



**RV
UNIVERSITY**

Go, change the world

an initiative of RV EDUCATIONAL INSTITUTIONS

SOCSE

Binary Banner

4th 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



Academic Events



The SoCSE organized a workshop titled "**AI Decoded: Learn, Apply, Evolve**" on 28th March 2024, at the B Block Multi-Purpose Hall, 1st Floor. The session was conducted by **Kaustubh Maske Patil**, a generalist software engineer at Gooey.AI, and coordinated by **Prof. Harish K.R.** and **Prof. Sheba Pari N.**. The workshop focused on real-world applications of AI, offering hands-on insights into deploying models effectively.

The School of Computer Science and Engineering organized "**Recyclothon – Used Books Collective Drive**" from 26th March to 2nd April 2025, held at the B Block Ground Floor, next to Just-Vend. The initiative was conducted in association with Youth For Parivarthan, aiming to promote sustainability through book reuse. The event was coordinated by **Prof. Ashwini Prasad S.**



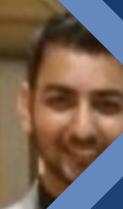
A two-day workshop titled "Building Scalable dApps & DeFi Solutions Using Web3 Tools and Blockchain Frameworks" was conducted from 28th to 29th March 2025 at the Civil Engineering Seminar Hall. The sessions were led by Sangam Birdar from Edforce, focusing on practical approaches to decentralized applications and blockchain-based financial systems. The event was coordinated by Dr. D. D. Sathya, Prof. Yash Daga, Prof. Priyanka S, and Prof. Khushboo Pandey from SoCSE.

A 5-day workshop on Augmented Reality and Virtual Reality, in collaboration with ARK, was organized from 24th to 28th March 2025. The workshop was led by experts including Rameshkumar Kalimuthu, Mr. Logesh, and Mr. Sri Krishnasamy, all affiliated with ARK-Fusion VR. It focused on AR/VR fundamentals and Unity-based development. The event was coordinated by Dr. K Sailaja Kumar, Dr. Lokanayaki, and Prof. Paras from SoCSE.

A placement talk by Mr. Ravishankar and Mr. Sivakumar was conducted on April 4, 2025, at RV University. The session provided students with valuable guidance on placement preparedness, industry expectations, and career planning. It offered practical insights and motivation for students aspiring to enter the professional world. The event was organized by Prof. Veena S and Manasa.



Three engaging online sessions were conducted in April 2025 as part of the Kalvium event series. The first session, PAIG Workshop conducted on 5th April, was led by Aditya Thakur, Senior Full Stack Developer at Privacera. The second session, a Kalvium Tech Talk on 12th April from, featured Sachin Pandey, a Software Engineer at Autodesk. The third session, held on 19th April, featured Harsha Vardhan, Principal Technical Program Manager at Amazon Pay.



The seminar "Business Beyond the Profit" was successfully held on April 15, 2025, at the Homi Bhabha Seminar Hall, 3rd floor, B Block, RV University. The event brought together renowned speakers such as Dr. Alison Ashby, Dr. Ashwini K, Prof. Priyanka S, and Prof. Sasikala J, who shared valuable insights on how businesses can go beyond profit-making to create a positive impact on society and the environment. The discussions centered on evolving role of businesses in contributing to global well-being.

National and International achievement



Prof. Chandramouleeswaran Sankaran has been appointed as a member of the Time Estimation Committee (TiEC) for a Defence project for the Indian Navy, developed by LRDE, DRDO. The invitation and committee formation were formalized on April 11, 2025. This collaboration aims to leverage Prof. Chandramouleeswaran's expertise in providing critical evaluations and time estimation for the project, contributing to its strategic and timely execution.

Prarthana V Bhat, an international-level pistol shooter, represented Karnataka at the 23rd Kumar Surendra Singh (KSS) Shooting Championship held on April 24th in Bhopal, Madhya Pradesh. Competing in the 10-meter air pistol event under Ekalavya Shooting Hub, she faced top ISSF shooters from across India. Earlier, at the National Shooting Championships in December, she secured an all-India 67th rank in the senior women's category, qualifying for the Indian Team Trials Group B.



