality technology including its core principles, tools and current trends. Hands-on experience was provided to develop practical skills by creating simple AR/VR applications.



August 31st, 2024:

Dr. Rajeshwari B S, Dr. Jyothi S Nayak, Namratha M, Department of CSE published Book chapter titled “Impact on Fake News in Social Media and Current Technology in Detection of Fake News in Social Media” in the book titled Text and Social Media Analytics for Fake News and Hate Speech

Computer Science and Engineering- News Letter

Aug 2024

Detection, CRC Press, Taylor & Francis
Group. (Scopus)

Computer Science and Engineering- News Letter

September 2024

5th September, 2024:

The Department of CSE Organized an expert talk on “Graduate Attributes 4.0 & Proposed changes” for the faculties B.M.S.College of Engineering in the Auditorium-1. Around faculties from various departments participated in this Talk. The resource person was Dr. R V Ranganath, Former Professor, Department of Civil Engineering, B.M.S.College of Engineering.



Dr. Selva kumar S Associate Professor, Department of Computer Science and Engineering was invited as expert talk on “Effective Implementation of OBE” organized by the IQAC and Department of CSE (AI&ML), NCET.

IQAC
The Department of CSE(AI&ML)
in Association with IQAC

Organises a Three days Workshop on
**Effective Implementation
of OBE**

Resource Person
Day :1

Dr. N J Rao

Dr. SelvaKumar S

Coordinator :
Dr. Rashmi N Karchi, Professor.

Convener :
Dr. Lohith J J, Professor & Head.

18th
September 2024

9:30 AM
to 4:00 PM

Seminar Hall
Admin Block

10th September 2024

Prof.Rajeshwari Madli and Prof.Prameetha Pai Assistant Professor, Department of Computer Science & Engineering published a paper titled “An Improved EEG Signal Feature Selection Paradigm for Migraine Detection” in Journal of internet services and information security(Scopus-Q2 journal) DOI :10.58346/JISIS.2024.I3.008

18th September 2024:

Computer Science and Engineering- News Letter

September 2024

23rd September 2024

The Department of CSE organized, First year Induction programme from 23.09.2024 to 01.10.2024 to the 2024 admitted students. Eminent Speakers from various Industries like Lenovo and Akamai were invited to speak about the Current Technology in the industry and New age Learning. Speakers from NGO's like Disha Bharat, Youth for Seva and Brahmakumaris enlightened students about Humanity and leading a balanced life. The detailed program schedule is as mentioned.

23.09.2024 - Introduction of the Department by Dr. Jyothi S. Nayak, HOD, Dept of CSE., followed by Introduction to the 1st year scheme and syllabus and Proctor system by Dr. Latha N.R. and Dr. Pallavi G.B.

24.09.2024 - A talk on Cybersecurity and Gen AI by Mr. Sivakumar, Head of services support and AI security researcher, Lenovo Global Technology

25.09.2024 - Placement details by Dr. Nandhini Vineet and Prof. Syed Akram followed by Introduction to the Department clubs Protocol and Code I/O by Dr. G.R. Asha and Prof. Namratha M., Prof. Syed Akram and Dr. [Selva Kumar S](#)

26.09.2024 - Talk by Abyudhaya, an NGO about Importance of giving back to the Society and opportunities

27.09.2024 -Talk on "Developing a balancing mind- Avoiding Ego as well as Depression" by B.K. Chaya, Brahmakumari followed by Session on Virtual Labs by Dr. [Selva Kumar S](#)

30.09.2024 - Talk by Youth for Seva , an NGO motivating youths and students towards performing social activities followed by Talk on - My nation, My pride by Disha Bharath, an NGO that inspired and guided our students to serve the nation in various forms.

01.10.2024 - Talk on Entrepreneurship by our alumini Mr. Sarthak, Akamai Technologies, followed by an event Talent Search by the College Cultural Team, that gave a platform to the 1st year students to showcase their talent



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October 2024

3rd October, 2024:

The Department of Computer Science & Engineering in association with <CodeIO/> conducted a workshop on “Resume Building” for UG students in the CSE Seminar Hall. The event was designed to provide participants with practical insights, tools, and techniques for developing effective resumes that showcase their skills and experience. The resource person for the workshop was Mr. Sarthak Goyal, Security Architect II at Akamai Technologies.

