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**UNIVERSITY**  
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# SOCSE Binary Banner

## 2nd 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**

# SEIZING

Opportunities usually arise unexpectedly, sometimes in the most unexpected manner. For me, it started with a casual social gathering where I encountered an **HR professional from Goldman Sachs' Germany office**. What began as a general discussion on my hobbies and dreams became a turning point in my career. With no background connections or assurances, I seized the opportunity and sold myself on the spot. Two weeks after, I got a callback to proceed with the interviewing process. Five rounds of intensive interviews in, I landed myself in a freelance position as an Assistant Team Manager for the Germany office. My main task was to manage workflow between their teams in Germany and the Bengaluru office in India, ensuring effective communication and an efficient flow of work across borders. Even though the role was temporary, it lasted only two months—it was my first brush with the corporate world and a stepping stone into the go-getting financial arena.

Performing this job required excellent multitasking skills. Coordinating tasks from varying time zones, maintaining inter-departmental communications, and satisfying deadlines needed remarkable organizational skills. I had to acquire the skills to set priorities effectively, deal with multiple streams of work at a time, and be versatile in a dynamic environment. This experience enhanced my skill set to work under pressure and produce results despite the pressures of dealing with several responsibilities.

Although I learned a great deal from this experience, it should be noted that because it was a **freelance job and not a regular job**, I am not allowed to officially list the company name in my professional documents. But the **real value of this experience was the knowledge I acquired**, the relationships I established, and the **exposure to a well-functioning corporate culture**. These facets of the job played a critical role in forming my knowledge of the industry and honing my professional abilities.



# OPPORTUNITIES

~ YASHMEET BAID

A photograph of a person from the side, wearing a white short-sleeved button-down shirt. They are standing on a rocky beach, looking out at the ocean. The water is slightly choppy with white foam on the waves. The sky is overcast. A large, semi-transparent purple graphic shape covers the right side of the image, containing the text.

Upon the conclusion of my freelance career, **Goldman Sachs offered me a part-time job that I could do in conjunction with my university education.** Although it was an attractive prospect, I had to make the **hard decision to turn it down**, as I wished to concentrate on **research and additional skill building**.

I learned a great lesson from this experience—**university freelancing is not only viable but can be a stepping stone to long-term professional development.** It takes **confidence, initiative, and the will to take chances when opportunities come along.** I look back now, still working on **research papers and sharing my skills with the industry, with gratitude and pride.** To all the students who dream of making their own way—**be receptive to opportunities, be bold in your endeavors, and above all, have faith in yourself.** The right opportunity could be just a conversation away.

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EVENTS  
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The Peer-Mentoring Learning Series (PMLS) at RV University was launched on **3rd February 2025** under the coordination of **Prof. Vidya M J** with its first workshop, "**Commit to Cloud: GitHub & Hosting Simplified.**" Organized by **6th-semester BSc (Hons.) Computer Science students**, the session aimed to provide hands-on experience in version control, collaborative development using **GitHub**, and **cloud deployment**.

With **170 registrations and 90 attendees**, the event featured interactive exercises on **GitHub workflows, CI/CD automation, and deploying a React app on Render**. Participants gained practical skills, and the success of this session has encouraged future workshops on advanced DevOps and cloud computing topics.

The **GSoC - Crack the Code: Your Gateway to Google Summer of Code** session was held on **21st February 2025**, in **Satyajit Ray Hall**, organized by the **GDG on Campus Club** under the guidance of **Prof. Aparna R**. The event featured **Sunainha Vijay (3rd Year)** and **Vidhvath J Poojari (2nd Year)** as speakers, who shared their firsthand experiences as successful GSoC contributors. They provided students with a deep understanding of the program, insights into the application process, and strategies to enhance their chances of selection. The session aimed to equip participants with the necessary knowledge and confidence to apply and excel in Google Summer of Code.