Academic Activities



Dr. P. Karthikeyan exemplified academic leadership by delivering an insightful session on "Responsible AI" on 22nd March 2025 at Paavai College of Engineering, Namakkal, India. His contribution reflects the commitment of our faculty to advancing ethical practices in emerging technologies and fostering academic excellence beyond institutional boundaries.

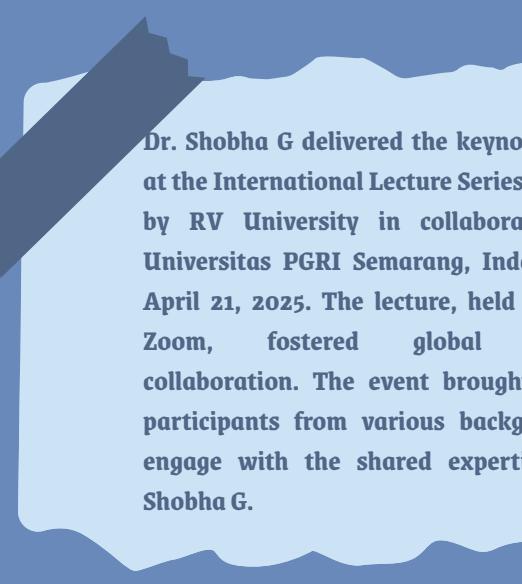
Dr. Durgarao actively participated in the Online Training Programme on "Generative AI & Use Cases" conducted from January 11 to February 2, 2025, by the Electronics & ICT Academies. His continuous pursuit of knowledge in cutting-edge technologies like Generative AI reflects his dedication to staying at the forefront of innovation and bringing that expertise back to enrich student learning.



Dr. Jobin Thomas delivered a session titled "Time Series Analysis, Forecasting and Autocorrelation in High-Dimensional Spaces: Insights for Healthcare and Economics" on 26th March 2025 at New Horizon College of Engineering (NHCE), Bengaluru, India



Dr. K Sailaja Kumar was appointed as a member of Board of Examiners Meeting at the School of Applied Sciences, MCA, Sapthagiri NPS University, for the academic year 2024-2025 and on 21st April 2025 attended a meeting to scrutinize the question papers, contributing her academic expertise to uphold the standards of evaluation.



Dr. Baishali Garai delivered a guest lecture as part of the International Lecture Series jointly organized by RV University and Universitas PGRI Semarang, Indonesia on 22nd April 2025, held online via Zoom, showcasing cross-border academic collaboration and knowledge sharing.



Dr. Shobha G delivered the keynote address at the International Lecture Series organized by RV University in collaboration with Universitas PGRI Semarang, Indonesia, on April 21, 2025. The lecture, held online via Zoom, fostered global academic collaboration. The event brought together participants from various backgrounds to engage with the shared expertise of Dr. Shobha G.

Faculty Development Programme

Prof. Ashwini Prasad S attended the NPTEL+ Workshop on March 23, 2025, focused on "Decoding the EU AI Act". The session, held online, explored the intricacies of the European Union's AI regulations and their implications on global AI practices. Prof. Ashwini's participation highlighted the growing importance of understanding AI governance and its impact on technology development and policy-making.



Dr. Ashwini K attended the Faculty Development Programme (FDP) on Generative AI organized by The LNM Institute of Information Technology from March 10th to 15th, 2025. Held online, the program focused on the latest advancements in generative AI, equipping participants with valuable insights and practical skills in this emerging field.



Prof. Sritama Banerjee attended the Faculty Development Programme on Cloud Computing and Distributed Systems, organized by NPTEL, from January 1, 2025, to March 15, 2025. The online program provided an in-depth understanding of cloud computing technologies and distributed systems, enabling faculty members to enhance their academic and research skills in these rapidly evolving fields.



Charis E. Shiny and Dr. Ramesh S participated in the 1st International Conference on Recent Interdisciplinary Trends in Engineering and Science 4.0 held on March 26, 2025, at REVA University, Bengaluru. The authors presented their paper which was on "Revising The Wilson-Bappu Effect Using Python to represent the distances in the Universe."



