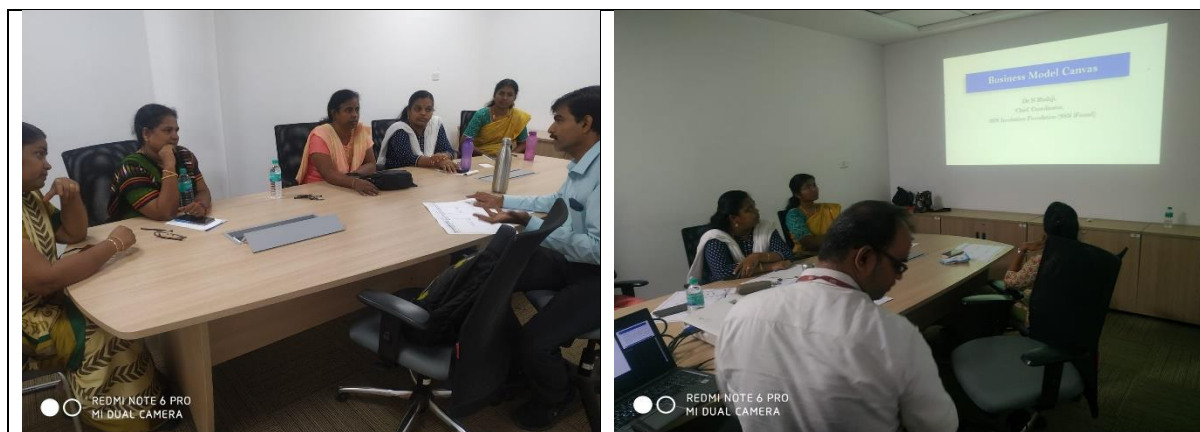


IIC Activities in the month of March 2023

1. 16.3.23 – One day workshop on “Business Model Canvas Workshop - Yukthi Challenge 2023”

IIC team Dr. S. Chithra, **SSN - IIC President**, and Dr. P.Vasuki, **SSN - IIC Vice President** in collaboration with SSN iFound has organized a “Business Model Canvas workshop” for the projects scrutinized for Yukthi Challenge 2023 on 16th March 2023. There were 10 teams scrutinized for Yukthi Challenge have participated.

The SSN iFound team has conducted a discussion on the points value propositions, Channels, Customer relationships, Revenue Streams, Key resources, and cost structuring of the project. The business model canvas template was circulated to the teams and they have prepared and given for evaluation.



One day workshop on “Business Model Canvas Workshop - Yukthi Challenge 2023”

The panel discussion was carried out in the morning session by **Dr. N. Bhalaji, ASP/IT, Chief Coordinator, SSN-iFound, Mr. Boniface, Senior Manager, SSN-iFound, Mr. Anandasivaraj, Assistant Manager, SSN-iFound**. The hands-on training on canvas preparation was given to the 10 teams in the afternoon session. The takeaway for the teams was the preparation for Yukthi Challenge submission.

2. 20.3.23 - Innovative Approaches in Carbon Capture Process

This event was organized by IIC member **Dr. S. Ambedkar, ASP/Chem, Dr. K. Sathish kumar, Prof and HoD, the Chairperson** and the student member **S. Prassanna & K. N. Kallki Selvan** of the Department of Chemical Engineering on 20.03.23. A presentation was given outlining the concepts of the carbon capture process for beginners to emphasize the steps involved in Carbon Capture and to expose the participants to innovative approaches in reducing carbon capture process energy demand.

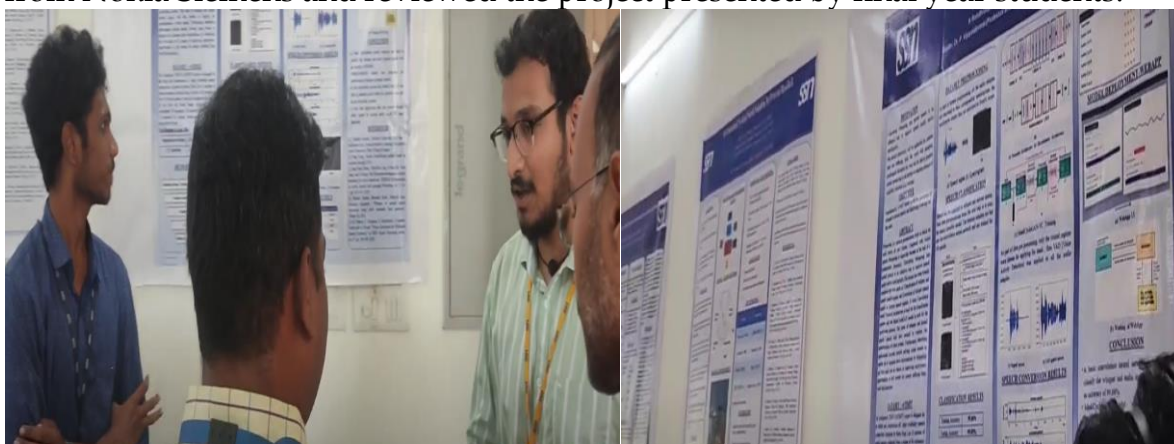


Innovative Approaches in Carbon Capture Process

Dr. Ambedkar of Chemical department has acted as the speaker in the seminar. Following the seminar, training was provided on the Physiochemical property measurements using the equipment's like weighing balance, a viscometer, a tensiometer, a pH meter, and a chittick apparatus. Several regeneration techniques (conventional heating, sonication, and microwave heating) were explained. The processing of a bench scale unit on carbon capture was detailed. The event was conducted for 5 hours and there were 36 students participated.

3. 23.3.23 – Project contest

The project contest was organized by IIC member Dr. S. Ramprabhu, ASP/ECE in the Department of ECE on 23.03.23. Mr. C. Naveenkumar Functional Safety Expert and Mr. Sandeep Sunil, Principal Engineer from Valeo India Private Limited, Mr. Logaraj Sugumar, Solution Architect and Mr Ramesh Madhavan, Senior Solution Architect from Nokia Siemens and reviewed the project presented by final year students.



Project contest

There were totally 135 students in four panels. Best two projects in each panel was awarded with cash prize of INR 1500 and INR 1000. Students eagerly participated in the event and received constructive feedbacks from industry experts.

4. 23.03.23 – “Sustainable Building Construction in the Context of Changing Climate: Opportunities for Innovations”

A keynote address for the inauguration of the 4th International Conference on Sustainable Practices and Innovations in Civil Engineering (SPICE 2023) 23rd and 24th March 2023 by **Dr. N. Sivakumar, Prof and Head / Civil Engineering**, Conference Chair and IIC member **Dr. Srinath Rajagopalan, ASP/Civil, Conveners Dr. Aswin Sriram G and Dr. Surender N** to inculcate the concepts of sustainability and innovation in young Civil Engineers.



The resource person **Dr. Rajasekhar Balasubramanian Professor, Deputy Head (Communication & Engagement) Department of Civil and Environmental Engineering, National University of Singapore** has delivered a keynote talk on Sustainable Building Construction in the Context of Changing Climate: Opportunities for Innovations on has shared his research and industrial experiences and insights in going green and practice sustainable environment-friendly construction techniques to reduce carbon footprint and save time.. On completion of this event, the students were made aware of the different innovative techniques that are available to them to save time, money, and the environment. He encouraged the participants and students to work on sustainable construction. The students interacted with the expert and their questions and doubts were clarified. There were around 75 participants in the event.

5. 29.3.23 – 3D Prototyping - Process, Design and Development?

An expert talk on “3D prototyping – Process, Design and Development” organized by **Dr. V. Rajini, Prof and Head / EEE**, IIC member **Dr. S. Ramprabhu, ASP/ECE** and **Dr. S. Tamilselvi, ASP/EEE** on 29.3.23 to make to students understand the process involved in 3D prototyping.



The resource person **Mr. Sivan Sriman, Founder – Skulpt3D**, Chennai has given the awareness to the students on 3D prototyping process. On completion of this event, the students were able to understand the process and various steps involved in 3D prototyping and applying it to various applications. There were around 30 participants for the event.

6. 30.3.23 – How to Engineer an Entrepreneur out of you?

An expert talk on “How to Engineer an Entrepreneur out of you?” organized by **Dr. N. Sivakumar, Prof and Head / Civil Engineering**, and IIC member **Dr. Srinath Rajagopalan, ASP/Civil** on 30.3.23 to make students understand the process involved in establishing start-ups and running a business.



The resource person **Dr. Kannan Nagarajan, Vice President – Operations at Perfect Steel, Lumberton, Mississippi, USA** has shared his knowledge experience and insights in starting up and running industries in India and USA. On completion of this event, the students were made aware of the hurdles they may face and how to overcome them to run a successful start-up. The students interacted with the expert and their questions and doubts were clarified. There were around 50 participants for the event.

7. YESIST' 12 – IEEE -Youngster's Talent Show Event (Project Competition)

SSN YESIST12 was organized by the SSN IEEE student chapter along with Indian Institutional Council (IIC), IEEE Madras section Photonics society and Signal Processing society on 31st of March 2023 from 9:30 a.m. to 1:30 p.m. The event was coordinated by **Dr T Sree Sharmila, Chair, IEEE Women in Engineering, Madras Section (2023-2024)** and **Dr P Vasuki, SSN - IIC Vice President**

There was a total of 62 teams who registered for SSN YESIST12 out of which 45 teams appeared for the event. The 45 teams were asked for their preferential mode of their presentation and were organized accordingly into 6 panels: 3 virtual and 3 in-person panels. With 18 Judges and Jury members which consists of 7 Alumni: **Mr Sai Vignesh, Senior Software Engineer, M2P Solution**, **Mr Srinivasan, Software Engineer at Alation**, **Ms Pradipta Chandra, Lead, FreshWorks**, **Mr Akshay Karthik, Product Manager, Freshworks**, **Nijin, Practice lead, Sirius Solution**, **Devosh Mahadevan, System Software Engineer at DataStax** **Stalin Kaiser, Associate technical lead at KLA**

as industrial experts and 12 Subject experts from IT,EEE, Chemical and Mechanical department, the event was a grand success and gained the attention of a larger student community.



YESIST' 12 – IEEE -Youngster's Talent Show Event (Project Competition)

We were also overwhelmed by the presence of Dr. Ramalatha, YESIST12 program coordinator during the event. She reviewed and enjoyed the participants presentation and also tried using the products developed them. She found the student's projects very interesting and appreciated their efforts.

Report compiled by Dr.P.Vasuki and Dr.S.Chithra

