

SSN - CARE

Cherishing Alumni Relationship and Engagement

Career Development Workshop by Alumni Association

Dr. Sankar Raju Narayanasamy, PhD, FRSC (2012-2016 Batch) delivered a guest lecture to **third year Mechanical Engineering students** on **February 23, 2024 (Friday)**, 1:30 to 2:30 pm. He shared his research experience and present position to the students and **motivated them towards the higher studies.**



Profile of the Alumni

Dr. Sankar Raju Narayanasamy completed his doctorate in Physical Chemistry at Berkeley, along with joint supervision from **Stanford University** and the **State University of New York at Buffalo**. His doctorate research laid the foundation for the Biological Sample Environment Research. Prior to his doctoral studies, he had worked at various renowned research institutes such as SLAC National Accelerator Laboratory, Deutsches Elektronen Synchrotron (DESY/German National Synchrotron), Fraunhofer Society and the European Synchrotron Radiation Facility (ESRF, France). He received his masters and undergraduate trainings in Mechanical Engineering and Applied Mechanics. He is a Fellow of the Royal Society of Chemistry, the Royal Society for Public Health, the Royal Microscopical Society, and an elected full member in the Sigma Xi Research Society. He was the **recipient of the 2020 AAAS/Science Program for Excellence in Science Award by the American Association for the Advancement of Science (AAAS).**

His inventions have been nominated for R&D 100 awards (often termed as the Nobel Prize for technology). He has given several invited keynote talks and guest lectures in versatile fields spanning from Life Sciences to Robotics. He also has held many professional consulting and research positions and has filed 6 patents. He supervises multiple PhD students from UC

Davis, University of Illinois Urbana Champaign, and State University New York at Buffalo and a number of masters and undergraduate students in various fields ranging from automotive to physical chemistry.

Photos of the event





Cultivating Curiosity: Dr. Sankar Raju Narayanasamy Ignites Passion for Higher Learning in Mechanical Engineering Students

Events conducted by Alumni

Event 1: **Tech Talk Series** - 'THE BASICS ON A CAREER IN ECE CORE' -



As part of the **Tech Talk Series**, the **Department of Electronics and Communication Engineering** hosted a talk on '**THE BASICS ON A CAREER IN ECE CORE**' aimed at electronics enthusiasts seeking guidance for launching their careers in the same field. The event took place on **February 17, 2024**.

The event featured **Ms. Maribel Monica**, **Senior ASIC Hardware Verification Engineer** at **Apple** and a **2014 graduate of the Department of ECE**. Holding an **MS in Electrical Engineering** from the **University of Wisconsin-Madison**, Maribel shared insights into her journey as a student, highlighting the

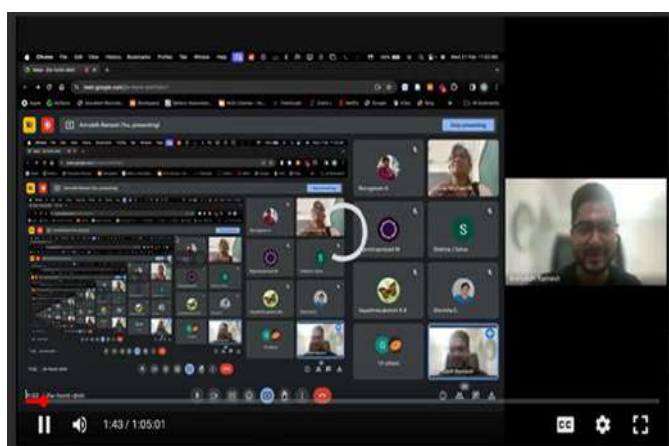
challenges she faced and her enduring passion for electronics. She offered valuable advice to the audience, urging students to make the most of their time as learners by exploring various fields and deeply understanding their studies, as this approach had proven pivotal in her own success. The talk was engaging and interactive, leaving students feeling optimistic about their prospects in the field of electronics.