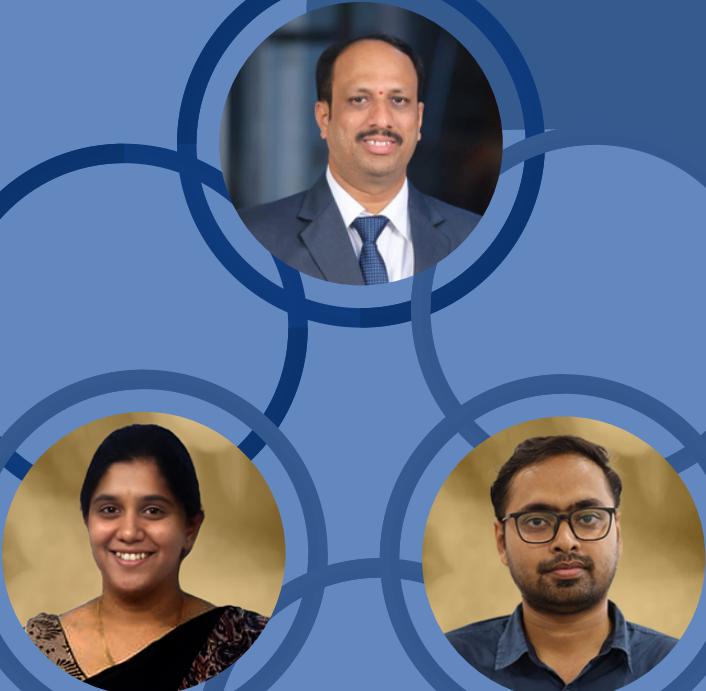
Dr. Vidya M J presented her research at the 3rd International Conference on Biomedical Engineering Science and Technology at NIT Raipur. The conference, organized by Springer, focused on computational methods in biomedical research. Dr. Vidya's presentation contributed valuable insights into the intersection of biomedical engineering and computational techniques.



Dr. Rammohan Bhanumurthy had his work accepted by ASME (American Society of Mechanical Engineers) for publication in the ASME Proceedings on April 21, 2025. This recognition highlights the quality and impact of his research in the field of mechanical engineering, contributing to the global academic community.

Prof. Lokesh J K participated in the Faculty Enablement Program (FEP) on Generative AI conducted by Infosys Springboard from March 17th to 21st, 2025, followed by a certification exam on March 29th, 2025. Held online, the program provided in-depth knowledge on generative AI technologies, tools, and their practical applications.

Prof. Ashwini Prasad S attended an online Faculty Development Programme (FDP) on Cyber Security organized by IZEE Business School, Bangalore, on April 12, 2025. The session focused on current challenges and solutions in the field of cyber security, aiming to enhance faculty awareness and expertise in safeguarding digital infrastructures.



Prof. Anik Acharjee attended the Faculty Development Programme (FDP) on "Next-Generation Computing: Trends and Challenges in Research", held online from March 25th to 29th, 2025, by Sharda University. The program focused on emerging trends in computing and the challenges researchers face in advancing next-generation technologies.

Outcomes with Existing Collaboration

An experiential lab visit to Nokia, located at Manyata Tech Park, Bengaluru, was organized to provide students with hands-on exposure to industry practices and advanced communication technologies. The visit was coordinated by Dr. Vidya M J and Mr. Yash Daga, offering participants a valuable opportunity to interact with professionals and understand real-world applications of their academic learning in a corporate environment.

1

Aadya Talreja, Archita Das, Freya Raja, and Yashmeet Baid, second-year B.Tech students, won first prize at the InnovateX Ideathon hosted by SJB Institution of Technology for their innovative project, ZENITH. Their project, which focuses on developing a secure and precise navigation system, was mentored by Prof. Sonam V Maju. This achievement highlights their creativity and problem-solving skills in the field of technology and navigation systems.



Sathya D was awarded a Certificate of Excellence in Peer-Reviewing in recognition of their outstanding contribution to the quality of a book. This certificate highlights Sathya's dedication and expertise in the peer-review process, ensuring high standards of academic publishing. Their contribution plays a key role in maintaining the integrity and quality of scholarly work.

2

3



Niranjan R participated in the Campus LeetCode Challenge held on March 19th, a fun and engaging coding competition that brought together participants of all skill levels. The challenge offered an opportunity to solve a series of tough problems in a monitored setting, testing participants' coding skills and problem-solving abilities. The event proved to be a valuable experience for all involved, fostering a competitive yet collaborative coding environment.

