

Computer Science and Engineering- News Letter

January 2025

2nd Jan 2025:

The **Department of CSE**, in collaboration with the **Department of ISE and AIML**, conducted an **Upskill Series** focused on essential career skills, covering both **technical and interpersonal competencies** crucial for workplace success. Led by **Mr. Renu Jagadish**, a seasoned professional with **22 years of experience** in **enterprise-level data transformation**, currently working at **IBM, Sydney**. The session covered **self-analysis through SWOT**, helping individuals assess their strengths and areas for growth. It also emphasized **social skills** like communication and empathy for effective collaboration and highlighted the importance of **networking** in career advancement. A total of **39 participants** benefited from this insightful session.



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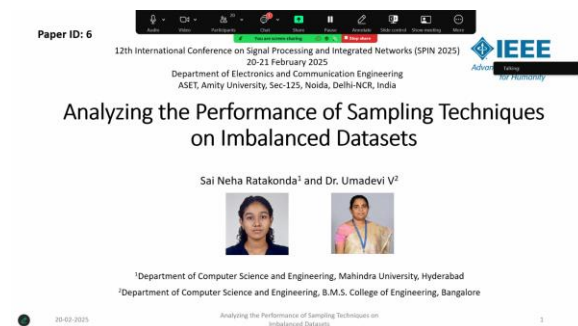
February 2025

19th Feb, 2025:

Asha G R , Selva kumar S , Saritha A N & Syed Akram published a International journal paper titled "Analysis of Machine Learning Security Blockchain Based IoT Enabled Web Platform Applications" at Journal of Information Systems Engineering and Management, ISSN: 2468-4376 on February 19th 2025 (Scopus Q4).

20th Feb, 2025:

Dr. Umadevi V, Professor, Department of CSE, presented a paper titled "Analyzing the Performance of Sampling Techniques on Imbalanced Datasets" along with Sai Neha Ratakonda, Mahindra University at 12th IEEE International Conference on Signal Processing and Integrated Networks (SPIN 2025) on February 20th 2025, Organized by Department of Electronics and Communication Engineering ASET, Amity University, Noida, Delhi-NCR, India.



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March 2025

3rd March, 2025:

Dr. Umadevi V, Professor, Department of CSE was invited as resource person for the workshop on "GenerativeAI" to 3rd year Undergraduate students at Department of AI & ML, Bangalore Institute of Technology (BIT), Bangalore, 3rd March, 2025



13th March, 2025:

The Department of CSE in association with <CodeIO/> conducted a workshop on "Software Engineering in Action" for UG 4th semester students. The resource person for the workshop was Mr. Satyanarayana Panduranga, Principal Scientist, Adobe Systems.



20th March, 2025:

The Department of CSE in association with <CodeIO/> conducted a workshop on "Accelchain: An Introduction to Decentralised Application Generator Platform" for UG 6th semester students. The resource person for the workshop was Srinivas Aprameya H S, Developer Relations, Accelchain.



22nd March, 2025:

Saritha A N, Assistant Professor, Department of CSE, BMSCE along UG students presented a paper titled "Deep Learning based Alzheimer's Detection - A Novel Approach" at International Conference on Computing for Sustainability and Intelligent Future (Comp-SIF 2025) at BMSIT, Bangalore and secured a Best Paper award for the same.

22nd March, 2025:

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March 2025

Dr.K.Panimozhi, Associate Professor, Department of CSE, BMSCE along UG students presented a paper titled “AI GUARDED CODE EDITOR: Verifying Authentic Human Input” at International Conference on Computing for Sustainability and Intelligent Future (Comp-SIF 2025) at BMSIT, Bangalore.



30th March 2025 :

Dr..K.Panimozhi, Associate Professor, Department of CSE, BMSCE received the Women Achiever Award (Achievement of Education) by Vedan Medai, Chennai on March 30th 2025 as a part of Women's day celebration.

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April 2025

2nd April, 2025:

Namratha M, Assistant Professor, Department of CSE along with UG students Jyothika C N, Vibha Hugar, Vrishank J Vasist and Yashasvini M R presented the paper titled “Generative AI in Fashion: A Survey and CGAN Framework for Saree Blouse Design” at the INDIACOM-2025; Computing for Sustainable Global Development, technically sponsored by IEEE Delhi Section, held during 2nd to 4th April 2025 at Bharati Vidyapeeth, New Delhi (INDIA)



3rd April, 2025:

A Value-Added Course on “Cyber Security” was conducted in the Dept of CSE. A total of 33 Students registered and participated in this course. This course was conducted for a duration of 30 Hrs over 3 days a week. Dr.Shashikala, Associate Professor, Dept of CSE, BMSCE and Mr. Sarthak Goyal, Security Architect-II Lead from Akamai were the Resource persons.

3rd April, 2025:

The Department of CSE in association with <CodeIO/> conducted an event “Unlock the Leet” to introduce students to the core principles of Data Structures and Algorithms (DSA) and Competitive Programming (CP) in Auditorium-2, PJ Block.



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April 2025

3rd April 2025

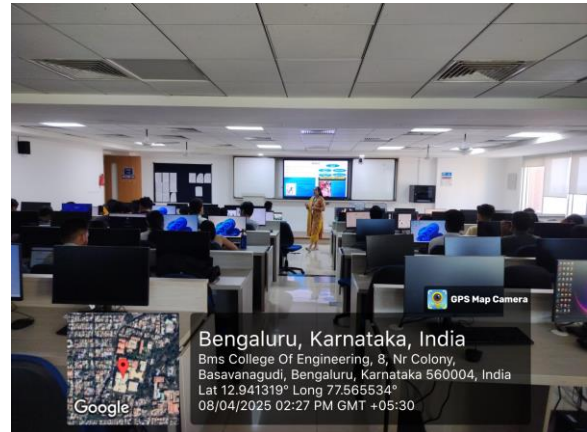
Protocol Week '25: Protocol, the CSE department club, organized Protocol Week from 3rd April to 9th April 2025, featuring a series of exciting events that combined fun, learning, and community engagement. The week kicked off with two collaborative events on 4th April in association with Business Insights and Pentagram, setting the tone for a dynamic lineup. This was followed by a range of in-house events including the “Call of Duty: Mobile Tournament” on 7th April, the high-energy “CodeBlitz – A Coding Relay Challenge” on 8th April, and “InSync 2025”, the official fresher induction into the club, on 9th April. Students across all years participated actively, making Protocol Week a vibrant celebration of innovation, teamwork, and the spirit of the Computer Science community.



