



Activity Report

ON



**One Week Online Workshop
'8th June to 14th June 2020'**

On

“SCILAB”

**Organized by,
Department of Electrical Engineering,
SVKM's Institute of Technology,
Dhule**

In association with

**Spoken Tutorial,
Indian Institute of Technology,
Bombay**

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Workshop FLYER -

<https://drive.google.com/file/d/1z7LB4aXaeI5A6kBcRaZa9KVE7dl0Wh1j/view?usp=sharing>



Department of Electrical Engineering

Academic Year 2019-2020

One week online workshop on 'SCILAB'

Objective	<ol style="list-style-type: none"> To utilize lockdown period for self-improvement in diploma students. To inculcate diploma students with advance tools of learning process. 	
Organizer	Department of Electrical Engineering SVKM's Institute of Technology, Dhule	
Participating Class & Division	Various diploma students from different disciplines from various parts of Maharashtra.	
Date	From 8 th Jun to 14 th Jun 2020	
Time	11:00 am to 03:30 pm	
Venue	Online - Spoken Tutorial, IIT Mumbai	
Coordinator/s	Event Coordinator - Ms. Farha Naz Organizing Team: Mr. Sandeep Ushkewar, Mr. Gaurav Patil, Dr. Namra Joshi, Mr. Jagdish More, Mr. H. Ansari, Mr. Rahul Thakur, Mr. Shahid Akhtar	
Name of Speaker with Designation	Not Applicable.	
Brief report on activity	<p>Participants learned:</p> <ol style="list-style-type: none"> Use of Free & Open source alternative. Exposure to High-level interpreted, numerically oriented programming language. To enhance programming skills in SCILAB. Use of broad simulation & modeling applications. <p>The pandemic COVID-19 has necessitated drastic measures like social distancing, staying indoors to be taken to fight against it. To utilize this time offered by this control measures in self-improvement and knowledge enhancement, such program is initiated by our institute. In collaboration with Spoken Tutorial, IIT Mumbai, SVKM's Institute of Technology organized one week online workshop from 8th Jun to 14th Jun 2020. Total 67 students from all over Maharashtra have participated in this event and got certified eligible participants.</p>	
Duration of Program	One week	
Date	14 th Jun 2020	
<p><i>Farha Naz</i> Ms. Farha Naz Event Coordinator</p>	<p><i>Vishal Moyal</i> Dr. Vishal Moyal Department Coordinator</p>	<p><i>Dr. Nilesh Salunke</i> Dr. Nilesh Salunke Principal & Patron</p>

H.O.D. Electrical Dept.
SVKM's Institute of Technology, Dhule

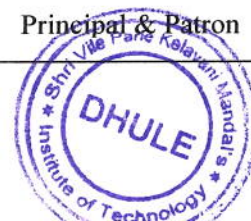




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Department of Electrical Engineering

1. Flyer



Shri Vile Parle Kelavani Mandal's
Institute of Technology, Dhule

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Spoken Tutorial

One-Week Online Workshop
On
SCILAB

08th June 2020 – 14th June 2020

**Registrations are Open
Only for Final Year Diploma Students**



Shri Vile Parle Kelavani Mandal's Institute of Technology

In Association with
Spoken Tutorial
Indian Institute of Technology
Bombay

Workshop Dates: 08th June 2020 - 14th June 2020

Organized by

Department of Electrical Engineering
SVKM's Institute of Technology, Dhule

Address

Karve Road - Box No. 69, Mumbai - 400 076
Bandra - Goregaon Road,
Mumbai - Maharashtra - 400 072

[Registration Link](#)

Flyer Page 1



SHRI VILE PARLE KELAVANI MANDAL'S
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Department of Electrical Engineering

Chief Patron

Hon'ble Shri Amrishbhai Patel
President, SVKM Trust
Hon'ble Shri Bhupeshbhai Patel
Vice President, SVKM Trust

Patron

Dr. Jayant Gandhi
Mentor-MPSTME Mumbai
Shri. Rajgopal Bhandari
Mentor-MPTP, Shirpur
Dr. Ajay Pasari
Mentor, SVKM's Dhule Campus
Dr. K. B. Patil
Director, NMIMS
Dhule

