

# Prof. Samatha R Swamy

#3075, Maple Block, "SOBHA FOREST VIEW", Hosahalli, Vajarahalli Main Road, Bengaluru – 560109  
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## CAREER OBJECTIVE

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Having 15 years of experience as an academic professional, with expertise in teaching, research, and academic administration, committed to advancing scholarly outcomes, student development, and institutional excellence.

## EDUCATION

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- Doctor of Philosophy—Ph.D. (Thesis Submitted)** 2026  
Computer Science and Engineering (CSE)  
Area of Research: Artificial Intelligence and Machine Learning (AIML)  
Visvesvaraya Technological University (VTU), Belagavi
- Master of Technology—M.Tech (CSE)** 2012  
First Class with Distinction in Computer Engineering  
Specialization: Computer Networks, Gate Qualified in 2008  
Sri Jayachamarajendra College of Engineering (SJCE), Mysuru  
Visvesvaraya Technological University (VTU), Belagavi
- Master of Science—M.Sc.(IT)** 2006  
First Class with Distinction in Information Technology  
Vidyavardhaka College of Engineering, Mysuru  
Karnataka State Open University (KSOU), Mysuru
- Bachelor of Engineering - B.E(ISE)** 2005  
Information Science and Engineering  
Vidya Vikas Institute of Engineering & Technology, Mysuru  
Visvesvaraya Technological University (VTU), Belagavi

## EXPERIENCE

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- Assistant Professor** *July, 2023 - Present*  
Dept. of Information Science and Engineering  
RV Institute of Technology and Management (RVITM), Bengaluru
- Assistant Professor** *December, 2022 - July 2023*  
Dept. of Information Science and Engineering  
Dayananda Sagar Academy of Technology and Management (DSATM), Bengaluru
- Assistant Professor** *March, 2015 - December 2022*  
Dept. of Computer Science and Engineering  
Peoples Education Society University (PESU), RR Campus, Bengaluru
- Lecturer** *July, 2012 - November 2013*  
Dept. of Information Science and Engineering  
ACS College of Engineering (ACSCE), Bengaluru

**Lecturer**  
Dept. of Information Science and Engineering  
Atria Institute of Technology (AIT), Bengaluru

*July, 2011 - June 2012*

**Lecturer**  
Dept. of Information Science and Engineering  
Rashtreeya Vidyalaya College of Engineering (RVCE), Bengaluru

*June, 2007 - January 2008*

**Lecturer**  
Dept. of Information Science and Engineering  
Geetha Shishu Shikshana Sangha Institute of Engineering & Technology for Women  
(GSSSIETW), Mysuru

*Sep, 2005 - January, 2007*

## RESEARCH EXPERIENCE

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|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Publications:</b>                           | 30 (National Journals - 10; International Journals - 7<br>International Conference Papers - 11; Chapter Series - 02)    |
| <b>Books:</b>                                  | 01                                                                                                                      |
| <b>Patents:</b>                                | 04 (Grant-01; Published-03)                                                                                             |
| <b>Book Chapters:</b>                          | 01                                                                                                                      |
| <b>Industry Projects:</b>                      | Completed - 01; Ongoing - 01                                                                                            |
| <b>Google Scholar ID:</b>                      | 6wVURUMAAAAJ                                                                                                            |
| <b>ORCID ID:</b>                               | 0000-0003-1250-7362                                                                                                     |
| <b>Scopus ID:</b>                              | 57221599053                                                                                                             |
| <b>Google Scholar Citations:</b>               | 96 Citations; h-index-6; i10-index-3                                                                                    |
| <b>IRINS Profile URL:</b>                      | <a href="https://rvitm.irins.org/profile/395118">https://rvitm.irins.org/profile/395118</a>                             |
| <b>ResearchGate ID:</b>                        | <a href="https://www.researchgate.net/profile/Samatha-Swamy-2">https://www.researchgate.net/profile/Samatha-Swamy-2</a> |
| <b>Reviewer for peer-reviewed conferences:</b> | 10                                                                                                                      |