8th April, 2025:

Namratha M, Assistant Professor, Department of CSE was invited for a Guest

Lecture on “Indian Patent Filing and Grant Process” for 6th-semester UG students for the Department of CSE(ICB) BMS College of Engineering.



8th April 2025

An MoU between dept of CSE and The IT Service Management Forum (itSMF) was established on 8/4/2025. itSMF is an independent, international, not-for-profit organization of IT service management (ITSM) professionals worldwide. The itSMF India, has reached B.M.S.C.E to collaborate and introduce IT service management awareness among IT students. A series of discussions has led to an MoU between the two on 8/4/2025.

This MoU establishes a collaborative relationship between B.M.S.C.E and itSMF India to introduce IT Service Management (ITSM) concepts to students, bridge the gap between academia and professional practice and enhance faculty competencies through a Train-the-Trainer (TTT) program.

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9th April, 2025:

A seminar on “Cyber Forensics” was conducted as a part of an extension lecture series in the department of CSE. Around 112 UG students attended the same. The speaker was Mr. Samarth Bhat, Technical Director from Reverse Engineering Infosec, Bengaluru.



16th April, 2025:

A seminar on “Higher Education and Career Opportunities Abroad” was conducted as a part of an extension lecture series in the department of CSE. Around 50 UG students attended the same. The speaker was Mr. Arvind B T, MS & MBA Applications

Mentor from Manya-The Princeton Review, Bengaluru.

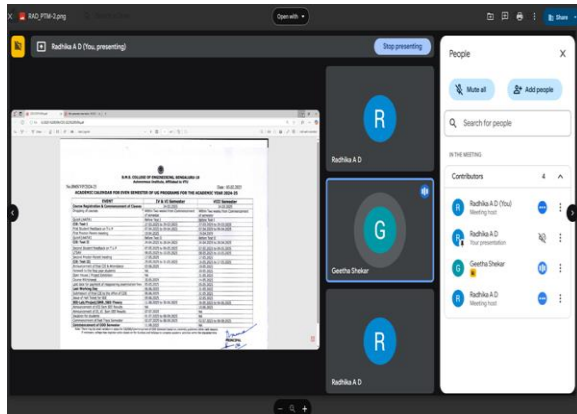


19th April 2025

A Proctor-Parent meeting was conducted with 4th, 6th and 8th semester proctor’s parents in the Department of Computer Science and Engineering branch on 19th April 2025 (Saturday) between 10:00 AM and 4:00 PM. The meeting was conducted in both offline and online mode in the respective proctor’s staff room. Around 72 parents participated in the meeting from all the semesters. The major points of discussion were academic performance, placement preparation, internship opportunities and AICTE activity points. All the proctors have looked for necessary information in the campus portal, discussed with subject teachers and collected information from the department placement coordinators wherever required and they have successfully addressed the queries.

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24th-25th April, 2025:

Dr Selvakumar S was invited as a resource person as part of consultancy work on the topic "DevOps" at Nagarjuna College of Engineering and Technology on 24th and 25th April 2025.



26th April, 2025:

The Department of Computer Science and Engineering, in collaboration with the Computer Society of India and Capable Technologies, organized a Faculty Development Program (FDP) titled “GEN AI – To Educate the Educator.” The event aimed to enhance the understanding and application of generative AI among educators. Faculty members from various colleges across

Bangalore actively participated in the session. The FDP provided insights into emerging AI tools and technologies, encouraging academic professionals to integrate these advancements into their teaching methodologies. The program successfully fostered knowledge sharing and capacity building among educators in the field of artificial intelligence.



29th April, 2025:

A seminar on “Introduction to LinkedIn and Networking” was conducted as a part of an

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extension lecture series in the department of CSE in collaboration with Protocol club. Around 81 UG students from 4th 'G' section and 6th 'F' section attended the same. The speaker was Mr. Kavya Bothra Jain, CEO from BindCat Pvt Ltd, Koramangala, Bangalore.



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MAY 2025

5th May 2025:

A seminar on **“Higher Education and Career Opportunities Abroad”** was conducted in the department of CSE. Around 47 students from 4th semester and 46 students from 6th semester attended the same. The talk was delivered by Mr. Subhankar Dhar from Manya - The Princeton Review, Bengaluru.



focuses on developing an AI agent app for research purposes through joint research projects, providing internship opportunities for BMSCE students at AD Vivum, and co-developing prototypes and products. Dr. Selva Kumar S will serve as the Single Point of Contact (SPOC) for this collaboration.



7th May 2025:

The department of Computer Science and Engineering is proud to announce the signing of a Memorandum of Understanding (MoU) with AD Vivum Education and Research Private Limited to collaborate on a range of initiatives in the field of Artificial Intelligence. This strategic partnership

8th May 2025:

The Departments of Computer Science and Engineering (CSE), Information Science and Engineering (ISE), and Computer Science and Design (CSDS) at BMS College of Engineering jointly organized the inaugural session of **#NammaMAKES – Build with AI: Intro to Gemini 2.0 Flash**. This hybrid event aimed to equip students and faculty with cutting-edge skills in Generative AI, with a focus on Google’s Gemini 2.0 platform.