Organizing Chair

Dr. Nilesh Salunke
Principal, SVKM's IoT, Dhule

Convener

Dr. Vishal Moyal
Coordinator
Department of Electrical Engineering,
SVKM's IoT, Dhule
Vishal.Moyal@svkm.ac.in (9425083966)

Workshop Coordinator

Mrs. Faiza Naz
Assistant Professor
Department of Electrical Engineering,
SVKM's IoT, Dhule
workshop@svkmiot.electrical@gmail.com

About Us

SVKM Shri Vile Parle Kelavani Mandal (SVKM), Mumbai is already a Brand Name in education scenario. It is a Public Charitable Trust & Society. It is in existence for over 80 years, born in 1934 with adoption of a school which started in 1921. Over the past 80 years, the Mandal has developed a large educational complex in Vile Parle, in Suburban Mumbai and has spread its wings to metro cities like, Bangalore, Hyderabad, Chandigarh, Ahmedabad, Navi Mumbai, etc., SVKM today is proud of some of the finest educational institutes in the country like NMIMS deemed to be University, N.M.College of Commerce and Economics, Mithibai College, D.J. Sanghvi College of Engineering, Bhagubhai Mafatlal Polytechnic - to name a few. It has also in its family schools from Nursery to Secondary, Jr. College providing ICSE or IB, IGCSE curriculum or CBSE curriculum.

Objectives of FDP

1. To inculcate faculty with advance tools of teaching and learning process.
2. To bridge a gap between current market requirement and academics.
3. To enhance programming & circuit simulation skills.

Organizing Committee

Mr. Sandeep Ushkewar - Assistant Professor, sandeep.ushkewar@svkm.ac.in (9970045518)
Mr. Gaurav Patil - Assistant Professor, gaurav.patil@svkm.ac.in (9423694278)
Mr. Namra Joshi - Assistant Professor, namra.joshi@svkm.ac.in (9129119207)
Mr. Jagdish More - Assistant Professor, jagdish.more@svkm.ac.in (9730326464)
Mr. H. Ansari - Assistant Professor, hlibunuradman.ansari@svkm.ac.in (7040306295)
Mr. Rahul Thakur - Technical Assistant, rahul.thakur@svkm.ac.in (9890582090)
Mr. Shahid Akhtar - Technical Assistant, shahid.akhtar@svkm.ac.in (8669089696)

<http://www.svkm-iot.ac.in/electrical-engineering/>



Department of Electrical Engineering

Why Scilab?

- Major Free & Open source alternative.
- High-level interpreted, numerically oriented programming language.
- Broad simulation & modeling applications

Course Content

- Getting Started with Scilab.
- Vector & Matrix Operations
- Conditional Branching
- Iteration
- Scripts and Functions
- Plotting 2D graphs
- Xcos Introduction
- File handling
- User Defined I/O & Integration
- Solving Non-linear Equations
- Linear equations Gaussian Methods & Iterative Methods
- Linear equations Interpolation
- ODE Euler methods
- ODE Applications
- Optimization Using Karunakar Function
- Digital Signal Processing
- Control systems, Discrete systems
- Calling User Defined Functions in XCOS
- Simulating a PID controller using
- Developing Scilab Toolbox for external C libraries

Why IIT Bombay Spoken Tutorial?

The Spoken Tutorial project is an initiative of the "Talk to a Teacher" project under the National Mission on Education through Information and Communication Technology, launched by MHRD, Govt of India.

Spoken Tutorial is a multi-award winning educational content portal. Here one can learn various Free and Open Source Software all by oneself. Our self-paced, multi-lingual courses ensure that anybody with a computer and a desire for learning can learn from any place, at any time and in a language of their choice.

Spoken Tutorial courses are simple and easy to follow even for a beginner but they also meet the growing needs of the learner. Its engaging digital content ensures that learning happens at all levels - Basic, Intermediate and Advanced. Its content mandates side-by-side practice thereby ensuring that learners are actively learning. Many of the software taught, are used in various disciplines of Engineering, pure Sciences and several other Under-Grad and Post-Grad studies, and can be extended to Commerce, Arts and Management streams as well.