The School of Computer Science and Engineering (SoCSE), in collaboration with **1M1B**, organized a **three-day Student Development Program** from **January 28th to 30th, 2025**, coordinated by **Dr. K. Sailaja Kumar**. The sessions covered **Excel, SQL, and Power BI**, focusing on data organization, dashboard creation, and database queries, while **Parth Singh** from **1M1B** conducted an interactive Tableau session on visualization techniques and analytics integration. The event was inaugurated by **Prof. (Dr.) Shobha G. (Dean, SoCSE), Assistant Dean Dr. Merin Thomas, and Program Director Dr. Vidya M. J.**

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**Tarang 2025**, held on the 6th and 7th of February 2025, was a grand celebration of talent, creativity, and diversity. The two-day event brought together 2,500 students from 7 schools, featuring 40+ competitions and performances across various domains.



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The event was digitally inaugurated by **Prof. (Dr.) Sanjay Kumar** and **Dr. Sahana D. Gowda**, who emphasized the importance of extracurricular activities in holistic education. The event saw active involvement from all schools, with **Prof. Sonam V. Manju** serving as the **SPOC from SoCSE**.

**R**



### Capture the flag winners :

**Team Name:** AAAA **Team Members:** Aadya Arun Talreja, Archita Das, Aadya Singh, Amogha V Prasad ( B.Tech 23 Batch)

### Ideathon Winners:

#### IOT Domain:

**Team Name:** Team MnM's **Members:** K Manasa , Nikhita K Nagavar, Misha N Devegowda

#### Data Science:

**Team Name:** Data Dynamos **Members:** Rajesh Somashekhar, Pruthvi DS, Sakshi C

#### Cyber Security:

**Team Name:** Scammers **Members:** Freya Raja, Yashmeet Baid, Ayush, Aadit Pani

#### Solo Dance :

Prarthana V Bhat , Sneha Surendran



### Hackathon winners

**Team Name:** SALT +F4 **Members:** Tulasi Rayasa ,Lohith R Gowda, Sumedha L, Aniket Aladamar

#### BGMI Winners:

Team - Sahil Kumar, Devesh Jain, Bobby SIngh, Sujay Reddy.

#### FIFA Winners

Chaitanya Kabadi

#### Valorants winners

**Team Name :** Team Nazi's

**Members:** Anshit Sachdev, Alaric Sequeira, Denis Paul, Abhay V, Srigiri Saravanan

#### History Rewind :

Pranav Prasanna Krishna , Ritam Rao , Sanjana B , Deeksha Bhargav



**CodeCon 2025**, held on **January 27, 2025, in 501, C block**, was an exciting **one-day programming** competition designed to test and enhance coding skills among Engineering students. The event was organized under the guidance of **Dr. Shobha G** and **Dr. Sudhakar K N**, with **Prof. Sonam V Maju** and **Prof. Ashwini Mathur** as key organizers. The competition had **two rounds—a solo coding challenge followed by a team coding challenge**—where students showcased their problem-solving, analytical thinking, and teamwork skills.



**The Skill Development Programme**, held from **February 3rd to 5th, 2025, in B Block classrooms** aimed to equip first-year **B.Tech students** with essential technical skills.

The sessions focused on **Visualization, Programming, Computer Networks, and Microcontroller**.

The event was inaugurated by **Dr. Suresh Patil** and **Ms. Ritu Sharma**. Organized under the guidance of **Dr. Shobha G** and **Dr. Sudhakar K N**, with contributions from **Prof. Sonam V Maju** and **Prof. Evelyn Vidyulatha**.

**The School of Computer Science and Engineering (SoCSE)** hosted Inspire Research, a workshop on scientific writing, on **31st January 2025**, coordinated by **Dr. Baishali Garai**.

The sessions featured **Prof. (Dr.) Sanjay Kumar's** inaugural address, **Dr. Shobha G's**(Dean, SOCSE) lecture on structuring research papers, and Dr. Baishali Garai's session on technical writing and journal selection. Engaging discussions and an interactive Q&A enriched the experience, equipping participants with essential skills for academic publishing and fostering a strong research culture at SoCSE.