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The inaugural session, held from 10:00 AM to 11:00 AM, was graced by the presence of several eminent guests. Dr. K. G. Jagadeesha, I.A.S., Principal Secretary, Higher Education Department, Government of Karnataka, served as the Chief Guest. Prof. K. K. Aggarwal, President of South Asian University, was the Guest of Honor, while Mr. Amitabh Satyam, Advisor at MindMatrix, attended as a Special Guest. The session also saw the presence of Dr. S. Mohan Kumar, Former Vice Chancellor of SJMU Chitradurga, as Academic Mentor. The program began with a welcome address by Dr. Bheemsha Arya, Principal of BMSCE, and concluded with a vote of thanks by Dr. L. Ravikumar, Professor and Vice Principal, BMSCE. Sri. Aviram Sharma, Trustee of B.M.S. Education Trust, also attended the event, showing strong institutional support. The session saw enthusiastic participation from across Karnataka, with 39 autonomous engineering colleges joining online. The day featured two focused workshop sessions conducted by Mr. Tirumal

Mutalikdesai and coordinated by Ms. Pragati Pote from MindMatrix:

- Session 1 (11:30 AM – 1:30 PM):
For Computer Science cluster students and faculty
- Session 2 (2:30 PM – 4:30 PM): For
MCA and non-CSE faculty and students

Participants received \$5 Google Cloud credits and gained hands-on exposure to AI tools and industry applications, aligning with the goal of building future-ready professionals.



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June 2025

5th June, 2025:

Namratha M, Assistant Professor, Department of Computer Science & Engineering published a paper titled “Hybrid Quantum Teaching With Adaptive Group Termite Alate Optimization Based Optimal Mixed Block Withholding Attacks”, Transactions on Emerging Telecommunications Technologies, Wiley. (Web of Science Indexed-Q3)

9th June, 2025:

Dr. Seema Patil, Namratha M, Swathi Sridharan, Assistant Professors, Department of Computer Science & Engineering successfully completed the one month course on “Quantum Computing” organized by CDAC, Hyderabad & IIT, Roorkee with the support of the Ministry of Electronics and Information Technology, Government of India.



12th June, 2025:

Dr Shoba T, Dr. Seema Patil, Associate Professor, Namratha M, Swathi Sridharan, Shravya AR, Prameeta Pai, Assistant Professors, Department of Computer Science & Engineering successfully completed the 2 weeks Industrial training on Industrial Internet of Things offered by Government Tool Room and Training Center from 12th to 27th June 2025.

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June 2025



13th June, 2025:

Namratha M and Dr. Rajeshwari B S, Department of Computer Science & Engineering got their Indian Patent titled “SYSTEM AND METHOD TO OPTIMIZE PROCESSING POWER AND PROCESSING TIME DURING ENCRYPTION” with patent number 567407 granted in the name of B.M.S. College of Engineering.



16th June 2025:

Inauguration of Train the Trainer Program with itSMF India

The Department of CSE, BMSCE, in collaboration with itSMF India Chapter, inaugurated the Train the Trainer Program on 16th June 2025 to introduce IT Service Management (ITSM) concepts to faculty members. The event was inaugurated by Dr. Bheemsha Arya, Principal, BMSCE, and featured addresses by Prof. D. Das, Chairman, itSMF India Chapter, and Vice Principals Dr. Ravikumar L and Dr. Sheshachalam. The program was coordinated by Dr. Pallavi G B, under the guidance of Dr. Kavitha Sooda, Professor and Head, Department of CSE.

Industry experts from HPE, Cognizant, Accenture and other leading organizations spoke on the relevance of ITSM and the need for academic-corporate collaboration.



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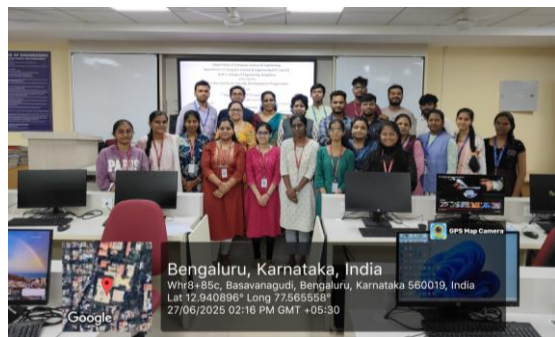
25th June, 2025:

Namratha M, Assistant Professor, Department of Computer Science & Engineering successfully completed 8 modules of the National Initiative for Technical Teachers Training sponsored by AICTE.



24th July, 2025:

Department of CSE and Department of CSE-IoT jointly organised a one-week Faculty Development Program in Augmented and Virtual Reality from 24th to 28th of June 2025.



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July 2025

4th July 2025:

Dr.Sarala D V, Assistant Professor, Department of Computer Science & Engineering has been awarded a Ph.D degree. for her research work titled "**Efficient Algorithmic Models for Adversarial Attacks and Defenses in Deep Learning**," under the guidance of Dr. Thippeswamy, Professor and Head, Department of CSE, BMSIT.

She was conferred the Ph.D. degree by the Vice Chancellor of Visvesvaraya Technological University (VTU), Belagavi, during the 25th Convocation Ceremony at V.T.U center Belagavi dated on 4/07/2025.



4th July 2025:

Dr. Chaitra Ravi, Assistant Professor in the Department of Computer Science and Engineering, PhD for her research work titled "**Design and Implementation of Anomaly Detection and Optimization in Images using Hybrid Bi-Directional GANs**," under the guidance of Dr. Siddesh G. M., Professor and Head of the Department

of CSE (AI & ML) and the Department of CSE (Cybersecurity), MSRIT, Bengaluru.

