



Report of Virtual Session on Innovation Development & Technology
Readiness Level (6th February 2024)

Introduction

On the 6th of February, 2024, the Institution's Innovation Council (IIC Cell) at the Regent Education and Research Foundation Group of Institutions successfully hosted a virtual session titled "Innovation Development & Technology Readiness Level." This session was designed to engage faculty and students in a comprehensive exploration of the processes involved in innovation development and understanding the critical stages of technology readiness, facilitating a deeper insight into the lifecycle of technological advancement and innovation.

Objective

The primary objective of this session was to equip participants with the knowledge and skills necessary to navigate the complexities of innovation development, from conceptualization to implementation. By focusing on Technology Readiness Levels (TRLs), the program aimed to provide a structured framework for assessing and advancing the maturity of new technologies. This endeavor sought to foster an environment that encourages innovation, enhances research capabilities, and prepares participants for the challenges of bringing groundbreaking technologies to market.

Organizing Committee

The program was orchestrated under the leadership of the following IIC Cell Members:

- President: Dr. Arindita Saha
- Convener: Dr. Suman Jana
- Ms. Anamika Basu
- Ms. Debarati Ghosh
- Mr. Subhadip Mondal
- Mr. Bipul Dhali
- Mr. Sabyasachi Mukherjee
- Mr. Suprovat Basu
- Mr. Krishnakanta Maity
- Mr. Arindam Bhadury
- Mr. Sreedip Ghosh

Volunteers:

- Mr. Sarthak Bhattacharya
- Ms. Monalisa Shaw

Resource Person:

The virtual session on "Innovation Development & Technology Readiness Level," held on the 6th of February, 2024, was led by Dr. Roystan Vijay Castelino, the esteemed Manager of R&D at OLA Electric

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Technologies Pvt Ltd, Bengaluru. Dr. Castelino, known for his extensive experience and contributions to the field of technology development and innovation, brought valuable insights and expertise to the session, enriching the learning experience for all participants.

Program Schedule:

Date: 6th February 2024

Time: 11 AM

Mode: Online

Virtual Platform: Google Meet (<https://meet.google.com/vcg-abkb-nqp>)

Host: Ms. Monalisa Shaw

Resource Person: Dr. Roystan Vijay Castelino

- Inauguration (11 AM - 11:15 AM)
- Lecture Session (11:15 AM - 12:15 PM)
- Training Session (12:15 PM - 12:45 PM)
- Q&A Session (12:45 PM - 12:55 PM)
- Vote of Thanks (12:55 PM - 01:00 PM)

Proceedings of the Virtual Session on Innovation Development & Technology Readiness Level (6th February 2024):

The virtual session on "Innovation Development & Technology Readiness Level," held on the 6th of February, 2024, began at 11 AM on Google Meet, under the proficient hosting of Ms. Monalisa Shaw. This event, meticulously organized by the Institution's Innovation Council (IIC Cell) of the Regent Education and Research Foundation Group of Institutions, witnessed an engaging turnout of faculty and students eager to delve into the nuances of technological innovation and readiness.

Inauguration (11 AM - 11:15 AM):

The session commenced with a brief inaugural speech by Ms. Monalisa Shaw, who set the stage for the day's proceedings. The introduction highlighted the session's significance in fostering a deeper understanding of Technology Readiness Levels (TRLs) among participants, underscoring its importance in the R&D lifecycle.

Lecture Session (11:15 AM - 12:15 PM):

Dr. Roystan Vijay Castelino, Manager of R&D at OLA Electric Technologies Pvt Ltd, Bengaluru, took over to deliver a comprehensive lecture on "Introduction to Technology Readiness Levels (TRLs) and Their Importance in the R&D Lifecycle." Dr. Castelino elucidated the concept of TRLs, describing them as a systematic metric to gauge the maturity level of particular technologies. His presentation covered the TRL framework, illustrating how it assists researchers and innovators in identifying the stages of technology development from conceptualization to deployment.

Training Session (12:15 PM - 12:45 PM):

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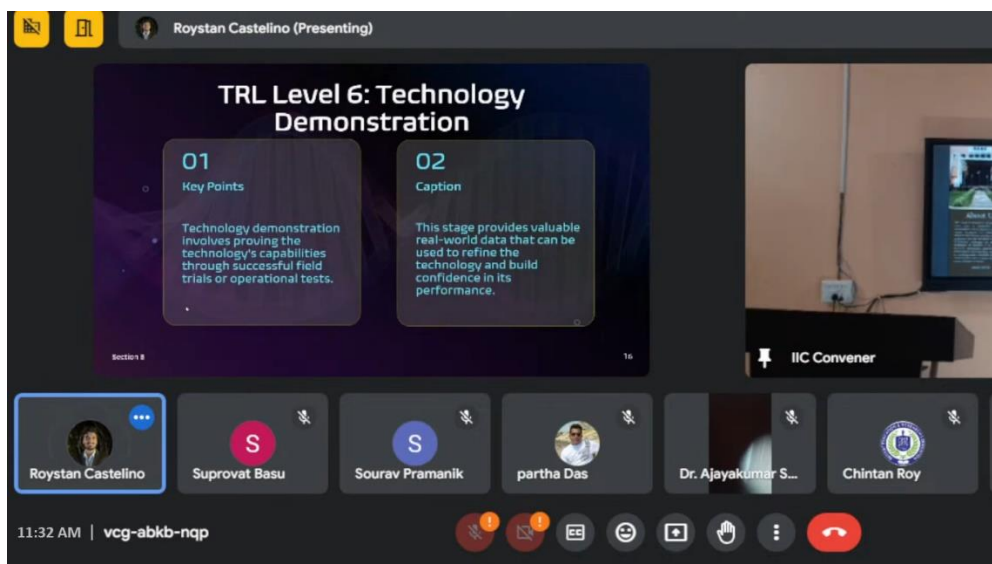
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Following the insightful lecture, Dr. Castelino conducted a hands-on training session focusing on assessing and advancing TRLs in participants' ongoing or conceptual research projects. This segment involved practical activities that allowed attendees to apply the TRL framework to real-world scenarios, enhancing their ability to evaluate and progress the maturity of their innovations.



