

Department of Information Technology

Spoken Tutorials (ST), IIT Bombay

Duration of MoU: From 17/10/2019 to 16/10/2023.

Nature of MoU: IPR/ Patent Consultancy

List of Activities conducted under above MoU in Academic Year 2022-23.

S.No.	Date	Duration	Title of Activity	Nature of Activity(Expert Talk/Training/Internship etc.)	No. of Participants
1.	07/02/2023	2 weeks	SciLab	FDP	47
2.	27/05/2023	1 days	Java Training	Training	68



Name, Designation and Signature of First Party

Principal

SVKM's Institute of Technology, Dhule



Name, Designation and Signature of Second Party



A
Activity Report

National Level Two Weeks Faculty Development Program

on

‘SCILAB’

(An open Source Alternative to Matlab)



Organized by,

Department of Information Technology

in association with

IIT Bombay

(Remote Learning Through Spoken Tutorial)

Technically Supported by ISTE

**Shri Vile Parle Kelavani Mandal’s
SVKM’s Institute of Technology,
Dhule**

INTRODUCTION

Aim: To provide the platform for faculty to learn and enhance their skills on using Scilab.

Objective: As Scilab is an open source alternative to Matlab, faculties can use scilab in their mathematical computation in their research and academics.

Name of Program: National Level Two Weeks Faculty Development Program on 'SCILAB' (An open Source Alternative to Matlab)

Date: 24 January 2023 to 07 February 2023

Organizing Chair: Dr. Nilesh Salunkhe, Principal

Convener: Dr. Bhushan Chaudhari, Associate Professor & HOD, Dept. of IT

Training Coordinator: Ms. Vidya Kadam, Trainng Manager, Maharashtra State, Spoken Turorial, IIT, Bombay

Event Coordinator:

1. Mr. Mangesh Balpande (Assistant Professor)
2. Mr. Niteen Dhutraj (Assistant Professor)

Organizing Team:

1. Mr. Sagar Badjate (Assistant Professor)
2. Ms. Rubi Mandal (Assistant Professor)
3. Mr. Sachin Kamble (Assistant Professor)
4. Ms. Madhuri Patil (Assistant Professor)

Department of Information Technology, Shri Vile Parle Kelvani Mandal's Institute of Technology, Dhule had organized an online National Level Two Weeks Faculty Development Program on 'SCILAB' (An open Source Alternative to Matlab) from 24th January 2023 to 7th February 2023 in association with IIT Bombay (Remote Learning Through Spoken Tutorial). There were 49 faculties attended the program & have send participated E-certificates from IT department, SVKM's IOT, Dhule. Training Coordinator, Ms. Vidya Kadam, (Trainng Manager, Maharashtra State, Spoken Turorial, IIT, Bombay) had coordinated and managed resource of pdf. The inauguration was carried out on online platform by Principal Dr. Nilesh Salunke and Dr. Bhushan Chaudhari provided the

outline of fdp to participants.

Outcomes

To Develop programs in Scilab.

To Evaluate, analyze and plot results.

To Perform mathematical Modelling in Scilab.

To demonstrate Linear algebra and Signal processing

Objectives

To Demonstrate arrays, conditional statements, loops, functions, and plots.

To Develop Functions related to Linear Algebra and Signal Processing.

To demonstrate the mathematical Modelling in Scilab.

Flyer of FDP



Shri Vile Parle Kelavani Mandal's INSTITUTE OF TECHNOLOGY, DHULE

Behind Gurudwara, Mumbai-Agra Highway, Dhule 424001.

Department of Information Technology

Organizing

**SELF
PACED**

NATIONAL LEVEL TWO WEEKS FACULTY DEVELOPMENT PROGRAM

in association with



IIT, Bombay



(Remote Learning Through Spoken Tutorial)

Technically Sponsored By ISTE

on

SCILAB

(AN OPEN SOURCE ALTERNATIVE TO MATLAB)

E-certificate will be offered after
qualifying the post-FDP evaluation test.