The Ph.D. degree was formally conferred during the 25th Annual Convocation Ceremony of VTU, held on July 4, 2025, at the university headquarters in Belagavi.



16th June, 2025

Inauguration of Train the Trainer Program with itSMF India

The Department of CSE, BMSCE, in collaboration with itSMF India Chapter, inaugurated the Train the Trainer Program on 16th June 2025 to introduce IT Service Management (ITSM) concepts to faculty members.

The event was inaugurated by Dr.Bheemsha Arya, Principal, BMSCE, and featured addresses by Prof. D. Das, Chairman, Mr. Sunil Mehta, itSMF India Chapter, and Vice Principals Dr. Ravikumar L and Dr. Sheshachalam. The program was coordinated by Dr. Pallavi G B, under the guidance of Dr.

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Kavitha Sooda, Professor and Head, Department of CSE.

Industry experts from HPE, Cognizant, Accenture and other leading organizations spoke on the relevance of ITSM and the need for academic-corporate collaboration



26th July, 2025:

Dr. Namratha M, Assistant Professor, Department of Computer Science & Engineering has been awarded Ph.D. for her research work titled "**Game Model for Blockchain Mining Pools under Optimal Mixed Block Withholding Attacks**" at NIT Tiruchirappalli. She was conferred the Ph.D.

degree by the Director, NIT Tiruchirappalli, during the 21st Convocation Ceremony.



June 6th – August 2nd, 2025:

As part of the Train the Trainer (TTT) Program launched in collaboration with itSMF India, the Department of CSE, BMSCE conducted a series of expert-led training sessions every Friday and Saturday from June 16th to July 19th, 2025. The program aimed to upskill faculty members in IT Service Management (ITSM) through structured modules aligned with industry standards.

Sessions were delivered by experienced professionals from itSMF India, including Mr. Sunil Kumar, Ms. Prathibha Ramesh, Ms. Jigna Bhat, Ms. Lalitha S M, and Mr. Sunil Mehta, along with several industry experts from leading IT companies. The training covered comprehensive modules such as:

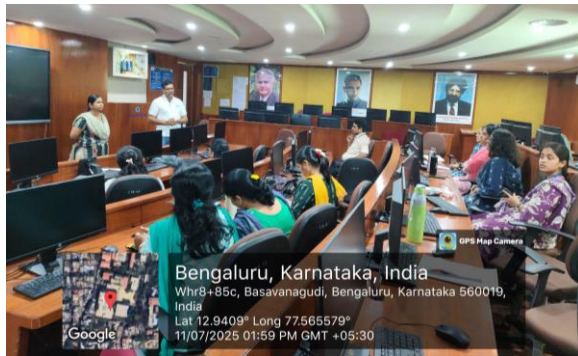
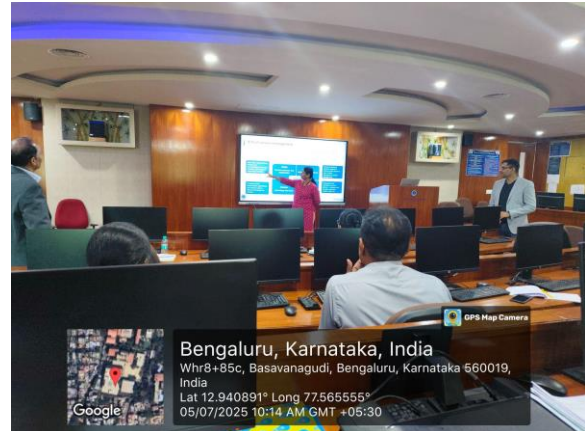
- Overview of IT Products & Services
- ITSM Frameworks & Delivery
- Best Practices in ITSM
- Project & Program Management in IT Service Delivery

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- Cloud Models, DevOps, and Automation in ITSM
- AI-infused IT Operations & Tools for Service Management.

Each week featured interactive sessions, real-time case discussions, activities, and assessments to reinforce learning outcomes. The program successfully enhanced faculty competence in ITSM concepts and their practical application in modern IT environments.

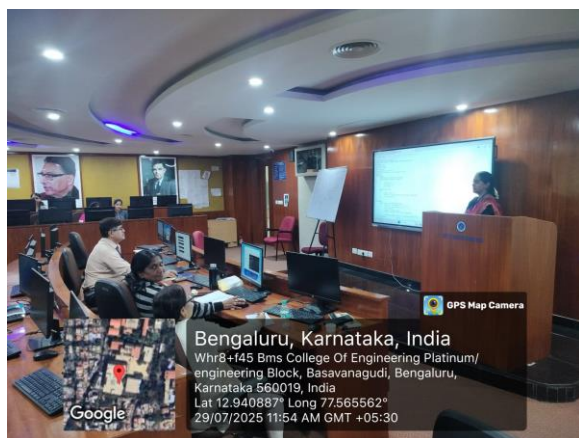


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August 2025

1st Aug, 2025:

Department of Computer Science and Engineering organized 5 days Staff Development Program for Non-Teaching staff on “***Building Foundation in Object Oriented Java Programming and Database Management System***” from 28th July to 01st August 2025. The SDP helped non-teaching staff gain basic knowledge of Java and DBMS. It also improved their technical awareness and practical skills to support academics.



1st Aug, 2025:

Dept of Computer Science and Engineering in collaboration with BMSCE CSE Protocol Club organized a 3 days FDP Program on ***Empowering Educators, a faculty*** orientation program from 31-07-2025 to 02-08-2025.

The 3-day FDP focused on departmental roles, structures, and responsibilities, including DAB, BOS, DPC, DAC, DAAuC, and coordination activities. The first day included School of Life and a Zumba session,

while subsequent days covered teaching, assessment, mentorship, placements, and departmental events. The program concluded with sessions on NBA and NAAC/IQAC processes.