Event 2: **Online Alumni Talk** on ‘**Exploring Characterization Methods: Understanding Cathode Materials for New Energy Storage Systems**’

Chemistry team interacts with Mech Alumnus

The **Department of Chemistry** was privileged to organize a guest lecture delivered by an alumnus **Dr. Aniruddh Ramesh** (2014-2018 Batch, **Mechanical Engineering**), on **February 21, 2024**.

Dr. Aniruddh Ramesh is doing cutting-edge research in the emerging field of Na-ion batteries that resulted in two global patents. He was **awarded a Ph.D. from the National University of Singapore (NUS)** in November 2023. Currently, he is **working as a research fellow at NUS**, focusing his research on the development of solid electrolytes for NextGen Na-ion batteries. He delivered a talk on the current topic ‘Developing sustainable solutions for Sodium-ion batteries using earth-abundant materials.

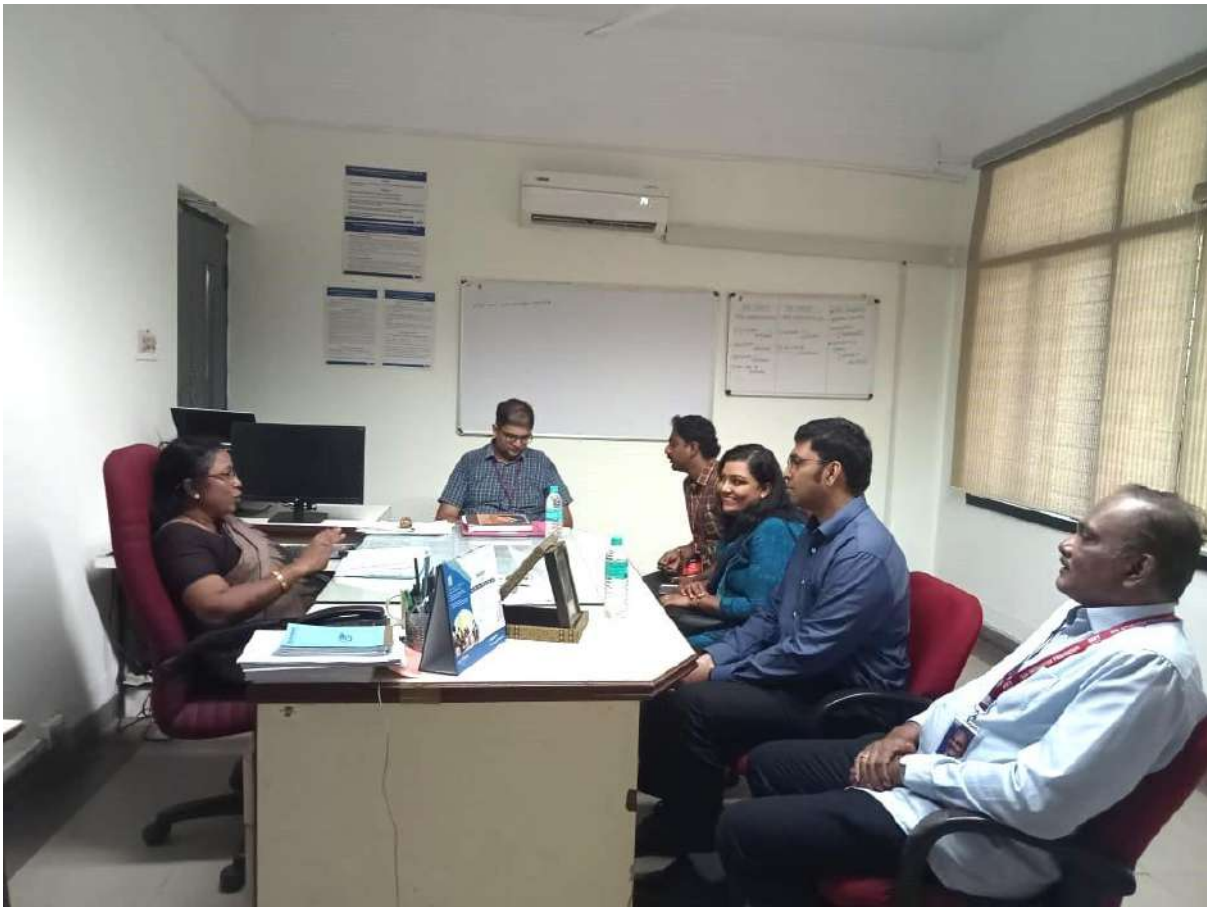


This event aims to motivate research scholars pursuing research in relevant research fields by sharing current updates in the relevant and/or allied areas of research interest. The online Gmeet was attended by around **50 participants**; most of them were research scholars from different departments. In his talk, Dr. Aniruddh Ramesh explained in detail the various methodologies of characterization of cathode material.

The talk was very informative and participants got a glimpse of the current research scenario in the field of new energy storage systems. During the session, Dr. Aniruddh Ramesh expressed his gratitude to the SSN College of Engineering, the Mechanical Engineering Department, and the Chemistry Department for hosting an enlightening in-house session with fellow researchers. **The Chemistry department looks forward to organizing more such lectures in the future.**

Alumni Visits and Interactions

