

6.3.3 Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year 2021-2022

# **One Day Workshop on “Intellectual Property Rights & Patent Filing”**



One Day Online Workshop on  
**“Intellectual Property Rights & Patent  
Filing”**

Date: - 30/06/2021

Day: - Wednesday

Organized by: -

Department of Electrical Engineering  
&  
Internal Quality Assurance Cell  
SVERI's College of Engineering, Pandharpur

# One Day Online Workshop on

## “Intellectual Property Rights & Patent Filing”

A one day online workshop on “Intellectual Property Rights & Patent Filing” was conducted on 30<sup>th</sup> June 2021, from 10.00 A.M. to 04.00 P.M. It was jointly organized by department of electrical engineering & Internal Quality Assurance Cell, SVERI’s College of Engineering, Pandharpur.

Around 257 Participants were applied for this workshop and successfully participated in the workshop and received the certificates.

For this workshop, Inaugural Ceremony was graced by the **Honorable Dr. N. B. Pasalkar**, Former Director, Technical Education, Mumbai as a chief guest and **Dr. P. W. Kelkar**, Director, Bright Star Electronics, Pune as a Guest of Honour..

The Speakers for this one day online workshop on **Intellectual Property Rights & Patent Filing** were:

### **Dr. Padmakar W.Kelkar**



#### **Education:-**

- **Ph. D (E&TC)- COEP, Pune**
- **M.E. (E&TC)- 1974, COEP, Pune**
- **B.E. (E&TC)- 1972, COEP, Pune**
- **DIPLOMA (DECE)- 1969, Govt. Poly. Aurangabad.**

#### **Experience:-**

- **Director, Bright Star Electronics, Pune (1978-Present)**
- **Director, Tata Institute of Fundamental Research, Mumbai (1976-78)**
- **Senior Development Officer, Advani Oerlikon Ltd, Pune (1975-76).**
- **Principal, Govt. College of Engineering, Pune (1974-75).**

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**Dr. Prashant M. Pawar**



**Education:-**

- **Post Doc.** South Korea
- **Ph. D** (Aerospace Engg)-2006, IISc Bangalore.
- **M. Tech. (Civil Engg. - Structural)**- 2002, IIT, Guwahati
- **B.E.** (Civil Engg.)- 2000, Shivaji University, Kolhapur

**Experience:-**

- **Professor**, SVERI's COE, Pandharpur (2008- Present)

**Prof. Ashish A. Jadhav**



**Education:-**

- **Ph. D (Pursuing)**-2017, VTU, Belgavi, Karnataka.
- **M. E. (E&TC)**- 2012, PAHSU, Solapur
- **B.E. (E&TC.)**- 2009, Shivaji University, Kolhapur

**Experience:-**

- **Assistant Professor**, SVERI's COE, Pandharpur (2009- Present).

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The Schedule of the workshop was as follows:

Date	Time	Activity
30/06/2021	10:00 A.M to 11:00 A.M	Inaugural Function
	11:05 A.M to 12:15 P.M	Session_1:- Introduction to Industry Patents & Overview of IPRP
	12:15 P.M to 01:15 P.M	Session_2:- Concept of IPR, Copyright & Trademarks and How to convert Research/Projects to Patents???
	01:15 P.M to 02:00 P.M	Lunch Break
	02:00 P.M to 03:45 P.M	Session_3:- Hands on Training on Patent Search & Filing Process in India.
	03:45 P.M to 04.15 P.M	Validictory Function

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## “Intellectual Property Rights & Patent Filing”

The List of the Participants was as follows:

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## “Intellectual Property Rights & Patent Filing”

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# One Day Online Workshop on

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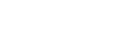
**One Day Online Workshop on**  
**“Intellectual Property Rights & Patent Filing”**

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# One Day Online Workshop on

## “Intellectual Property Rights & Patent Filing”

The Screenshot of the participants taken on closing are:

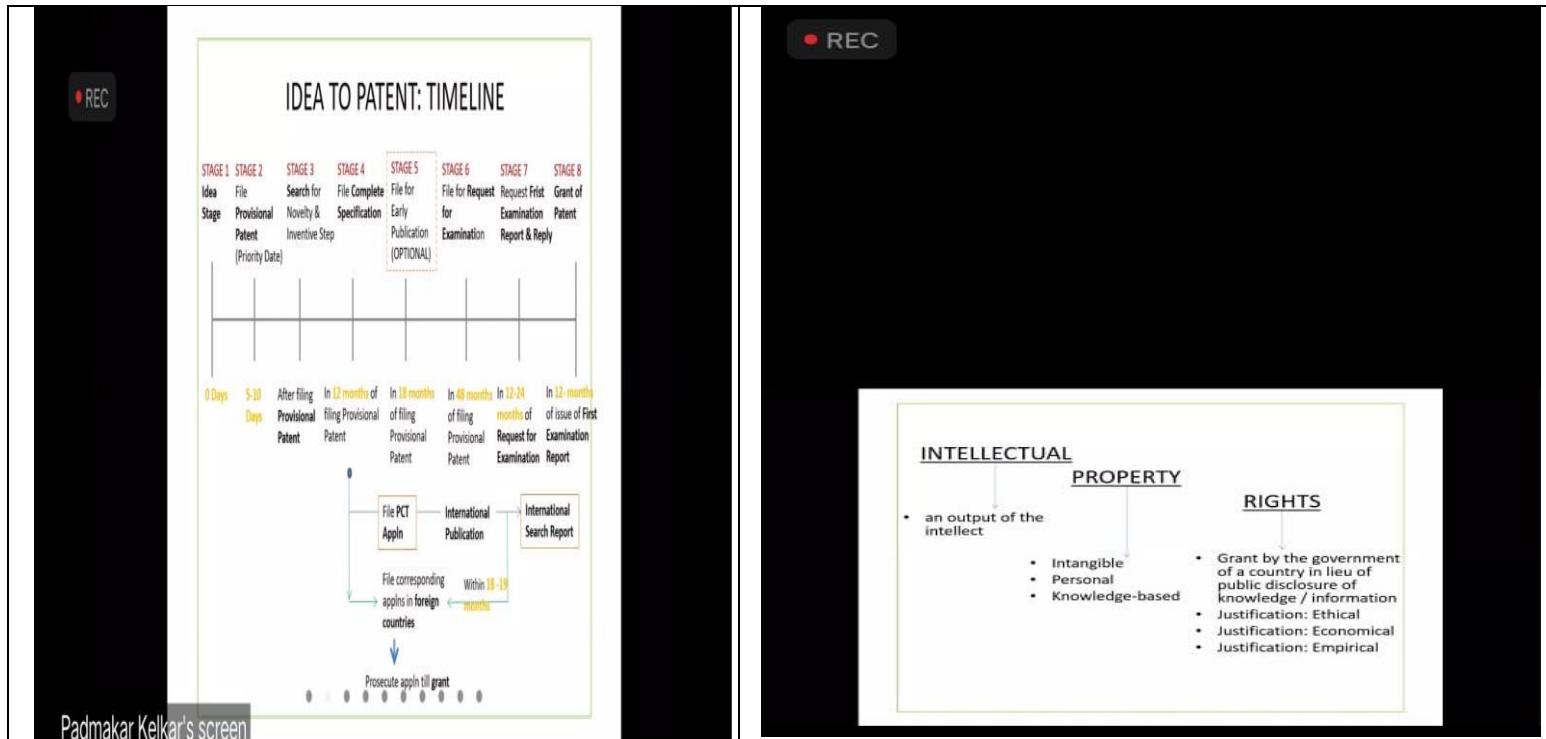
DR	Dr. Ranjitsinh Gidde	 >
DS	Dr. Sandeep Wangikar	 >
EW	EC_A_72_Pratik Walujkar	 >
GS	Ghadage Sanket Satyawan	 >
JA	Jadhav Ashish	 >
JH	Jagadish Hallur	 >
KC	Kachan Chouhan	 >
MP	Madhuri Pawar	 >
MM	Mahesh Mathpati	 >
MY	Mahesh Yadrami	 >
MB	Mohua Biswas	 >
MK	Mr.Yashpal Khedkar	 >
MA	Ms.Sneha Arun Jagtap	 >
ND	Nandkishor Deshmukh	 >
ND	Nimisha Deval	 >
PH	P H Jain	 >
PA	Popat Asabe	 >
PB	Pradnya Bhuse	 >
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PB	Prof. Bhaskar Gaikwad	 >
RJ	Ramesh Jagdale	 >
RS	Rameshwar solage	 >
RK	RAVIRAJ KAMBALE	 >
SA	S A Inamdar	 >
SK	Sachin Khomane	 >
SP	Sambhaji Patil	 >
SW	Sandip Waghmare	 >
SM	Sanskriti Mane	 >
SK	Santosh Kolekar	 >
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SB	Shrikrushna Bhosale	 >
SS	Shrishall Swami	 >
S	SRG	 >
SJ	Subhash Jadhav	 >
SK	sunil kadam	 >
SK	Swagat Karve	 >
VP	Viddulata Patil	 >
VK	Vidyarani Kshirsagar	 >
VS	Vijay Sawant	 >
VC	Vikram Chavhan	 >
YS	Yogesh Shete	 >
AL	A_64_Prasanna Lungare	 >