10th Aug, 2025:

Prof. Prameetha Pai, Dr. Seema Patil, Dr. Shobha T has published a paper in scientific reports titled “***Deep learning-based automatic diagnosis of rice leaf diseases using ensemble CNN models***” in Web of Science Q1, ISSN 2045-2322, volume no 15, Article no 27690.

12th Aug, 2025:

Prof. Prameetha Pai, Dr. Seema Patil, Prof. Swathi Sridharan and Dr. Shobha has published a paper titled “***Slice Residual U-Net based Rice Plant Disease Classification Using Convolutional Attentional BiGRU***” in Journal of Internet Services and Information Security Scopus Q2 with ISSN: 2182-2077.

12th Aug, 2025:

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August 2025

Dr. Seema Patil along with 6th semester students has published paper titled “**Wattshead- An LSTM -Based Predictive Framework for Energy Consumption Forecasting in suburban India**” in International Journal of Environment Sciences indexed in Scopus Q3 ISSN 2229-7359 volume no 11, No 19s.

12th Aug, 2025:

Prof. [Ramya K M](#) has published a research paper titled “**Hierarchical enhanced deep encoder-decoder for intrusion detection and classification in cloud IoT networks**” in Indonesian Journal of Electrical Engineering and Computer Science indexed in Scopus Q3 ISSN 2502-4752, Volume 39, No 02.

15th Aug, 2025:

Prof. Madhavi R.P. with 6th semester project students has published paper titled “**REINFORCEMENT LEARNING FOR ENERGY GRID OPTIMIZATION**” in Tanz Research Journal indexed in Scopus Q4 ISSN 1869-7720 volume no 11, Issue No 8 pp 343-345.

15th Aug, 2025:

Prof. Madhavi R.P. along with 6th semester project students has published a paper titled “**AI-Powered Web Automation for Educational and Job Portals Using NLP**” in Tanz Research Journal indexed in Scopus Q4 ISSN 1869-7720 volume no 11, Issue No 8 pp 557-559.

22nd Aug 2025:

Sandhya A Kulkarni, Dr Kayarvizhy and Samraat Dabolay has presented a paper titled “**Enhancing Language Identification and Named Entity Recognition for Code-Mixed Languages using BERT Variants**” in the Fifteenth International Conference on Recent Trends in Communication and Computer Networks - ComNet 2025, held during Aug 22-23, 2025, Chennai, India.

18th Aug 2025:

Dr. Naresh E Published an article with PhD student in the Scientific Reports journal, article titled: **Adaptive deep SVM for detecting early heart disease among cardiac patients**. Volume 15, article no 30222 (2025). <https://doi.org/10.1038/s41598-025-15938-1>

27th Aug 2025:

Dr. Naresh E Published an article in collaboration with Kalshetty, J. N., Pareek, P. K., E, Naresh., & N N, Srinidhi. Article title: **Representative Image Encryption and Decryption Framework with Block-Level Pixel Analysis for Medical Applications** in IETE Journal of Research, 1–11. <https://doi.org/10.1080/03772063.2025.2545424>

29th Aug, 2025:

Haritvam and Yuvaka Sangha organized The Bengaluru Eco Summit 2025 and invited Dr Kavitha Sooda **as a panel member for a discussion on “AI, Industry 4.0 and the**

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Earth: At what cost are we advancing?”. She delivered a powerful talk on *“The Unprecedented Efficiency of Industry 4.0”*. Her insights brought immense value to the summit and deeply inspired the participants. The panel was also chaired by Prof.P.G.Diwakar , Chief Professor -ISRO and Dr V.R.Hegde, Executive Director-Pixel Solutions Pvt Ltd. The event was held in Satish Dhawan auditorium IISc, Bengaluru.

Electronics and Intelligent Communication Systems (ICITEICS) at Vemana Institute of Technology, Bangalore.



30th Aug, 2025:

Dr. Namratha M, Assistant Professor, Department of Computer Science & Engineering, BMSCE was invited as Session Chair for the IEEE 2nd International Conference on Information Technology,

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September 2025

1st September 2025

Dr. Seema Patil has successfully completed two completion badge and one skill badge under Google cloud Certification course with badge 1 titled “**Google cloud fundamentals:Core Infrastructure**” on 19th August 2025 ,badge 2 titled “**Set up an App Dev Environment on Google cloud**” on 23rd August 2025 and badge 3 titled “**Introduction on AI and machine learning on Google Cloud**” on 25th August 2025.

1st September, 2025:

Dr. Namratha M and Dr. Rajeshwari B S published a paper titled “**Sustainable Innovations For A Greener Future: Exploring Biodegradable Plastic Applications**” in the International Journal of Environmental Sciences, Elsevier, ISSN: 2229-7359, Vol. 11 No. 7, 2025. (Scopus-Q4)

1st September, 2025:

Dr. Rajeshwari B S and Dr. Namratha M along with UG students Kathasagaram Aishwarya, Kusumanjali Lokesh, Manjari Mukunda Joshi published a paper titled “**BERT-Based Classification of Reddit Posts for Mental Health Detection and Feed Adjustment in Social Media**” in Gongcheng Kexue Yu Jishu/Advanced Engineering Sciences, Volume 57, Issue 8, pp: 5531-5540, ISSN: 2096-3246, 2025. (Scopus-Q3)

2nd September, 2025

The Department of CSE organized a talk on “**Civil Services and Higher Studies**” on 2nd September 2025. The session was delivered

by Mr. Deepak and Mr. Prashanth, Coordinators at Global Degrees for Higher Education, BMSCE Academy. The talk aimed at promoting awareness of government services and higher education opportunities and was addressed to 7th semester students. Around 380 students participated in the event



3rd September,2025

The Department of CSE organized a technical talk on “**The Legend Behind Let Us C**” on 3rd September 2025 at Auditorium 1. The talk was delivered by Mr. Yashwant Kanetkar, the renowned author of *Let Us C*. Around 229 students participated in the event. The talk aimed to inspire students by exploring the strong programming fundamentals and encourage logical problem-solving .