- **No registration fees for SVKM's IoT faculties.**
- **Registration fees for other institute faculties is Rs. 590/-**

24 JAN. TO 07 FEB. 2023

REGISTRATION LINK:

[FOR SVKM IOT FACULTIES](#)

<https://forms.office.com/r/aKZCYVJyCW>

[FOR OTHER INSTITUTE FACULTIES](#)

https://spokentutorial.org/training/list_event/ongoing/?page=9

Last date of Registration: 22 Jan 2023

Training Coordinator

Ms. Vidya Kadam

Training Manager,
Maharashtra State,
Spoken Tutorial, IIT Bombay
www.spoken-tutorial.org

Event Coordinators

Mr. Mangesh Balpande

Assistant Professor, Dept. of IT

Mr. Niteen Dhutraj

Assistant Professor, Dept. of IT

Convener

Dr. Bhushan Chaudhari

Associate Professor & HOD,
Department of IT

Organizing Chair

Dr. Nilesh Salunke

Principal

Organizing Committee

Mr. Sagar Badjate

Ms. Rubi Mandal

Mr. Sachin Kamble

Ms. Madhuri Patil

 **Contact:** +91-9145551597, 9404115623

 www.svkm-iot.ac.in

Follow us on:     /svkmiotdhule

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niteen.dhutraj@svkm.ac.in

Schedule of FDP

Inaugural Ceremony

Date : 24/01/2023

Time : 10:30 am to 11:00 am

Welcome Address and Introduction of Two Week Faculty Development Programme by

Dr. Bhushan Chaudhari

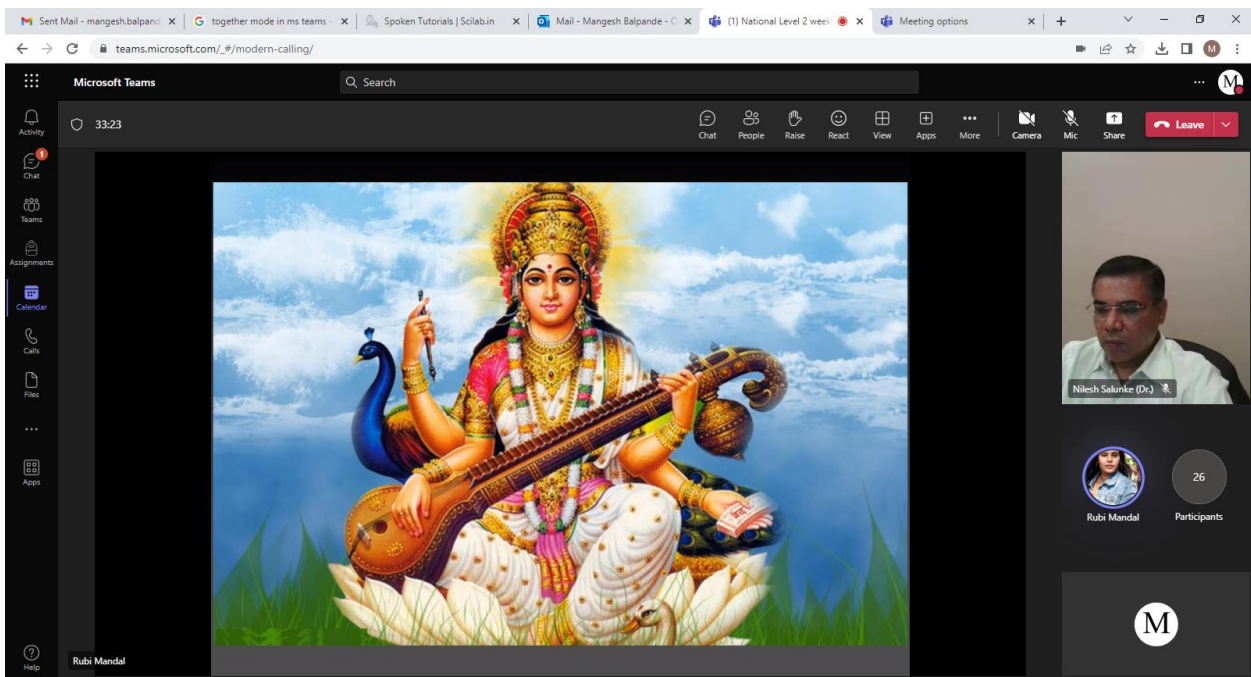
Associate Professor & Head of Department,

