

# ENQUEUE

## DEPARTMENT OF CSE

### MESSAGE FROM THE HEAD OF THE DEPARTMENT



-Dr Ramakanth Kumar P

I'm pleased to introduce the latest edition of our departmental newsletter, spotlighting the exceptional achievements and resilience of both our students and faculty amid the hybrid academic model necessitated by the ongoing pandemic. Despite the unique challenges posed, our faculty and students have not only met academic expectations but have also excelled in various extracurricular endeavors. Although compiling content for this biannual newsletter requires substantial effort, the positive feedback from our colleagues, alumni, and students makes it a rewarding endeavor. This edition reflects the increased dedication of our faculty and students in adapting to the hybrid learning environment, overcoming obstacles in online engagement, and reaching significant milestones. As we reflect on our progress towards excellence across different facets of Computer Science and Engineering in the online realm, our commitment to research, education, and community service remains steadfast. Furthermore, our ongoing collaborations with industry leaders continue to enhance our research capabilities, reinforcing our position within the academic community.

### VISION

- To achieve leadership in the field of Computer Science & Engineering by strengthening fundamentals and facilitating interdisciplinary sustainable research to meet the ever growing needs of the society.

### MISSION

- To evolve continually as a centre of excellence in quality education in computers and allied fields.
- To develop state-of-the-art infrastructure and create environment capable for interdisciplinary research and skill enhancement.
- To collaborate with industries and institutions at national and international levels to enhance research in emerging areas.
- To develop professionals having social concern to become leaders in top-notch industries and/or become entrepreneurs with good ethics.

## Program Educational Objectives (PEOs)

- **PEO1:** Develop Graduates capable of applying the principles of mathematics, science, core engineering and Computer Science to solve real-world problems in interdisciplinary domains.
- **PEO2:** To develop the ability among graduates to analyse and understand current pedagogical techniques, industry accepted computing practices and state-of-art technology.
- **PEO3:** To develop graduates who will exhibit cultural awareness, teamwork with professional ethics, effective communication skills and appropriately apply knowledge of societal impacts of computing technology.
- **PEO4:** To prepare graduates with a capability to successfully get employed in the right role / become entrepreneurs to achieve higher career goals or take-up higher education in pursuit of lifelong learning.

## MOU'S SIGNED WITH RVCE

- MoU with Dhanya plastics. Through this MoU students will be provided with consultancy project around 11 lacs in 3 phases.



- Department of Computer Science at RV College of Engineering has entered into a Memorandum of Understanding (MoU) with Autotec, fostering collaboration and mutual initiatives in the field of engineering and technology. This partnership aims to enhance educational and research endeavours for both institutions.



- The Department of Computer Science and Engineering (CSE) is set to establish a Memorandum of Understanding (MoU) with UPGRAD CAMPUS. Dr. Rajashree Shettar will assume the role of the main coordinator, while Dr. Chethana and Dr. Mohana will specifically coordinate efforts in DevOps and Full Stack Development, marking a collaborative initiative in educational advancements.

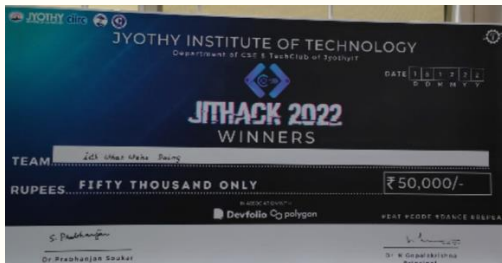


## STUDENTS ACHIEVEMENTS

- First time we have entered international ranking by THE ( Times Higher Education Ranking by UK) ranking We stand at 1501+ range. In Karnataka 4 institution. In order , IISc, Manipal University, Reva University and RVCE. First three within 1000 bracket. There are 75 institutions from India . We are one among them. Majority are universities.
- Phalaksha C, Nitin Kumar Rajesh, B Aravind, Abhay Kashyap and Krithika V secured the position of 3rd runner-up out of 95 teams from across India in the INGENIOUS Hackathon held at Vishwakarma Institute of Technology Pune in 2022. Their accomplishment reflects their impressive skills and innovative prowess in the competitive hacking arena.
- Krithika V showcased her research expertise by presenting and publishing a paper at the ICISC 2022 conference, organized by Springer in 2022. Her active participation demonstrates a commitment to contributing valuable insights to the academic community.
- Vihaan Nama, Pavan K R, Shreyas S and Vishnu B G Bharadwaj successfully completed an engagement with PRISM SAMSUNG in 2022. This period likely involved valuable contributions and achievements in the specified role or project.