3rd September, 2025:

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September 2025

Prof. Madhavi R.P. 6th semester project student has published a paper titled **“Implementation Of Reinforcement Learning For Energy Grid Optimization”** in Tanz Journal indexed in Scopus Q4 ISSN 1869-7720 volume no 20, Issue No 9 pp 152-155.

3rd September,2025:

Prof. Madhavi R.P. with 6th semester project students has published a paper titled **“Implementation Of AI-Powered Web Automation for Educational and Job Portals Using NLP”** in Tanz Journal indexed in Scopus Q4 ISSN 1869-7720 volume no 20, Issue No 9 pp 1-4.

3rd September, 2025

Dr. Panimozhi, Prof. Sheetal V A , Prof.Prameetha Pai and Prof. Ramya K M attended a Two weeks faculty development programme on **“Trainers Training for Developing Employability”** at BMS College of Engineering.



4th September, 2025:

The Department of CSE organized an invited talk on **“Recent Advancements in Generative AI”** on 4th September 2025. The session was delivered by Dr. Sandeep Kumar, AI Leader at Global Foundries, Bengaluru. The talk aimed to enhance students' knowledge of Machine Learning and Neural Networks in line with recent technological trends. Around 52 students participated in the program.



15th September, 2025:

Department of Computer Science & Engineering in association with Phaseshift-2025 signed an MoU with IBM Skillsbuild for Academia for academic training and collaborations.

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September 2025



15th September, 2025:

Department of Computer Science & Engineering in association with <CodeIO/> club conducted a 2-day workshop on “**Building AgenticAI Systems**” in UG Lab-1 for 5th semester UG students as a Pre Phase shift event. Mr. Kanav Bhansal, CTO, Innomatics Research Lab was the resource person.



19th Sept 2025:

Dr. Kavitha Sooda delivered an online talk FDP on “**Machine Learning Techniques in Signal Processing**” in a FDP on Cognitive Neuroscience Applications for different Academic Disciplines conducted at VTU, Mudenahalli Campus, Bengaluru.

24th September, 2025:

The Department of CSE conducted a seminar on “**Introduction to Experimental Learning Using Virtual Labs**” on 24th September 2025 at Auditorium 1. The seminar was presented by Mrs. Shreshta, Manager and Senior Research Fellow, NIT Surathkal. The session highlighted the role of Virtual Labs in enhancing practical skills through online simulations, encouraged students to explore beyond the constraints of physical labs, and promoted technology-enabled learning. Around 214 students participated in the seminar.



27th September, 2025:

Dr. Jyothi S Nayak along with her PG student Ashwini B Takalikar presented a paper titled “**Photovoltaic performance prediction of perovskite solar cell using intelligent systems**” in the International Conference on Communication and Intelligent Systems (ICCIS 2025) held on September 26-27, 2025 organised by BITS Pilani, K K Birla Goa Campus in association with Soft Computing Research Society on 27th September 2025.

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September 2025

28th September, 2025:

Prof. Saritha A N from CSE attended an 8-week FDP on “**Introduction to Machine Learning**” offered by NPTEL from July-Sept 2025 and secured the Elite badge.

29th September, 2025:

The Department of CSE conducted a technical talk on “**Space Applications and the role of AI**” on 29th September 2025. The session was presented by Dr. P G Diwakar, ISRO Chair Professor, National Institute of Advanced Studies (NIAS). The session highlighted the role of AI in enhancing space missions. It aimed to inspire students to explore interdisciplinary opportunities and contribute innovative ideas in AI-driven space research. Around 47 students participated in the session.



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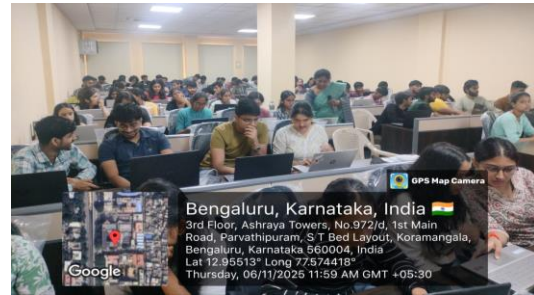
November 2025

Nov 5 2025

Dr. Shashikala along with Dr. Kaviath Sooda initiated the internship program with Old Dominion University, USA.



collaboration with SST technologies on 5th and 6th November 2025 at the Department of CSE, Bangalore Institute of Technology for 5th Sem undergraduate students.



Nov 6, 2025:

Dr. Rajeshwari B S, Dr. Namratha M and Dr. Jyothi S Nayak organized a workshop for KREIS school teachers as part of the MoU “Capacity Building for Teachers of Karnataka Residential Educational Institutional Society (KREIS) Adopting new Teaching Methodologies and Management of Schools” on 6th November 2025 in AI-DS Lab, 6th floor, PJ block.



Nov 6, 2025:

Dr.K.Panimozhi was invited as a resource person to deliver a hands-on session on "Raspberry Pi and Its applications" in

Nov 6, 2025

Dr. Kavitha S, Dr. Seema Patil, Prof Shravya A R along with mtech student Yashwitha Reddy presented a paper entitled “Anticipating Norovirus Surges in Pediatric Daycare Centers: A Hybrid Prophet-LSTM-GRU Forecasting Approach” in the International Conference on Machine Learning and Data Engineering (ICMLDE-2025) held from November 6th - 8th, 2025 at School of Computer Science, UPES, Dehradun, India.