## RESEARCH PUBLICATIONS (JOURNALS — 17)

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1. The research journal paper titled **“A Multi-Level Multi-Sensor Data Fusion Framework Using Hybrid Machine Learning for Knowledge Mining”** has been accepted for publication in the Journal of Cybernetics and Information Technologies (CIT). (**Scopus Indexed Q2 Journal Accepted**)
2. Chaya P, Swamy SR, Nayak MM, Padmapriya HN, Geetha AL, Jeevitha HM. **”A Machine Learning-Driven Automated System for Accurate Disease Prediction and Personalized Ayurvedic Drug Recommendation in Digital Healthcare”**. Int J Drug Deliv Technol. 2026;16(35s): 531-540 (**Scopus Indexed Q3 Journal**).  
**DOI:** <https://doi.org/10.252528/ijddt.16.35.60>
3. The journal paper titled **“Decision-Enhanced Hierarchical Feature Fusion for Accurate Human Activity Recognition”** authored by Samatha R. Swamy and Nandini Prasad K is accepted for publication in the International Journal of Intelligent Engineering and Systems (IJIES) and will be published online with ISSN: 2185-3118. (**Scopus Indexed Q2 Journal**).  
**DOI:** <https://doi.org/10.15680/IJIRSET.2024.1308107>
4. Samatha R Swamy, K S Nandini Prasad, R Sunitha (June 2025), **”Enhancing Human Motion Recognition Through Multi-Sensor Data Fusion and Deep Learning for Smart Decision Support Systems”**, International Information and Engineering Technology Association (IIETA), Vol. 30, Iss. 6, (Jun 2025): 1621-1628(**Scopus Indexed Q3 Journal**).  
**DOI:** <https://doi.org/10.18280/isi.300620>

5. K. A. Ankith, Rao. P. Aditi, D. P. Anusha, S.R. Samatha (August 2024). **"Market Analysis of Crop Price Prediction"**, International Journal of Innovative Research in Science, Engineering, and Technology, Volume 13, Issue 8.  
DOI: [https://www.ijirset.com/upload/2024/august/107\\_Market.pdf](https://www.ijirset.com/upload/2024/august/107_Market.pdf)
6. The research paper titled **"Hinglish-to-English Translation using NLP and Machine Learning Techniques"** authored by Aditya Singh, Aiman Sabah, Apeksha Jawali, Gyanada Muvvala, and Prof. Samatha R. Swamy has been accepted at the International Conference on Digital Technology and Engineering (ICDTE-2025), held at RV Institute of Technology and Management, Bengaluru, on 17 October 2025, and will be published in Indiana Publications. (National Journal Accepted)
7. Swamy, S. R., Singh, P. K., Bajpai, P., Rakaraddi, A. S., & Sachin, D. (July 2024). **"Early Age Heart Disease Prediction: A Comprehensive Survey"**. Indiana Journal of Multidisciplinary Research, 4(3), 198-204. (National Journal)  
DOI: <https://doi.org/10.5281/zenodo.12679792>
8. Swamy, S. R., Lochan, R., & Saha, M. (July 2024). **"From Data to Diagnosis: Harnessing NLP in Clinical Document Understanding"**. Indiana Journal of Multidisciplinary Research, 4(3), 223-228. (National Journal) DOI: <https://doi.org/10.5281/zenodo.12680106>
9. Swamy, S. R., Saha, M., & Lochan, R. (July 2024). **"Advancements in Energy Consumption Forecasting: A Comprehensive Survey"**. Indiana Journal of Multidisciplinary Research, 4(3), 229-233. (National Journal)  
DOI: <https://doi.org/10.5281/zenodo.12685152>
10. Swamy, S. R., Singh, S., & Sayeeda, B. (July 2024). **"Transformative Potential of Large Language Models in Healthcare: A Comprehensive Review and Analysis"**. Indiana Journal of Multidisciplinary Research, 4(3), 234-238. (National Journal)  
DOI: <https://doi.org/10.5281/zenodo.12685238>
11. Swamy, S. R., Suraj, K., & Uthpala, V. S. (July 2024). **"NeuroAI Nexus: Exploring the Convergence of Artificial Intelligence and Neuroscience for Enhanced Diagnosis of Neurological Disorders"**. Indiana Journal of Multidisciplinary Research, 4(3), 239-243. (National Journal)  
DOI: <https://doi.org/10.5281/zenodo.12685347>
12. Swamy, S. R., Harini, S., & Sanjana, A. (July 2024). **"Predictive Analytics for Liver Cirrhosis: Leveraging Machine Learning to Enhance Early Detection and Intervention"**. Indiana Journal of Multidisciplinary Research, 4(3), 248-253. (National Journal)  
DOI: <https://doi.org/10.5281/zenodo.12685527>
13. Swamy, S. R., Pushpa, G., Gowda, M. G. R., Raghuram, S., & Chiranth, P. (July 2024). **Comprehensive Approach to Drone-Based Number Plate Recognition Using Python**. Indiana Journal of Multidisciplinary Research, 4(3), 254-257. (National Journal)  
DOI: <https://doi.org/10.5281/zenodo.12685570>
14. Swamy, S. R., Rajgoli, S. R., & Hegde, T. (July 2024). **"Stock Market Prediction with Machine Learning: A Comprehensive Review"**. Indiana Journal of Multidisciplinary Research, 4(3), 265-271. (National Journal)  
DOI: <https://doi.org/10.5281/zenodo.12685839>
15. Swamy, S. R., Harini, S., & Reddy, P. K. (July 2024). **"Predictive Modelling of Air Quality Index for Environmental Forecasting: Integrating Environmental Data Analysis"**. Indiana Journal of Multidisciplinary Research, 4(3), 272-277. (National Journal)  
DOI: <https://doi.org/10.5281/zenodo.12685945>