Date	Day	Time	Topic Name	Program Link
24/01/2023	Day1	11:00 am to 11:30 am	Introduction to Scilab and its benefits	https://spoken-tutorial.org/watch/Scilab/Introduction+to+Scilab+and+its+benefits/English
		11:30 am -12:00 pm	Self-learning of Scilab through Spoken Tutorials	https://spoken-tutorial.org/watch/Scilab/Self+learning+of+Scilab+through+Spoken+Tutorials/English
		12:00 pm -1:00 pm	The amazing resource of Scilab Textbook Companion	https://spoken-tutorial.org/watch/Scilab/The+amazing+resource+of+Scilab+Textbook+Companion/English
25/01/2023	Day 2	11:00 am to 11:30 am	Scilab Lab migration, Toolboxes and Forums	https://spoken-tutorial.org/watch/Scilab/Scilab+Lab+migration%2C+Toolboxes+and+Forums/English
		11:30 am -12:00 pm	Installing	https://spoken-tutorial.org/watch/Scilab/Installing/English
		12:00 pm -1:00 pm	Getting Started	https://spoken-tutorial.org/watch/Scilab/Getting+Started/English
26/01/2023	Day 3	11:00 am to 11:30 am	Vector Operations	https://spoken-tutorial.org/watch/Scilab/Vector+Operations/English
		11:30 am -12:30 pm	.Matrix Operations	https://spoken-tutorial.org/watch/Scilab/Matrix+Operations/English
		12:30 pm -1:00 pm	Conditional Branching	https://spoken-tutorial.org/watch/Scilab/Conditional+Branching/English
27/01/2023	Day 4	11:00 am to 11:30 am	Iteration	https://spoken-tutorial.org/watch/Scilab/Iteration/English
		11:30 am -12:30 pm	Scripts and Functions	https://spoken-tutorial.org/watch/Scilab/Scripts+and+Functions/English