The Two-Day Workshop "Innovate and Elevate", organized by Mr. Lokesh J.K., Assistant Professor, RV University, took place on February 14-15, 2025, Satyajit Rai Seminar Hall. The event featured industry leaders Akshay Joshi (CTO, Dozeesoft), Jharana Vasavada (Director, Infinera), Dr. D. Ranganath (Dean, Placements, RVCE), Prashant Badsheshi (Expert Engineer, HP), and Pranav Verma (Founder, ConnectVerse), each bringing over 20 years of experience to inspire students. Covering AI, Blockchain, and placement insights, the workshop provided a valuable platform for skill-building and industry exposure.

Conducted by **Tata Consultancy Services (TCS)** on **1st and 8th February 2025**, in **3rd Floor ECE Seminar Hall, RVCE**, this workshop provided students with a comprehensive learning experience in Python programming and data analytics. Led by **Mr. Chetan Adhikary**, the sessions were designed to enhance coding skills and data-handling techniques using **NumPy and pandas**. Guided by **Dr. G. Shobha (Dean, SoCSE)**, **Prof. Ranjan Raj**, **Mr. Yash Daga**, and **Mr. Palash Khandelwal**, the interactive sessions encouraged practical application and industry networking.



The School of Computer Science and Engineering at RV University organized a two-day workshop on **Version Control** from **February 20th to 21st, 2025**, in **C Block 101**, RV University. Dr. K Sailaja Kumar, SoCSE, was the event coordinator. The event was inaugurated by **Dr. G Shobha (Dean)** and **Dr. Manish Kumar (Program Director)** and was attended by BCA graduates.

Led by **Rajkumar Muthusamy**, Co-Founder & Senior Technical Architect at Ideas2IT Technologies, the workshop provided hands-on training in **Git, version control best practices, and AI-assisted coding using GitHub Copilot**.



# Faculty & Student Publications



**Dr. CSK Raju and Dr. Vinit Kumar Tripathi** co-authored a Q1 SCIE-indexed research paper titled "**Stability analysis of bidispersive porous convection with maximum density and variable viscosity effects**" in **Physics of Fluids (American Institute of Physics)** on **February 19, 2025**. This study explores the stability dynamics of fluid flow in porous media, contributing to advancements in heat and mass transfer analysis. The journal is ranked among the top 4 % in the field.

**Dr. Rammohan Bhanumurthy** published a Q1 SCIE-indexed research paper titled "**Performance and life analysis of Lithium-ion batteries aided by data-driven analysis**" in the **International Journal of Mechanical System Dynamics (Wiley)** on **February 18, 2025**. The study leverages data-driven techniques to assess and enhance the efficiency and longevity of Lithium-ion batteries, contributing to advancements in energy storage technology.



**Dr. Ramesh S** published a high-impact research paper titled "**Synthesis and Characteristics of Fe/Ni/Cr Oxide Nanoparticles/PLA Hybrid Composite Coatings on Mg-Zn-Ca Alloy**" in the **Journal of Materials and Technology (Elsevier)**. This **Q1 SCI-indexed** publication, with an impact factor of 6.2, explores advanced composite coatings for magnesium alloys, contributing to materials science and biomedical applications.

**Dr. C.S.K. Raju** published two **Q1 SCIE-indexed** research papers on advanced heat transfer studies. The first, "**Optimizing thermal performance of water-based hybrid nanofluids with magnetic and radiative effects over a spinning disc**," was published in **Chemometrics and Intelligent Laboratory Systems (Elsevier)** on **February 2, 2025**, exploring nanofluid applications for industrial and engineering systems. The second, "**Deep neural network-based prediction and computational fluid dynamics analysis of convective heat transfer in dusty fluid flow over a heated surface**," was published in **Physics of Fluids (American Institute of Physics)** on **February 6, 2025**. This study integrates deep learning and computational fluid dynamics to enhance heat transfer predictions and is ranked among the top 4% of journals in the field.