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PK	Padmakar Kelkar (Co-host)	  >
DD	Dr. Dipti Tamboli (Co-host)	  >
PA	Prof. Anil Tekale (Co-host)	  >
DB	02.snehal Bhondave	  >
DA	08 Aniket Badade	  >
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2P	22 Pratidnya Navale	  >
2S	28.Payal Salgare	  >
2J	28.pratiksha jadhav	  >
AA	A_01_Aboli Adsul	  >
AK	A_22_Gayatri Kuntala	  >
AN	A_31_Harshada Narwade	  >
AP	A_33_Rupali Pawar	  >
AK	A_61_Santosh khilare	  >
AN	A_66_Shankar narale	  >
AP	A02 Prajakta Awatade	  >
AV	A2 Vijay	  >
AS	Amitkumar Shinde	  >
AB	Android Bluedroid	  >
AS	Asmita Sanagar	  >
BB	B_04_Megha Bhosale	  >
BD	B_09_Ashwini Doke	  >
BL	B_16_Amruta Lokare	  >
BM	B_19_Sayali Maral	  >
BP	B_24_Vidya Patil	  >
BP	B_26_Mehraj Pathan	  >
BB	B_37_Nikhil Bhosale	  >
BM	B_52_Yogesh Mhanta	  >
BS	B_57_Patil Shilisidh	  >
BS	B_63_Rahul Sutar	  >
BT	Bhushankumar Thakare	  >
CV	C Veeresh	  >
CV	CHANDRAGUPT VINAYA...	  >
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D	Dhiraj	  >
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DR	Dr. Ranjitsinh Deshmukh	  >
DR	Dr. Ranjitsinh Gidde	  >

# One Day Online Workshop on

## “Intellectual Property Rights & Patent Filing”

The Screenshots of the sessions clicked :



**IDEA TO PATENT: TIMELINE**

STAGE 1 STAGE 2 STAGE 3 STAGE 4 STAGE 5 STAGE 6 STAGE 7 STAGE 8

Idea File Search for File Complete File for File for Request Request First Grant of  
Stage Provisional Novelty & Specification Early Publication Examination Frist Examination Patent  
Stage Patent Inventive Step (Priority Date) (OPTIONAL)

0 Days 5-10 Days After filing of Provisional Patent In 12 months of filing Provisional Patent In 18 months of filing Provisional Patent In 40 months of filing Provisional Patent In 12-24 months of Request for Examination In 12 months of issue of First Examination Report Report & Reply

File PCT Appln International Publication International Search Report

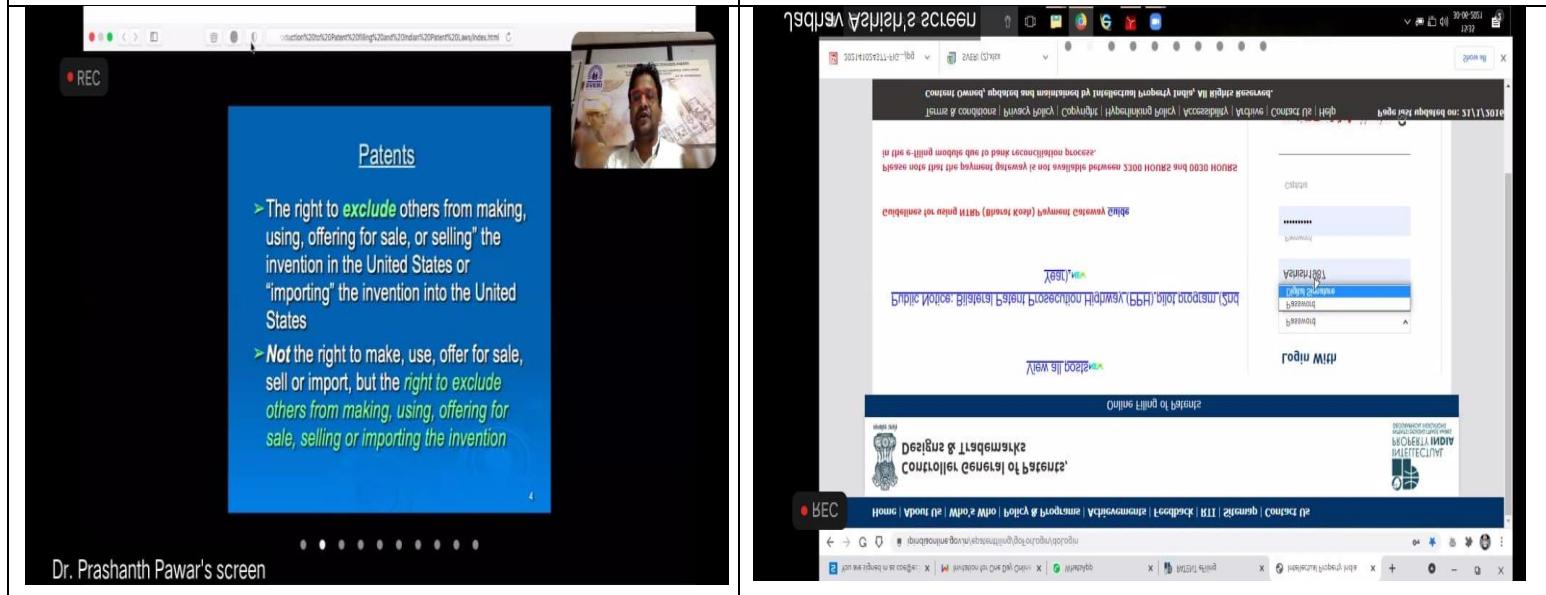
File corresponding appln in foreign countries Within 18-19 months

Prosecute appln till grant

**INTELLECTUAL PROPERTY RIGHTS**

- an output of the intellect
- Intangible
- Personal
- Knowledge-based
- Grant by the government of a country in lieu of public disclosure of knowledge / information
- Justification: Ethical
- Justification: Economical
- Justification: Empirical

Padmakar Kelkar's screen



**Patents**

- The right to **exclude** others from making, using, offering for sale, or selling the invention in the United States or "importing" the invention into the United States
- Not** the right to make, use, offer for sale, sell or import, but the **right to exclude** others from making, using, offering for sale, selling or importing the invention