Key features of IIT-B Spoken Tutorials

- Self-explanatory uses simple language.
- Audio-video uses multisensory approach.
- Small duration has better retention.
- Learner-centered at your own place.
- Learning by doing learn and practice simultaneously.
- Empower learning FLOSS (Free/Libre and Open Source Software)
- Comprehensive course videos.
- E-certification from Spoken Tutorial, IIT Bombay after successful completion.

Flyer Page 3

Learning Material: Spoken Tutorial, IIT Mumbai

Participants: Various diploma students from different disciplines from various parts of Maharashtra.

Outcomes: Participants learned:

- 1) Use of Free & Open source alternative.
- 2) Exposure to High-level interpreted, numerically oriented programming language.
- 3) To enhance programming skills in SCILAB.
- 3) Use of broad simulation & modeling applications.

The pandemic COVID-19 has necessitated drastic measures like social distancing, staying indoors to be taken to fight against it. Needless to say, these are challenging times that we are living in. To utilize this time offered by this control measures in self-improvement and knowledge enhancement, such program is initiated by our institute. In collaboration with Spoken Tutorial, IIT Mumbai, SVKM's Institute of Technology organized one week online workshop from 8th Jun to 14th Jun 2020. Total 67 students from all over Maharashtra have participated in this event and got certified eligible participants.

A comprehensive set of topics pertaining to SCILAB were covered in the WORKSHOP. The course material was provided on Spoken Tutorial platform of IIT Mumbai. Spoken Tutorial is an initiative by the National Mission on Education through Information and Communication Technology (ICT) launched by the Ministry of Human Resources and Development (MHRD), Government of India and is being developed by IIT Mumbai.

The inauguration was carried out on online platform by Hon. Convener Dr. Vishal Moyal.



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2. Schedule of SCILAB Workshop:

Date	11:00 AM - 11:30 AM	11:30 AM - 12:30 PM	12:30 PM - 02:00 PM	02:00 PM - 03:30 PM
	Session-1	Session-2		Session-3
8-Jun-20	Inauguration at 11:00 AM Workshop on SCILAB Dr. Vishal Moyal, Convenor, Department of Electrical Engineering, SVKM's IOT, Dhule	1.Introduction to Scilab and its benefits 2.Self learning of Scilab through Spoken Tutorials 3.The amazing resource of Scilab Textbook Companion 4.Scilab Lab migration, Toolboxes and Forums	Lunch	Daily Quiz 1
	10:00 AM - 12:30 PM		12:30 PM - 02:00 PM	02:00 PM - 03:30 PM
	Session-1			Session-2
9-Jun-20	5.Installing 6.Getting Started 7.Vector Operations 8.Matrix Operations 9.Conditional Branching 10.Iteration		Lunch	Daily Quiz 2
10-Jun-20	11.Scripts and Functions 12.Plotting 2D graphs 13.Xcos Introduction 14.File handling 15.User Defined Input and Output		Lunch	Daily Quiz 3
11-Jun-20	16.Integration 17.Solving Non linear Equations 18.Linear equations Gaussian Methods 19.Linear equations Iterative Methods 20.Interpolation		Lunch	Daily Quiz 4



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12-Jun-20	21.ODE Euler methods 22.ODE Applications 23.Optimization Using Karmarkar Function 24.Digital Signal Processing 25.Control systems		Lunch	Daily Quiz 5
13-Jun-20	26.Discrete systems 27.Calling User Defined Functions in XCOS 28.Simulating a PID controller using XCOS 29.Developing Scilab Toolbox for calling external C libraries		Lunch	Daily Quiz 6
	10:00 AM - 11:00 AM	11:30 AM - 12:00 Noon	12:30 PM - 02:00 PM	02:00 PM - 03:30 PM
	Session-1	Session-2		Session-3
14-Jun-20	Online IITB Spoken Tutorial Examination and Feedback		Lunch	