- M. Aswartha Reddy M and Barath Reddy DK, secured the 1st Place at the IC Hack 22 event held at B.M.S College of Engineering on 3rd and 4th September 2022. Their achievement reflects their excellence and success in the hackathon competition.



- Phalaksha and team have won the second prize in a hackathon conducted at REVA college.



- Harsh Goyal , Ronit Agarwal , Prajwal T S and Varun S. Sambanni emerged as Top 10 Participants in the Hackathon contest 2023 held as part of the Nokia Bangalore University Collaboration (NBUC) in July 2022. Their notable performance highlights their skills and innovative contributions in the competition.
- Rahul Anbalagan, Shrikar Swaroop and Shreyasa Joshi secured the 1st Place in The HPCC Systems Hackathon Challenge organized by LexisNexis Risk Solutions, USA, at RV College of Engineering, Bengaluru, held from 14th to 16th July 2022. Their outstanding performance reflects their excellence in the competition.
- Harsha H L, Chandan Kasamsetty, and Anagha Anand all secured the 2nd Place in The HPCC Systems Hackathon Challenge, hosted by LexisNexis Risk Solutions, USA, at RV College of Engineering, Bengaluru, from 14th to 16th July 2022. Their impressive performances collectively contributed to their success in attaining the 2nd Place in the competition.
- Ujwal P, Manojkumar Belatti, and Suhas Shenoy achieved the 3rd Place in The HPCC Systems Hackathon Challenge conducted by LexisNexis Risk Solutions, USA, at RV College of Engineering, Bengaluru, from 14th to 16th July 2022. Their commendable performances collectively earned them the 3rd Place in this competitive event.



## ACHIEVEMENTS

- On September 22, 2022, both faculty and students from our institution actively participated in an enlightening visit to the DIDAC exhibition at BIEC Bengaluru. This exhibition served as a platform for exploring cutting-edge educational advancements, fostering engagement with innovative resources and technologies within the field of education. Attendees gained valuable insights and experiences, contributing to the continuous enhancement of educational practices and methodologies.



- The Department of Computer Science and Engineering(Cybersecurity) wants to kick-start our very own Cyber-Security Journey with a "Certification Course on Ethical Hacking Essentials(E-HE)". This certification will be conducted in collaboration with EC Council. Dr.Minal will coordinate the same.
- Anushka Agarwal and her team, comprised of 4th-semester CSE students from RVCE, had the honour of representing the institution at the Smart India Hackathon. Their exceptional achievement led to an exclusive interaction with Prime Minister Narendra Modi.