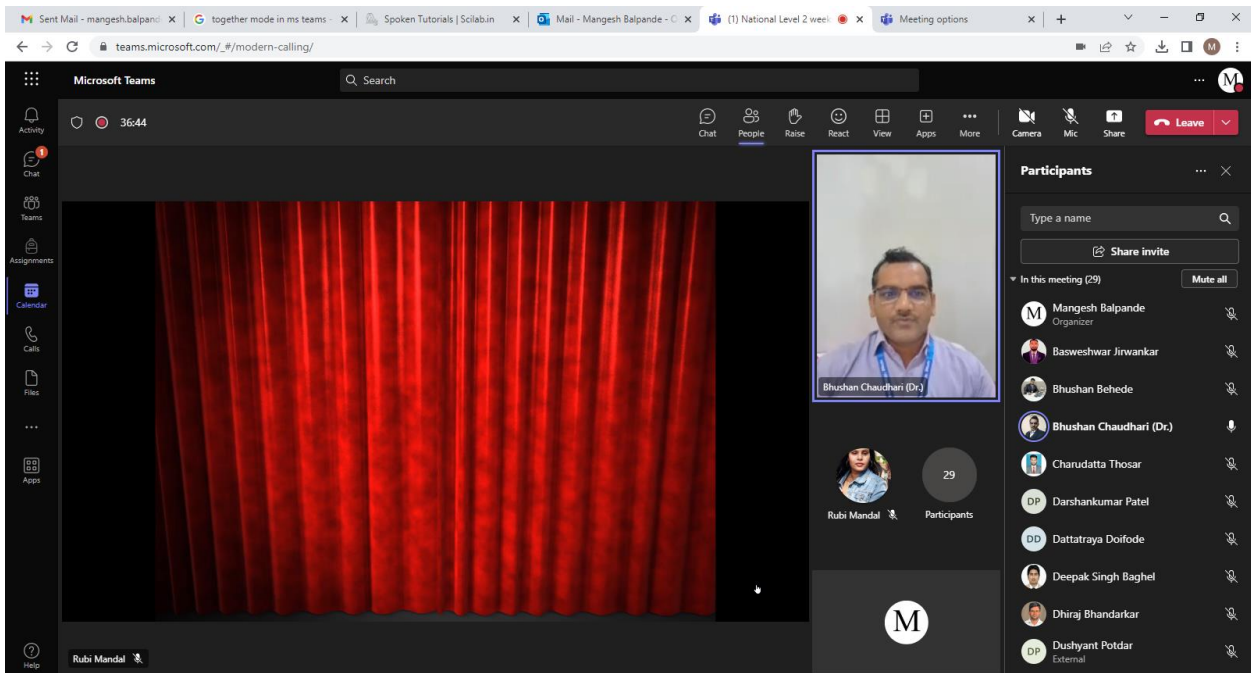
28/01/2023	Day 5	11:00 am to 12:00 pm	Plotting 2D graphs	https://spoken-tutorial.org/watch/Scilab/Plotting+2D+graphs/English
		12:00 pm -1:00 pm	.Xcos Introduction	https://spoken-tutorial.org/watch/Scilab/Xcos+Introduction/English
30/01/2023	Day 6	11:00 am to 11:30 am	File handling	https://spoken-tutorial.org/watch/Scilab/File+handling/English
		11:30 am -12:30 pm	Defined Input and Output	https://spoken-tutorial.org/watch/Scilab/User+Defined+Input+and+Output/English
31/01/2023	Day 7	11:00 am to 12:00 pm	Integration	https://spoken-tutorial.org/watch/Scilab/Integration/English
		12:00 pm -1:00 pm	Solving Non-linear Equations	https://spoken-tutorial.org/watch/Scilab/Solving+Non+linear+Equations/English
01/02/2023	Day 8	11:00 am to 12:00 pm	Linear equations Gaussian Methods	https://spoken-tutorial.org/watch/Scilab/Linear+equations+Iterative+Methods/English
		12:00 pm -1:00 pm	Linear equations Iterative Methods	https://spoken-tutorial.org/watch/Scilab/Matrix+Operations/English
		1:30 pm -2:30 pm	Interpolation	https://spoken-tutorial.org/watch/Scilab/Interpolation/English
02/02/2023	Day 9	11:00 am to 12:00 pm	ODE Euler methods	https://spoken-tutorial.org/watch/Scilab/ODE+Euler+methods/English
		12:00 pm -1:00 pm	ODE Applications	https://spoken-tutorial.org/watch/Scilab/ODE+Applications/English
		1:30 pm -2:30 pm	.Optimization Using Karmarkar Function	https://spoken-tutorial.org/watch/Scilab/Optimization+Using+Karmarkar+Function/English
03/02/2023	Day 10	11:00 am to 11:30 am	Digital Signal Processing	https://spoken-tutorial.org/watch/Scilab/Digital+Signal+Processing/English
		11:30 am -12:30 pm	Control systems	https://spoken-tutorial.org/watch/Scilab/Control+systems/English
		12:30 pm -1:30 pm	Discrete systems	https://spoken-tutorial.org/watch/Scilab/Discrete+systems/English