Mr. Vishal Giridharan (2005-2009 Batch, EEE), IC Design Engineer at **d-Matrix corporation**, San Jose, **California, USA**, visited the **EEE department** on **February 21, 2024**. He has obtained his **Master's degree from Stanford University, USA** with specialization in Analog Circuit Design and Control Systems in 2011. He had **interaction with Dr. V. Rajini, HoD, EEE and Dr. Nagarajan V S, Associate Professor, EEE**. The discussion was with respect to current technology development in Silicon Valley, USA and process to build profile in Under Graduate Program get into top US universities for Master's degree.



Industry Insights and Academic Advancement: A Visit from Mr. Vishal Giridharan, IC Design Engineer at d-Matrix Corporation

CSE Alumni Visit – February 2024

1. **Mrs. Premalatha**, ME CSE Alumni 2008-10, visited the campus to attend the FDP AATA-2024 on **February, 03, 2024**.
2. **Mr. Varun Raganatha Dharanth**, Software Engineer, **Meta**, B.E. CSE Alumni of batch 2018, visited the campus on **February 10, 2024** and interacted with our faculty.
3. **Mr. Sriram M**, Software Engineer, **Samsung**, B.E. CSE Alumni of batch 2022, visited the campus on **February 23, 2024** and interacted with our faculty.
4. **Mr. Cilvin**, **Founder and Brand Head** of **Evoke Media** and B.E. CSE Alumni of batch 2010, sponsored the seventh International Conference on Computational Intelligence and Data Sciences (ICCIDS 2024) held during **February 21 - 23, 2024**.



Alumni Visits and Interactions from the **Chemical Engineering Department**



Mr. Amirthalingam G (2013 – 2017 Batch), **Business Head**, Molikule Green Care Private Limited, visited the Chemical Engineering Department and interacted with the faculty on **February 2, 2024**.

Mr. Ajay Srinivaasan P (2017 – 2021 Batch), **Research Intern**, Chalmers University, Sweden and **Mr. Adithya S (2017 – 2021 Batch)**, **Research Intern**, McGill University, Canada, visited the Chemical Engineering Department and interacted with the **HOD** on **February 27, 2024**.



