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SOCSE Binary Banner

3rd Edition



DEAN'S MESSAGE



Dear Readers,

As we reflect on the past month, I am pleased to share with you the outstanding achievements and contributions that have made our school community stronger and more vibrant. Our students have continued to excel in both academic and extracurricular pursuits. Notable achievements include: Many students participated in cocurricular, extra curricular and cultural events this month, showcasing their talents in music, dance, and the arts. These performances have not only enhanced our school spirit but have also earned accolades. Our faculty have continued to lead by example, both in and out of the classroom. This month's notable events include: Several faculty members attended FDP's, workshops and seminars to enhance their teaching skills and engage with the latest educational practices. Their commitment to lifelong learning is commendable. Faculty members have made significant contributions to collaborative research, with publications and presentations in various academic journals and conferences. Their work continues to elevate the reputation of our school. Our faculty organized workshops, seminars, and outreach programs for the local community. These events not only showcase our faculty's expertise but also reinforce our commitment to service and education beyond the school walls. As always, I extend my deepest gratitude to the entire school community for your unwavering dedication to excellence. Let us continue to support one another as we work toward even greater achievements in the months ahead.

Sincerely,

Dr. G Shobha

Dean, School of Computer Science and Engineering

ACHIEVEMENTS AND RECOGNITIONS (STUDENTS AND FACULTY) DURING MONTH

Dr. Rammohan Bhanumurthy has been invited to be a part of the Technical Panel for the formulation of standards on drones by the Ministry of Defence, DRDO. This prestigious recognition highlights his expertise in aerospace technologies and his valuable contribution to national defense initiatives through technical policy and standards development.



Dr. C.S.K. Raju has been appointed as the subject expert for question paper setting for the II B.Tech II Semester R23 Regular Examinations (April/May 2025) for the subject Probability and Statistics (23ABS15) by JNTUA College of Engineering, Kalikiri. This recognition reflects his academic excellence and subject matter expertise in the field of statistical analysis and engineering education.



Dr. Narendra K C has served as a reviewer for the Journal of the Acoustical Society of America, a leading publication in the field of acoustics. His contribution to the peer-review process reflects his subject expertise and active involvement in advancing research in audio and acoustic technologies.





Dr. Baishali Garai has been honored with the prestigious Faculty Achievement Award from RSST. This award recognizes her outstanding contributions to academia, research, and institutional development, celebrating her dedication to excellence in teaching and scholarship.



Samrudh Ganesh H N (1RUA24CSE0404), representing RV University, has been honored in Rhapsody IISc's Hall of Fame for his exceptional contributions as the Best Campus Ambassador and Event Coordinator. Featured on Rhapsody's official website, his efforts significantly boosted participation and played a pivotal role in the success of IISc's prestigious fest, bringing pride to the university.



Dr. D. Sathya has been recognized for her academic engagement as a reviewer for two reputed journals — Journal of Supercomputing and the International Journal of Systems Assurance Engineering and Management. Her role in peer-reviewing high-quality research reflects her expertise and contribution to advancing knowledge in supercomputing and systems engineering.



Aadya Arun Talreja, Archita Das, Freya Raja, and Yashmeet Baid, second-year B.Tech students, won the first prize at the InnovateX Ideathon hosted by SJB Institution of Technology for their innovative project ZENITH (Zero-error Encrypted Navigation for Intelligent Tracking and Handling). Mentored by Prof. Sonam V Maju, their project stood out for its advanced approach to secure and efficient navigation, showcasing their creativity and technical skills.

Dr. C.S.K. Raju has been serving as a reviewer for Scientific Reports, a prestigious journal published by Springer Nature. His role in reviewing research reflects his expertise and commitment to advancing scientific knowledge and ensuring the quality of publications in his field.





Dr. Rammohan Bhanumurthy served as a reviewer for the 1st International Conference on Green Artificial Intelligence and Industrial Applications (GreenAI-2025). His role in evaluating and reviewing research papers underscores his academic credibility and active involvement in promoting sustainable and innovative AI-driven industrial solutions.