04/02/2023	Day 11	11:00 am to 12:00 pm	Calling User Defined Functions in XCOS	https://spoken-tutorial.org/watch/Scilab/Calling+User+Defined+Functions+in+XCOS/English
		12:00 pm -1:00 pm	Simulating a PID controller using XCOS	https://spoken-tutorial.org/watch/Scilab/Simulating+a+PID+controller+using+XCOS/English
05/02/2023	Day 12	11:00 am to 12:00 pm	Developing Scilab Toolbox for calling external C libraries	https://spoken-tutorial.org/watch/Scilab/Developing+Scilab+Toolbox+for+calling+external+C+libraries/English
		12:00 pm -1:00 pm	Developing Scilab Toolbox for calling Python and its functions	https://spoken-tutorial.org/watch/Scilab/Developing+Scilab+Toolbox+for+calling+Python+and+its+functions/English
06/02/2023	Day 13	11:00 am to 11:30 am	Interactive Simulation in Xcos using slider	https://spoken-tutorial.org/watch/Scilab/Interactive+Simulation+in+Xcos+using+slider/English
		11:30 am -12:00 pm	User-defined variables in Xcos	https://spoken-tutorial.org/watch/Scilab/User-defined+variables+in+Xcos/English
		12:00 pm -1:00 pm	Loading and saving data in Xcos	https://spoken-tutorial.org/watch/Scilab/Loading+and+saving+data+in+Xcos/English
07/02/2023	Day 14	11:00 am to 11:30 am	Conditional operations in Xcos	https://spoken-tutorial.org/watch/Scilab/Conditional+operations+in+Xcos/English
		11:30 am -12:30 pm	Super Blocks in Xcos	https://spoken-tutorial.org/watch/Scilab/Super+Blocks+in+Xcos/English
07/02/2023		03:30 pm -04:30 pm	Address to queries of participants by Prof. Mangesh Balpande, Asst. Professor, IT Department	
		04:30 pm-05:00	Vote of Thanks	Ms. Rubi Mandal Asst. Professor, IT Department
Online Assessment and Feedback				