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3. Important Instructions for Participants:

Sl No	Important Instructions for Participants
1	Please find the final list of participants, also note down your WORKSHOP Id and Registered Email Id, it will be required to appear for Daily Quizzes and the Final Spoken Tutorial Test.
2	Everything will be communicated through the Registered Email Id (Shared in Final Participant List) and through the WhatsApp group. Please join the respective WhatsApp group for your WORKSHOPS.
3	In case you don't appear in the list, may be because of no response for mails requesting alternate email id or joining only WhatsApp group without registering for WORKSHOP. We will be organizing Online/Offline WORKSHOPS in future try your luck next time.
4	WORKSHOP will start with the Inauguration session on 8th June 2020 11:00 AM, on the WebEx Platform, the joining link for the WebEx meeting will be shared 30 minute prior to the session.
5	Daily attendance link will be provided after every session.
6	Workshop Videos and Quizzes will be shared on daily basis on the scheduled time, through WhatsApp and Registered Email.
7	E-Certificates for WORKSHOP from Spoken Tutorial IIT-B & SVKM's IoT will be issued after successful completion of the below activities. i. Daily Attendance Form submission. ii. Daily Quiz Submission. iii. Final WORKSHOP Online Test with at least 40 % score. It will be conducted by Spoken Tutorial IIT-B on the Spoken Tutorial Platform. iv. Feedback Form Submission at the end of the Course. Use the correct WORKSHOP Id and Registered Email Id for submitting Forms and Quizzes. Use the Login credentials received from Spoken Tutorial IIT-B, for Final Test.
8	Please contact any queries at workshop.svkmIoT.electrical@gmail.com



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4. Conduction of Event:

Study material is available on Spoken Tutorial platform. Participants need to watch assigned videos on daily basis and solve quiz based on videos. The exchanges of information regarding video links and daily quizzes have made through Email and WhatsApp group for event. Certificates have distributed based upon daily quiz and final quiz submission.

SVKM IOT EE - SCILAB Workshop: Welcome Note

WORKSHOP SVKM IOT DHULE -workshop.svkmiot.electrical@gmail.com
to Diploma_scilab_workshop_svkm-ee_jun20

Dear Participants,

Welcome to the SCILAB workshop group.

Please tune in to this group throughout ***One-Week from 8th June to 14th June.***
The detailed schedule is attached here.

Please download Zoom App to join Inaugural session tomorrow on ***8th June 2020 11:00 AM***.
Joining link for the Inaugural session is provided below.

Zoom Session Link:

Department of Electrical Engineering SVKM's IOT Dhule, DBATU University, MH, India is inviting you to a scheduled Zoom meeting.
Topic: SCILAB Workshop - Inaugural Session
Time: Jun 8, 2020, 11:00 AM

Join Zoom Meeting
<https://us02web.zoom.us/j/1287378271801?pwd=M3hhM1l6c0ZkczVlZzYkQVl0S0t0DQ==>

Meeting ID: 873 7927 1801
Password: 046042

Thanks & Regards,
Coordinator,
SCILAB Workshop.

Welcome Note through Email group

SCILAB Workshop- SVKM IOT: Day 2 Video Links

WORKSHOP SVKM IOT DHULE -workshop.svkmiot.electrical@gmail.com
to Diploma_scilab_workshop_svkm-ee_jun20

Dear Participants,

Please find below Day 2 video links for SCILAB Workshop.
Please watch the videos and be ready for the quiz at 02:00 PM.