Q&A Session (12:45 PM - 12:55 PM):

A highly interactive Q&A session ensued, where participants seized the opportunity to clarify their doubts and engage in discussions with Dr. Castelino regarding TRLs. The open forum encouraged a vibrant exchange of ideas, with Dr. Castelino providing expert answers to queries and further elaborating on the practical applications of TRLs in innovation development.

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Vote of Thanks (12:55 PM - 01:00 PM):

The session was brought to a close with a vote of thanks by Dr. Samik Chakraborty, who expressed gratitude towards Dr. Castelino for his enlightening lecture and practical training. Dr. Chakraborty also thanked all participants for their active engagement and contributions, highlighting the session's success in enhancing their understanding of TRLs and its application in research and development.

The virtual session on "Innovation Development & Technology Readiness Level" successfully concluded at 1 PM, leaving participants with valuable insights into the role of TRLs in the innovation process and equipped them with practical skills for advancing technology readiness in their respective projects.

Summary

The virtual session titled "Innovation Development & Technology Readiness Level," organized by the Institution's Innovation Council (IIC Cell) of the Regent Education and Research Foundation Group of Institutions on the 6th of February, 2024, concluded successfully. Hosted on the Google Meet platform, the program attracted a total of 72 participants, comprising 56 students and 16 faculty members, all keen to explore the critical aspects of technological innovation and readiness.

Outcome of the Program:

Guided by the expertise of Dr. Roystan Vijay Castelino, Manager of R&D at OLA Electric Technologies Pvt Ltd, Bengaluru, the session provided a comprehensive overview of Technology Readiness Levels (TRLs) and their pivotal role in the research and development lifecycle. Through a well-structured agenda that included an inauguration, a detailed lecture, an interactive training session, a vibrant Q&A segment, and a closing vote of thanks, participants were engaged in a deep dive into the TRL framework.

The program's emphasis on the practical application of TRLs in assessing and advancing technology maturity offered participants, especially the students and faculty from the engineering and technology disciplines, valuable insights into navigating the complexities of innovation development. The interactive nature of the Q&A session fostered an environment of open discussion, enabling participants to clarify doubts and exchange ideas on the implementation of TRLs in their projects.

Budget:

The budget for the Virtual Session on "Innovation Development & Technology Readiness Level" was meticulously planned to ensure the effective delivery of the session within the constraints of a modest total budget of INR 2000. Below is the detailed allocation of the budget:

1. Honorarium for Resource Person (Dr. Roystan Vijay Castelino):

- Allocation: INR 1500
- Description: A token of appreciation for the valuable time and expertise shared by Dr. Castelino during the session.

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2. Promotional Materials:

- Allocation: INR 300
- Description: Creation and distribution of digital promotional materials to advertise the session across various platforms and to the target audience of students and faculty members.

3. Miscellaneous Expenses:

- Allocation: INR 200
- Description: Contingency fund to cover any unforeseen expenses or last-minute requirements to facilitate the smooth execution of the session.

Total Expenses: INR 2000

This budget allocation was designed to maximize the impact of the session while ensuring financial prudence. The focus was on prioritizing the resource person's honorarium and ensuring technical stability for a seamless online experience, thereby providing a conducive learning environment for all participants. The strategic use of funds allowed the IIC Cell to host a successful and informative session that was both engaging and accessible, aligning with the program's objectives and the institution's commitment to fostering innovation and technological advancement.

Conclusion:

The session was not only educational but also instrumental in bridging the gap between theoretical knowledge and practical application, highlighting the importance of a structured approach to technology development. The significant turnout of both students and faculty underscored the session's relevance and the growing interest in innovation and technology readiness within the academic community. The virtual session on "Innovation Development & Technology Readiness Level" achieved its objective of enhancing participants' understanding of TRLs and equipping them with the skills to apply this knowledge in real-world scenarios. The engagement and positive feedback from the 72 attendees reflected the session's success in contributing to the professional development of students and faculty alike, fostering a culture of innovation and creativity at the Regent Education and Research Foundation Group of Institutions.

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Attendance for Virtual Session on Innovation Development & Technology Readiness
Level (6th February 2024)

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