Dr. Prashanth Pawar's screen

REC

REC

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# One Day Online Workshop on

## “Intellectual Property Rights & Patent Filing”

The Feedbacks received from Participants are:

Sr. No.	Name	Institute	Feedback
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2	Asmita Anant Sanagar	SVERI's COE Pandharpur	Excellent
3	Prof. Vijay Ashok Sawant	SVERI'S COLLEGE OF ENGINEERING PANDHARPUR	Excellent
4	Pradnya Kishor Patil	SVERI's College of Engineering, Pandharpur	Excellent
5	Amitkumar Ashokrao Shinde	SVERI's COE PANDHARPUR, SOLAPUR.	Excellent
6	Mhanta Yogesh Mahesh	Sveri's College of Engineering Pandharpur	Excellent
7	Subhash Venkatrao Jadhav	SVERI's College of engineering	Excellent
8	Mr. Sarvadnya Dattatray Ambare.	SVERI'S COLLEGE OF ENGINEERING POLYTECHNIC, PANDHARPUR.	Excellent
9	Kharaje Akash Nanaaheb	Fabtech technical campus college of engineering and research sangola	Average
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40	Chaitanya Dayanand Howal	SVERI COLLEGE OF ENGINEERING PANDHARPUR	Excellent
41	Aishwarya Dinkar Jadhavar	Sveri's college of engineering Pandharpur	Good
42	Sachin Madhukar Kale	SVERI's College of Engineering, Pandharpur	Excellent

# One Day Online Workshop on

## “Intellectual Property Rights & Patent Filing”

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49	Patil Deogonda B	BIT BARSHI	Good
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61	Amol Bandu Chounde	SVERI's College of Engineering, Pandharpur	Excellent
62	Sanskriti Mane	SVERI's college of engineering Pandharpur	Excellent
63	Shashikant Subhash Jadhav	SVERI's College of Engineering Pandharpur	Good
64	Sonam Manohar Ranadive	Sveri college of pandharpur	Excellent
65	Vikas Suresh Ingawale	SVERI's College Of Engineering Pandharpur	Excellent
66	Prajkta Prasad Suryawanshi	Sveris Clg Of Engineering Pandharpur	Excellent
67	Kuldeep Suresh Pukale	SVERI's COE Pandharpur	Excellent
68	Dr. Meenakshi Pawar	SVERI'S COLLEGE OF ENGINEERING PANDHARPUR	Excellent
69	Akshay Anil Jadhav	SVERI'S college of engineering pandharpur	Average
70	Husain K Bhaldar	SVERI's college of Engineering pandharpur	Excellent
71	Chakali Veeresh	SVERI's College of Engineering	Excellent
72	Prajakta Pandurang Awatade	SVERI's College Of Engineering Pandharpur	Excellent
73	Dr Dipti Amol Tamboli	SVERI's College of Engineering, Padhanpur	Excellent
74	Yashpal Marutirao Khedkar	SVERI's College of Engineering, Pandharpur-413304	Excellent
75	Sanjay Nivrutti More	SVERI	Excellent
76	Rajat Gupta	Sveri's college of engineering Pandharpur	Good
77	Manoj Ashok Deshmukh	SVERI's College of Engineering Pandharpur	Excellent
78	Renuka Namdev Patil	Sveris college of Engineering, Pandharpur	Good
79	Bandgar Akshay Kundlik	SVERI's College Of Engineering+Poly) Pandharpur	Good
80	Dr.Somnath Thigale	SVERI's CoE,Pandharpur	Excellent
81	Prof.Sneha Arun Jagtap	Sveri college of Engineering,Pandharpur	Good
82	Prof. Prashant Harishchandra Jain	T.P.C.T'S COLLEGE OF ENGINEERING OSMANABAD	Excellent
83	Aboli Sanjay Adsul	SVERI's College of Engineering Pandharpur	Excellent
84	Digambar Tukaram Kashid	SVERI's College of Engineering, Pandharpur	Excellent
85	Sanjay Ashok Pawar	Fabtech Technical Campus College of engineering and research,sangola	Good
86	Sachin Ashok Sonawane	SVERI's College of Engineering Pandharpur	Excellent
87	Mr.Kadam Prakash Dnyaneshwar	SVERI'S COLLEGE OF ENGINEERING POLYTECHNIC, PANDHARPUR	Excellent
88	Prashant Harishchandra Jain	T.P.C.T'S COLLEGE OF ENGINEERING OSMANABAD	Excellent
89	Rahul Iranna Sutar	SVERI'S COLLEGE OF ENGINEERING PANDHARPUR	Excellent
90	Nikhil Ramesh Bhosale	SVERI COE Pandharpur	Excellent
91	Chandragupt Vinayak Parchandrao	SVERI's College Of Engineering, Pandharpur	Excellent

# One Day Online Workshop on

## “Intellectual Property Rights & Patent Filing”

92	Bhaskar Dhondi Gaikwad	SVERI's College of Engineering, Pandharpur	Excellent
93	Shilisiddh Amogsiddh Patil	SVERI COLLEGE OF ENGG.PANDHARPUR	Excellent
94	Vidya Ramesh Patil	Sveri's college of engineering ,pandharpur	Excellent
95	Mr. Swagat Madhav Karve	SVERI's college of engineering	Excellent
96	Vidya Ramesh Patil	Sveri's college of engineering ,pandharpur	Excellent
97	Rahul Autade	FABTECH ENGG. COLLEGE, PANDHARPUR	Excellent
98	Shankar Balu Narale	Sveri coe pandharpur	Excellent
99	Pawar Pradip Bhausaheb	Fabtech technical campus sangola	Excellent
100	Pooja Dilip Dharme	Sveri's college of engineering pandharpur	Excellent
101	Gururaj Kumar Inamdar	SVERIs' College of Engineering Pandharpur	Excellent
102	Snehal Popat Dalave	Averi College of engineering, padharpur	Excellent
103	Chetan Chandrakant Jadhav	SVERI's College of Engineering Pandharpur	Excellent
104	Mr. Aniket Subhash Badade	Fabtech Technical Campus, College of Engineering and Research, Sangola	Good
105	Mr. Santosh Dilip Kolekar	SVERI'S COLLEGE OF ENGINEERING, PANDHARPUR	Excellent
106	Madhuri Surwase	Fabtech College of Engineering and Research, Sangola	Excellent
107	Sujit A Inamdar	SVERIs COE pandharpur	Excellent
108	Pooja Samadhan Chavan	Sveri college of engineering pandharpur	Excellent
109	Manik Deshmukh	Sveris college of engineering Pandharpur	Excellent
110	Ms. Nimisha Dinesh Deval	SVERI's College of Engineering, Pandharpur	Excellent
111	Saurabh Dattatraya Mule	SVERI'S COLLEGE OF ENGINEERING PANDHARPUR	Excellent
112	Shruti Yashwant Tawashe	SVERI's College of Engineering Pandharpur	Excellent
113	Vishal B. Bhagwat	Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati	Good
114	Sonali Pandurang Gaikwad	College Of Engineering,Pandharpur	Good
115	Kanchan Iccharam Chouhan	Sveri's college of engineering Pandharpur	Excellent
116	Dr.Vaishnav G.Kale	SVERI's College of Engineering,Pandharpur	Excellent
117	Sandipraj Yashwantrao Salunkhe	SVERI's College of Engineering, Pandharpur	Excellent
118	Santosh Sunil Khilare	Sveri	Excellent
119	Pratidnya Raju Navale	SVERI'S College Of Engineering, Pandharpur	Excellent
120	Aishwarya Ravaheb Patane	Sveri college of engineering pandharpur	Excellent
121	G B Praveen	Yenepoya Institute of Technology	Good
122	Payal Raosaheb Salgare	Sveri's college of Engineering pandhrapur	Excellent
123	Prajakta Vijay Shikare	College of engineering pandharpur	Excellent
124	Shrinivas Sanjay Chavan	Sveri	Excellent
125	Sonal Lahu Metakari	SVERI'S College of Engineering Pandharpur	Excellent
126	Namrta Namdev Shinde	Sveri's clg of engineering pandharpur	Good
127	Ramesh Vaijinath Jagdale	Renata precision pvt limited/sveri student	Excellent
128	Vedant Sanju Jadhav	SVERI'S College of Engineering Pandharpur	Excellent
129	Ainapur Bhagavant Channappa	SVERI'S COLLEGE of engineering polytechnic Pandharpur	Excellent
130	Girish Ganesh Falmari	SVERI's college of engineering Pandharpur	Excellent
131	Dr. Ranjitsinh Ashok Deshmukh	Shivaji Polytechnic College Sangola	Excellent
132	Shivaji Mahadeo Mane	Abhinav Education Society's College of Engineering and Technology (Degree) , Wadwadi, Satara	Excellent
133	Doke Ashwini Ramhari	SVERIs College of Engineering Pandharpur	Good
134	Shaikh Arbaaz	SVERI'S College of Engineering Pandharpur	Excellent
135	Megha Ramchandra Bhosale	SVERI college of engineering Pandharpur	Excellent
136	Vijay Bagdi	Tulsiramji Gaikwad Patil College of Engineering & Technology	Excellent
137	Neeta Premkumar Kulkarni	SVERI College of Engineering, Pandharpur	Excellent