- [1. https://spoken-tutorial.org/Watch/Schedule/Installation/English](https://spoken-tutorial.org/Watch/Schedule/Installation/English)
- [2. https://spoken-tutorial.org/Watch/Schedule/Century/Started/English](https://spoken-tutorial.org/Watch/Schedule/Century/Started/English)
- [3. https://spoken-tutorial.org/Watch/Schedule/Century/Operations/English](https://spoken-tutorial.org/Watch/Schedule/Century/Operations/English)
- [4. https://spoken-tutorial.org/Watch/Schedule/Matrix/Operations/English](https://spoken-tutorial.org/Watch/Schedule/Matrix/Operations/English)
- [5. https://spoken-tutorial.org/Watch/Schedule/Conditionals/Branching/English](https://spoken-tutorial.org/Watch/Schedule/Conditionals/Branching/English)
- [6. https://spoken-tutorial.org/Watch/Schedule/Relational/English](https://spoken-tutorial.org/Watch/Schedule/Relational/English)

Thanks & Regards,
Coordinator,
SCILAB Workshop,
Department of Electrical Engineering,
SVKM's Institute of Technology, Dhule 424001,
Email: workshop.svkmiot.electrical@gmail.com

Daily Course Video Links through Email group

SCILAB Workshop- SVKM IOT: Day 1 Quiz

WORKSHOP SVKM IOT DHULE -workshop.svkmiot.electrical@gmail.com
to Diploma_scilab_workshop_svkm-ee_jun20

Dear Participant,

Please attempt the quiz for Day 1 - SCILAB Workshop.
Start time: 02:00 PM
End time: 03:30 PM

Quiz Link: <https://forms.gle/Z81atYceRwE16967>

Thanks & Regards,
Coordinator,
SCILAB Workshop,
Department of Electrical Engineering,
SVKM's Institute of Technology, Dhule 424001,
Email: workshop.svkmiot.electrical@gmail.com

