



RV College of Engineering®

Mysore Road, RV Vidyaniketan Post,
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RV College of Engineering
IEEE Student Branch



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LIST OF ACTIVITIES UNDER IEEE RVCE- SENSOR COUNCIL SOCIETY, BENGALURU

Sl. No.	Date	Event	Resource person details	No of participants	Feedback and analysis
1.	29-09-2022	Inauguration of Sensors Council	Dr. Shobha KR, Chair of IEEE Bangalore Section Sensors Council Chapter.	35	<p>The inauguration of the IEEE Sensors Council Student Branch at RVCE was a significant milestone, marked by insightful addresses from esteemed guests including Dr. Geetha KS, Dr. Shobha KR, Dr. Renu Madhavi, and Dr. Veena Divya. K, Dr. Renu Madhavi emphasized the crucial role of sensors in engineering, highlighting how the Sensors Council will support students' development. Dr. Geetha KS shared the impactful achievements of IEEE RVCE, while Dr. Shobha KR underscored the importance of the IEEE Sensors Council and its contributions to advancements in Smart Cities.</p> <p>The discussions on integrating technologies like IoT, Machine Learning, and Cloud Computing to create Smart Cities were particularly enlightening, showcasing potential applications in Smart Transport, Smart Energy Systems, and Public Safety Systems. The event concluded with a high tea, fostering networking among speakers, faculty, attendees, and volunteers. This inauguration not only celebrated past successes but also set a forward-looking agenda for leveraging sensor technology in innovative ways.</p>



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2.	20-12-2022	Expert Talk on MEMS and Applications	Dr. Hithesh K Gatty, CEO and Founder of Gatty Instruments, Austria	65	<p>The expert talk on MEMS and Applications by Dr. Hithesh K Gatty was undoubtedly insightful and engaging, drawing the attention of 65 students from the IEEE Sensors Council Student Branch of RVCE. Dr.</p> <p>Gatty's extensive knowledge and experience as the CEO and Founder of Gatty Instruments provided valuable insights into the evolution and current landscape of MEMS technology.</p> <p>His discussion on sensor fabrication methods underscored their pivotal role in shaping the future technological landscape, emphasizing their relevance to every engineering student's education and professional journey.</p> <p>The event successfully conveyed the significance of MEMS technology and its potential applications, leaving the attendees with a deeper understanding of its past, present, and future implications.</p>



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3.	13-01-2023	Hands on workshop on Cisco Packet tracer	Dr. Sahana B, Assistant prof, Dept of ECE, RVCE	54	<p>The hands-on workshop on Cisco Packet Tracer, led by Dr. Sahana B, Assistant Professor at the Department of ECE, RVCE, provided an invaluable opportunity for 54 participants to deepen their understanding of data and communications concepts.</p> <p>Hosted by the IEEE Sensors Council Student Branch of RVCE in collaboration with the Department of EIE, the event facilitated practical learning through demonstrations of the Cisco Packet Tracer application.</p> <p>Attendees were engaged in simulating their own network models, enhancing their comprehension of network layer design, devices, and error detection. The interactive nature of the session likely fostered active participation and knowledge retention among the participants, equipping them with valuable skills applicable to their academic and professional pursuits in the field of networking.</p>



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4.	10-02-2023 To 11-02-2023	Industry Conclave on Opportunities and Challenges in Sensors, Robotics, Automation and Signal Processing	<ol style="list-style-type: none">1. Dr. K.S Geetha, Vice Principal, RVCE.2. Mr. Shailesh Sakri, Chair, IEEE SPS Bangalore section, (Director, Automotive Audio Software, Harman International)3. Mr. George Koilpillay, Honeywell, Bangalore.4. Dr. Sumit Soman, Chair, Sensors Council Bangalore Section, (Ericsson)5. Mr. Subhash Mondal, Chief Architect, SVP & Head of Research and Development - 5G Products at HFCL Limited6. Narendra Singh, Manager, Software	134	<p>The Industry Conclave on Opportunities and Challenges in Sensors, Robotics, Automation, and Signal Processing, hosted by the IEEE Sensors Council and IEEE Signal Processing Society Student Branch of RVCE, brought together a diverse range of industry experts and academia, totalling 134 participants. The event successfully facilitated interactions between faculty, students, and industry professionals, offering valuable insights into key innovations and research activities in the field.</p> <p>With a focus on nurturing entrepreneurship and bridging the gap between industry and academia, the conclave featured panel discussions and networking opportunities, fostering collaboration for potential projects and internships. Attendees gained knowledge about emerging technologies such as sensors and IoT applications in various domains, including transport refrigeration, digital factories, smart sensors, fiscal measurement, robotics, and biosensors.</p> <p>Overall, the conclave served as a platform for exchange and exploration of cutting-edge advancements, leaving participants enriched with new perspectives and potential avenues for future collaborations and endeavours.</p>