16. Amreen Ayisha M, Ankit Kumar, Gasti Harshini, Keerthana S, Mrs. Samatha R Swamy, "**Privacy Preservation using Deep Learning Methods**", International Journal of Scientific Research in Engineering and Management (IJSREM) on Volume 07, Issue 04, April 2023.  
**DOI:** <https://doi.org/10.55041/IJSREM18680>
17. Sujay C V, Suhas G R, V K Sunidi, Varuni V, Mrs. Samatha R Swamy, "**Design of Smart Goggle For Visually Impaired with Audio Features**", International Journal of Advanced Research in Computer and Communication Engineering(IJARCCE), India. Vol. 12, Issue 4, April 2023.  
**DOI:** <https://ijarcce.com/wp-content/uploads/2023/05/IJARCCE.2023.124204.pdf>

## RESEARCH PUBLICATIONS (CONFERENCES — 11)

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1. S. R. Swamy, N. Ramesh, I. P. Torke, H. S. B. L, and H. P. Hande, 'Climate Change Impacts on Food Supply in India with Machine Learning Predictions', in 2025 9th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), 2025, pp. 1–6.  
**DOI:** <https://doi.org/10.1109/CSITSS67709.2025.11295844>
2. S. S. Rao, P. N. Aithal, R. Harish, A. Patil and S. R Swamy, "OncoPath: AI-Driven Breast Cancer Tumor Detection and Personalized Treatment Prediction Using Deep Learning and Clinical Guidelines," 2025 International Conference on Emerging Technologies in Computing and Communication (ETCC), Bengaluru, India, 2025, pp. 1-6.  
**DOI:** <https://doi.org/10.1109/ETCC65847.2025.11108470>
3. S. R. Swamy, S. S. Dengi, S. Gupta, S. Nayak and T. G. H D, "Neural Network-Based Image Captioning," 2025 International Conference on Emerging Technologies in Computing and Communication (ETCC), Bengaluru, India, 2025, pp. 1-6.  
**DOI:** <https://doi.org/10.1109/ETCC65847.2025.11108389>
4. N. S. Kavitha, P. P. Barmola, S. R. Swamy, N. Aamer, V. Dinesh, and P. H. N, 'AI-Enhanced Robotics in Healthcare: Transforming Diagnosis and Treatment', in 2025 International Conference on Frontier Technologies and Solutions (ICFTS), 2025, pp. 1–7.  
**DOI:** <https://doi.org/10.1109/ICFTS62006.2025.11031600>
5. N. Prasad, S. R. Swamy, H. Deepanjali, A. Aryan, A. Kishore, and A. Karan, 'Design and Development of AI - IoT Based Smart Helmet to Ensure Safe Driving', in 2025 International Conference on Knowledge Engineering and Communication Systems (ICKECS), 2025, pp. 1–6.  
**DOI:** <https://doi.org/10.1109/ICKECS65700.2025.11036017>
6. M. Chaturvedi, S. J. Ram, S. S. Shingade, and S. R. Swamy, 'From Monolith to Microservices: A Systematic Literature Survey', in 2024 IEEE 3rd International Conference on Data, Decision and Systems (ICDDS), 2024, pp. 1–6.  
**DOI:** <https://doi.org/10.1109/ICDDS62937.2024.10910708>
7. S. R. Swamy and K. S. Nandini Prasad, 'Revolutionizing Healthcare Intelligence Multisensory Data Fusion with Cutting-Edge Machine Learning and Deep Learning for Patients' Cognitive Knowledge', in 2024 International Conference on Knowledge Engineering and Communication Systems (ICKECS), 2024, vol. 1, pp. 1–7.  
**DOI:** <https://doi.org/10.1109/ICKECS61492.2024.10616464>