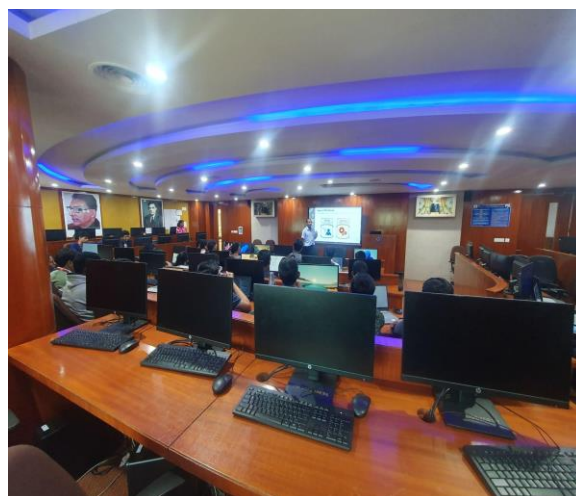


18th October, 2024:

The Department of Computer Science & Engineering in association with <CodeIO/> conducted a 2-day workshop on “Robotic Process Automation” for UG students on 18th and 19th October 2024. The resource person for the workshop was Dr. Selva Kumar, Associate Professor, Department of CSE, BMSCE.



The Department of CSE organized a Seminar on Oct 4th 2024 on Higher Education Opportunities abroad for the class of 5th sem C and D section. The Seminar was conducted by GradStar Global Education.



Computer Science and Engineering- News Letter

October 2024

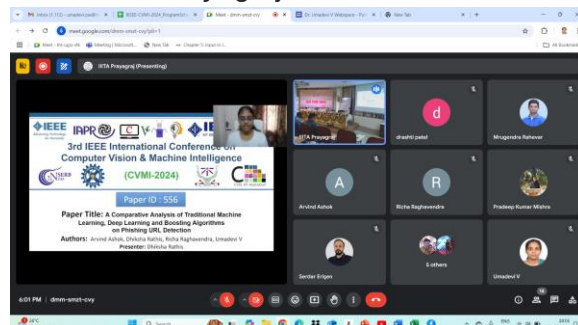
19th October, 2024:

The Department of Computer Science & Engineering in association with IEEE Computer Society, Bangalore Chapter organized a 24-hour National Level Hackathon ML MATRIX- Building the Vision, One Matrix at a Time on account of Machine Learning Week. The event was held from 19th October, 2024 to 20th October, 2024 at B.M.S College of Engineering. The event attracted participants from various disciplines, working in teams to tackle real-world machine learning problems. Teams showcased innovative solutions using advanced ML techniques. The event successfully fostered innovation and hands-on learning, providing a dynamic platform for students to enhance their skills in machine learning.



19th Oct, 2024: The 7th Semester UG CS students, Arvind Ashok, Dhiksha Rathis and Richa Raghavendra under the guidance of Dr. Umadevi V, Professor, Department of CSE, presented a research paper titled, "A Comparative Analysis of Traditional Machine Learning, Deep Learning and Boosting Algorithms on Phishing URL Detection" at 3rd IEEE International Conference on Computer Vision & Machine Intelligence, on

19th October, 2024 organized by IIIT Allahabad, Prayagraj, India.



4th October, 2024

Prof. Sandhya A Kulkarni successfully completed NPTEL AICTE Faculty Development Program on "Research Methodology" 8 weeks course for Jul-Sep 2024.

3rd October, 2024

The Department of Computer Science & Engineering, in association with the Protocol Club, organized a 4- week long workshop (from 3rd to 28th October, 2024) titled "LeapCode - A Coding Workshop on LeetCode" for UG students. Held in CSE UG Lab 1, this workshop was designed to enhance participants' problem-solving abilities and equip them with practical skills for coding challenges and placement preparation.

The resource person was Prof. Shravya A R, faculty member of the CSE Department, the workshop covered essential topics including Arrays, Time Complexity, Binary Search, Strings, Recursion, Stacks, Queues, Linked Lists, and Trees. With concept-based sessions and group discussions, LeapCode offered a structured and supportive environment for students at all skill levels.