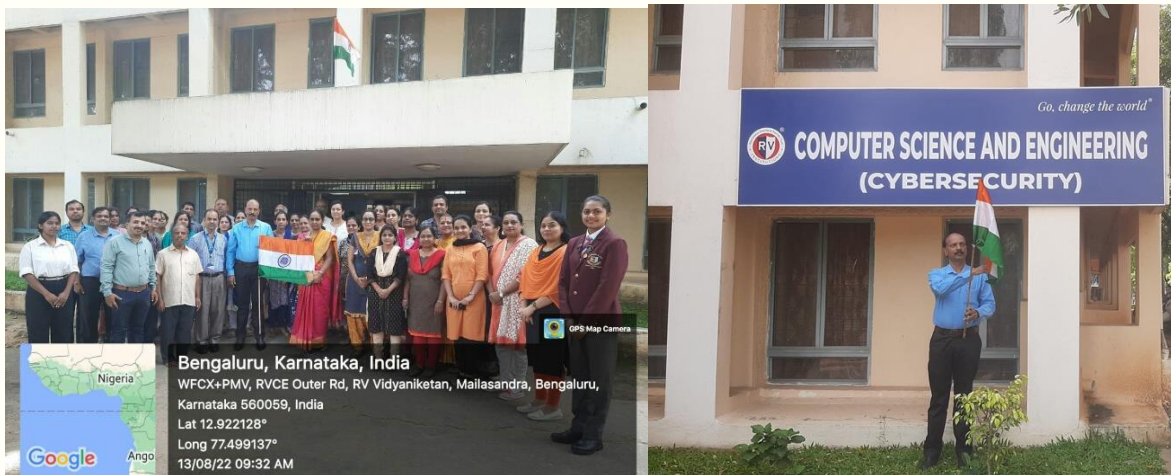




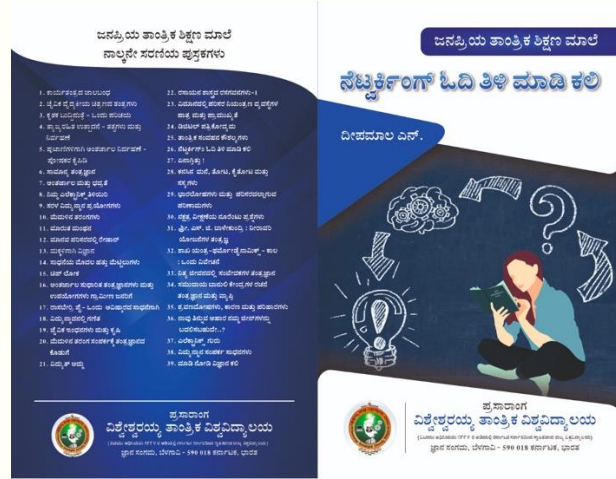
- Our student Seema Tendulkar represented RDC parade at New Delhi on 15<sup>th</sup> August, 2022.



- Geo tag photo for har Ghar tiranga by the Head of Department, faculty members and the students of the department.



- Our esteemed faculty member, Dr. Deepamala N, celebrated a significant milestone as her inaugural book was officially released at a special function hosted by VTU (Visvesvaraya Technological University) on 15<sup>th</sup> September, 2022.

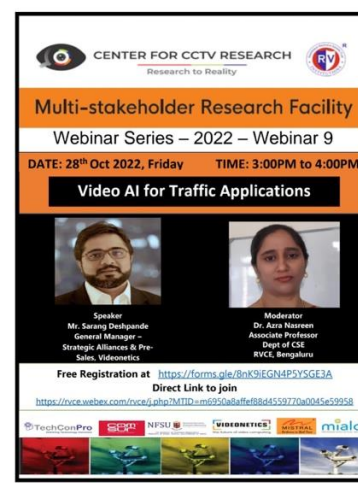


## SEMINARS

- The talk on "Opportunities after B.E. in IISc" by Mr. Nikhil Agrawal, held on December 10, 2022, at the CSE Seminar Hall, provided valuable insights into post-B.E. opportunities at IISc. Mr. Agrawal, an IISc M.Tech (Research) graduate and RVCE alumnus, shared a detailed overview of his research work, focusing on "An Evaluation of Basic Protection Mechanisms in Financial Apps on Mobile Devices." The event was hosted by Assistant Professor Manonmani.S.

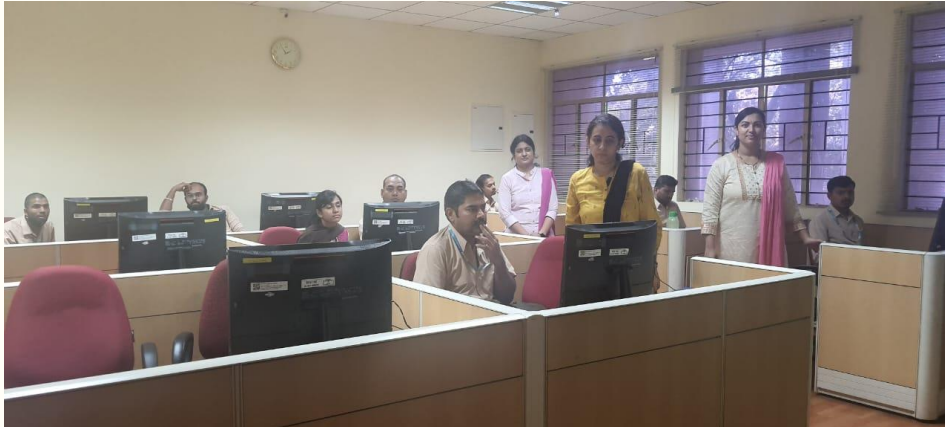


- The Center for CCTV Research successfully hosted the 9th webinar of the 'Webinar Series 2022' on October 28, 2022. The event, featuring Mr. Sarang Deshpande, GM - Strategic Alliance & Pre-sales at Videonetics, covered the intriguing topic of "Video AI for Traffic Applications." The webinar provided valuable insights into the integration of video artificial intelligence in traffic-related scenarios.