8. S. R. Swamy and N. P. Ks, 'Hybrid Machine Learning Model for Early Discovery and Prediction of Polycystic Ovary Syndrome', in 2022 Second International Conference on Advanced Technologies in Intelligent Control, Environment, Computing Communication Engineering (ICATIECE), 2022, pp. 1–8.  
**DOI:** <https://doi.org/10.1109/ICATIECE56365.2022.10047488>
9. R. Archana, C. Vaishnavi, D. S. Priyanka, S. Gunaki, S. R. Swamy, and P. B. Honnavalli, 'Remote Health Monitoring using IoT and Edge Computing', in 2022 International Conference on IoT and Blockchain Technology(ICIBT), 2022, pp. 1–6.  
**DOI:** <http://dx.doi.org/10.1109/ICIBT52874.2022.9807710>
10. H. Ashish and Hukkeri, Sanjana and Malage, Ritu V. and Swamy, Samatha R. and Honnavalli, Prasad B, **Estimation of Engagement of Learners in MOOCs using Smart Visual Processing** (July 11, 2021). Proceedings of the International Conference on Innovative Computing & Communication (ICICC) 2021.
11. S. R. Swamy, K. S. Nandini Prasad, and P. Tripathi, 'Smart Home Lighting System', in 2020 International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC), 2020, pp. 75–81.  
**DOI:** <http://dx.doi.org/10.1109/ICSIDEMPC49020.2020.9299585>

## RESEARCH PUBLICATIONS (BOOK CHAPTER SERIES - 2)

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1. The research paper titled **“Time Series Prediction of Stock Market Trends Using ML Models”**, authored by Prof. Kavitha K. N., Prof. Samatha R. Swamy, Pooja Chandana B. N., Noor Fathima A. I., Smriti R. Bavagi, Saloni, and Soujanya Upase, has been accepted at the International Conference on Digital Technology and Engineering (ICDTE-2025), held at RV Institute of Technology and Management, Bengaluru, on 17 October 2025, and will be published in the **Springer Book Series (IoT & Communication)**.
2. N. Singh, A. Shyam, S. R. Swamy, and P. B. Honnavalli, **“Differential Privacy in NoSQL Systems”**, in **Data Science and Security**, Singapore: Springer Singapore, 2021, pp. 374–384.  
**DOI:** [https://doi.org/10.1007/978-981-16-4486-3\\_42](https://doi.org/10.1007/978-981-16-4486-3_42).(Springer Book Series)  
**DOI:** <https://dx.doi.org/10.2139/ssrn.3884503>

## PATENTS - 04; PUBLISHED-03; FILED-01

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1. A patent application was filed in April 2026 titled **“Smart Device for Detection of Forest Fires”**.  
Status: Filed and under examination.
2. Published an Indian utility patent titled **“Adaptive Multisensor Data Fusion Framework for Personalized Remote Health Monitoring and Emergency Prediction”** on 03 October 2025 (**Application No. 202541086027**).  
Status: Published and under examination.
3. Published an Indian patent titled **“Vision Transformer-Based Recognition System to Protect Farmers and Increase the Nation’s Economy”** on 04 September 2024 (**Application No. 202441067020**).  
Status: Published and under examination.
4. Published an Indian patent titled **“Performance Evaluation of Computer-Aided Detection and Diagnosis System for Tumor Using Big Data Analytics”** on July 2023 (**Application No. 202341039939**).  
Status: Published and under examination.

## RESEARCH PUBLICATIONS (BOOK CHAPTERS - 01)

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A book chapter titled ‘Training Healthcare Professionals in XAI: Educational Frameworks’ has been accepted on December 11, 2025, for inclusion in the book ‘**Exploring Generative AI with Computational Intelligence: Navigating the Uncertainty of Creative Machines (EGACI)**’, to be published by **CRC Press, Taylor & Francis Group**.

## RESEARCH PUBLICATIONS (BOOKS - 01)

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- Editor of the book entitled “The Basics of Robotics,” published by John Wiley & Sons, contributing to intelligent, IoT-enabled robotic automation systems.

## INDUSTRY PROJECTS - 02

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- Guiding of research internship projects for information science and engineering students has been conducted in collaboration with Sensesemi Technologies Private Limited, Bengaluru, as part of the Memorandum of Understanding (MoU) established with RVITM.
  1. Internship focused on the AI/ML domain, specifically working on Keyword Spotting (KWS) from audio streams on ARM-based SoC chips, utilizing PyTorch and ExecuTorch Research Project.
  2. Internship focused on the AI/ML domain, where they worked on the Iris-Pupil Ratio Detection Research Project.
- Guiding of research internship projects for information science and engineering students has been conducted in collaboration with Forus Industry, Basavangudi, as part of the consultancy project with RVITM.

