



**SAL COLLEGE OF ENGINEERING**

**Department of Information Technology**

**Webinar**

**On**

**“Process of Innovation Development - Prototyping”**

"The impact of Artificial Intelligence on Innovation"

**On 11<sup>th</sup> FEB, 2021.**



**Webinar Conducted by:- Prof. Nilam Thakkar**

Director & Principal: - Dr. Rupesh Vasani

Head of Department:- Dr. Vidhi Khanduja



**Date:** 11/02/2021

**Venue:** SAL College of Engineering

**Mode of Webinar:** Online – Google meet

**Title of Webinar:** Process of Innovation Development - Prototyping

**No. of students Participated:** 101

**No. of faculties Participated:** 1

**No. of external Participated (if any):** Nil

**Objective:**

**Conduct a session and help students with their ideas/POCs in developing the prototypes.**

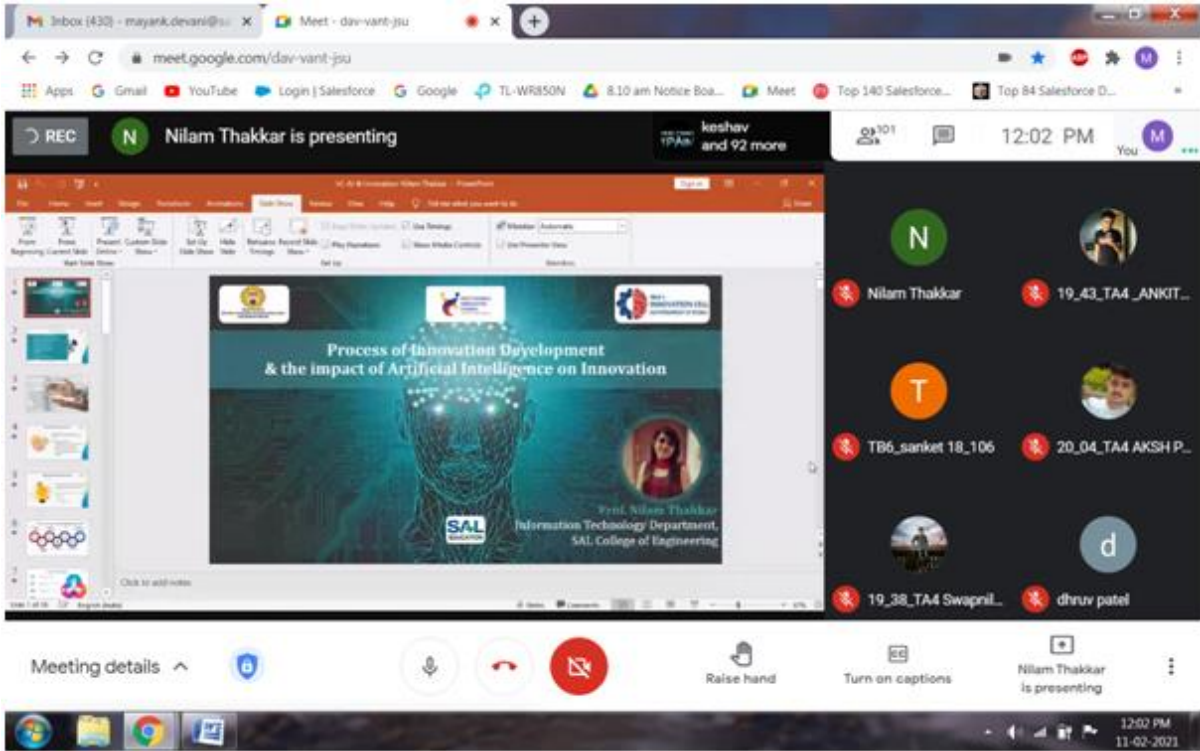
Various Technology projects are taken by students that offer solutions or processes that solve a technical problem. However the market implementation of such solutions also requires that the problem solution is designed to overcome not just the technical barriers but also market and business related barriers of costs, customer reach and collaborations and those that pertain to the practical nature of limited initial capacities within the team. This activity enabled students to have a clear understanding on the steps required to ensure that whatever solution they develop through prototype as their project should have a user who can afford it with desired needs. This session also helped students about how to develop prototype of the proposed problem.