Dr. C. S. K. Raju has been recognized as a Reviewer at Physics of Fluids, an esteemed journal published by the American Institute of Physics Publishers. This recognition highlights Dr. Raju's expertise and contribution to the field of fluid dynamics, where his insights and critical review process play a key role in maintaining the journal's high academic standards

4



5

A team of 6th-semester students from RVU, including Prof Manjul Gupta Krishna, Saatvik, Shreyank, Lohith, and Mokshith, won 3rd prize and a cash award of Rs. 15,000 at the 24-hour Colossus Hackathon held at Ambedkar College of Engineering on April 12, 2025. This achievement showcases their innovative approach to addressing mental health challenges through technology.



6

Dr. P. Karthikeyan published a research paper titled "TabNet-SFO: An Intrusion Detection Model for Smart Water Management in Smart Cities" in Wiley. This Scopus-indexed work presents a novel model leveraging TabNet for securing smart water infrastructure, addressing cybersecurity challenges in urban utility systems.



Parth Porwal, a student from RVU, has successfully secured a spot in the Pre-Incubation Program at AIC-MUJ for his startup, "The Waiter Company", on April 18, 2025. This achievement marks a significant milestone for Parth, as his innovative business idea has been recognized and accepted by AIC-MUJ, offering him the opportunity to receive mentorship and resources to develop his entrepreneurial venture further.

Dr. P. Karthikeyan published a research article titled "Improved Smart City Security Using a Deep Maxout Network-Based Intrusion Detection System with Walrus Optimization" in PeerJ. This Scopus-indexed publication introduces an innovative intrusion detection system that combines deep learning with walrus optimization to enhance cybersecurity in smart city infrastructures.



Arnav Jain (USN: 1RVU23CSE076) and Anirudh (USN: 1RVU23CSE058) from Section C of the B.Tech program secured 1st Place in the RVCE CTF 2025, a 4-hour offline Capture The Flag competition held on 9th April 2025. Organized by the Coding Club RVCE, the event challenged participants with real-world hacking scenarios in a Jeopardy-style format, testing their expertise in Web Exploitation, Cryptography, OSINT, Forensics, and Reverse Engineering.



Prof. Priyanka S presented her paper titled "Assessing the AI-Powered Model for Impact of Wearable Devices on the Human Body" at the 3rd International Conference on Disruptive Technologies, held on March 7th-8th, 2025. The paper, published in IEEE, is Scopus-indexed and explores the integration of AI models to evaluate the effects of wearable devices on human health.

Dr. Harish H published a research paper titled "Zeta Potential in Estimating the Dispersive Behavior of Microwave and Ultrasonic Pretreated Indian Lean-Grade Iron Ore from Karnataka Region" in Springer. This Scopus-indexed study investigates the impact of advanced pre-treatment techniques on iron ore dispersive behavior, contributing valuable insights to the field of mineral processing and extractive metallurgy.



Prof. Veena S published a paper titled "Distributed Computation Offloading in Vehicular Edge Networks Using Proactive Service Reservations and Multi-Agent Learning" in the prestigious IEEE Transactions on Vehicular Technology (Q1) in April 2025. This Scopus-indexed research explores advanced methods for efficient computation offloading in vehicular networks, leveraging proactive strategies and multi-agent learning to enhance performance and service delivery.