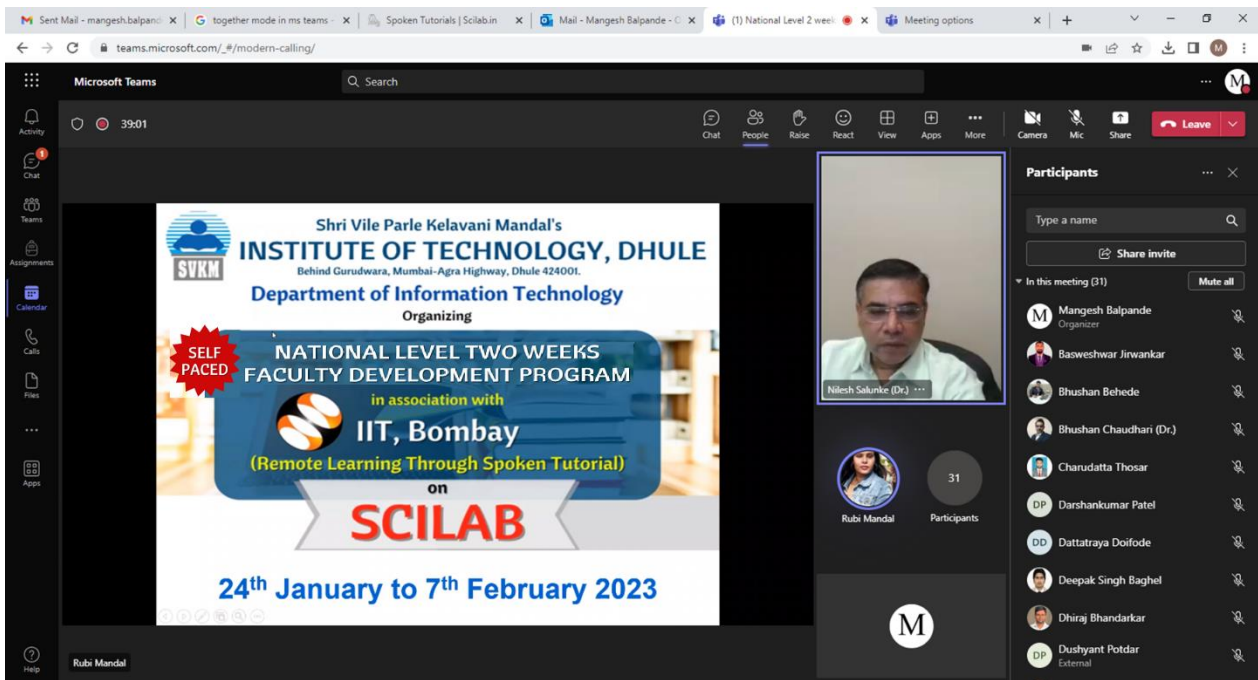
Glimpses of Inauguration



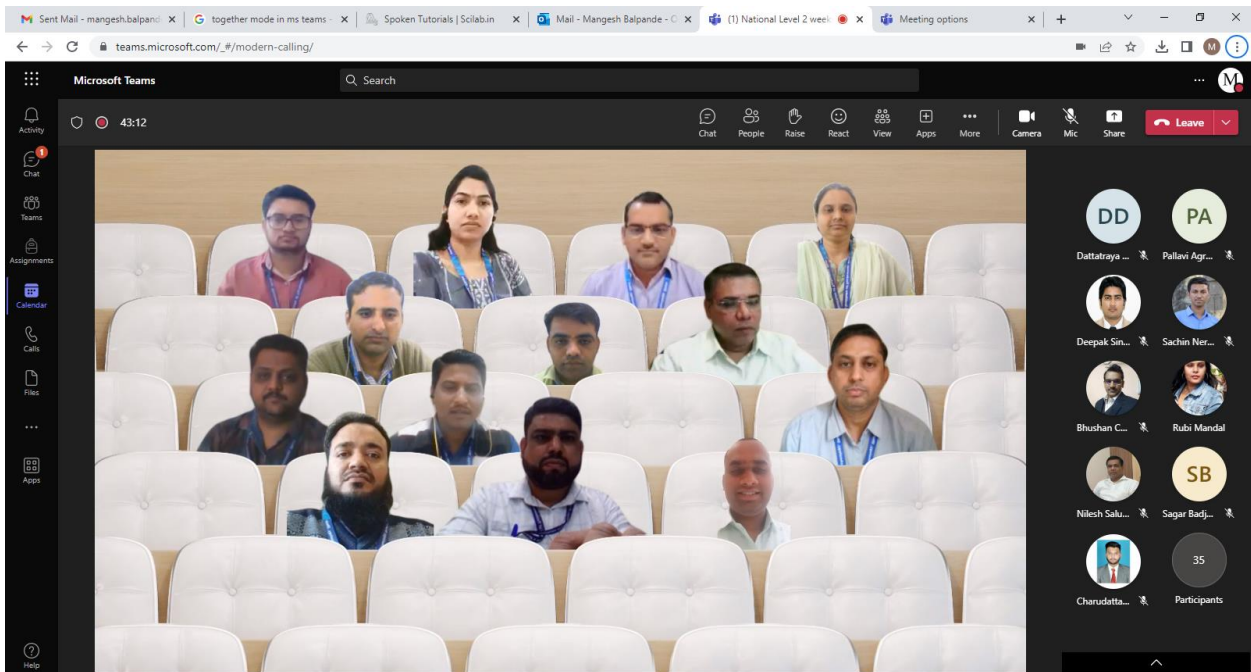
Inauguration started with Sarasvati Vandan