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Engineering Trane
Technologies.

7. Mr. Alaganthiruvarul
Selvakkumaran, Head –
Electronics and Hardware
Dept, Moog India
Technology Centre.

8. Mr. Raghu M B,
Senior Software Architect
Trane Technologies.

9. Mr. Vijay K Samaga,
Sales Director, ME & NA
MirValve, UAE.

10. Dr. G.S Javed, Tech
Lead- Analog Intel
Technology India Pvt Ltd.

11. Dr. Natarajan K,
Professor and Functional
Head Avionics, Jain
University.

12. Mr. Anand Krishnan
Iyer ICC GLOBAL, Pune.

13. Mr. Dinesh
Tukaram, Digital strategy
and Industrial solutions
Head.



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5.	16-05-2023 To 18-05-2023	3-Days Hands-on Workshop on Microcontr ollers and Programmi ng using ARM Cortex M4	Mr. Sulthan Mohiyuddin, Manager-Sales, Starcom Information technology Ltd. Abhishek K R, Field Application Engineer, Starcom Information technology Ltd, Bengaluru.	20	<p>The 3-day hands-on workshop on Microcontrollers and Programming using ARM Cortex M4, organized by the Dept of EIE at RVCE in collaboration with the IEEE RVCE Sensors Council chapter, provided a valuable learning opportunity for 20 participants. Facilitated by guest speakers from Starcom Information Technology Ltd., the workshop focused on assembly language coding and embedded C programming using ARM Cortex M4 core microcontrollers, specifically STM32.</p> <p>Through practical experiments and individual microcontroller kits, participants gained hands-on experience in executing various interfacing programs, including LED blinking and servo motor interfacing.</p> <p>Overall, the workshop effectively equipped participants with essential skills in microcontroller programming, enhancing their understanding and proficiency in ARM Cortex M4 core technology and its applications in embedded systems.</p>



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6.	14-12-2023	Exploring the Virtual Labs for Digital Electronics	A technical talk for 3rd Semester of EIE hosted by Dr C H Renu Madhavi, HoD, Dept of EIE	24	<p>The technical talk on "Exploring the Virtual Labs for Digital Electronics," hosted by Dr. C H Renu Madhavi, Head of the Department of EIE, provided invaluable insights to 24 participants from the 3rd Semester of EIE.</p> <p>By delving into the realm of virtual labs, Dr. Renu Madhavi likely expanded participants' understanding of digital electronics concepts in a simulated environment.</p> <p>Virtual labs offer an innovative approach to practical learning, enabling students to experiment with electronic circuits and concepts virtually, regardless of physical constraints.</p> <p>Participants likely gained hands-on experience and a deeper comprehension of digital electronics principles, preparing them effectively for their academic and professional endeavours in the field.</p>



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7	06-02-2024	"From Logic to Layout: The RTL to GDSII Flow"	Narahari T.R., Senior Vice President of Signoff Semiconductor, Bengaluru	74	<p>The Talk on "From Logic to Layout: The RTL to GDSII Flow" by Narahari T.R., Senior Vice President of Signoff Semiconductor, hosted by the Sensors Council in collaboration with the Department of Electronics and Instrumentation, attracted 74 participants.</p> <p>This event likely provided attendees with valuable insights into the VLSI design process, covering the journey from Register Transfer Level (RTL) logic to the final Graphic Data System II (GDSII) layout.</p> <p>Narahari T.R.'s expertise in the field likely offered participants a comprehensive understanding of the intricacies involved in VLSI design, laying a strong foundation for their future endeavours in the semiconductor industry. The event likely sparked interest and curiosity among participants, encouraging them to explore further in this dynamic and evolving field.</p>