## TECHNICAL SKILLS

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|---------------------------|--------------------------------------------------------------------------------------------------|
| <b>Language</b>           | C, C++, Java, Python, Latex                                                                      |
| <b>Domain of Interest</b> | Machine Learning, Deep Learning, Reinforcement Learning, Artificial Intelligence, Generative AI. |

## LIST OF CERTIFICATIONS RECEIVED

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1. NVIDIA Certificate - Fundamentals of Deep Learning - Credential ID 1tO0Ys3ITkGJkXM3sgBKrQ
2. Coursera Certificate - Data Visualization in Tableau: Create Dashboards and Stories - Credential ID WJXHW4N9NL5K
3. Coursera Certificate - Deep Learning with PyTorch : Image Segmentation - Credential IDD7S5JPJFUVQI <https://www.coursera.org/account/accomplishments/verify/D7S5JPJFUVQI>
4. Coursera IBM Certificate—Introduction to Artificial Intelligence (AI) - Credential ID CHZ9I58NjX8O
5. Coursera Edureka Certificate—Use Tableau for your Data Science Workflow - Credential ID WX7P9J9OVLJR

## ADDITIONAL ROLES SERVED

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1. Working as RVITM Dept Level Coordinator for Infosys Springboard Platform.
2. Working as RVITM Dept Level Coordinator for InventX – RV’s Flagship Entrepreneurship.
3. Working as RVITM Dept Level Coordinator for Student Life Cycle Management (SLCM) Platform.

4. Working as RVITM Dept Level VTU coordinator for skill development and MOOC.
5. Working as RVITM College Level Coordinator for AIML Club named "KRONOS".
6. Worked as a time table officer, project coordinator, student faculty advisor, alumni coordinator, infrastructure coordinator, cultural coordinator, and digital deliverables coordinator.
7. Worked as a subject/course anchor for various UG core and elective subjects: Artificial Intelligence and Machine Learning, Object-Oriented Modeling and Design, Introduction to Operating Systems, Social Network Analysis, Unix System Programming, Introduction to Python Programming, Principles of C Programming, and Blockchain Technologies.
8. Prepared lab manuals and worked as a Lab In charge of different UG Labs: Machine Learning Lab, Object-Oriented Modeling and Design Lab, Introduction to Operating Systems Lab, Unix System Programming Lab, Introduction to Python Programming Lab, Blockchain Technology, and Principles of C Programming Lab.
9. Special Topic (MOOC courses) Subject Coordinator Blockchain Technologies (NPTEL) and Blockchain and Money (MIT)
10. Arranged guest lectures for UG core and elective subjects.
11. Handled online and offline PESU Executive M.Tech courses in Cybersecurity, Introduction to Operating Systems (IOS), and Unix System Programming (USP) theory and lab sessions.
12. Associated with coordinating in documenting NAAC, AICTE, and IQAC files.
13. Associated with preparing digital learning materials for core subjects: Artificial Intelligence and Machine Learning, Object-Oriented Modeling and Design, Introduction to Operating Systems, Unix System Programming, Blockchain Technology, Introduction to Python Programming (IPP), Principles of C Programming (PSCP), and Social Network Analysis.
14. Associated with the Center of Excellence in IoT, DSATM,
15. Associated with the Center of IoT (CIOT), PES University.

## HONORS AND AWARDS

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1. Authored 17 Poster Presentations for the "2nd National Conference Digital Technology and Engineering - 2024," conducted by the CSE Dept., RV Institute of Technology and Management, Bengaluru, held on 2nd and 3rd, May 2024. The authored poster presentation "AI-BASED DEMOGRAPHIC ANALYSIS FOR CORE ELECTORAL PROCESS" won the Best Poster Presentation Award.
2. Authored 9 National Conference Research Papers for the "2nd National Conference Digital Technology and Engineering - 2024", conducted by the CSE Dept, RV Institute of Technology and Management, Bengaluru, held on 2nd and 3rd, May 2024. The authored Paper Presentation "STOCK PRICE PREDICTION" won the Best Paper Presentation Award.
3. The Department of ISE at Dayananda Sagar Academy of Technology and Management (DSATM), Bengaluru was awarded the ESPERANZA Trophy Cup during my role as ISE Dept Cultural Coordinator recognizing my efforts in organizing and leading cultural activities in July 2023.
4. Awarded Best Paper Award for the conference paper "Hybrid Machine Learning Model for Early Discovery and Prediction of Polycystic Ovary Syndrome" submitted at the 2nd International Conference on Advanced Technologies in Intelligent Control, Environment, Computing, and Communication Engineering [ICATIECE-2022] held at DSATM, Bengaluru, December 2022.

5. Participated and selected as Quarter Finalist in Swadeshi Microprocessor Challenge 2020 for a drone idea presentation.
6. Secured GATE SCORE of 198 in GATE-2008.

## PROFESSIONAL MEMBERSHIP DETAILS

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- IEEE Graduate Student Membership: Member ID 96530492, Bengaluru Section

## INDUSTRIAL VISIT - 02

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- Organized a professional industrial visit to the "Infosys Mysuru Campus" for Information Science and Engineering (ISE) Department students, following their successful completion of certifications from the InfySpringboard platform at RV Institute of Technology and Management, Bengaluru, on July 19th, 2024.
- Organized a professional industrial visit for Information Science and Engineering (ISE) Department students of RV Institute of Technology and Management, Bengaluru, to the U R Rao Satellite Centre (ISRO) Exhibition on May 8th, 2026.

## EVENTS ORGANIZED

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1. Scheduled an Alumni Talk on "Navigating the Campus-to-Corporate Path: Learning and Placement Strategies" on 13th March 2026, facilitating knowledge sharing on career readiness, industry expectations, and placement strategies for students.
2. Conducted a department-level technical session on SLCM for RVITM ISE Department faculty on February 17, 2026, providing hands-on guidance on attendance management and academic record updates.
3. Organized an Alumni Talk on "Campus to Corporate: Learning Lessons and Placements" on 10th September 2025, facilitating knowledge sharing on career readiness, industry expectations, and placement strategies for students.
4. Served as a Member of the Organizing Committee for the International Conference on Digital Technology and Engineering (ICDTE-2025), organized by RV Institute of Technology and Management, Bengaluru, held on 16–17 October 2025.
5. Organized & Conducted the Technical Staff Training Program on "Infosys Springboard Technical Courses & Learning Pathways," on December 1st, 2025, under the Department of Computer Science Cluster, RVITM.
6. Conducted a two-day hands-on workshop titled "Mastering AI Tools Techniques for Real-World Applications" on March 21–22, 2025, organized by the Department of Information Science and Engineering at RV Institute of Technology and Management (RVITM).
7. Organized & Conducted the National Level Inter-Collegiate 24-Hrs Hackathon "FANTOMCODE 25", conducted by the ISE Dept, RV Institute of Technology and Management(RVITM), Bengaluru, held on 11th and 12th, April 2025.
8. Coordinated for the National Level Inter-Collegiate 24-Hrs Hackathon "FANTOM CODE 24", conducted by the ISE Dept, RV Institute of Technology and Management, Bengaluru, held on 16th and 17th, May 2024.
9. Coordinated from the ISE Department for the "2nd National Conference on Digital Technology and Engineering - 2024," conducted by the CSE Dept, RV Institute of Technology and Management,

Bengaluru, held on 2nd and 3rd, May 2024. Guided and authored 9 national conference research papers.

10. Coordinated for the "3-Day Faculty Development Program on Cyber Security" organized by the Dept of ISE, RV Institute of Technology and Management, Bengaluru, from 1st April to 3rd April 2024.
11. Conducted a "Hands-On Session on Internet of Things (18CS81)" for the 8th semester students of ISE Dept, Dayananda Sagar Academy of Technology and Management (DSATM), Bengaluru, on 9th May 2024.
12. Coordinated in the State Level Project Exhibition for the "PROTATVA-2024" conducted by the ISE Dept, RV Institute of Technology and Management, Bengaluru, held on 24th April 2024.
13. Conducted the IBM SkillsBuild Bootcamp for ISE and MCA students from the "KRONOS" AI and ML Club, aimed at enhancing their knowledge and practical skills in cloud computing, data analytics, and artificial intelligence (AI) at RV Institute of Technology and Management, Bengaluru, from August 28th to 30th, 2024. This initiative was designed to provide a comprehensive learning experience through hands-on sessions and mini-project assessments.
14. Conducted 1-day and 2-day hackathons on the Internet of Things (IoT) associated with the Center of IoT, PES University, in 2021 and 2022.
15. Conducted 2-day and 3-day workshops on the Internet of Things (IoT) associated with the Center of IoT, PES University, in 2021 and 2022.

## **WORKSHOPS/FDP/TECHNICAL EVENTS ATTENDED**

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1. Completed a 6-day National-level faculty development program (FDP) on "Generative & Agentic AI – Tools & Demos" organized by Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, technically co-sponsored by the IEEE Gujarat Section.
2. Attended One Day NVIDIA Hands-On Training on "Accelerating and Scaling LLMs With NVIDIA", Friday, November 7, 2025, IISc, Bengaluru, A.V.R. Auditorium, New Chemical Science Building CV Raman Rd, Bengaluru, Karnataka 560012, India.
3. Attended one-day faculty development program on Document Preparation and Research writing using LaTeX on 9th Oct 2025, organized by Dept of CSE, RV Institute of Technology and Management, Bengaluru
4. Attended the VTU-NVIDIA training program conducted on 16th and 17th April, 2025 on Deep Learning Certification on Fundamentals of Deep Learning at NVIDIA GRAPHICS PVT. LTD. Bagmane Goldstone Building, North Tower, Adj to World Technology Centre, Mahadevapura Village, K.R. Puram Hobli, Bengaluru-560048.
5. Attended a one-week faculty development program on "Full Stack Development" from 10th – 14th February, 2025, organized by Dept of ISE, RV Institute of Technology and Management, Bengaluru in association with IIT Guwahati.
6. Attended a one-week faculty development program on "Generative AI: Hands-On Learning from Concepts to Applications" from 3rd to 7th Feb 2025 organized by Dept of CSE, RV Institute of Technology and Management, Bengaluru.
7. Attended One Week NATIONAL LEVEL SHORT TERM TRAINING PROGRAM-2K24 On JAVA Full Stack with React JS & AI, organized by RV Institute of Technology and Management, in association with Brainovision Solutions India Pvt. Ltd., Hyderabad, Telangana and All India Council for Technical Education (AICTE), during the period Dec 2nd-Dec 22nd, 2024.