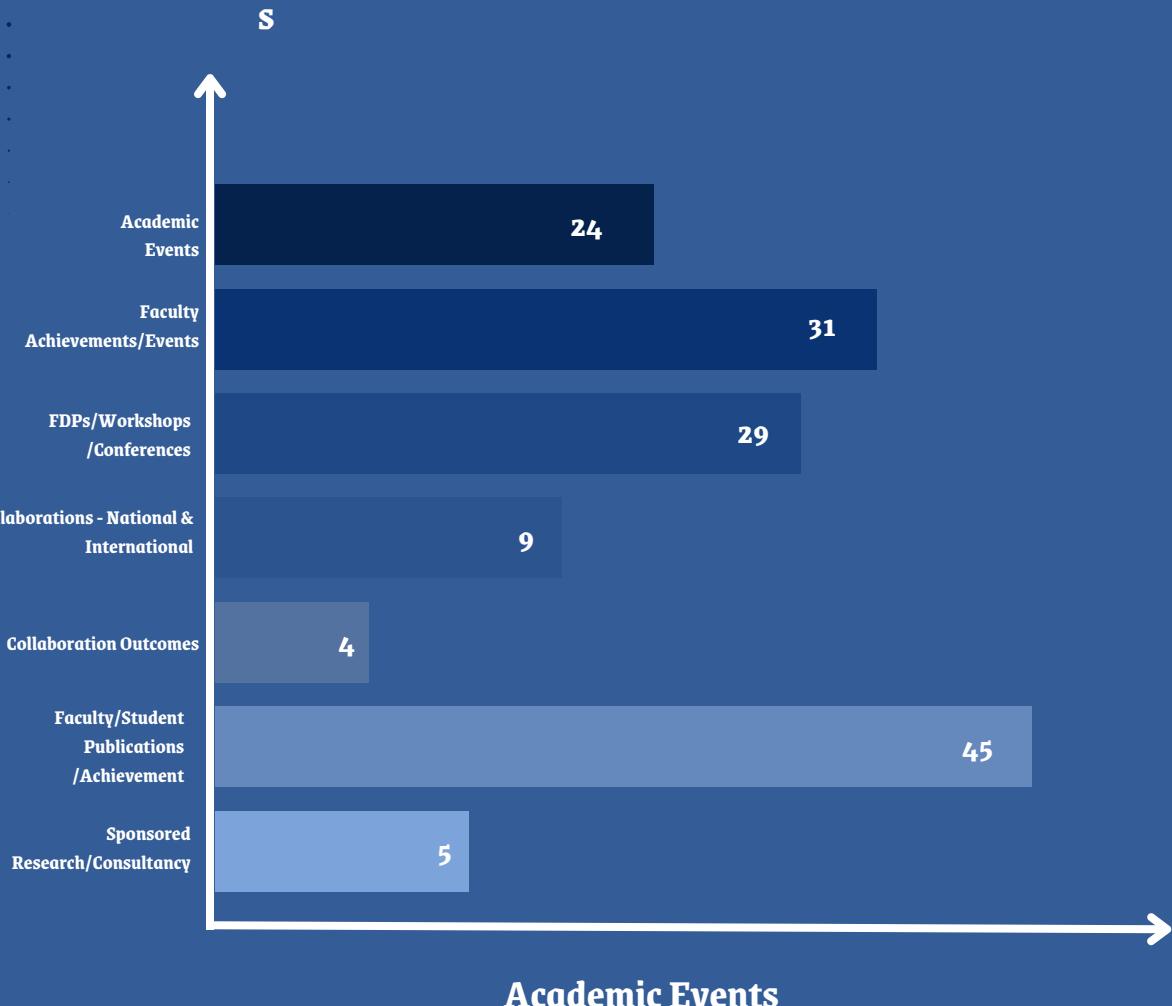
Dr. Ashwini K published a research article titled "Explainable AI-based Feature Importance Analysis for Ovarian Cancer Classification with Ensemble Methods" in Frontiers, a Q1 SCI journal, on March 26, 2025. This Scopus-indexed publication highlights Dr. Ashwini's contribution to advancing AI-driven healthcare solutions through interpretable and effective models.

Dr. C. S. K. Raju published a journal article titled "Exploration of Physical Characteristics of Gyrotactic Microorganisms and Cattaneo-Christov Heat Flux Past a Cone and a Wedge with Thermal Radiation" in Elsevier on April 1st, 2025. This Scopus-indexed article, published in a Q1-SCIE journal, investigates the physical behavior of gyrotactic microorganisms in the presence of thermal radiation, providing insights into advanced fluid dynamics.



Progress at a Glance

Jan-April 2025



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

EDITORS :

Design Credits :

- 1) Parthana V Bhat
- 2) Pranav Prasanna Krishna
- 3) Samarth Kadam

Content Credits :

- 1) Puneetha S Shankar
- 2) Bonthala Lalith Aditya

Team Lead :

- 1) Ritam Rao

University Campus, RV
Vidyanikathan Post, 8th Mile,
Mysuru Road, Bengaluru-500059

FOR FURTHER INFORMATION MAIL TO
@socse.achievements@rvu.edu.in

 Next edition out
63666 27980 | 99016 41165 | On May, 2025

CONNECT WITH
US ON:

