

## **Session on “Innovation Triggers”**

**Date: 31st May 2024**

**Venue: CHOSS Space, 5th Floor, Sir. M.V. Block, CIT**

**Time: 02:30AM to 04:30PM**

### **About CHOSS**

Cambridge Institute of Technology has Initiated the Cambrian House of Student Startup (CHOSS) to support striving entrepreneurs Ideate, Develop, and Incubate profitable start-ups. Cambrian House Of Student Startup (CHOSS) is set up to promote innovation and entrepreneurship by converting and translating technology ideas and innovation in various disciplines of science and engineering into products, processes and services for commercial exploitation and the benefit of society. To accomplish its goal, CHOSS an entity of Cambrian Consultancy Centre and Industrial Research (CCCIR) runs and manages incubation and student startup process at Cambridge Institute of Technology (CIT), Bangalore to facilitate incubation of new enterprises with innovative technologies by admitting them in BI and providing them physical, technical, and networking supports and services.

### **CHOSS – VISION**

To provide a platform for students to grow professionally and personally to meet societal needs, and cherish their entrepreneur dreams, through effective engagement, Industrial connect and practical exposure.

### **CHOSS – MISSION**

1. To inspire and transform students into entrepreneurs through various skill development programs, Interdisciplinary connect and Industry collaboration.
2. To accelerate young minds and provide appropriate training and support from ideation to prototype development.
3. To enable knowledge exchange, bridge the gap between youngsters and International Industrial world, ease and stimulate research opportunities between countries.

### SESSION OBJECTIVES

- **Problem Identification:** Teach students to identify and define societal problems.
- **Root Cause Analysis:** Equip students with tools to analyze underlying causes.
- **Solution Brainstorming:** Facilitate the generation of multiple solutions.
- **Empathy Mapping:** Make ideas more user-centric and unique.
- **Solution Refinement:** Enhance solutions based on feedback and insights.

### SESSION OUTCOMES

- **Clear Problem Statements:** Well-defined problem statements addressing societal issues.
- **Root Cause Insights:** Deep understanding of problem root causes.
- **Diverse Solutions:** Generation of various potential solutions.
- **User-Centric Ideas:** Solutions refined through empathy mapping to meet user needs.
- **Enhanced Problem-Solving Skills:** Improved ability to analyze and innovate solutions.

### SPEAKER'S PROFILE

#### **Mr. Srinivas M. Jamkhandi**

**Project Scientist (Centre of Excellence)**

**Dept of Electronic Systems Engineering**

**Indian Institute of Science**

**Bangalore (India)**

**Mob: 9986051925**

**Tel: (080) 2360 8484**



Shri S. M. Jamkhandi is currently working as a Project Scientist, in the Dept of Electronic Systems Engineering, at Indian Institute of Science, Bangalore, coordinating all the activities of the MSME Centre of Excellence at IISc, Bangalore. His current assignments include identifying challenging design projects from the industry, especially MSME sector and supporting them till successful prototype. He also coordinates innovation-led design projects for M. Tech Students at the Institute. At present, he is...

1. Fellow of the Institute of Engineers (India).
2. Member, Board of Governors, National Design & Research Forum (NDRF).
3. Member, Advisory Board, Dassault Centre of Excellence, Vellore.

Shri S. M. Jamkhandi is a 1982-batch electrical engineering graduate from BMS College of Engineering, Bangalore and later continued his graduate research in high power, short-circuit arc-interruption techniques in vacuum media at USA. He was earlier the graduate member of the prestigious Society of Manufacturing Engineers, Ohio, USA. He was a recipient of 'Best Graduate Research Student' award from the then Governor of the Ohio State for his research in short circuit arc interruption in vacuum-media. His vast experience includes working in industry, teaching and research in academic institutions and policy planning and implementation, including promotional scheme development at the Ministry of MSME, Govt of India.

His long career includes successful design and development of a medium voltage Vacuum Circuit Breaker, for which he received an award from the then Karnataka Government. This product was, at that time, the world's lowest energy content breaker developed at 88-Joules. This Vacuum Circuit Breaker is now currently being extensively used throughout Karnataka. Later, he joined Crompton Greaves Ltd as Corporate Technical Marketing Manager before joining Civil Services at Government of India as Director in the Ministry of Industry (MSME) in the rank of Deputy Secretary to Government of India. During this tenure in the

government, he was involved in the development and implementation of many promotional schemes to support technology and innovation. He has also worked as Director (MSME) in charge of Maharashtra, Karnataka, Tamil Nadu, and Pondicherry, before he took retirement in 2017.

### SESSION REPORT

The innovation triggers session began with students learning to identify and articulate societal issues through a presentation on common problems and case studies. They then participated in a root cause analysis workshop, using techniques like the 5 Whys and Fishbone Diagram to develop skills in analyzing root causes. During the solution brainstorming segment, students utilized SCAMPER and Mind Mapping to generate a diverse range of potential solutions. An empathy mapping workshop followed, helping students create empathy maps for potential users and refine their solutions to be more user-centric and unique. The session continued with solution refinement and feedback, where students presented their refined solutions and received constructive feedback from peers and mentors. It concluded with teams preparing and showcasing their final solutions to a panel of judges, who provided further feedback to enhance their ideas.

### GLIMPSES OF THE SESSION



### ATTENDANCE

Innovation Triggers - Attendance 31/05/24	
1) Phinu ventat. # (ICD22A1051)	Hamashree YC - U19NQ22S0008
2) Mohammad Wael Umar (ICD22A1039)	Shreeya - U19NQ22S0035
3) Shaik Mohammed Samdani (ICD22A1052)	Vedashree - U19NQ22S0044
4) N. Rithika Mary (ICD22A1040)	Bhoomika.M. - U19NQ22S0006
5) Gushma Vadlamudi (ICD22A1022)	Minchu - U19NQ22S0034
6) Yashashwini M.V (ICD22CS190)	Tanushree.M.Reddy - U19NQ22S0030
7) Naveen.S (ICD22A1049)	Ramya.HC - U19NQ21S0060
8) EBIN MS (ICD22A1062)	Bhumika.R.G. - U19NQ21S0002
9) Guni Sharon.V.A (U19NQ22S0054)	Nava.S - U19NQ21S0010
10) Jayanth.J (U19NQ22S0053)	Deekshitha.S - U19NQ22S0055
11) Hoonsha C.S (U19NQ22S0020)	Indu Priya.G - U19NQ22S0021
12) Hema.R (U19NQ21S0035) (BCA 6 <sup>th</sup> sem)	Pohini.S - U19NQ22S0004
13) Shivaleep Bana (U19NQ21S0063) (BCA 6 <sup>th</sup> sem)	Pratima.R - U19NQ22S0018
14) K MANOJ (ICD21EC054)	Lalitha.V - U19NQ22S0060
15) BHARATH RAJB (ICD21EC025)	Yuktha.C. - U19NQ22S0045
16) KEERTHI GOWDA HN (ICD21EC057)	B. Gunwarren - U19NQ22S0015
17) R VISHNU DAS (ICD21EL017)	Prajwal.S - U19NQ22S0024
18) Charan kumar Kharade.S (U19NQ21S0064)	Kirana.S - ICD21IS069
19 Syed Ibrahim (U19NQ21S0027).	Bharath Kumar S - ICD21CS022
20 Sandeesh.KN (U19NQ21S0048)	
21 Mathew (U19NQ21S0050)	
22 Navun S (U19NQ21S0040)	
23 Prakash (U19NQ21S0037)	

14 - Engg  
28 - BCA  
42 - Students