**About the Event:**

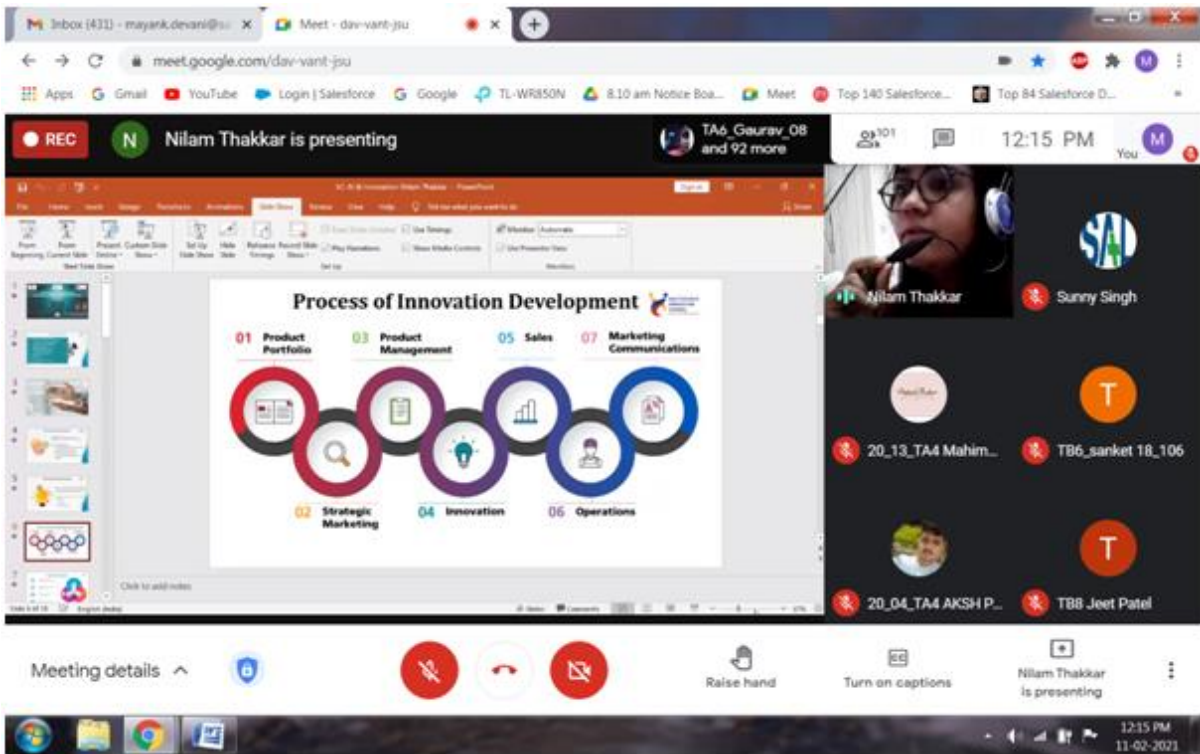
The Department of Information Technology of SAL College of Engineering has organized a webinar on “Process of Innovation Development - Prototyping” for the 2<sup>nd</sup> Year Students. This webinar was organized so that students can understand the market situation and prepare their prototype according to the requirement.