Dr. C.S.K. Raju successfully supervised the full-time research work of a Ph.D. scholar at GITAM University. This milestone highlights his commitment to mentoring and guiding advanced research, reinforcing his role as a dedicated academic and research leader.



Team Vigorous-X—**Samrudh Ganesh, Adithya N Shenoy, Sathish Dath, and Sagar**—secured domain winner status and 2nd place overall at HACK-AI-THON, hosted by IISc Bengaluru. Competing against 168 teams, their AI-powered Knowledge Management System impressed experts from IISc and Atlas Copco Group. They received a ₹10,000 cash prize, showcasing their technical skill and passion for AI innovation.

ACADEMIC ACTIVITIES ORGANIZED BY THE SCHOOL DURING MONTH

On 28th February 2025, the School of Computer Science and Engineering at RV University organized Spectra '25, a celebration of National Science Day, at the B-Block, RVU campus. The event featured an insightful address by Prof. P. C. Deshmukh, who shared his perspectives on the significance of science in shaping the future. Spectra '25 showcased student-led exhibits, talks, and activities promoting scientific curiosity and innovation. The event was coordinated by **Asst. prof Amruthesh Bhat**, **Dr. Bharath Manchikodi**, **Dr. Durgarao Guttula**, and **Dr. Baishali Garai**.



The CodeCon Felicitation ceremony was held on 7th March 2025 at the Homi J Bhabha Hall, RV University. The event celebrated the achievements of outstanding performers from the recently conducted coding contest. It was graced by Dr. Shobha G (Dean, SoCSE), Dr. Merin Thomas (Assistant Dean, SoCSE), and Dr. Sudhakar K.N (Program Director, B.Tech). The felicitation recognized student excellence and aimed to encourage a culture of coding and innovation within the School of Computer Science and Engineering. The event was coordinated by **Prof. Sonam V Maju** and **Prof. Ashwini Mathur**.



The School of Computer Science and Engineering organized a session on "Hybrid App Development with ReactJS" on 7th March 2025 from 2:00 PM to 3:00 PM at the Civil Seminar Hall. The speaker for the session was Mr. Abhishek T, Software Engineer at Myntra Pvt. Ltd., who shared valuable insights into building cross-platform applications using ReactJS. The session provided students with practical knowledge on hybrid app development, industry practices, and real-world implementation strategies. The event was coordinated by **Vidya M J, Akshay Kumar, Donna R, Rakshitha M, Dhanya Nagaraj, Adithyaa N, Adithi Vaidyanathan, Prasanna Gurdev, Sri Vijayalakshmi.**



Bengaluru, Karnataka,
New Sports Complex, Rvce, Rv
Vidyaniketan, Mailasandra, Bengaluru
Karnataka 560059, India
Lat 12.923662° Long 77.501°
20/03/2025 02:40 PM CEST

On 20th March 2025, **Dr. D. Ranganath**, Dean of Placements and Training at RVCE, RVU, and RVITM, addressed the 6th-semester students of the School of Computer Science and Engineering at B-Block, 2nd Floor Seminar Hall from 2:00 PM to 3:45 PM. The session focused on placement preparedness, industry expectations, and career planning strategies, offering students valuable insights into navigating their professional journeys. The event was coordinated by **Prof. Lokesh J K**.

OUTCOMES WITH EXISTING COLLABORATIONS

Prof. K J Vinoy (Dept. of ECE, IISc, Bengaluru) and Prof. Chandramouleeswaran S (School of CS&E, RV University, Bengaluru) were appointed as members of the Scrutiny Committee by **DRDO Headquarters, New Delhi**, to examine lateral entry cases into DRDO at the level of Scientist C and above.





FACULTY DEVELOPMENT PROGRAMME (FDP) /WORKSHOP | CONFERENCES | SYMPOSIUM



Prof. Kalpana Devi S participated in the E&ICT Academy, NIT Warangal, Telangana State, for an online course on "Unleashing the Real-World Applications of Artificial Intelligence and Machine Learning" from 13th January 2025 to 23rd January 2025 (10 days). The certificate for the course was received on 6th March 2025. The course provided in-depth knowledge and practical insights into the applications of AI and ML in real-world scenarios.