Nov 6, 2025

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Rekha G S along with Nandeesh, Spoorthy Sadashiv Shanubhog, Pooja Priyadarshini and G.Venkatesha published a book chapter titled “*Fuzzy Modelling for Water Quality Analysis*” in the book Remote Sensing, GIS and Modelling for Water Resource Management Volume 2, Springer Water Journal.

Nov 8, 2025

Dr. Seema Patil and Prof. Ambuja K participated as a Coach in ICPC Amritapuri 2025 Coding competition along with two teams of 5th semester students on Nov 8th 2025.



Nov 10, 2025:

Dr Kavitha Sooda was invited as a resource person to deliver a session as a part of an Faculty Development Program (FDP) titled “*She Leads: Developing Leadership Competencies for Women Academicians*” which was held from 10th Nov- 12th Nov at NMAMIT. The workshop aimed to empower women in academia by enhancing their leadership capacities, fostering confidence, and building essential skills for effective academic leadership.



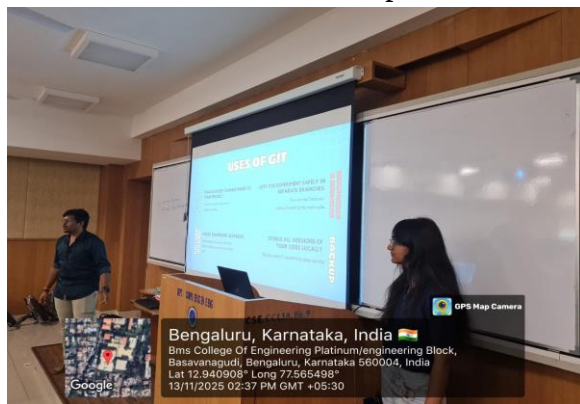
Nov 13, 2025

The Protocol CSE Department Club organized a workshop on “Git and GitHub” on 13 November 2025 from 02:30 PM to 05:00 PM. The session was facilitated by Ms. Aisha Ali Nyaz and Mr. Bhuvan A. The workshop aimed to help students understand the fundamentals of Git and GitHub, develop practical skills in using Git commands and tools, and gain confidence to contribute to and host projects. The resource persons delivered the session through a combination of explanations and live demonstrations, enabling participants to follow along in real

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time. The workshop provided valuable exposure to modern version-control practices and encouraged students to explore collaborative software development.



Nov 14, 2025

Dr.Seema Patil, Dr.Shobha T, Prof Swathi Sridharan has successfully completed the Short-Term Course(STTC) on “Generative AI in Computer Vision” Conducted from November 14-18, 2025 at Department of Computer Science & Engineering, NIT Rourkela.

Nov 14, 2025:

The Department of Computer Science and Engineering, in collaboration with the Protocol Club, organized a seminar on “Women Entrepreneurship and Business Plan Writing” on 14 November 2025 from 10:00 AM to 11:15 AM. The speaker was Ms. Deepa K. C. , Head, Infrastructure and Cloud, Vodafone Intelligent Solutions. Saritha A N, Sandhya A. Kulkarni, Surabhi S, Megha J, Srushti C S, Rashmi H, Manasa M co-ordinated this event. Around 350

students attended the seminar.



Nov 14, 2025:

BMSCE's Department of Computer Science and Engineering, in collaboration with the IEEE Student Branch and the <CodeIO/> Club, is organizing an offline Value Added Course on “**Generative AI, Prompt Engineering & Agentic Systems**” from 14th November 2025 to 15th January 2026, with sessions on every Monday, Wednesday and Friday. The 30-hour program introduced students to foundation models, prompt engineering, agentic workflows, RAG, and ethical AI practices, while offering hands-on experience with open-source tools, local AI models, and platforms such as GitHub, Kaggle, Hugging Face, and Streamlit. Open to UG students from the Computer Science cluster, and was guided by resource person Mr. Satya Prakash Nigam, the course aimed to equip students with practical skills to design and deploy real-world GenAI applications. Around 25 students registered and participated in the event.

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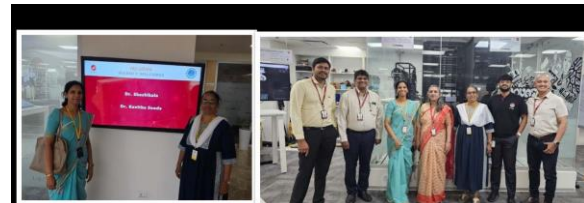
Nov 20, 2025:

Dr. Umadevi V, Professor, Department of CSE delivered a technical talk on "Generative AI" at Department of CSE(AI&ML), Nagarjuna College of Engineering and Technology, Bangalore on 20th November, 2025 to undergraduate students.



Nov 20th 2025:

Dr. Shashikala and Dr. Kavitha Sooda visited the Mu Sigma for academic collaboration.



Nov 20, 2025:

Industry Visit to ISRO–URSC, Bangalore
Department of Computer Science-Students and faculty visited the U R Rao Satellite Centre (URSC), ISRO, gaining valuable insights into India's growing space capabilities. The visit highlighted ISRO's major achievements, including the Chandrayaan, Mangalyaan, and Gaganyaan missions, and showcased the real-world impact of space technologies in communication, weather forecasting, navigation (NavIC), disaster management, and remote sensing. Participants also had the opportunity to observe clean-room operations, where satellites are assembled and tested to ensure precision and contamination-free integration. The experience enhanced understanding of

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satellite development and mission operations while instilling pride in India's significant contributions to global space exploration.



November 20,2025:

Rekha G.S, M.Anantha Sunil published a paper titled “*Studies on Machine Learning-Guided Prediction and Experimental Validation of Ni-Doped BaCO₃ for Energy Applications*” in Eurasian Journal of Physics and Functional Materials on Nov 20th 2025.

Nov 20,2025:

Dr. Priyanka Chandrashekhar Hiremath, along with Prof. Samhita, had attended the AI Conference hosted by Wequity. Their theme this year was “समAI: Time for AI to Get a Desi Twist!”