**One Day Online Workshop on**  
**“Intellectual Property Rights & Patent Filing”**

138	Pratap Dhananjay Dandge	SVERI'S COLLEGE OF ENGINEERING PANDHARPUR	Good
139	Dhanraj Dharmaraj Daphale	SVERI's College of Engineering Pandharpur	Excellent
140	Milind Balbhim Kulkarni	SVERI'S COE Pandharpur	Excellent
141	Pranoti Chandrakant Sarvagod	SVERI'S College Of Engineering Pandharpur	Excellent
142	Mr.Ramesh Mahadeo Wagh	Sveri's College of engineering Polytechnic,Pandharpur	Excellent
143	Amruta Rajabhai Lokare	SVERI's College of Engineering, pandharpur	Good
144	Mr. Jadhav Bhairawanath Dnyanoba	DAHIWADI COLLEGE DAHIWADI DIST-SATARA	Excellent
145	Archita Vijaykumar Malge	SVERI'S COLLEGE OF ENGINEERING PANDHARPUR	Excellent
146	Aniket Katare	SVERI'S COEP	Excellent
147	Kshitija Tanaji Kamble	SVERI's COE, Pandharpur	Excellent
148	Neelam Bhima Hande	SVERI'S COLLEGE OF ENGINEERING	Excellent
149	Sachin Ashok Sonawane	SVERI'S College of Engineering Pandharpur	Excellent
150	Pradnya Vasant Kshirsagar	Sveri's college of engineering, Pandharpur	Good
151	Uttam Laxman Anuse	SVERI's College of Engineering ,Pandharpur	Excellent
152	Jugadar Dipali K.	Fabtech technical campus college of engineering and research Sangola	Excellent
153	Eakamalli Nitin Tatya	SVERI'S College of engineering Pandharpur	Excellent
154	Sonali Samadhan Bagal	SVERI'S College of Engineering Pandharpur	Good
155	Anchal Dastgir Shaikh	Sveri's	Excellent
156	Kapil Balasaheb Jundale	SVERI College of Engineering Pandharpur	Excellent
157	Shankar Manik Sawant	Shivaji Polytechnic College Sangola	Excellent
158	Ghadage Sanket Satyawani	SVERI's College Of Engineering (Polytechnic), Pandharpur	Excellent
159	Kasagavade Kiran Uttam	SVERI	Good
160	Satyajit Chandrakant Ligade	Fabtech Technical Campus, College of Engineering and Research	Good
161	Pratik Anil Walujkar	SVERI College of Engineering pandharpur	Excellent
162	Ashvini Chandrakant Ligade	Dr. D Y Patil School of Engineering and Technology Lohegaon,Pune	Excellent

The validictory function of this workshop was graced by **Dr. N. D. Misal**, Principal, SVERI's College of Engineering (Poly) Pandharpur. He shared some real time experiences with the participants. This one-day workshop on “Intellectual property rights & Patent Filing” was well structured, focused and result oriented. The workshop focus on different aspects of Intellectual Property Rights (IPRs), Conversion of the research/project works into Patents and Hands-On-Training on patent searches for Innovations. This workshop will bring a positive transformation in the Faculty member's attitude in their UG/PG Projects and research works and get them more focused as well as result oriented. The response from faculties and students from various institutions was very good.



Two Days Workshop on  
**“Industrial Automation”**



# Report

## Workshop on “Industrial Automation”

Date:-07/02/2022-08/02/2022

Day: - Monday, Tuesday

**Organized by:-**

Department of Electrical

Engineering

**“Two Day’s Workshop on Industrial Automation”**



**SVERI's College of Engineering,  
Pandharpur**



Department of Electrical Engineering,  
in collaboration with The World of Automation  
Organizes A Two Days Workshop on  
'Industrial Automation'

**Mr. Nayan Chaudhari**

Automation Project Engineer,  
The World of Automation, Pune



7<sup>th</sup> & 8<sup>th</sup>  
February, 2022



11:00 AM to  
3.30 PM (Daily)

Platform:  zoom

## **“Two Day’s Workshop on Industrial Automation”**

A online Workshop on “**Industrial Automation**” was conducted on **7<sup>th</sup> February 2022 to 8<sup>th</sup> February 2022, from 11.00 A.M. to 03.30 P.M** by the Department of Electrical Engineering, SVERI’s College of Engineering, Pandharpur . The speaker for this Webinar was **Mr. Nayan Choudhary sir** who is Automation Project engineer, the world of Automation Pune.

The Workshop started with the formal welcome and department introduction by the Dr. R. M. Patil. The speaker **Mr. Nayan Choudhary sir** given brief idea about the history automation. He elaborated the different concepts of Industrial automation with the help of Timer, counter, Analog logic etc. At last he had given the basic idea about the PLC SCADA Hands on Visualization. Speaker of the Webinar cleared all doubts of the students which will help them in near future.

The webinar concluded by vote of thanks by **Prof. Tekale A. A**, Assistant Professor of Electrical Engineering SVERI’s College of Engineering, Pandharpur. Nearly 220 students from Electrical department were present for this webinar.