Alumni Visits and Interactions from the **Civil Engineering Department**



Mr. Naresh Ashwen Ve S, a graduate of the **2018-2022 Batch**, visited the Civil Department on **February 24, 2024** to reminisce about his college days. Naresh, an enthusiastic sportsperson, **represented SSN in Sepak takraw** (a foot volleyball game) at the University level. He was honoured with an appreciation award from the current Tamil Nadu Sports Minister on February 23, 2024. Currently, Naresh aims to pursue his master's degree at Anna University (CEG Campus) in the upcoming academic session. **The Department of Civil Engineering** extends its best wishes for his future endeavours and looks forward to celebrating his continued success.



Recognition from the Tamil Nadu Sports Minister: An Appreciation Award to Naresh Ashwen Ve S

Mr. Vel Kruthik, a graduate of the **2018-2022 Batch**, visited the **Civil Department** on **March 1, 2024**, to interact with our current third year students regarding job prospects after college. Vel Kruthik is **employed at J&F (formerly Hochtief)**, an internationally recognized engineering consultancy firm specializing in MEP (Mechanical, Electrical, Plumbing), structural engineering, and BIM (Building Information Modeling) services. With a team of over 500 engineers and detailers across five countries, J&F's Chennai branch, located in Guindy, is where Vel Kruthik is based. During his visit, he also engaged with our HOD and **discussed internship opportunities at J&F for SSN third year students**.



Exploring Career Pathways: Insights from Vel Kruthik, Civil Engineering Graduate

Alumni Visits and Interactions from the SSN School of Management

In a session led by **Ms. Scindia Balasingh (MBA 2009-2011 Batch)**, **Head of Global Marketing - Partnership** at **Multiplier**, students gained valuable career insights in marketing. Ms. Scindia shared her journey, emphasizing the significance of passion-driven roles for rapid career progression and the pivotal role of women in leadership. She advocated for MBA specialization, active use of LinkedIn, and highlighted essential marketing skills such as SEO, recommending Google Analytics and Ads certifications. Additionally, she discussed topics including introverts in marketing, team dynamics, cross-cultural communication, handling criticism, and the importance of selecting the right business partners in reselling, affiliate, and technology partnerships. Ms. Scindia concluded by describing marketing as a blend of art and science, urging students to focus on their passion and pursue continuous career development.



Marketing Alchemy: Crafting Success with Ms. Scindia Balasingh

Mr. Aswin Raman (MBA 2017-2019 Batch), Assistant Brand Manager at **Amrutanjan Healthcare**, conducted a session on "Branding and Its Effect on OTC Products" at SSN School of Management. He shared his career journey, highlighting the pivotal role of internships in discovering his passion and shaping his career trajectory. Mr. Aswin delved into brand management, addressing the intricate challenges of enhancing existing products versus introducing new ones. He emphasized the significance of product trials, competitive pricing, and understanding regional markets. Furthermore, he elaborated on marketing strategies, including advertising spends, Gross Rating Points (GRP), and the strategic planning of media spots and prime time slots. His presentation provided students with a comprehensive understanding of branding's impact in the pharmaceutical sector and its importance in business strategy.



Unveiling Branding Dynamics: Insights from Mr. Aswin Raman

Alumni write up

Write up 1:

Mr. Shreyas Srivatchan (Department of EEE, 2012-2016 Batch)

MS Robotics - Carnegie Mellon University

Current Occupation - Principal Scientist - Autonomous Driving at Visteon Corporation, Chennai



I truly believe that a good engineer is created in the laboratory rather than the classroom. In order to practice such a methodology of learning, it is not only important to have resources but also have the valuable support of the faculty and the institution. In this regard, I was fortunate to have the unwavering support of my professors at SSN. From motivating me to pursue challenging projects to providing me with all the resources and the freedom required, **SSN has played a pivotal role in shaping me as an engineer.**

One of my cherished memories at SSN was that of my first paper publication at an esteemed national conference. It

required substantial time and effort to be spent on theoretical understanding and practical implementation. Additionally, the deadline to submit the paper was also very close. Although challenging, with the guidance of my faculty, we not only submitted the paper but also received the prestigious 'Best Paper Award' at the conference. This experience provided me with immense motivation to pursue engineering at a rigorous level. Additionally, I started to obtain the required mindset and the discipline to be a successful engineer.