Dr. Bhushan Chaudhari sir provided the outline of fdp

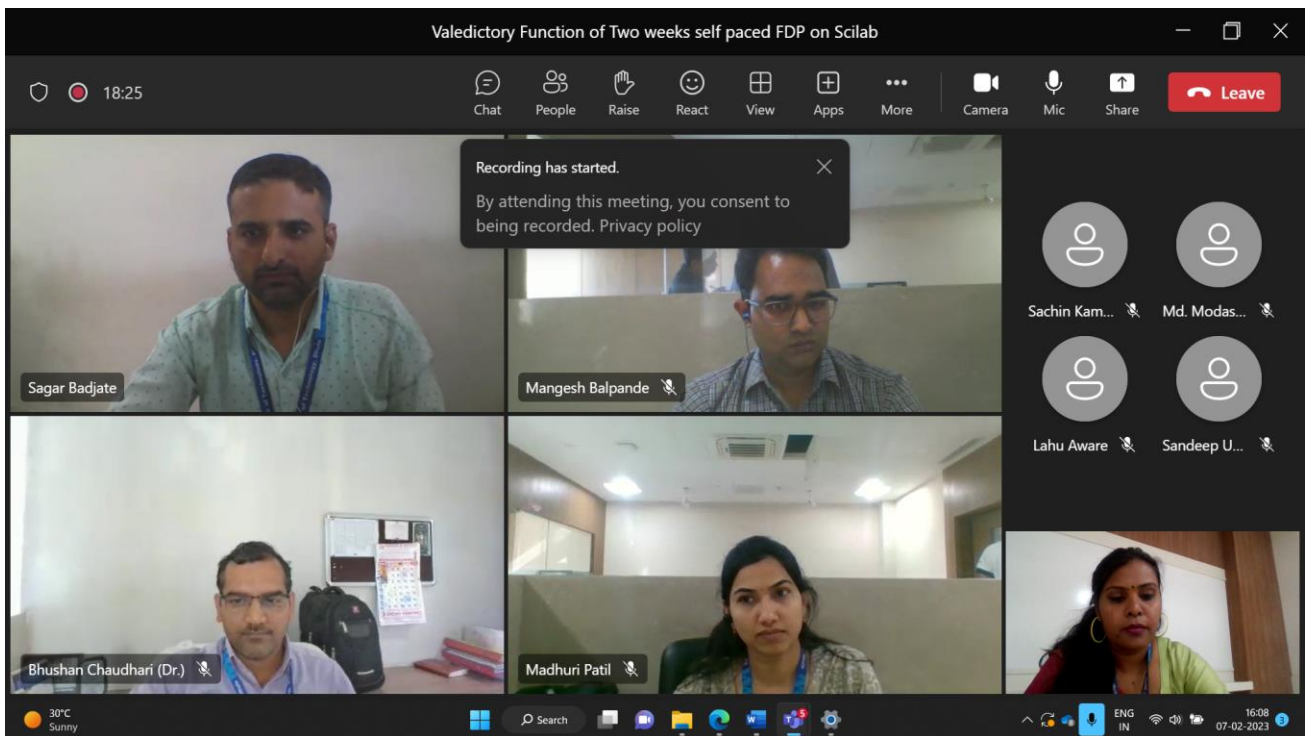


FDP inaugurated by Principal Dr. Nilesh Salunke sir and address the participants.