### **Objective of Session:**

**To introduce to the students regarding brief idea about the PLC and Industrial Automation.**

### **Outcome of the Session:**

**1) Student got the detailed knowledge about important operation of PLC & SCADA**

**2) Student got the brief knowledge about the supervisory control and data acquisition.**

**The details of the Workshop are as follows:**

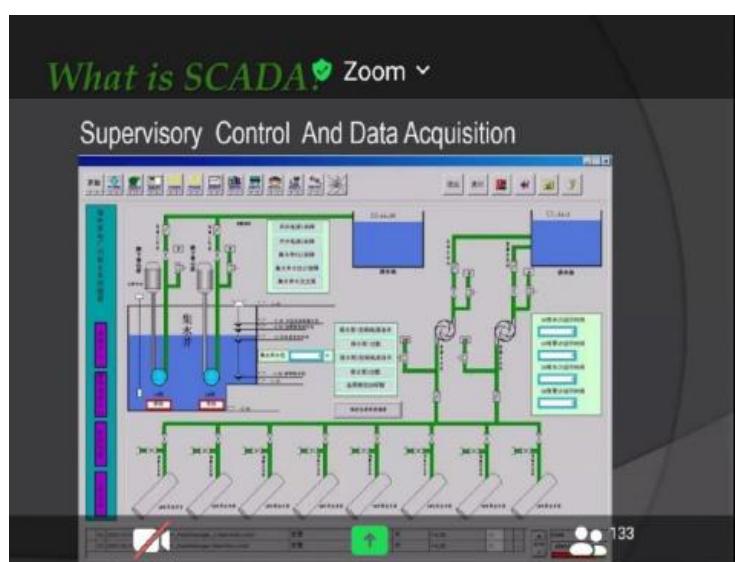
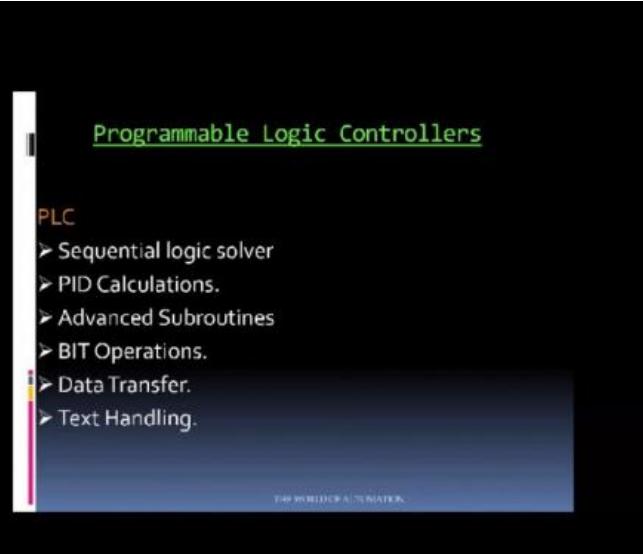
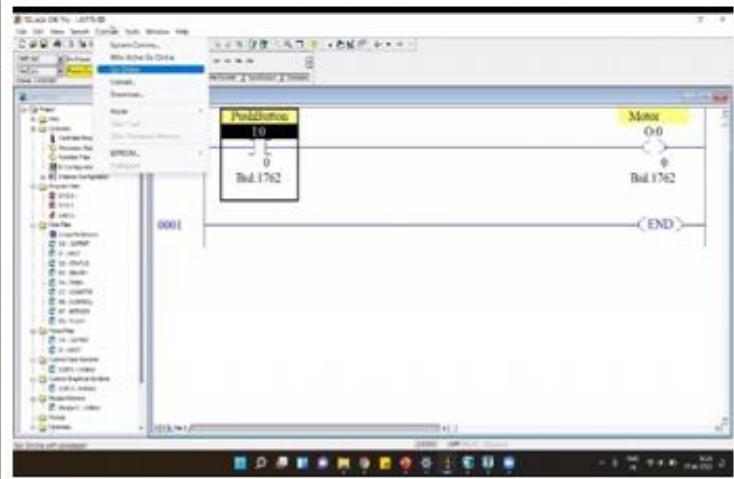
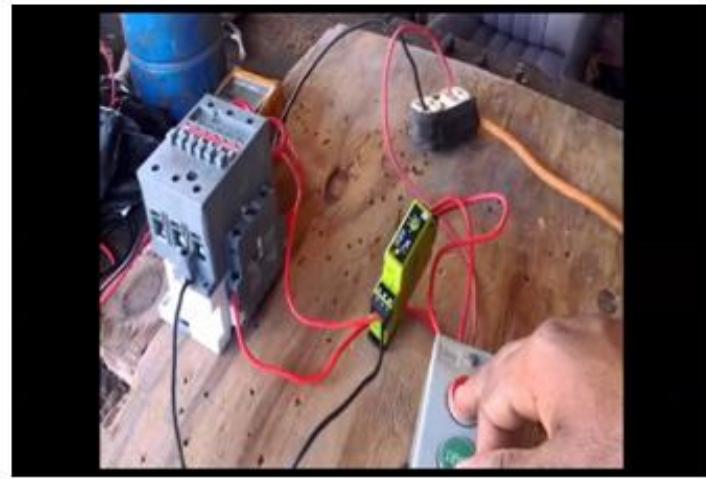
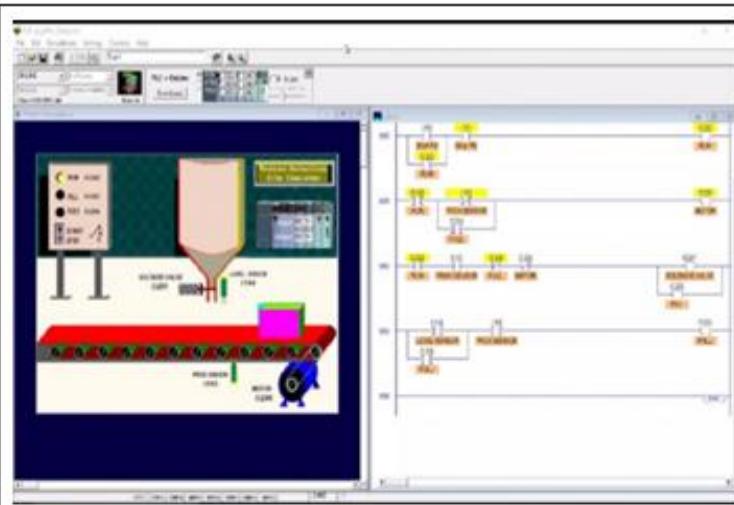
### **Meeting Link:**

<https://zoom.us/j/5670622869?pwd=RnZvNkM2YjlGTIQ3bGIKSVk1VW1UZz09>

### **1) You Tube Link of Webinar :**

Session - 1	<a href="https://youtu.be/OTpUZP45xNU">https://youtu.be/OTpUZP45xNU</a>
Session - 2	<a href="https://youtu.be/Z8KVVXrqnPU">https://youtu.be/Z8KVVXrqnPU</a>
Session - 3	<a href="https://youtu.be/Y2xscRmSGms">https://youtu.be/Y2xscRmSGms</a>
Session - 4	<a href="https://youtu.be/qrg1amwQUFk">https://youtu.be/qrg1amwQUFk</a>

# “Two Day’s Workshop on Industrial Automation”



## “Two Day’s Workshop on Industrial Automation”

Screenshot of Attendance:

v

Close Participants (196)

Search

CV	C VEERESH (me)	 
ET	EE TY (Host)	 
TC	TWOA_Nayan Chaud... (Co-host)	 
AT	Anil Telkale (Co-host)	 
DR	Dr R M Patil (Co-host)	 
TW	The Worlc of Automa... (Co-host)	 
2S	28.Payal Salgare	 
AF	A_06_Vaishnavi Farad	 
AL	A_12_Dhanashree Lokhande	 
AM	A_14_Vaishnavi Mandve	 
AP	A_19_Saifa Patel	 

Invite

■ ◯ ◀

## “Two Day’s Workshop on Industrial Automation”

12:06 PM    

[Close](#) Participants (194)

 CM	C_08_Pragati Mane	 
 ET	EE_B Tech_16_Ashwini Mane	 
 ED	EE_b.tech_08Pooja Dharme	 
 EG	EE_B.Tech_13_Revati Gorak...	 
 EN	EE_B.Tech_14_Ankita Naren...	 
 EM	EE_B.Tech_17_Sanskruti Ma...	 
 ER	EE_B.Tech_24_Kiran Rokade	 
 ED	EE_B.Tech_33_Shubham Do...	 
 ED	EE_B.Tech_40_Humbe Dipak	 
 EK	EE_B.Tech_47_Sameer Koka...	 
 EL	EE_B.Tech_49_Tushar Lade	 
 E	EE_B.Tech_52_Shantanu Lo...	 