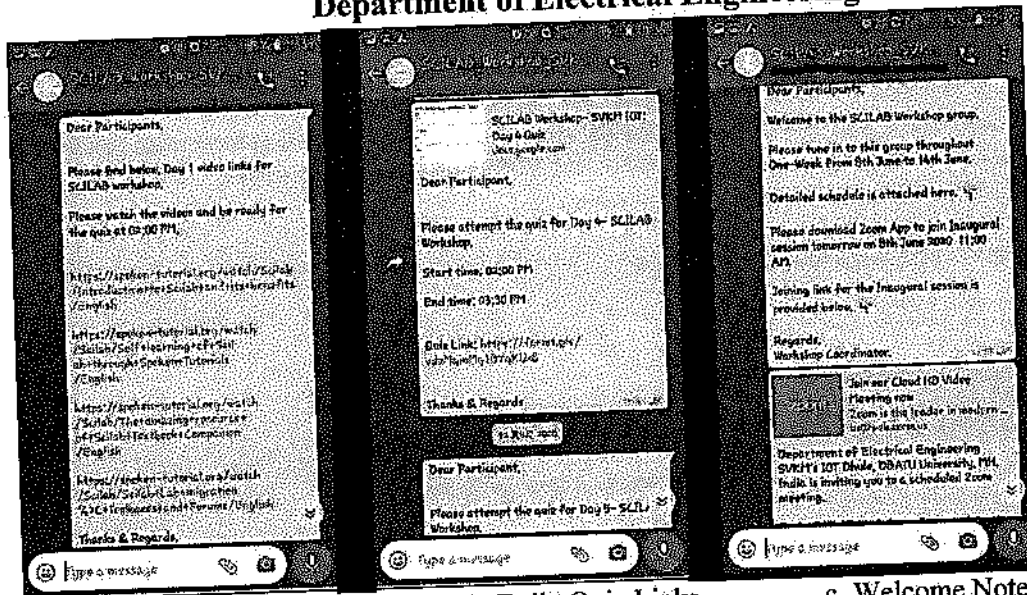
Daily Quiz Link through Email group



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a. Daily Course Videos

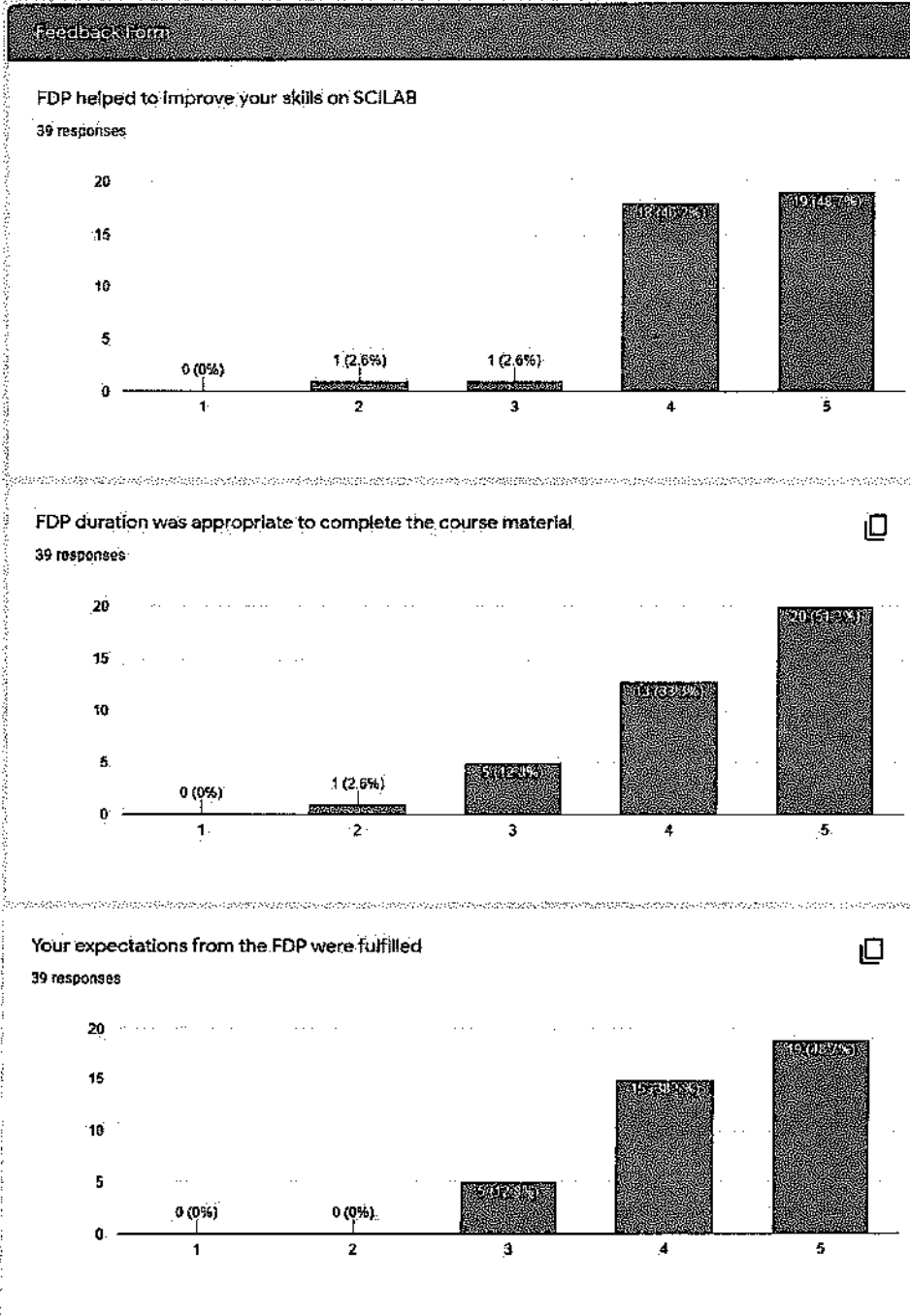
b. Daily Quiz Links

c. Welcome Note

Communication Through WhatsApp Group



5. Feedback from Participant:



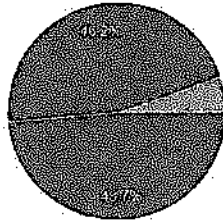


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Faculty coordination to solve your queries



39 responses



- Excellent
- Good
- Fair
- Poor

Valuable suggestions for FDP Coordinator

39 responses

Good nice: Helpfully

Excellent session

Pratiksha bhagwan deore

No Suggestions

It is very nice session

No any

No suggest is good

Nice

Valuable suggestions for FDP Coordinator

39 responses

None

Nice teaching

Excellent

I am sincerely appreciate JL

You will be More workshop organise by faculty.