- RV College of Engineering successfully conducted the "CCNA Certification Course." The event, aimed at enhancing students' knowledge and skills in networking, has concluded.

- Dr. Soumyarani, Dr Praveena T, alongside Prof. Sneha M and Prof. Veena Gadad, actively engaged in the second session of the BEL training series, which specifically focused on Networking Fundamentals. This session aimed to deepen their understanding of the core principles and concepts within the realm of networking. Participants explored topics such as layered network architecture, topologies, hardware components at each layer, the TCP/IP and OSI model, and various types of addresses. The interactive training provided valuable insights into the foundational aspects of networking.



## SKILL LABS:

RV College of Engineering has organized Skill Labs 1, a program tailored for 2nd-semester students specializing in Computer Science, Data Science, and Cyber Security. The event is structured into two slots, with Slot 1 running from 17th to 21st July 2023 and Slot 2 from 24th to 28th July 2023. The program encompasses five parallel tracks that will run concurrently over ten days, catering to ten batches, including CS-180+45, DS-60, and CyS-60.

In Track 1, Dr. K Badari Nath takes on the role of coordinator, overseeing PC assembling, disassembling, and troubleshooting for laptops and printers. This track incorporates hands-on activities such as assembling and disassembling, parts identification, and issue resolution, all conducted in Laboratory 5.

Track 2, led by Dr. Vinay Hegde and Prof. Apoorva, delves into the Windows Operating System. Participants will gain insights into OS Windows, including versions, commands, utilities, installation procedures, troubleshooting techniques, and configurations of application software. This track will be held in Laboratory 4.

Linux Operating System fundamentals are explored in Track 3, where Dr. Jyoti Shetty serves as the coordinator. Topics covered include Linux OS versions, commands, utilities, installation procedures, troubleshooting, and application software configurations. Track 3 will take place in Laboratory 2.

Track 4, managed by Dr. TP, focuses on Office Productivity and Design Tools. This track covers MS-Office tools, CANVA for poster creation, and hands-on sessions on video editing. Laboratory 7 will host the activities related to Track 4.

Lastly, Track 5, coordinated by SR, delves into MS-Excel Analytics and Data Visualization Tools. Participants will explore MS-Excel analytics, Google Data Studio, Tableau, Power BI, and other data visualization tools through hands-on case studies. The venue for Track 5 is Laboratory 11.

This comprehensive initiative aims to equip students with practical skills and knowledge across diverse domains, enhancing their proficiency in data science, cybersecurity, and related fields.

## EDITOR'S NOTE

We are grateful to our department for granting us the opportunity to publish the eighth issue of our newsletter -Enqueue(). Here, we provide you a brief glimpse of the various activities and events that our department arranged and hosted from July

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to December of 2023. We also highlight the excellent accomplishments of our academics, their research and consulting endeavors, as well as their publications in a range of reputable journals and conferences. Finally, we highlight the numerous accolades and prizes received by our incredibly gifted pupils. We appreciate all of our instructors and students who so willingly provided articles and other content.

As we draw the curtain on another edition of our Department of Computer Science newsletter, we express our gratitude for joining us on this journey of exploration, discovery, and accomplishment. In these pages, we've shared stories of triumphs, innovative research, and the unwavering spirit of our students and faculty. From hackathons to cutting-edge projects, our community's passion and commitment continue to be the driving force behind our success.

Celebrating the outstanding achievements of our students, whose accomplishments exemplify the spirit of excellence and innovation within our department. Our faculty members, too, have demonstrated a commitment to continuous learning, as seen in their active participation in the AICTE Training and Learning Academy-sponsored Faculty Development Program on Cybersecurity for Industry 4.0.

As we navigate the ever-evolving landscape of computer science, we invite you to reflect on the inspiring stories and achievements shared within these pages. We are collectively shaping the future of computer science education and research, and your support is integral to our success. Thank you for being a part of our journey. Until we meet again in the next edition, stay inspired, stay curious, and keep exploring the limitless possibilities within the world of computer science.



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