[Invite](#)

## “Two Day’s Workshop on Industrial Automation”

Close

Participants (194)

EP	EE_B.Tech_57_Shantanu Patil	 
ES	EE_SYA_01_Shruti S Ankalgi	 
ES	EE_SYA_02_Pallavi S Bachute	 
ES	EE_SYA_03_Dhanashri S Dal...	 
ED	EE_SYA_04_Priyanka Devma...	 
ED	EE_SYA_05_Pallavi D Kokare	 
EG	EE_SYA_13_RUTUJA G Sarv...	 
E	EE_SYA_15 _Pruthviraj L Bab...	 
EK	EE_SYA_23_Pramod korake	 
EA	EE_SYA_29 Aniket Y Nakate	 
ES	EE_SYA_31_Rohit S Nikam	 
ES	EE_SYA_38Mahesh shemba...	 

[Close](#)**Participants (194)**

ES

EE\_SYA\_38Mahesh shemba...



ES

EE\_SYA\_41\_Yogesh Shinde



EN

EE\_SYB\_10\_Anisha Nagtilak



EP

EE-B.Tech-06-Snehal popat...



EH

EE-BE-11POONAM Homkar



ER

EE.B.Tech.38.Swapnil ramda...



EP

ELE\_23\_Sangita Pujari



ER

ELE\_B.tech\_25\_Anushka Ru...



EA

ENTC\_SYA\_02\_Shivani Atkale



EB

ENTC\_SYA\_04\_Aishwarya B...



EB

ENTC\_SYA\_06\_Shilpa Bhusn...



EJ

ENTC\_SYA\_07\_Jyoti chaug...

[Invite](#)[Close](#)**Participants (194)**

ES

EE\_SYA\_38Mahesh shemba...



## “Two Day’s Workshop on Industrial Automation”

THANK YOU

Five Days Workshop on  
**“6 NI Lab View Training”**

**SVERI's College of Engineering, Pandharpur**



**REPORT**

**One Week Faculty Development Program  
On  
“NI Lab View Training”**

**(Dates: 13/12/2021 to 18/12/2021)**

**Organized by  
Department of E&TC Engineering  
AY: 2021-22**



## Shri Vithal Education & Research Institute's COLLEGE OF ENGINEERING, PANDHARPUR

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Pandharpur- 413 304, District: Solapur (Maharashtra)  
Tel.: 02186-216063, 9503103757, Toll Free No.: 1800-3000-4131, E-mail: [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Web: [www.sveri.ac.in](http://www.sveri.ac.in)  
Approved by A.I.C.T.E., New Delhi and Affiliated to P.A.H. Solapur University, Solapur  
NBA Accredited all eligible UG Programmes, NAAC Accredited Institute, Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune. ISO 9001-2015 Certified Institute



ISO 9001:2015  
www.tuv.com  
ID: 9105048198



### Report of FDP

**Title of FDP: "NI Lab View Training"**

**Date: 13<sup>th</sup> December, 2021 to 18<sup>th</sup> December, 2021**

**Venue: PG-Lab E&TC Department SVERI's COE, Pandharpur**

**Organizing Department: Electronics and Telecommunication Engineering**

**Mode of Conduction: offline**

#### **Brief Details about the Programme:**

The department of Electronics and Telecommunication Engineering, SVERI's College of Engineering, Pandharpur had organized an one week Faculty Development Program on "**NI Lab View Training**" from **13<sup>th</sup> December, 2021 to 18<sup>th</sup> December, 2021**. The aim of this one week online Faculty Development Program is to provide insight on research opportunities in advanced communication systems for researchers and designers from academicians and industry.

The FDP was inaugurated by the resource person **Mr. Biswajit Banarjee (Technical expert, Trident Techlabs, Pune)**. Dr. V. G. Kale (Assistant HoD, E&TC Department) was given brief introduction about resource person. Dr. M. S. Mathpati has given brief introduction about this FDP.

*During this one week FDP, the expert person talked on Advances and Research opportunities in the field of Analog and digital circuits, Embedded System and VLSI Design.* For this FDP, more than 40 faculties were actively participated.

**Mr. Amol A. Kadam**  
FDP Coordinator

**Prof. Dr. M. M. Pawar**  
HOD E&TC Department

**HEAD**  
**Dept. of Electronics & Telecom. Engg.**  
**S. O. E. Pandharpur**

## ➤ Brochure of FDP:

**Key Points of FDP**

- Introduction to Lab View
- Introduction to ELVIS hardware and prototype board.
- Introduction to FPGA board.
- Application of Bioinstrumentation sensor kit.
- Introduction and implementation of embedded system by using NI myRIO.

**RESOURCE PERSON**

Mr. Biswajit Banarjee  
Technical Experts, Trident Techlabs, Pune

**About Registration**

**Duration of FDP:** 13<sup>th</sup> December to 18<sup>th</sup> December, 2021

**Last date to Register:** 12<sup>th</sup> December, 2021, 5:00 PM  
(No Registration Fee)  
Certificate will be issued to each participant who attends all the sessions completely.

**Mode of Conduction - Offline**

**One Week FDP on  
“NI Lab View Training”**

13<sup>th</sup> December to 18<sup>th</sup> December, 2021



Organized by,  
**Department of E&TC Engineering**



Shri Vithal Education & Research Institute's  
**College of Engineering, Pandharpur**  
Approved by AICTE, New Delhi, NBA Accredited all Eligible UG Programmes, Accredited by NAAC, The Institution of Engineers (India) Kolkata, & TCS Pune, An ISO 9001:2015 Certified Institute. Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur.  
P.B. No. 54, Gopalpur - Ranjani Road, Gopalpur, Pandharpur-413304, Dist.-Solapur, (Maharashtra) - India

**About the Institute**

Pandharpur is well known holy place for Lord Shri Vithal temple. It is recognized as Spiritual capital of Maharashtra and popularly known as 'South Kashi' of India. Shri Vithal Education & Research Institute (SVERI) is charitable trust formed by technocrats and established its first project as College of Engineering, Pandharpur in 1998. Approved by AICTE, New Delhi, NBA Accredited all Eligible UG Programmes, Accredited by NAAC, The Institution of Engineers (India) Kolkata, & TCS Pune, An ISO 9001:2015 Certified Institute, Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur.

**About the Department**

The Department of Electronics & Telecommunication engineering was established in the year 1998. The department has Qualified and Dedicated Faculty Members with the specialization with various areas. Department of E&TC have UG (Intake-120), PG (Intake-18) and Ph.D. programs. Department has 10 well equipped labs along with all the required facilities. E&TC department has been accredited by NBA and ISO. The department has excellent culture of result, research and industry institute interaction. Through MODROB department has set up the Centre of Excellence in Antenna design and testing as well as machine learning.

**FDP Overview**

The installation of NI Lab view, training on lab view basics, application of embedded system and Bioinstrumentation sensor in analogy and digital communications will enable countless automation system for the rapidly growing Internet of Things, Wireless Sensor Networks. This one-week FDP is aimed at providing the participants with a glimpse of the contemporary and advanced developments in the fields of Electronics.