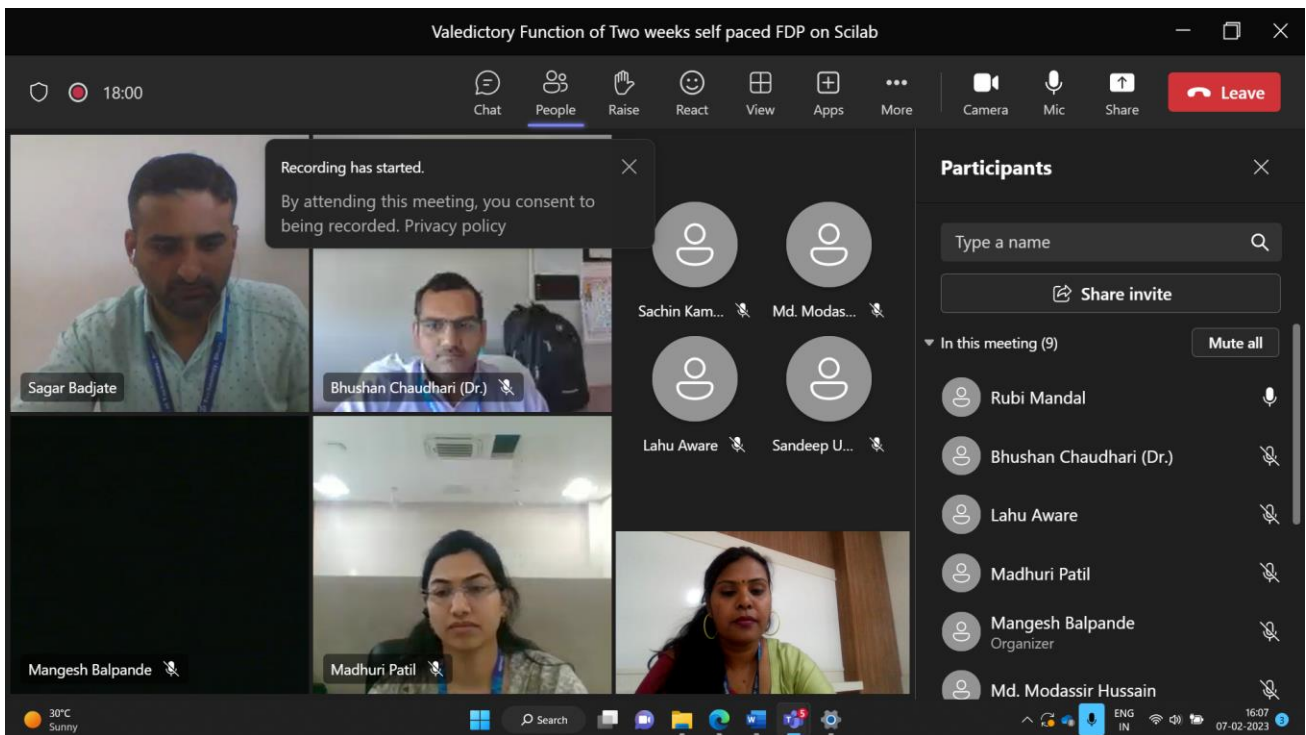


Group Photo

Glimpses of Valedictory



Prof. Mangesh Balpande addressed the queries of participants



Prof. Rubi Mandal gave the vote of Thanks

List of Participants

Sr. No.	Name	Institute	Email (provide gmail account)
1	Dr. Nilesh Salunke	SVKM's IOT, Dhule	sainilesh1@gmail.com
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45	Mr. Manohar Patil	R. C. Patel IOT, Shirpur	manohar.patil@rcpit.ac.in
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47	Dr. Vishal Moyal	SVKM's IOT, Dhule	vishalmoyal@gmail.com

Feedback from Participant

4. How was the overall organization of the FDP?

[More Details](#)

Extremely Good Good Satisfied Not satisfied



5. How relevant was the content discussed in FDP?

[More Details](#)

Extremely Good Good Satisfied Not satisfied



6. Are you satisfied with the self-paced FDP?

[More Details](#)

Extremely Good Good Satisfied Not satisfied



7. Did the FDP cover the topic what you looking for?

[More Details](#)

Extremely Good Good Satisfied Not satisfied



8. How much FDP was useful from the knowledge and information point of view?

[More Details](#)

Extremely Good Good Satisfied Not satisfied



9. Overall effectiveness of the Self-paced FDP.

[More Details](#)

Extremely Good Good Satisfied Not satisfied



Certificates

Certificate of fdp provided by Spoken Tutorial, IIT Bombay after completion.





Spoken Tutorial
Project at
IIT Bombay

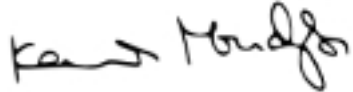
Certificate for the Completion of Java Training

This is to certify that **YOGESH WANI** has successfully completed **Java** test organized at **Shri Vile Parle Kelavani Mandal's Institute Of Technology, Dhule** by **Niteen Dhutraj** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

NILESH PAWAR from **Shri Vile Parle Kelavani Mandal's Institute Of Technology, Dhule** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 62.50%

May 27th 2023


Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.