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November 2024

2nd Nov, 2024:

Saritha A N and Dr. Asha G R, along with UG students, published a paper in Gradiva Review Journal (Scopus Q4) on the topic titled “*Literature Review on Object Detection and Tracking for Autonomous Vehicles*”.

7th Nov, 2024:

Dr. Jyothi S Nayak along with PG student Sreevatsa D S has presented a paper titled “*Machine Learning based Classification and Recognition of Melakarta Ragas using Melakarta Chakra Analysis*” in the 8th IEEE International Conference on Computational Systems & Information Technology for Sustainable Solutions (CSITSS), held from 7th to 9th November, 2024, organised by RVCE, Bangalore.

8th Nov, 2024



The Department of CSE organized a counselling talk on Higher Education in association with IDP, an International Education Specialist for the 5th semester students. The talk was intended to motivate

students to take up higher education at prestigious Institutions.

11th Nov, 2024:

Saritha A N along with UG students published a paper in Gradiva Review Journal (Scopus Q4) on the topic titled “*A Comprehensive Survey on Pose Estimation Algorithms utilizing Augmented Reality*”.

14th Nov, 2024:

The Department of CSE, BMSCE, organized an invited talk on “Academic programs at the Department of Computer Science & Automation, IISc.” A total of 59 students attended the talk.



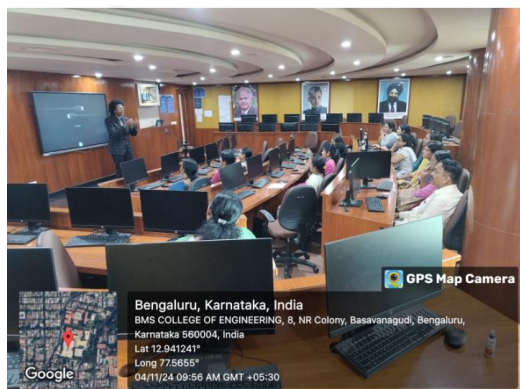
4th to 8th Nov, 2024:

The Department of CSE in association with BMSCE IEEE computer society conducted a 5 days Faculty development program on “*Immersive Realities : Understanding AR/VR*”. The Sessions were delivered by the resource person Mr. Shashank Lokesh, CPO,

Computer Science and Engineering- News Letter

November 2024

Seminar Room Education Pvt. Ltd, Bengaluru and Mayur B Patil, Principal and CTO Pybots LLC. Faculty gained understanding of augmented and virtual reality technology including its core principles, tools and current trends. Hands-on experience was provided to develop practical skills by creating simple AR/VR applications.



19th Nov, 2024:

The Department of CSE organized an industrial visit for 5th semester students to Honeywell Technology Solutions Pvt. Ltd, Sarjapur, Bangalore .

Smt. Sheetal V A and Sri Vikranth B M, Assistant Professors in the department coordinated the industrial visit.



26th & 27th Nov, 2024:

Dr. Kavitha Sooda, was one of the jury member at the National Council of Science Museums (NCSM), under the Ministry of Culture, Government of India, which successfully hosted the National Science Seminar (NSS) 2024 on November 26, 2024 at the Nehru Science Centre, Mumbai. This annual flagship event brought together 32 outstanding students from across India, representing various States and Union Territories, to delve into the thought-provoking theme, “*Artificial Intelligence: Potentials & Concerns.*”



Computer Science and Engineering- News Letter

December 2024

December 20, 2024:

All the projects part of the HPE CTY were successfully completed. Mr Arun Kumar R from HPE visited the Department of CSE to convey regards and appreciated the students' and the mentors' efforts.



December 20, 2024:

The Department of CSE in association with <CodeIO/> hosted an insightful workshop on LLMs and Agentic Architectures on December 20, 2024 for UG students. The event delved deep into the fundamentals of Large Language Models and Agentic Architectures, exploring their real-world applications and immense potential in shaping the future of AI technology. The resource person for the workshop was Eleanor Prashamshini, AI Engineer at Next15 Labs.



December 30, 2024:

The Department of CSE in association with <CodeIO/> conducted Mini Project evaluation by Industry Experts on 30th and 31st December 2024 for 5th semester UG students. The review provided practical exposure to students to various applications and how a project is to be executed.