**Highlights of the Webinar:**

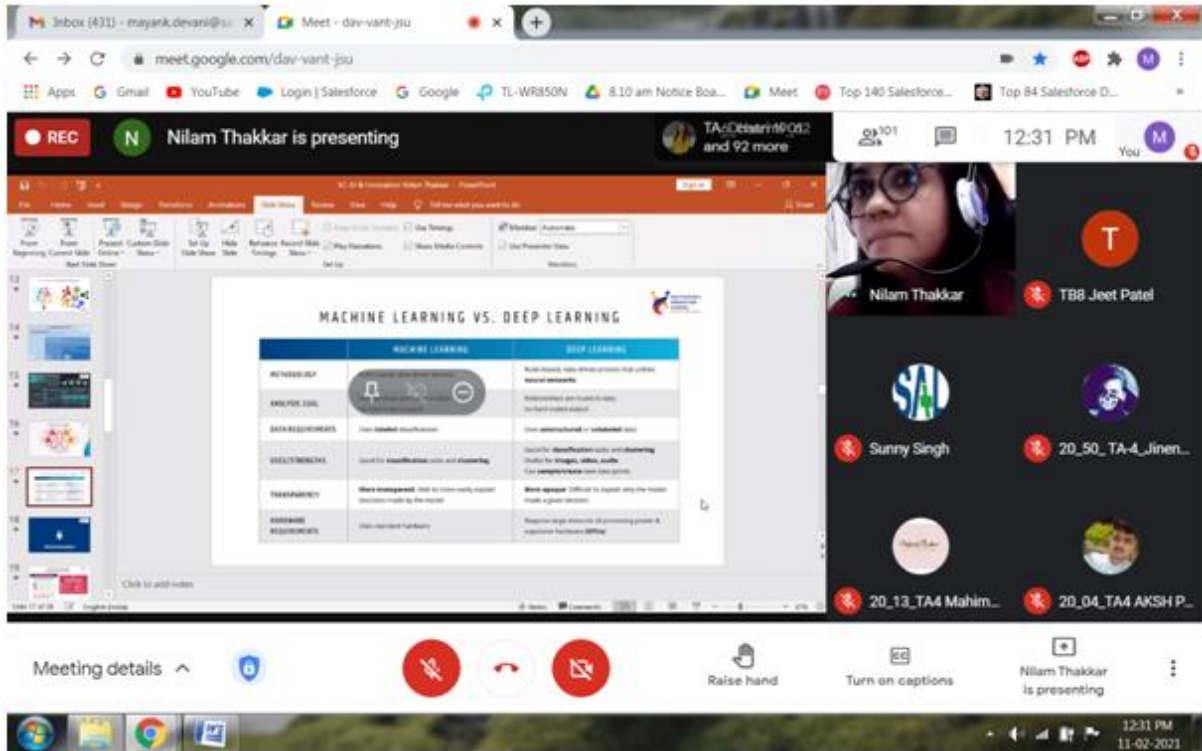
The webinar started with the basic introduction of the topic and the Introduction of Institution’s Innovation Council. The Process of innovation development was explained by the speaker. How to convert an idea into solution by making prototype which adds value from a customer’s stand point, goal of innovation and innovation through Artificial Intelligence were discussed and explained to students.



The screenshot shows a Google Meet interface. The main window displays a presentation slide with the title "Process of Innovation Development & the Impact of Artificial Intelligence on Innovation". The slide features a central image of a human head with neural connections and logos for MoE's Innovation Cell, Institution's Innovation Council, and SAL. The presenter is identified as Nilam Thakkar. The meeting controls at the bottom include a microphone icon, a red mute button, a red video off button, a hand raise icon, a captions icon, and a "Nilam Thakkar is presenting" notification. The system tray at the bottom right shows the time as 12:02 PM on 11-02-2021.

