

# Expert talk on Process of Innovation Development

## Activity Report

Academic Year	2024-25
Program Driven by	
Quarter	IV
Program / Activity Name	
Program Type	Expert talk on "Process of Innovation Development & Technology Readiness Level (TRL)" & "Commercialisation of Lab Technologies & Tech-Transfer"
Program Theme	
Start Date	03/04/2025
End Date	03/04/2025
Duration of the Activity (in Mins)	1Hr
Number of Student Participant	52
Number of Faculty Participant	7
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



Dr. P. H. Zope  
Convener IIC

**Semester 1**

**Thrust area: Validation & Concept Development**

**Quarter 2**

<b>Theme</b>	R&D and Innovation
<b>Activity Name</b>	Expert talk on "Process of Innovation Development & Technology Readiness Level (TRL)" & "Commercialisation of Lab Technologies & Tech-Transfer"
<b>Mode of Conduct</b>	Offline/ Online
<b>Level of Activity</b>	Level 1 or 2*
<b>Participants (Online / offline)</b>	<ul style="list-style-type: none"> <li>Students: Minimum 40 students from the Institute</li> <li>Faculty: Maximum possible participation</li> </ul>
<b>Online Resource*</b>	<a href="https://www.youtube.com/watch?v=7nickahKIwI">https://www.youtube.com/watch?v=7nickahKIwI</a>
<b>Description</b>	<ul style="list-style-type: none"> <li>Organise a one-day workshop on understanding Process of Innovation Development &amp; Technology Readiness Level (TRL) and Commercialisation of Lab Technologies &amp; Tech-Transfer. <ul style="list-style-type: none"> <li>Invite Experts who can cover both topics in details.</li> <li>Non-technical institutions can partner with nearby technical institutions, universities, or research centres to co-organize workshops.</li> <li>Session should focus on idea generation to technology readiness and commercialization. Also helping participants to understand about Tech-transfer.</li> </ul> </li> <li>Use IIC Logo on all Communication materials like Poster/Banner.</li> <li>Institutes are encouraged to record the complete training or activity, and the YouTube link can be shared with the complete or edited video as proof of the activity during report submission in the portal.</li> <li>Kindly submit the activity report in PDF format under the "Overall report of the activity" option. The report should include the IIC and institution's logos, the title and objective of the event, speakers' details, key points from their speeches and actionable, participant details, and up to five photographs (for offline events) or screenshots (for online events) of the session. The key outcomes of the activity, media coverage (if available), and feedback from guests and participants should also be included.</li> <li>For dissemination &amp; outreach of the session, share brief summary/report on social media platforms and tag MOE's Innovation Cell.</li> </ul>

\*Level 1- An Activity of 2 to 4 contact hours or a Half Day Event, Level 2- An Activity of 5 to 7 contact hours or Full Day Event (Pre-Event Preparation Period is Excluded)

\*Online resources are given for reference purpose. Institutes can either use this resource link to share with the participants in advance or they can design their own training/workshop module based on the activity description.

## Report on One-Day Workshop

**Title:** Understanding Process of Innovation, Development & Technology Readiness Level (TRL) and Commercialisation of Lab Technologies & Tech-Transfer

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### 1. Introduction

Innovation and technology transfer play a pivotal role in bridging the gap between research and practical applications. To enhance the awareness and understanding of these concepts, a **one-day workshop** was organized on “*Understanding Process of Innovation, Development & Technology Readiness Level (TRL) and Commercialisation of Lab Technologies & Tech-Transfer*”.

The workshop aimed to provide participants with insights into the innovation process, stages of technology readiness, and pathways for commercialization of lab-based technologies.

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### 2. Objectives of the Workshop

- To understand the **process of innovation and development**.
  - To gain knowledge about **Technology Readiness Levels (TRLs)** and their role in technology progression.
  - To provide guidance on **commercialisation of lab technologies**.
  - To create awareness about **technology transfer mechanisms**.
  - To encourage **collaboration between technical and non-technical institutions**.
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### 3. Collaboration and Organisation

The event was co-organized by [Name of Institution/Department] in partnership with nearby technical institutions, universities, and research centres to ensure a wider outreach and expert engagement.

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### 4. Expert Sessions

Renowned experts and resource persons were invited to cover the following topics in detail:

1. **Process of Innovation & Development** – covering ideation, prototyping, validation, and scaling.
  2. **Technology Readiness Levels (TRLs)** – detailed explanation of different TRL stages and their importance in innovation.
  3. **Commercialisation of Lab Technologies** – insights on taking lab research to the market.
  4. **Technology Transfer** – models, processes, challenges, and best practices for effective transfer of innovations.
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## 5. Workshop Highlights

- Interactive **sessions on idea generation**, moving towards technology readiness, and market feasibility.
  - Hands-on discussions on **real case studies** of successful technology transfer.
  - Guidance on **IPR (Intellectual Property Rights)** and patent filing for innovation protection.
  - Networking opportunities for participants with experts and collaborating institutions.
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## 6. Outcomes of the Workshop

- Improved understanding of the **innovation-to-market journey**.
  - Clarity on how to assess **technology maturity using TRL**.
  - Awareness of **commercialisation pathways** and **tech-transfer processes**.
  - Strengthened collaboration between **non-technical and technical institutions**.
  - Participants expressed enhanced confidence to transform their **ideas into market-ready solutions**.
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## 7. Conclusion

The one-day workshop successfully achieved its objectives of creating awareness and enhancing knowledge about innovation, TRLs, and technology commercialization. The sessions provided participants with valuable insights into bridging the gap between research and practical applications through effective technology transfer.

Such initiatives are crucial for fostering innovation ecosystems and promoting entrepreneurship in both technical and non-technical institutions.