**Dr. Ashutosh Tiwari** published a **Q1 SCIE-indexed** research paper titled "**Two-stage type-2 fuzzy parabolic double frontier data envelopment analysis**" in the journal **Engineering Applications of Artificial Intelligence (Elsevier)** on **February 1, 2025**. With an impact factor of 7.5, the paper explores advanced fuzzy logic models for efficiency evaluation in AI-driven systems.

**Dr. P. Karthikeyan** contributed to the book "**Future Innovations in the Convergence of AI and Internet of Things in Medicine**" published by **IGI Global** in **January 2025**. This Scopus-indexed publication explores the transformative impact of AI and IoT in healthcare, highlighting advancements in smart medical technologies and patient care.

**Dr. Harish H** published a Q2 SCIE-indexed research paper titled "**Experimental and prediction analysis of separating blast furnace slag in the vibratory separator**" in **Canadian Metallurgical Quarterly (Taylor & Francis)** on **February 16, 2025**. With an impact factor of 1.4, the study focuses on optimizing slag separation techniques using vibratory systems for improved metallurgical processes.

**Ananya S**, along with faculty members **Suresh N** and **Dr. Phani Kumar Pullela**, published a Scopus-indexed research paper titled "**Revolutionizing Healthcare: The Impact of Artificial Intelligence on Precision Diagnoses and Patient Outcomes**" in **IEEE Xplore** on **February 25, 2025**. The study explores how AI-driven innovations enhance diagnostic accuracy and improve patient care, marking a significant step in the integration of AI into healthcare.





1. Dr. P. Karthikeyan was a panelist at **Bangalore Design Week 2025**, on 30th January 2025, discussing "Ethics and Design in the Age of AI," focusing on privacy, bias, and AI accountability. He represented RV University and emphasized responsible AI integration.
2. On February 12, 2025, Dr. Karthikeyan was the Chief Guest at **Nandha Arts and Science College, Erode**, where he delivered a keynote on AI's future and engaged with students in various activities.

# Academic activities



**Dr. Thotreithem Hongray**, coordinator for the Minor Program in Robotics and Industrial Automations, delivered an invited talk at the International Convocation Series on Applied Science and Technology (ICAST) on January 30, 2025. Held online by **Cagayan State University, Philippines**, his session on "Bridging Academia and Industry" highlighted the importance of collaboration between academia and industry to drive innovation and address real-world challenges in applied science and technology.

**Dr. CSK Raju** participated in the **Doctoral Committee Review of Miss Tanishqa Shivaji Veer on February 6, 2025, at 3:00 PM**, organized online by **Dr. Vishwanath Karad MIT World Peace University, Pune**. He provided insights and guidance on **Miss Veer's doctoral research**, aiding in its academic evaluation. **On January 31, 2025, Dr. Raju served as a BOE member and External Examination Scrutiny at the Department of Mathematics, REVA University, Bangalore**. He contributed to the review and evaluation of examination processes, ensuring academic standards and integrity.



**Prof. Ashwini Prasad S** served as an **external examination reviewer on February 21 and 22, 2025**, at the **Department of Computer Applications, National College, Basavanagudi, Bangalore**. During this role, **Prof. Ashwini Prasad** contributed to the assessment and evaluation of the examination process, ensuring academic standards and integrity within the department's examination procedures.

During this role, **Prof. Prasad** contributed to the assessment and evaluation of the examination process, ensuring academic standards and integrity within the department's examination procedures.

**Dr. Baishali Garai** delivered a plenary lecture at the **International Convocation Series on Applied Science and Technology (ICAST) on January 30, 2025**, hosted online by **Cagayan State University, Philippines**. Her talk on "**Bridging Academia and Industry**" emphasized the importance of collaboration to drive innovation and address real-world challenges. **On February 17, 2025, Dr. Garai** participated in the **Doctoral Committee Review for three students at REVA University**, providing feedback to help advance their research.



# BKU NLP++ Workshop Connections with Students Collaboration

The Workshop on NLP++, organized in collaboration with the Natural Language Understanding Global Initiative (NLU Global Initiative), USA, on February 11th, 2025 in A block, 003, provided hands-on training in rule-based NLP applications.