Well done

Na

Punctual and time manageable webinar

Well perform

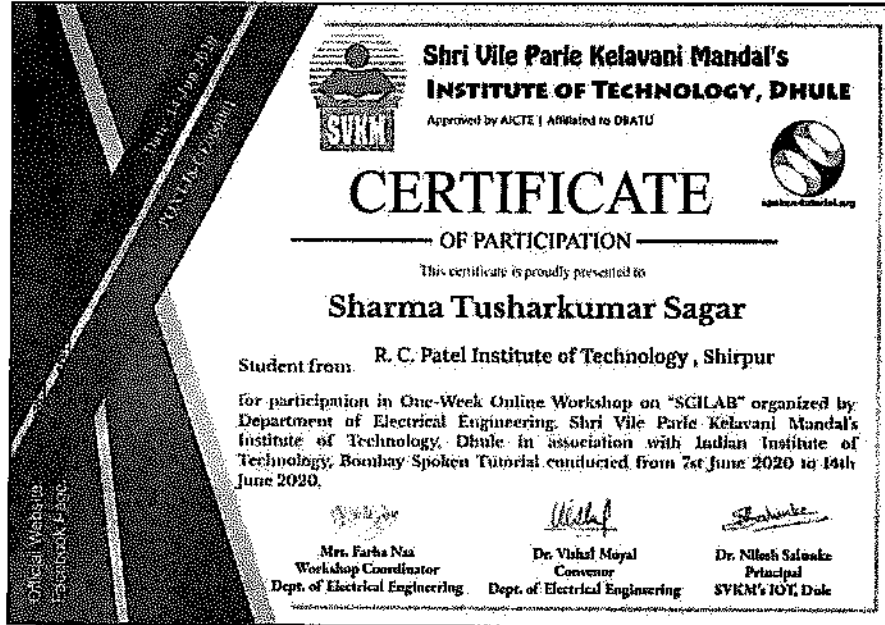


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Institute of Technology, Dhule

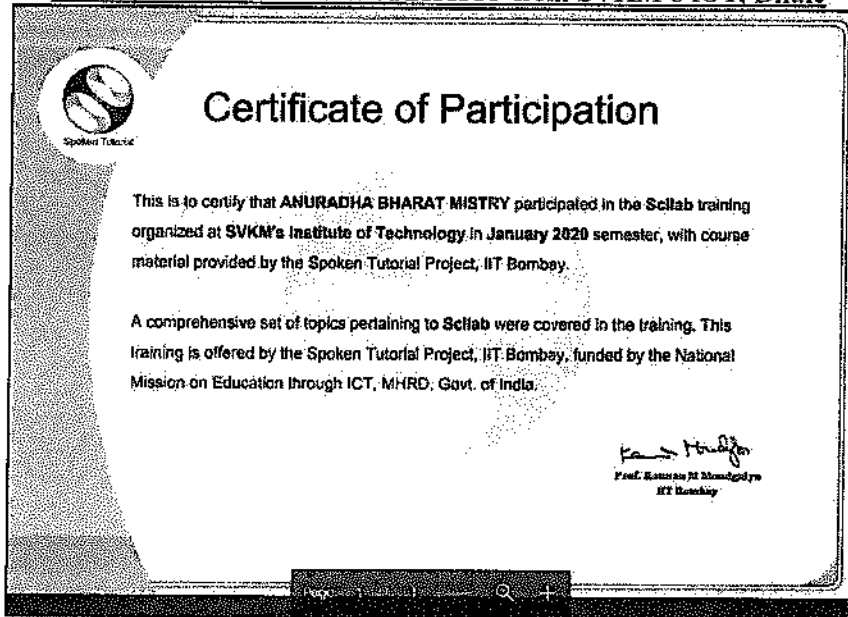
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6. Certificate format