8. Attended a one-week faculty development program on “DEEP LEARNING AND ITS CUTTING EDGE APPLICATIONS (DLCEA)” from 1st to 6th April 2024, organized by the Dept. of AI, Anurag University, Telangana.
9. Attended 3 Days Faculty Development Program on “Technical Writing using LaTeX” from 7th May to 9th May 2024, organized by the department of CSE, SJCIT, Chikkaballapur, Bengaluru.
10. Attended the International Workshop hosted by ECE Dept, VTU, Belgavi supported by Visvesvaraya Research and Innovation Foundation (VRIF), Belgavi on ”The Role of Generative AI in Academics and Research” at R V Teachers College, Bengaluru on Aug 08, 2024.
11. Attended 2 days of the Faculty Development Program on ”Machine Learning and Intel® Tiber™ Developer Cloud for Intel® oneAPI: A Comprehensive Hands-on Workshop” organised by R. V. College of Engineering, Bengaluru, from Jul 25, 2024, to Jul 26, 2024.
12. Faculty Development Program (FDP) on Intellectual Property Rights, Patents, and Trademarks organized by DSATM in the Department of Computer Science and Engineering from 13th to 17th February 2023.
13. Attended FDP on Computer Network Security (CNS) conducted by PESU, Center of Information Security, Forensics, and Cyber Resilience (C-ISFCR), PESU from July 11th to 15th, 2022.
14. Attended FDP on Information Security (IS) conducted by PESU, Center of Information Security, Forensics, and Cyber Resilience(C-ISFCR), PESU from August 1st - 5th, 2022.
15. Participated in TEQIP-III sponsored, 1-week workshop on “Data Analytics using R” at Dr. Ambedkar Institute of Technology, Bengaluru, 2018.
16. Attended workshop on Research Methodology held on 8th July – 9th July 2017 at Amrita Institute of Technology, Bengaluru, sponsored and supported by IEEE Bengaluru and IEEE ComSoc Chapter Bengaluru, India.
17. Attended a 1-week Faculty Development Programme Google Android Development Foundation course organized jointly by VTU and Google at PESU, Bengaluru from 01/07/2017 to 14/07/2017.
18. Attended TEQIP-II Sponsored Workshop on BIG DATA and HADOOP Organized by Dept. of Information Science and Engg, Dr. AIT, Bengaluru from 28/04/2016 to 29/04/2016.
19. Attended the International Conference on Development of Smart Cities: organized by Dr. Ambedkar Institute of Technology, Bengaluru from 09/09/2016 to 10/09/2016.
20. Attended FDP on Cloud Computing, Center of Cloud Computing, PES University(PESU), Bengaluru, 2016.
21. Participated in “Author Workshop” conducted by Elsevier in association with PES University(PESU), Bengaluru, 2015.
22. Participated in the International Conference on Frontiers of Computer Science, Indian Institute of Science(IISc), Bengaluru, 2011.

## **UG COURSES ANCHORED**

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Problem-Solving with C, Data Structures and its Applications with C, Object Oriented Programming using C++, UNIX and Shell Programming, UNIX System Programming, Introduction to Python Programming, Object Oriented Modeling and Design, Microprocessor and Computer Architecture, Data Communications, Computer Networks, Introduction to Operating Systems, Client/Server Computing, Software Architecture, Social Network Analytics, Introduction to Cyber Security, Cloud Computing and its Applications, Blockchain Technologies, Statistical Data Science, Machine Intelligence, Principles of Programming in C, Object-Oriented Programming with Java, Data Visualization with Python, Data Visualization using Tableau, Machine Learning, Generative AI, Deep Learning, Artificial Intelligence.

## PG COURSES ANCHORED

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Advanced Operating Systems, Cryptography and Network Security, Essentials of Cyber Security

## UG LAB COURSES ANCHORED

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Principles of Programming using C Laboratory, Introduction to Python Programming Laboratory, Cloud Computing Laboratory, UNIX System Programming Laboratory, Operating Systems Laboratory, Object-Oriented Modeling and Design Laboratory, Database Management System Laboratory, Machine Learning Laboratory, Data Visualization with Python Laboratory, OOPS with Java Laboratory, Generative AI Laboratory.