Led by **Prof. David de Hilster**, Adjunct Professor at Northeastern University and an expert in AI, supercomputing, and enterprise NLP solutions, the workshop offered in-depth insights into NLP++ and its real-world applications.

Coordinated by **Mr. Muraidhar Billa**, **Dr. Merin Thomas**, **Dr. Shobha S**, and **Dr. Sailaja Kumari**, the sessions covered live demos, project proposals, and NLP++ integration with Python, empowering students with practical skills in computational linguistics.

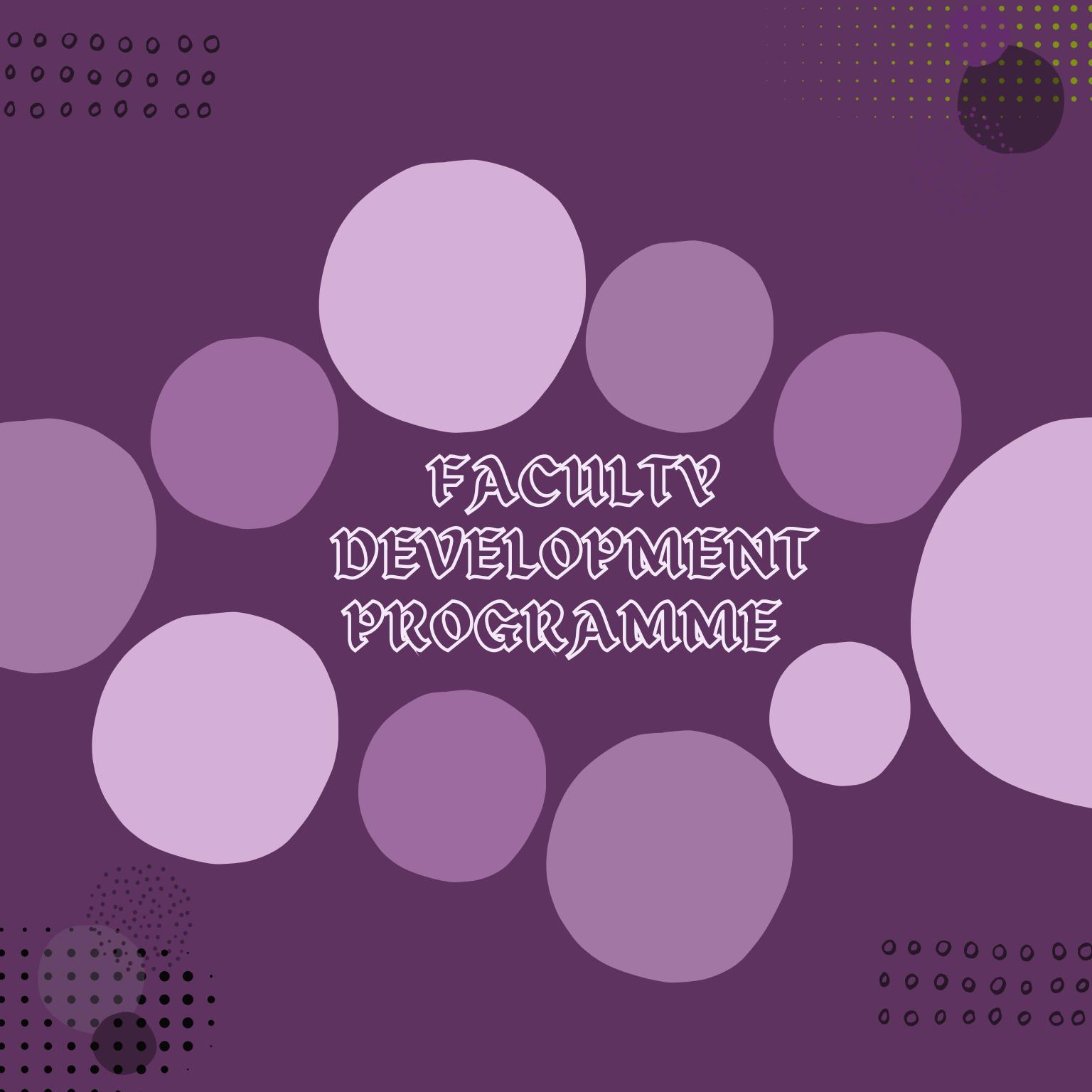




### MOU between RVU and Shri Patanjali Yoga Jeeva Darshana Trust

RV University signed a Memorandum of Understanding (MoU) with **Shri Patanjali Yoga Jeeva Darshana Trust on 27th January 2025**. Facilitated by **Dr. Vidya M J**, this collaboration aims to promote academic and research initiatives in yoga, wellness, and holistic development.

கொல்லாப்பார்வதி நினைவு மூலம்  
நிதியாளிக்கூடம் - நாதாநாலி எழவு  
இன்றையத்தை விரைவில் விடுவும் மனம்



# FACULTY DEVELOPMENT PROGRAMME



### Dr. Ramesh S

**Dr. Ramesh S** delivered a series of sessions on "**Emerging Innovations and Challenges in Modern Data Analytics Applications**" from **January 20 to January 25, 2025**, in online mode at **Mahatma Gandhi Institute of Technology, Hyderabad**. Following this, he participated in another session on "**Advanced Materials for Defence and Aerospace Applications**" from **January 27 to February 1, 2025**, held in online mode at **Ballari Institute of Technology**. These sessions focused on the latest advancements in their respective fields, highlighting key innovations and challenges in data analytics and materials for defense and aerospace applications.



### Asst. Prof. Harish KR

Asst. Prof. Harish K R conducted a session on "**Inculcating Universal Human Values in Technical Education**" from **January 20 to January 24, 2025**, in online mode, organized by AICTE. The session focused on the **importance of integrating universal human values into technical education**, emphasizing the role of ethical principles and social responsibility in shaping well-rounded professionals in the technical field.