Dr. Merin Thomas served as a Resource Person for the Faculty Development Program (FDP) on "Generative AI and Prompt Engineering" at Sambalpur University. The program was held online from 24th February to 7th March 2025. During the FDP, Dr. Thomas shared expert knowledge on the emerging fields of Generative AI and prompt engineering, providing valuable insights to the participants.



Prof. Aparna R participated in the online course "Unleashing the Real-World Applications of Artificial Intelligence and Machine Learning," organized by the E&ICT Academy, NIT Warangal, Telangana. The program took place from 13th January to 23rd January 2025, spanning 10 days. Prof. Aparna received the certificate for the course on 6th March 2025, gaining valuable insights into the practical applications of AI and ML.



Dr. K Sailaja Kumar participated in the Online Training Programme on "Generative AI & Use Cases," organized by Electronics & ICT Academies of MNIT Jaipur, IIITDM Jabalpur, IIT Roorkee, NIT Patna, and IIT Guwahati. The training took place online from January 11th to February 2nd, 2025, and focused on the applications and use cases of Generative AI.

Prof. Amruthesh Bhat attended the event titled "Recent Scientific Advancements in PhyChemMath," organized by VIT-AP in association with the Royal Society of Chemistry. The event took place online from March 4th to March 8th, 2025, and focused on the latest scientific advancements in the fields of physics, chemistry, and mathematics.





Dr. Ramesh S attended the online course on "Inculcating Universal Human Values in Technical Education," organized by the All India Council for Technical Education (AICTE), New Delhi. The course was held from 27th January to 31st January 2025, and Dr. Ramesh received the certificate for completing the course on 11th March 2025. The program focused on integrating human values into technical education for a holistic learning experience.

Prof.Uma Shankari B attended the online course on "Unleashing the Real-World Applications of Artificial Intelligence and Machine Learning," organized by the E&ICT Academy, NIT Warangal, Telangana State. The course took place from 13th January to 23rd January 2025, and Uma Shankari received the certificate for completing the course on 6th March 2025.



Dr. Manish Kumar participated in the online course "Securing The Future (AI & Cybersecurity)" organized by IIT Patna from 10th to 15th March 2025, focusing on the role of AI in enhancing cybersecurity. He also attended the IEEE International Conference on Contemporary Computing and Communications held on 14th–15th March 2025 at CHRIST University, Bangalore, organized by the IEEE Computer Society Bangalore Chapter and the Student Branch Chapter.



FACULTY ACHIEVEMENTS EVENTS



Dr. G Shobha, Dean of the School of Computer Science and Engineering, served as the Session Chair for Session 16: "Advanced Image Analysis and Computational Models" at the ICBDA2025 conference. The event, held from 13th to 15th March 2025, focused on cutting-edge research and developments in the fields of image analysis, computational models, and their applications. As Session Chair, Dr. Shobha played a pivotal role in moderating discussions and guiding the exchange of ideas among experts in the domain, contributing to the success of this global event.



Prof. Aparna R delivered two guest lectures at RV College of Engineering, Bengaluru, in March 2025. On March 6, she spoke on "Building a Microservice Infrastructure on the Cloud Platform" at the Department of Information Science and Engineering. Later, on March 19, she presented "AWS Advanced Cloud Services: A Hands-on Approach" at the Department of Computer Science and Engineering. Both sessions provided students with practical insights into cloud computing technologies.



Dr. Baishali Garai served as a Technical Committee Member at the 3rd International Conference and Exhibition of NDE 4.0, held from March 3–6, 2025, at Taj Yeshwantpur, Bangalore, contributing her expertise on advancements in Non-Destructive Evaluation technologies. On March 19, she also delivered an expert lecture at BMS College of Engineering on the role of AI in material science research, highlighting its transformative impact across academic and industrial domains.



