

One-day workshop on understanding Process of Innovation Development & Technology Readiness Level (TRL) and Commercialisation of Lab Technologies & Tech-Transfer

Activity Report

Academic Year	2023-24
Program Driven by	One-day workshop on understanding Process of Innovation Development & Technology Readiness Level (TRL) and Commercialisation of Lab Technologies & Tech-Transfer
Quarter	II
Program / Activity Name	One-day workshop on understanding Process of Innovation Development & Technology Readiness Level (TRL) and Commercialisation of Lab Technologies & Tech-Transfer
Program Type	One-day workshop on understanding Process of Innovation Development & Technology Readiness Level (TRL) and Commercialisation of Lab Technologies & Tech-Transfer
Program Theme	
Start Date	18-09-2023
End Date	18-09-2023
Duration of the Activity (in Hrs)	2
Number of Student Participant	60
Number of Faculty Participant	8
Number of external Participant	--
Expenditure Amount in Rs.	
Any Remark	--
Mode of Session Delivery	Offline
Objective	
Benefit in terms of Learning / Skills / Knowledge obtained	
Feedback	
Video url (mp4)	
Photograph 1 (jpg)	Attached
Photograph 2 (jpg)	Attached
Overall report of the Activity (pdf)	As given below

Report: One-Day Workshop on Understanding Process of Innovation Development & Technology Readiness Level (TRL) and Commercialization of Lab Technologies & Tech-Transfer

Date: 18th September 2023

Venue: AC Seminar Hall, Mechanical Department

Speaker – Shital Kotle

Introduction: On 18th September 2023, the Mechanical Department of [Name of Institution] organized a one-day workshop focusing on understanding the process of innovation development, Technology Readiness Level (TRL), and the commercialization of lab technologies and technology transfer. The workshop aimed to provide participants with insights into the journey from research and development to commercialization and equip them with the knowledge necessary to bridge the gap between academia and industry.

Objectives:

1. To educate participants about the stages involved in the innovation development process.
2. To familiarize participants with the concept of Technology Readiness Level (TRL) and its significance in assessing technology maturity.
3. To discuss strategies for the commercialization of lab technologies and the transfer of technology from the laboratory to the market.

Workshop Sessions:

1. **Understanding the Innovation Development Process:** The workshop began with an overview of the innovation development process, highlighting the various stages from idea generation to market launch. Participants gained insights into the importance of systematic approaches, collaboration, and iterative refinement in the innovation journey.
2. **Technology Readiness Level (TRL) Framework:** A session was dedicated to explaining the Technology Readiness Level (TRL) framework, which assesses the maturity level of technologies based on their readiness for deployment. Participants learned about the different TRL levels and their implications for technology development and commercialization.
3. **Commercialization Strategies:** The workshop featured discussions on strategies for the commercialization of lab technologies, including intellectual property protection, market analysis, funding mechanisms, and collaboration with industry partners. Case

studies and real-life examples were presented to illustrate successful commercialization strategies.

4. **Tech-Transfer Process:** The workshop concluded with a session focusing on the technology transfer process, which involves transferring innovations developed in the laboratory to the commercial sector. Participants learned about the role of technology transfer offices, licensing agreements, spin-off companies, and other mechanisms for technology transfer.

Outcomes:

1. **Enhanced Understanding:** Participants gained a deeper understanding of the innovation development process, TRL framework, and commercialization strategies.
2. **Increased Awareness:** The workshop raised awareness about the importance of bridging the gap between academia and industry and fostering technology transfer and commercialization.
3. **Empowered Participants:** Participants were equipped with knowledge and tools to facilitate the commercialization of lab technologies and contribute to the innovation ecosystem.
4. **Networking Opportunities:** The workshop provided networking opportunities for participants to interact with experts, industry professionals, and peers, fostering collaboration and knowledge exchange.

Conclusion: The one-day workshop on understanding the process of innovation development, Technology Readiness Level (TRL), and commercialization of lab technologies was a valuable learning experience for all participants. By providing insights into key concepts and strategies, the workshop empowered participants to navigate the complex landscape of technology development and commercialization effectively.

Acknowledgments: We extend our sincere gratitude to all the speakers, organizers, participants, and sponsors who contributed to the success of the workshop. Special thanks to the Mechanical Department of [Name of Institution] for hosting the event and providing support.