### Asst. Prof. Chidhanand RS

Asst. Prof. Chidhanand R S participated in the **Invest Karnataka** event organized by the **Government of Karnataka** on **February 13, 2025**. The event focused on fostering investment opportunities and promoting the state's growth in various sectors, where **Prof. Chidhanand** contributed to discussions on advancing technology and innovation in Karnataka. Connections were also made with **two 3D manufacturing companies for potential lab requirements and industry visits**, as well as with Supple Pack for student projects requiring moulding for component body parts.

**Prof. Ashwini Prasad S** delivered a session on "Foundations of Intelligent Systems: ML & DL Essentials" on February 22, 2025, in online mode at the **Department of Computer Applications, Oxford College of Science, Bangalore**. The session focused on the fundamental concepts of **Machine Learning (ML) and Deep Learning (DL)**, providing key insights into their applications and importance in the development of intelligent systems.

**Asst. Ashwini Prasad**



**Dr. Merin Thomas** participated as an attendee in the online session on "Generative AI and Use Cases", organized jointly by the **Ministry of Electronics and Information Technology, Government of India, and the Electronics & ICT Academy**. The session, held from January 11 to February 2, 2025 (8 days), was led by **Prof. Richi Nayak, Deputy Director, Centre for Data Science, School of Computer Science, Faculty of Science, Queensland University of Technology, Brisbane, Australia**. The session focused on the applications of generative AI and its potential use cases across various fields.

**Dr. Merin Thomas**



**Prof. Manasa HC**, served as an attendee for the online session on "Generative AI and Use Cases," organized by the **Ministry of Electronics and Information Technology, Government of India, and the Electronics & ICT Academy**. Held from January 11 to February 2, 2025, the session was led by **Prof. Richi Nayak, Deputy Director at Queensland University of Technology, Brisbane, Australia**. It focused on exploring the applications and use cases of generative AI across various fields.