**CHIEF PATRON**  
Dr. B. P. Ronge  
Principal, SVERI's COE, Pandharpur

**ADVISORY BOARD**  
Prof. S. B. Ronge  
Trustee Member, SVERI's COE, Pandharpur

Dr. P. M. Pawar (Dean Academics)

Prof. M. M. Pawar (Campus In charge)

**CONVENOR**  
Dr. Mrs. M. M. Pawar  
Professor and Head,  
Department of E&TC Engineering

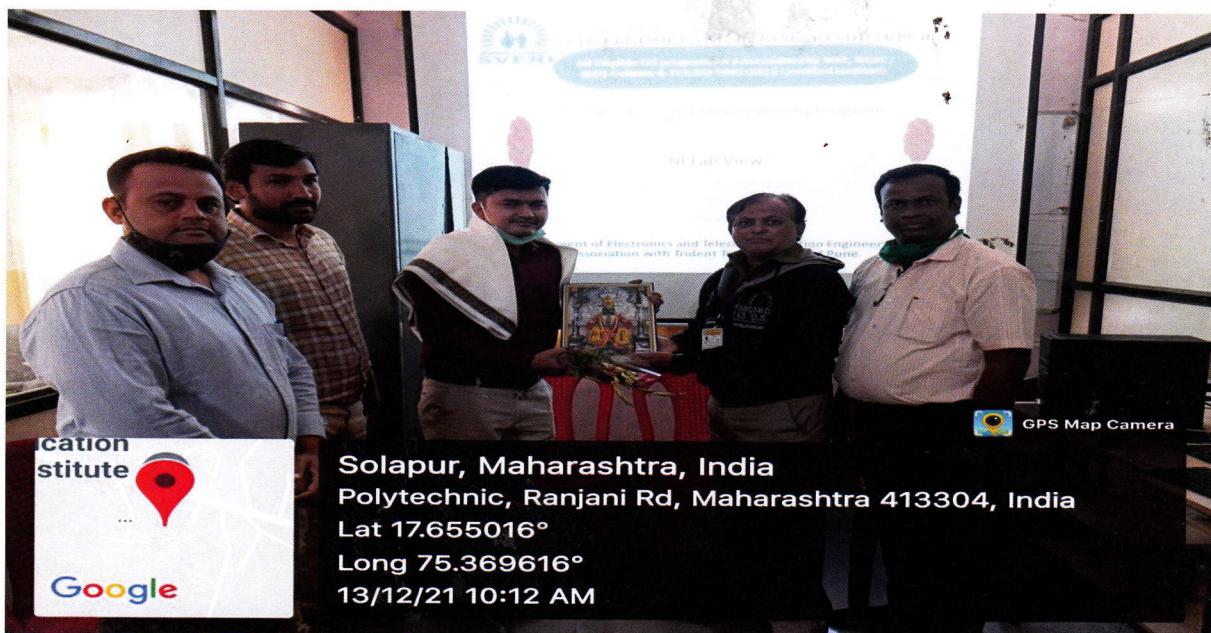
**CO-CONVENOR**  
Dr. M. S. Mathpati (PG Co ordinator)

**COORDINATORS**  
Prof. Amol A. Kadam (9623368188, aakadam@coe.sveri.ac.in)  
Prof. S. P. Swami (8149272261, spswami@coe.sveri.ac.in)

➤ **Schedule of FDP:**

Sr. No.	Day & Date	Time	Session
1.	Monday 13/12/2021	10: 00 am to 01:00 pm	Inaugural Function Identification of all supplied Items.
		02: 00 am to 04:00 pm	Software Installation on PC 1
2.	Tuesday 14/12/2021	10: 00 am to 01:00 pm	Training on Lab VIEW Basics
		02: 00 am to 04:00 pm	Presentation on ELVIS
3.	Wednesday 15/12/2021	10: 00 am to 01:00 pm	Installation of Lab VIEW 2015 in PC 2
		02: 00 am to 04:00 pm	Presentation on myRIO
4.	Thursday 16/12/2021	10: 00 am to 01:00 pm	Connecting sensor to myRIO
		02: 00 am to 04:00 pm	Connecting sensor to myRIO
5.	Friday 17/12/2021	10: 00 am to 01:00 pm	Presentation of FPGA board
		02: 00 am to 04:00 pm	Hands on session
6.	Saturday 18/12/2021	10: 00 am to 01:00 pm	Hands on session
		02: 00 am to 04:00 pm	Valedictory and Feedback Session

➤ **Glimpses of FDP Sessions:**

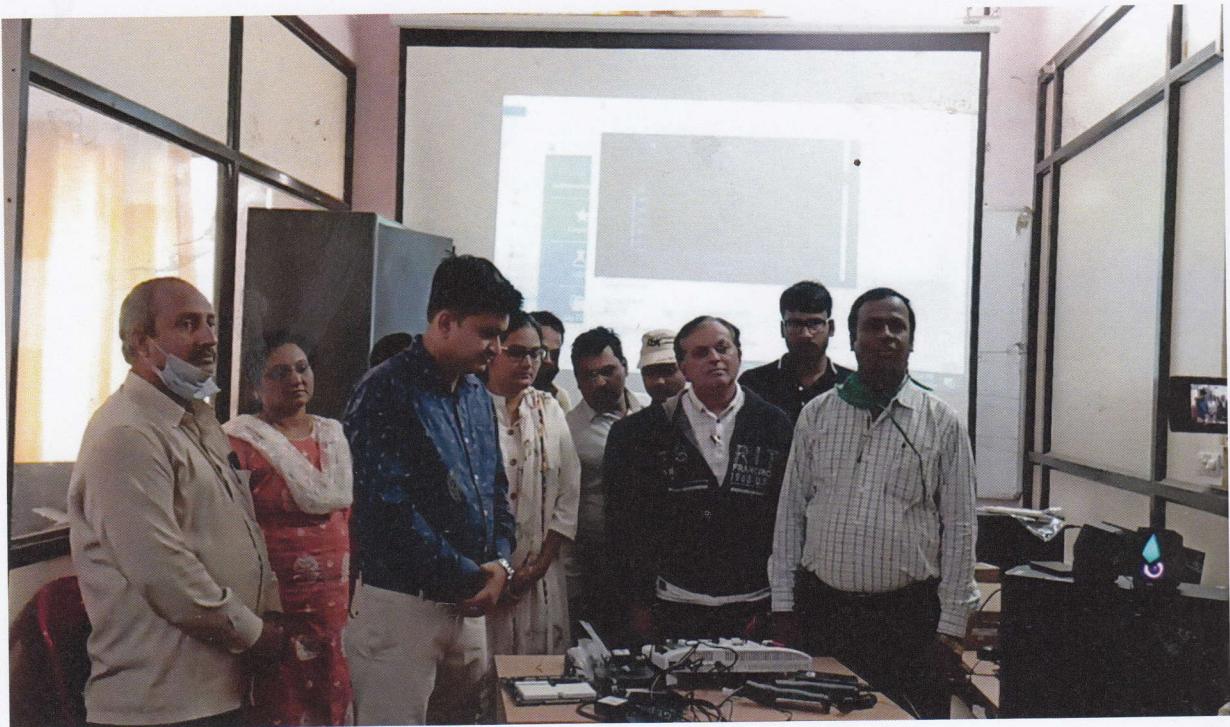




**Solapur, Maharashtra, India**  
Polytechnic, Ranjani Rd, Maharashtra 413304, India  
Lat 17.655026°  
Long 75.369616°  
13/12/21 10:24 AM

GPS Map Camera





➤ **Glimpses of Valedictory Function:**



➤ Sample copy of Certificate:



➤ Outcomes of FDP:

- PO1: Engineering Knowledge:** Faculties/ Participants got knowledge about recent technology in communication.
- PO2 & PO3: Design/Development of Solutions:** By doing Research in analog and digital communication, Faculties/ Participants will design/develop solution of complex engineering problems for advanced communication systems.
- PO6: Engineers and Society:** Faculties/ Participants will design/develop different applications of advanced communication systems used for society.
- PO10: Communication:** Faculties/ Participants will design/develop solutions for advanced communication systems in the entire world.