## COLLEGE-LEVEL RVITM STUDENT CLUB COORDINATOR

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- **Student Club name:** KRONOS AIML Club, RVITM
- **Date of KRONOS Club Formation:** July 9th, 2024
- **List of Workshop Organized under KRONOS Club**
  1. Data Visualization using Tableau Workshop
  2. Machine Learning and Deep Learning using Python Workshop
  3. Django-Powered Full-Stack Development Workshop
  4. IBM Skillsbuild OFFLINE & ONLINE Bootcamp
  5. VERSION Control with Git and GitHub Workshop
  6. WEEKLY Machine Learning Classes
  7. OOPs with Java Workshop—JAVA JIVING ODYSSEY
  8. Python Matrix Reloaded: Bending the Execution Engine
  9. Deepfake Detection using Deep Learning Workshop
  10. Agentic AI in Action Workshop
  11. Rust Workshop
  12. AI Tools to Practice Workshop on Nakin & NotebookLM
- **INDUSTRY MoU SIGNED with RVITM, KRONOS-AIML CLUB**
  1. **Company Name:** Edunet Foundation  
**Program:** IBM SkillsBuild Program  
**Date of MOU Signed:** July 9th, 2024
  2. **Company Name:** Sherpavector Private Limited  
**Program:** AIML Domain Program  
**Date of MOU Signed:** April 12th, 2025
  3. **Company Name:** Finlatics Private Limited  
**Program:** AIML Domain Program  
**Date of MOU Signed:** May 5th, 2026

## REVIEWER (CONFERENCE - 11)

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1. Contributed as a reviewer for the 3rd International Conference on Innovative Trends in Electrical, Electronics, and Bio-Technology Engineering (ICITEEB-2026), organized by the Departments of ECE and EE at Chandigarh University, Gharuan, Mohali, Punjab, scheduled to be held on 18th and 19th September 2026.
2. Contributed as a reviewer for the 4th International Conference on Knowledge Engineering and Communication Systems (ICKECS-2026), to be held at SJC Institute of Technology, Chickballapur, on 24th and 25th April 2026.
3. Contributed as a reviewer for the IEEE International Conference on Intelligent and Innovative Technologies in Computing, Electrical, and Electronics (ICIITCEE 2026), to be organized by BNM Institute of Technology, Bengaluru, India, on 22nd and 23rd January 2026.
4. Contributed as a reviewer for the 9th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS 2025), organized by RV College of Engineering, technically co-sponsored by IEEE Bengaluru Section, and held from 20th to 22nd November 2025.
5. Contributed as a reviewer for the 8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS 2025), organized by RV College of Engineering, technically co-sponsored by IEEE Bengaluru Section, and held from 7th to 9th November 2025.
6. Contributed as a reviewer for conference papers for the International Conference on Software, Systems, and Information Technology (SSITCON 2025), organized by Sri Siddhartha Institute of Technology, Tumakuru, India, held on 17th and 18th October 2025.
7. Contributed as a reviewer for the International Conference on Intelligent Communication Networks and Computational Techniques (ICICNCT 2025), organized by Guru Nanak Dev Engineering College, Bidar, held from 4th to 6th September 2025.
8. Contributed as a reviewer for the 3rd IEEE International Conference on Networks, Multimedia, and Information Technology (NMITCON 2025), organized by Nitte Meenakshi Institute of Technology, Bengaluru, in association with the IEEE Bengaluru Section, held on 1st and 2nd August 2025.
9. Contributed as a reviewer at the 2nd International Conference on Data Science and Exploration in Artificial Intelligence (CODE-AI 2025), organized by Manipal Academy of Higher Education (MAHE), Bengaluru, held during 7th and 8th April 2025.
10. Contributed as a Reviewer for the IEEE International Conference on Intelligent and Innovating Technologies in Computing, Electrical, and Electronics (ICIITCEE 2025), organized by BNM Institute of Technology, held on 16th and 17th January 2025.
11. Contributed as a Reviewer for the International Conference on Emerging Technologies in Computer Science for Interdisciplinary Applications (ICETCS 2024), organized by BMS College of Engineering (BMSCE), Bengaluru and IEEE Bengaluru Section, held on 22nd and 23rd April 2024.

## STRENGTHS

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- Organized and coordinated hackathons to promote innovation and collaborative problem-solving among students.
- Collaborated on industry-connected projects, facilitating practical exposure and real-world application of concepts.
- Planned and executed industry visits to enhance experiential learning and industry interaction.
- Contributed significantly to student research development and the effective conduct of academic events.