The engineering acumen I developed at SSN proved to be of significant value during my next important educational endeavour. In 2018, I got the opportunity to pursue a Master's degree in Robotics at Carnegie Mellon University, regarded as the best robotics education and research facility in the world. The engineering principles I developed at SSN helped me acquire a full scholarship for my Master's education. Additionally, I got the opportunity to work with cutting edge technology and collaborate with experts in the field of robotics and AI.

I currently work as a Principal Scientist in the autonomous driving division at Visteon Corporation. My team builds advanced AI systems that cater to the global market. Though the team is diverse in terms of background, ethnicity and experience, I try to inculcate the hands-on and rigorous approach towards engineering that I cultivated at SSN. I thank the SSN faculty and the institution for the invaluable experience and the strong foundation it has provided to help me become a successful engineer.

Write up 2:

Mr. Vignesh Muthukumar (Department of Information Technology, 2015-2019 Batch)

MTS Software Engineer, Salesforce

Location: San Francisco, California, USA

Looking Back at SSN: A Formidable Milestone



Five years after graduating from the prestigious SSN College of Engineering, I cannot help but reminisce with excitement about the first time I set foot on its magnificent campus. My time at SSN has been a cornerstone in shaping my academic and personal journey, and I owe immense gratitude to the Department of Information Technology, its esteemed HOD, and the dedicated professors.

Beyond academic excellence, SSN fosters a culture of exploration and expression. The department provides a diverse range of opportunities and platforms that nurture individual interests. This nurturing environment fuelled my passion for Mathematics, algorithms, and deep learning by allowing me to participate in renowned competitions like ICPC

and IEEEExtreme, present papers in technical conferences like ICCSP etc, thereby adding to my own achievements and contributing to the department's legacy.

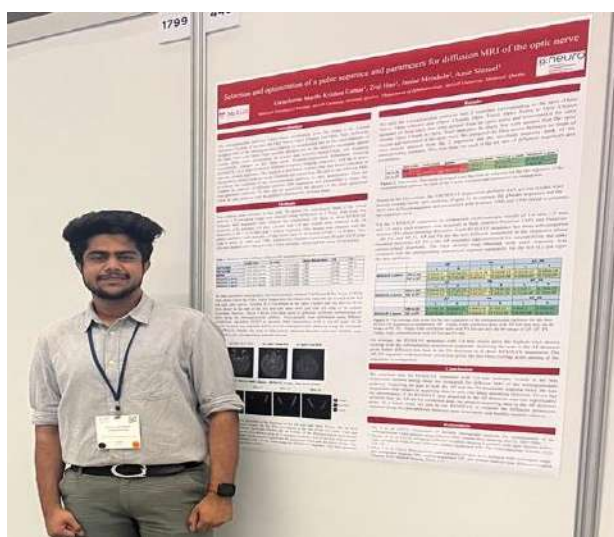
Further shaping my research pursuits, the **department regularly invited experts from industry and academia to share their knowledge on cutting-edge technologies**. This exposure motivated me to delve into a niche area – Intelligent Tutoring Systems. The unwavering support and guidance of my professors allowed me to expand this research during my **Master's program at North Carolina State University, USA**. My research journey, which blossomed within SSN walls, has led to published works, collaborations with prominent figures, and ultimately, paved the way for my career as a Software Developer at Salesforce.

The strong foundation laid by SSN extends beyond academics. The department's placement drives played a crucial role in honing my industry skills. The faculty's keen eye for potential and their dedication to bringing leading companies to campus prepared students like me for career success. **This commitment extends beyond graduation, as professors maintain contact with alumni, fostering a vibrant community** where experience is passed onto future generations.