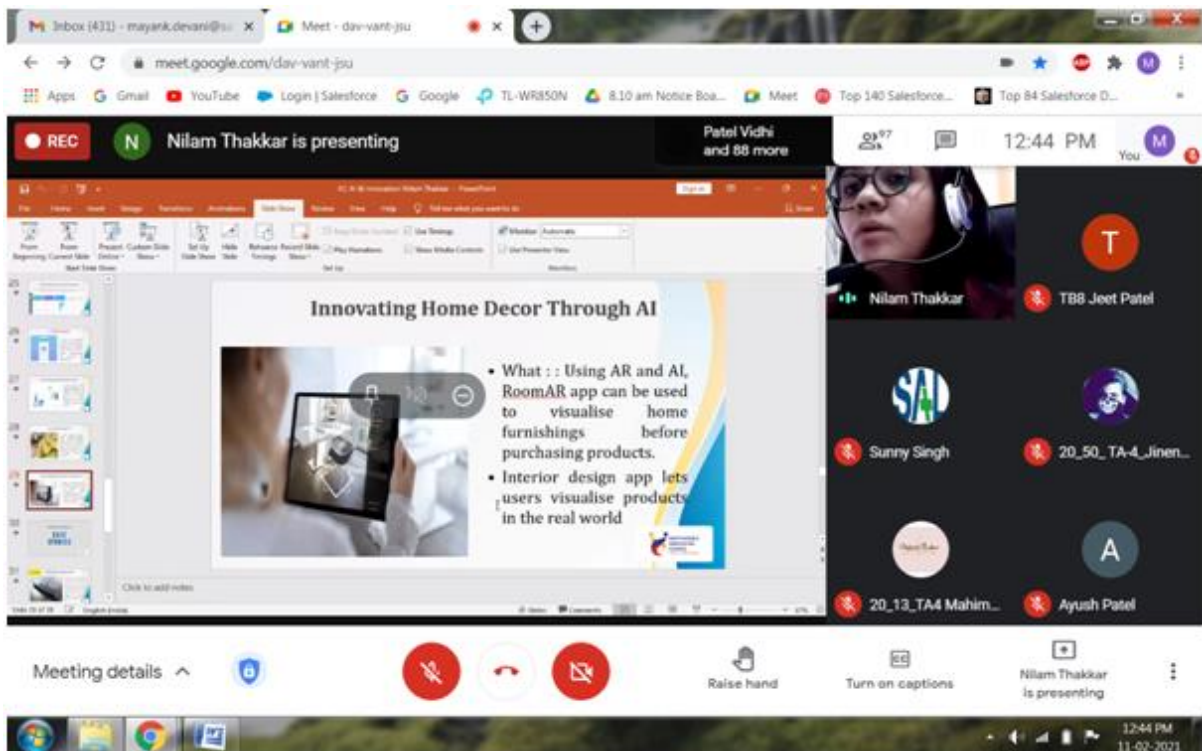


The screenshot shows a Google Meet interface. The main window displays a presentation slide titled "Process of Innovation Development" featuring a circular flow diagram with seven steps: 01 Product Portfolio, 02 Strategic Marketing, 03 Product Management, 04 Innovation, 05 Sales, 06 Operations, and 07 Marketing Communications. The presenter is identified as Nilam Thakkar. The meeting controls at the bottom include a microphone icon, a red mute button, a red video off button, a hand raise icon, a captions icon, and a "Nilam Thakkar is presenting" notification. The system tray at the bottom right shows the time as 12:15 PM on 11-02-2021.



Meeting details: 12:31 PM, 11-02-2021. Nilam Thakkar is presenting.

	MACHINE LEARNING	DEEP LEARNING
PROCESSING	Simple process	More complex, takes more resources that require neural networks
ANALYSIS TOOL	Simple	Advanced and complex to use, but more robust
DATA REQUIREMENTS	Less labeled requirements	More unstructured or unlabeled data
APPLICATIONS	Used for classification, regression and clustering	Used for classification, regression and clustering (used for images, video, audio, for complex tasks such as chatbots)
TRANSPARENCY	More transparent, able to trace every output decision made by the model	More opaque, difficult to explain why the model made a given decision
REQUIRED RESOURCES	Less hardware hardware	Requires large amounts of processing power & expensive hardware (GPU)



Meeting details: 12:44 PM, 11-02-2021. Nilam Thakkar is presenting.

**Innovating Home Decor Through AI**

- What : : Using AR and AI, RoomAR app can be used to visualise home furnishings before purchasing products.
- Interior design app lets users visualise products in the real world



Total 101 Students have participated in this webinar by online mode of Google meet.

The link given to the students for online Webinar was <https://meet.google.com/dav-vant-jsu>

**Report Prepared By:**

Prof. Nilam Thakkar