Prof. Manasa H C presented a research paper on "Gen AI in NDE" at the 3rd International Conference and Exhibition of NDE 4.0, held from 4th to 6th March 2025 at Taj Yeswanthpur, Bangalore. Her presentation focused on the application of Generative AI in Non-Destructive Evaluation (NDE), showcasing innovative approaches and methodologies in this emerging field.



Dr. D. Sathya attended the IEEE ICISS 2025 conference, which took place online from 19th to 21st March 2025. This event brought together experts and researchers in the field of smart computing and communication systems, offering a platform to explore the latest advancements and innovations. Dr. Sathya's participation in this conference reflects their engagement with cutting-edge developments in the field.

7th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2025), held from March 5–7, **Dr. K Sailaja Kumar** presented a paper titled Optimizing Financial Security with Cloud AI. The study leverages Deep Q-Networks and transfer learning to improve risk management and fraud detection in cloud-based financial systems. Published by IEEE and indexed in Scopus, the work marks a significant contribution to financial technology research.



IEEE conference held from March 6–9, 2025, at IIT Delhi, **Dr. Narendra K C** presented a paper titled A Correlation Profile-Based Adaptive Weighing in Mel-DCT Filter Banks for Voice Activity Detection. The study proposes a novel method to improve voice activity detection through adaptive weighting, enhancing accuracy and robustness in speech signal processing.



Dr. Ramesh S published a Q2 SCIE-indexed journal article titled “Development of Mg-Zn-Mn Surface Composites Reinforced with ZnO Through Friction Stir Processing and Investigation of Corrosion and Wear Behaviour” on March 4, 2025, with Springer. The publication is Scopus indexed with an impact factor of 3.5.

Dr. Ashutosh Tiwari published a Q2 SCIE-indexed journal article titled “A Novel Intuitionistic Fuzzy Soft Metric and Its Application to Clustering” on March 5, 2025, with Yokohama. The publication is Scopus indexed.

In 2025, **Dr. CSK Raju** published five impactful studies in top journals like Elsevier, Wiley, and Begell House, advancing nanofluid dynamics and heat transfer. His research blends AI and computational methods to optimize thermal systems—covering deep learning for nanofluid flow, AI-driven thermal classification, and the effects of nanoparticle geometry, industrial waste, and porous media.

3rd IEEE International Conference on Disruptive Technologies (March 7–8, 2025), **Prof. Khushboo Pandey** presented a paper titled Assessing the AI-Powered Model for Impact of Wearable Devices on the Human Body. The Scopus-indexed study uses AI to evaluate the effects of wearables, contributing to innovations in healthcare and wearable technology.

Dr. Rammohan Bhanumurthy has contributed a significant chapter to the book Mitigating Aeroelastic Instability Through the Integration of Nitinol in Composite Structures. This work, presented at the ISSS conference at IISc, Bengaluru, delves into innovative solutions for enhancing the stability of composite materials in aerospace engineering. Published by Springer under LNME on 5th May 2025, this book chapter is indexed in Scopus, marking its academic and research relevance.



On February 25, 2025, **Prof. Chidhanand R S** published a chapter in Springer's Smart Innovation, Systems and Technologies series titled MIR in Music Business Analytics: Exploring the Relationship Between Audio Frequencies and Listenership Impact. The chapter examines how music information retrieval (MIR) techniques can uncover links between audio frequencies and listener engagement, highlighting the evolving intersection of technology and music analytics.

Dr. Harish H published a journal article on February 21, 2025, in World Scientific, titled Comparison of the Performance of Indirect Evaluation of Flank Wear for Turning Inconel-718 Using the Processed Image and Acoustic Waves. The study compares image analysis and acoustic wave techniques for assessing flank wear in machining Inconel-718, showcasing their potential to enhance accuracy and efficiency.