In conclusion, my experience at SSN has been truly transformative. The institution's nurturing environment, its focus on excellence, and its commitment to individual growth have all played a critical role in shaping the person I am today. I am deeply grateful for the memories, the knowledge, and the connections I gained during my time at SSN.

Write up 3:

Mr. Gurucharan Marthi (Department of Biomedical Engineering, 2017-2021 Batch)
Graduate Student Researcher
The Neuro (Montreal Neurological Institute-Hospital)
Montreal, Quebec, Canada



Mr. Gurucharan Marthi, a graduate from BME Batch 2017-21, undertook a transformative journey from SSN, Chennai, to the esteemed McGill University in Montreal, Canada, where he pursued his passion for neuroscience through a Master's degree program. This was a life-changing experience for him. Gurucharan's journey started with careful planning and commitment to creating an application that would attract the interest of prominent universities across the globe. Driven by a passion to explore the depths of neuroscience, he set out on the challenging journey of gaining admission to a prestigious university with a clear picture of his academic and research ambitions.

His path was marked by a demanding application process that included taking the Graduate Record Examination (GRE) for some schools and taking standardized English tests like the TOEFL or IELTS. Gurucharan diligently crafted a statement of purpose that not only described

his educational background but also expressed his goals for the neuroscience area. Recognizing the significance of matching his interests with potential university programs, he carefully investigated establishments renowned for their superior neuroscience instruction and research. His dreams came true at McGill University, which is located in the fascinating city of Montreal and has a stellar reputation, an integrative curriculum, and a vibrant research community.

However, Gurucharan's pursuit didn't end with merely submitting applications. Recognizing the significance of engaging with potential supervisors and securing scholarships, he undertook the challenging task of reaching out to esteemed professors whose work aligned with his interests. Despite the challenges posed by remote communication and the absence of in-person interactions, Gurucharan's determination and proactive approach bore fruit as he navigated through interviews and evaluations with potential mentors. His story serves as an inspiration for perseverance, determination, and the unwavering pursuit of academic greatness in the face of difficulty.

Info to alumni Campus Update

1.SSN has moved one step ahead in Industry Collaboration:

ESAB establishes Welding Chair position at SSN

ESAB, a Swiss based welding equipment manufacturing company, has established a Chair faculty position in welding at SSN.[Feb 7, 2024]

This covers

- the salary of one faculty,
- expenses for establishing a center of excellence in welding and
- support for five scholars, for the next three years.

Approximately, their support is for around Rs. two crores over three years.

This is the first time we have invoked CSR funding from Corporates for our research.



Based on top 2% achievement in Publications at Global level, for four consecutive years, in his area of research, ESAB has chosen Dr.A.K.Lakshminarayanan as the Chair faculty. He will coordinate all requirements of ESAB in furthering the research in welding. Wishing AKL well in his new role- VEA

2.Our Patent strength is gaining momentum:

As of March 15th, our patents granted stand at 40.

The Team of Faculty Alumni Coordinators

			
Dr.R.Nithya BME	Dr. Vani Haridasan MBA	Dr.P.Vasuki IT	Dr.N.Sujadeen CSE
			
Dr.K.Babu Mechanical	Dr.Aswin Sriram Civil	Dr. V.S. Nagarajan EEE	Dr. G.R. Venkatakrishnan EEE
			
Dr. N Prabagarane ECE	Dr.S.Sakthivel Murugan ECE	Dr. D. Gnana Prakash Chemical	Mr. Ananda V Raman Alumni-in-Charge
	<p>Newsletter Compiled by</p> <p>Dr. Joe Louis Paul, Associate Professor [IT], with inputs from Faculty Alumni Co-ordinators of all departments.</p>		<p>Distributed to</p> <ul style="list-style-type: none"> • All Students [through Department Alumni Relationship Team-DART] • Faculty [through Principal's Office] and • Alumni [through Assistant Director-Marketing and Alumni Relations]

[Events of February 2024, reported in March 2024]