a. Sample certificate for WORKSHOP from SVKM's IOT, Dhule



b. Sample certificate for WORKSHOP from Spoken Tutorial, IIT Mumbai



7. List of Participants

SCILAB WORKSHOP ID	First Name	Last Name	Gender
SVKMEE0001	KESHAV	THAKUR	Male
SVKMEE0002	SHAM	KARNE	Male
SVKMEE0003	Pratiksha	Deore	Female
SVKMEE0004	Mayuri	Patil	Female
SVKMEE0005	SACHIN	VARADE	Male
SVKMEE0006	Shubham	Thakur	Male
SVKMEE0007	RAJENDRA	SANER	Male
SVKMEE0008	Mohammad Haris	Shaikh	Male
SVKMEE0009	Varsha	Patil	Female
SVKMEE0010	KESHAV	THAKUR	Male
SVKMEE0011	Mayuri	Patil	Female
SVKMEE0012	Aasim	Ansari	Male
SVKMEE0013	Kunal	Aaglave	Male
SVKMEE0014	Sachin	Devkar	Male
SVKMEE0015	Neha	hajare	Female
SVKMEE0016	Prasad	Kandalkar	Male
SVKMEE0017	Priyanka Rajendrakumar	More	Female
SVKMEE0018	Yashashree	Patil	Female
SVKMEE0019	Tauheed	Shaikh	Male
SVKMEE0020	Jay	Bhamare	Male
SVKMEE0021	Mayuri	Patil	Female
SVKMEE0022	SHAM	KARNE	Male
SVKMEE0023	Pradnya	Wagh	Female
SVKMEE0024	Shaikh Masroor	Abdul Samad	Male
SVKMEE0025	Shweta	Baviskar	Female
SVKMEE0026	Mahesh	Patil	Male
SVKMEE0027	YOGESH	CHAUDHARI	Male
SVKMEE0028	SAGAR	NAGAPURE	Male
SVKMEE0029	AJAY	NAGAPURE	Male
SVKMEE0030	Priyanka	Jagtap	Female
SVKMEE0031	Musaddique	Akhtar	Male
SVKMEE0032	Akash	Mahajan	Male
SVKMEE0033	Vaibhav	Mahajan	Male
SVKMEE0034	VISHAL	MAHAJAN	Male
SVKMEE0035	Gayatri Shinde	Shinde	Female
SVKMEE0036	ROHAN	SONAWANE	Male
SVKMEE0037	Pallavi	Jagtap	Female
SVKMEE0038	Girish	Yadav	Male
SVKMEE0039	HEMANT	PATIL	Male
SVKMEE0040	Priyanka	Mahajan	Female
SVKMEE0041	Jagruti	Patil	Female
SVKMEE0042	Harshada	Patil	Female
SVKMEE0043	Bhushan	Patil	Male
SVKMEE0044	Sandip	Thakare	Male
SVKMEE0045	darshana	joshi	Female
SVKMEE0046	Darshana	Chaudhari	Female
SVKMEE0047	Gauravkumar Ramkrishna	Kothawade	Male
SVKMEE0048	Shadab Ahmad	Shadab	Male



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SVKMEE0049	FAIZAN	Ahmad	
SVKMEE0050	Tejal	AHMAD	Male
SVKMEE0051	Bharat	Sangale	Female
SVKMEE0052	Mayur	Shirsath	Male
SVKMEE0053	Bhavesh	Suryawanshi	Male
SVKMEE0054	Punam	Patil	Male
SVKMEE0055	Tushar	Patil	Female
SVKMEE0056	Priyanka	Patil	Male
SVKMEE0057	KETAN	Bhadane	Female
SVKMEE0058	Nilima	NAGDEO	Male
SVKMEE0059	Shubham	Patil	Female
SVKMEE0060	Nileema	Patil	Male
SVKMEE0061	Uday	patil	Female
SVKMEE0062	Shubham	Chaudhari	Male
SVKMEE0063	Piyush	Jadhav	Male
SVKMEE0064	Riddhi	Borse	Male
SVKMEE0065	Sanchita	Patil	Female
SVKMEE0066	Tusharkumar Sagar	Nawale	Female
SVKMEE0067	Purva	Sharma	Male
		Chaudhari	Female