PATENTS DURING THE MONTH



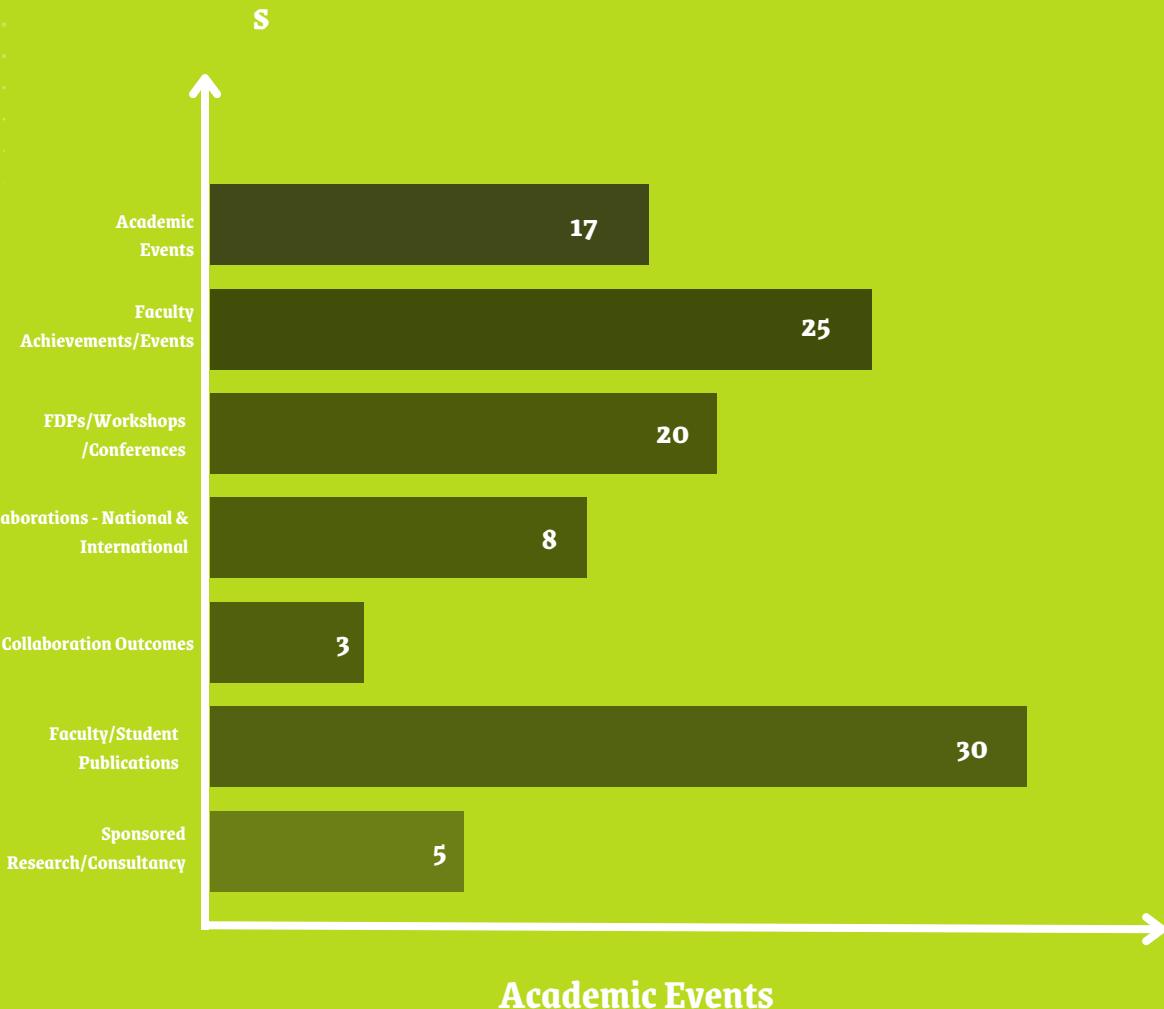
A patent for the Board Game has been granted under the category of Industrial Design. The patent was granted on 14th March 2025 with CBR No. 443419-001. This achievement marks a significant milestone in the protection of intellectual property, recognizing the unique design and innovative concept of the board game.



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Progress at a Glance

March month



We encourage submissions of articles, insights, and contribution on technology, scientific advancements, and related topics for our Newsletter (Faculty or Students)

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