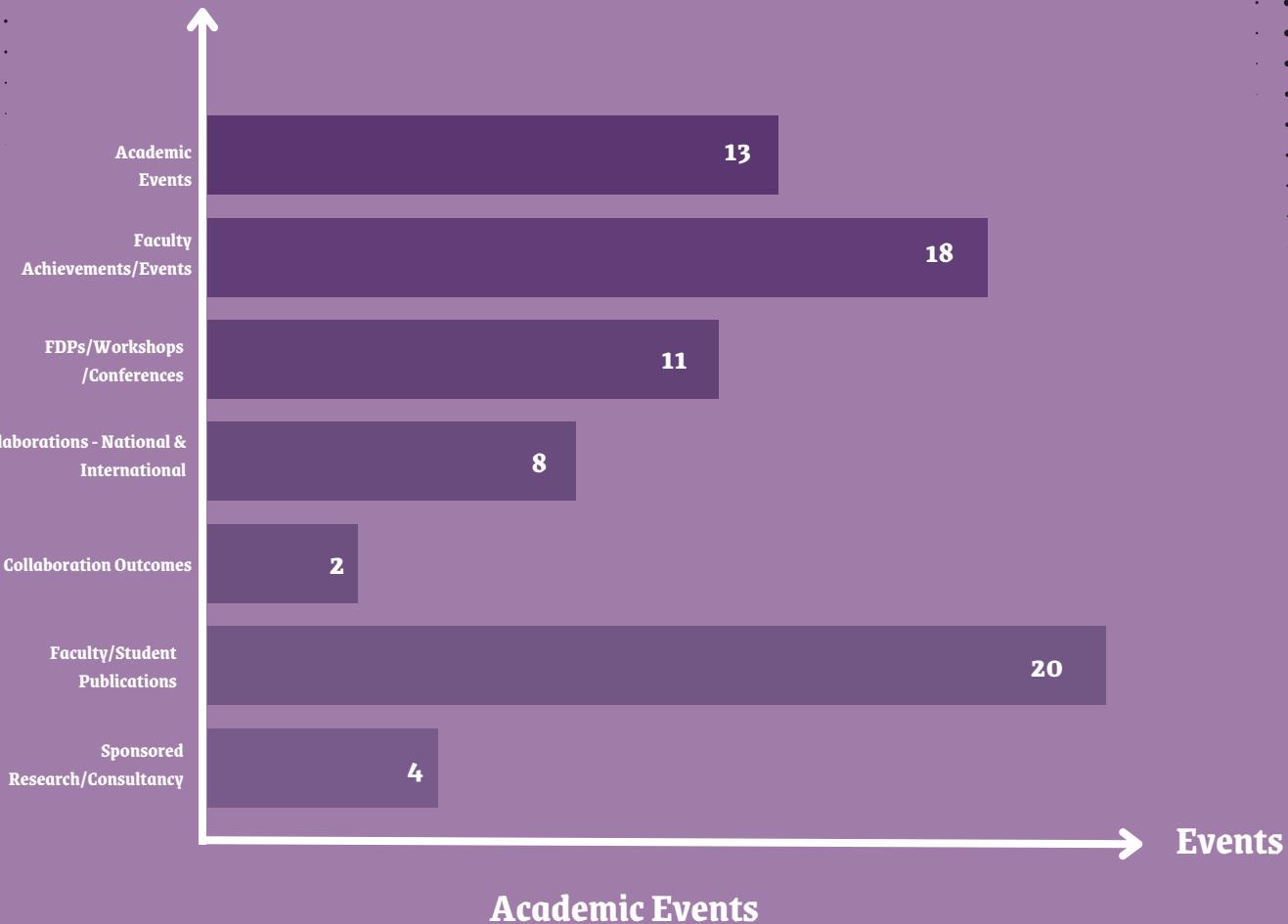
**Prof Manasa HC**



# Progress at a Glance

## February month

### Events



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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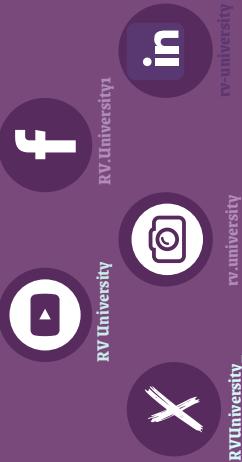
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