A proud moment was seeing students showcase their impressive AI research level projects. Their work stood out for its quality and depth, and they presented their ideas with great confidence and clarity. It was encouraging to see them engage meaningfully with experts and participants at the conference.

The event brought together professionals, researchers, and academicians who are actively contributing to the field of artificial intelligence.



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Nov 21, 2025:

The Department of Computer Science and Engineering organized a seminar on “*Introduction to GenAI*” on 21 November 2025, from 11:15 AM to 1:00 PM. The speaker was Mr. Deepak Koushik, Senior Director of Product Management, Salesforce, Bangalore for the 3rd Semester students. Saritha A N, Sandhya A. Kulkarni, Surabhi S, Megha J, Srushti C S, Rashmi H and Manasa M. About 59 students attended the seminar.



Nov 22, 2025:

The Department of CSE in collaboration with <CodeIO/> conducted a 8-hour hackathon “*Pixel Pitch*”-code your imagination. The hackathon witnessed a participation of 40

teams. Mr. Prasanna, Founder of CyberQuoitent was the evaluator for the hackathon. Dr. Namratha M, Mr. Amith Pradhan, Dr. Adarsha Sagar H V and Ms. Chaitra S P organized the hackathon in UG Lab-2.



Nov 22, 2025:

Dr.K.Panimozhi was invited as a Jury member for the project exhibition for CSE Dept at KSSEM on 22nd November 2025 for 7th sem students.



Nov 24, 2025

Dr.Shashikala and Dr.K.Panimozhi were invited as a Resource Person for Hands-on workshop on “*Demonstration of Finite*

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automata using JFLAP" at, Department of CSE, RNSIT on 24th 2025 for 5th Semester students .



Nov 25, 2025:

The Department of CSE organised a seminar on “Gen AI and higher studies” for 5th sem students from 10:30 AM to 11:30 AM. The speaker was Mr. Abhishek R, from ISB Hyderabad. Saritha A N, Sandhya A. Kulkarni, Surabhi S, Megha J, Srushti C S, Rashmi H and Manasa M co-ordinated this event. About 54 students from 5 F section attended the seminar.



Nov 24, 2025

Dr. Pallavi G B, Sindhoor N and Nayana N Kumar (CSDS) organized a workshop, “Data Center and IT Infrastructure: A Practical View” under the Product Services and IT Service Management (PSI) course for 5th semester students of CSE / AIML / CSDS / CSBS in Auditorium 2, PJ block from 11 AM to 2 PM. The session was led by Mr. Sunil P. N., Security Lead at HPE, who delivered an insightful talk on data centers, security practices, and real-world IT infrastructure operations.

As part of the workshop, students also visited the BMSCE Data Center, gaining first-hand exposure to its setup, functioning, and best practices. The experience offered students a practical understanding of how modern data centers operate and highlighted the industry relevance of the PSI course.



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Nov 17, 2025

Dr Shyamala G with research Scholar Deepa Ashok patil Published a Paper Titled “*A comprehensive survey on securing the social internet of things: protocols, threat mitigation, technological integrations, tools, and performance metrics*” in Scientific Reports (Springer Nature) [*Scientific Reports*](#) 15, Article number: 40190 (2025)

Nov 6, 2025

Dr Shyamala G Attended a Bridge Conference “*Empowering Tomorrow: AI, Skills, and Global Competence*” at Hotel Lalit Ashok as part of MoU with ICT Academy to bridge the gap between industry and academia.

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1st December, 2025

Madhavi R.P. Associate Professor, Along with UG Students Shantanu Shrivastav, Sathuri Harshvardhan, Jatin Bhatnagar, Shreya Mitawa Published a Paper Titled “*Early Dementia Detection Using Multilingual Voice Analysis With Nlp Techniques*” In Degres Journal .Vol No 10,Issue 11,pp:126-127,2025.

4th December, 2025

Dr. Naresh E published an article titled: “*COA Based Adaptive Neuro-Fuzzy Inference System: Machine Learning Approach for Crop Yield Prediction to Promise Agricultural Sustainability*” in SN Computer Science journal of Vol 6(8). Indexed in Scopus (Q1).

4th December, 2025

Dr. Naresh E published an article titled: “*Comprehensive brain tumour concealment utilizing peak valley filtering and deeplab segmentation*” in Scientific Reports journal of Vol 15(1). Indexed in Scopus and SCI (Q1).

7th December, 2025

Prof. Ramya K M published a paper titled “*SCALED-IDS: A Deep Semantic Class-Aware Layered Framework for Multiclass Intrusion Detection in Cloud-IoT Environments*” in Engineering, Technology & Applied Science Research, Volume 15, Issue 6, pp: 28411-28419, 2025. (Scopus-Q2)

15th November, 2025

A Technical talk was conducted for 3rd Sem students of CSE on Full Stack Web Development + Agentic AI by Manish Kogundi, Vice President, Head of Digital Assets Innovation Technology APAC, Northern Trust Corporation.



12th December 2025

The Department of CSE, organized a RedHat Academic Challenge sponsored by RedHat Academy in association with Code Tantra to conduct the test. Dr. Shashikala, Associate professor along with Prof. Prameetha Pai facilitated the event. Around 104 students were shortlisted for the Final round out of which 63 were eligible and 10 students were awarded with the prize sponsored by Redhat.



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29th December, 2025:

Prof. Saritha A. N, along with UG students Pannaga R. Bhat, Pranav Anantha Rao, P. Prajwal and P. T. Pradeep published a research paper titled “*Alleviate: An AI-Powered Mobile Application for Personalized Healthcare Management and Doctor Recommendation*” in IEEE Access, Vol. 13., pp: 215822-832. Indexed in Scopus and Web of Science (Q1).