*Amol*  
Mr. Amol A. Kadam  
FDP Coordinator

*MM Pawar*  
Prof. Dr. M. M. Pawar  
HOD E&TC Department

**HEAD**  
Dept. of Electronics & Telecom. Eng.  
C. O. E. Pandharpur

## Key Points of FDP

- Introduction to Lab View
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### RESOURCE PERSON

Mr. Biswajit Banarjee  
Technical Experts, Trident Techlabs, Pune

## About Registration

**Duration of FDP:** 13<sup>th</sup> December to 18<sup>th</sup> December, 2021

**Last date to Register:** 12<sup>th</sup> December, 2021, 5:00 PM  
(No Registration Fee)

Certificate will be issued to each participant who attends all the sessions completely.

### Mode of Conduction - Offline

**One Week FDP on**

## “NI Lab View Training”

13<sup>th</sup> December to 18<sup>th</sup> December, 2021



Organized by,  
**Department of E&TC Engineering**



Shri Vithal Education & Research Institute's  
**College of Engineering, Pandharpur**

Approved by AICTE, New Delhi, NBA Accredited all Eligible UG Programmes, Accredited by NAAC, The Institution of Engineers (India) Kolkata, & TCS Pune, An ISO 9001:2015 Certified Institute. Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur.

P.B. No. 54, Gopalpur - Ranjani Road, Gopalpur, Pandharpur-413304,  
Dist.-Solapur, (Maharashtra) - India

## About the Institute

Pandharpur is well known holy place for Lord Shri Vithal temple. It is recognized as Spiritual capital of Maharashtra and popularly known as '**South Kashi**' of India. Shri Vithal Education & Research Institute (SVERI) is charitable trust formed by technocrats and established its first project as College of Engineering, Pandharpur in **1998**, Approved by AICTE, New Delhi, **NBA** Accredited all Eligible UG Programmes, Accredited by **NAAC**, The Institution of Engineers (India) Kolkata, & TCS Pune, An **ISO 9001:2015** Certified Institute, Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur.

## About the Department

The Department of Electronics & Telecommunication engineering was established in the year 1998. The department has Qualified and Dedicated Faculty Members with the specialization with various areas. Department of E&TC have UG (Intake-120), PG (Intake-18) and Ph.D. programs. Department has 10 well equipped labs along with all the required facilities.

E&TC department has been accredited by **NBA** and **ISO**. The department has excellent culture of result, research and industry institute interaction. Through **MODROB** department has set up the Centre of Excellence in Antenna design and testing as well as machine learning.

## FDP Overview

The installation of NI Lab view, training on lab view basics, application of embedded system and Bioinstrumentation sensor in analogy and digital communications will enable countless automation system for the rapidly growing Internet of Things, Wireless Sensor Networks. This one-week FDP is aimed at providing the participants with a glimpse of the contemporary and advanced developments in the fields of Electronics.

### CHIEF PATRON

**Dr. B. P. Ronge**

Principal, SVERI's COE, Pandharpur

### ADVISORY BOARD

**Prof. S. B. Ronge**

Trustee Member, SVERI's COE, Pandharpur

**Dr. P. M. Pawar (Dean Academics)**

**Prof. M. M. Pawar (Campus In charge)**

### CONVENOR

**Dr. Mrs. M. M. Pawar**

Professor and Head,

Department of E&TC Engineering

### CO-CONVENOR

**Dr. M. S. Mathpati (PG Co ordinator)**

### COORDINATORS

**Prof. Amol A. Kadam (9623368188, aakadam@coe.sveri.ac.in)**

**Prof. S. P. Swami (8149272261, spswami@coe.sveri.ac.in)**



**Shri Vithal Education & Research Institute's  
COLLEGE OF ENGINEERING, PANDHARPUR**

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Tel.: 02186-216063, 9503103757, Toll Free No.: 1800-3000-4131, E-mail: [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Web: [www.sveri.ac.in](http://www.sveri.ac.in)  
Approved by A.I.C.T.E., New Delhi and Affiliated to P.A.H. Solapur University, Solapur  
NBA Accredited all eligible UG Programmes, NAAC Accredited Institute, Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune. ISO 9001-2015 Certified Institute



Ref: COEPR/ENTC/2021-22/324

Date: 12/12/2021

**One Week Faculty Development Program  
on  
“NI Lab view”  
(13<sup>th</sup> December, 2021 to 18<sup>th</sup> December, 2021)  
Organized By  
Department of E&TC Engineering**

**FDP Session Schedule**

<b>Sr. No.</b>	<b>Day &amp; Date</b>	<b>Time</b>	<b>Session</b>
<b>1.</b>	Monday 13/12/2021	10: 00 am to 01:00 pm	Inaugural Function Identification of all supplied Items.
		02: 00 am to 04:00 pm	Software Installation on PC 1
<b>2.</b>	Tuesday 14/12/2021	10: 00 am to 01:00 pm	Training on Lab VIEW Basics
		02: 00 am to 04:00 pm	Presentation on ELVIS
<b>3.</b>	Wednesday 15/12/2021	10: 00 am to 01:00 pm	Installation of Lab VIEW 2015 in PC 2
		02: 00 am to 04:00 pm	Presentation on myRIO
<b>4.</b>	Thursday 16/12/2021	10: 00 am to 01:00 pm	Connecting sensor to myRIO
		02: 00 am to 04:00 pm	Connecting sensor to myRIO
<b>5.</b>	Friday 17/12/2021	10: 00 am to 01:00 pm	Presentation of FPGA board
		02: 00 am to 04:00 pm	Hands on session
<b>6.</b>	Saturday 18/12/2021	10: 00 am to 01:00 pm	Hands on session
		02: 00 am to 04:00 pm	Valedictory and Feedback Session

*Amol*  
Mr. Amol A. Kadam  
FDP Coordinator

*Prof. Dr. M. M. Pawar*  
HOD E&TC Department

**HEAU**  
Dept. of Electronics & Telecom. Engg.  
\* O.E. Pandharpur

**Shri Vithal Education & Research Institute's College Of Engineering , Pandharpur**

**One Week Faculty Development Program on**

**" NI Lab View "**

**(13 December , 2021 to 18 December , 2021)**

**Organized By**

**Department of E&TC Engineering**

<b>Sr.No</b>	<b>Name of Paticipant</b>	<b>Designation</b>	<b>Name of Institute</b>	<b>Name Of Department</b>	<b>Mobile.No</b>	<b>E-mail ID</b>
1	Dr.Meenakshi .M.Pawar	Associate Professor	SVERI College of Engg Pandharpur	ENTC	9518930034	mmpawar@coe.sveri.ac.in
2	Dr.Vaishnav . G. Kale	Associate Professor	SVERI College of Engg Pandharpur	ENTC	9049864995	vkgale@coe.sveri.ac.in
3	Mr.Anil.M.Kasture	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9764497497	amkasture@coe.sveri.ac.in
4	Mr.Amol .A.Kadam	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9623368188	aakadam@coe.sveri.ac.in
5	Mr. Akshay.A.Jadhav	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9552690538	jadhavaa@coe.sveri.ac.in
6	Ms.Viddulata .A.Patil	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9975035677	vapatil@coe.sveri.ac.in
7	Dr.Mahesh .S. Mathpati	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9503019997	msmathpati@coe.sveri.ac.in
8	Mr.Jagdish .S. Hallur	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9975090344	jshallur@coe.sveri.ac.in
9	Ms.Mohua Biswas	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9366718199	msbiswas@coe.sveri.ac.in
10	Ms. Tejas . S. Joshi	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9579065584	tsjoshi@coe.sveri.ac.in
11	Mrs.Jyoti.S.Shinde	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9518938843	jakendule@coe.sveri.ac.in
12	Mr.Manoj .A.Deshmukh	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9970277150	madeshmukh@coe.sveri.ac.in
13	Mr.Sujit.A.Inamdar	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9922818946	sainamdar@coe.sveri.ac.in
14	Ms.Neeta . P. Kulkarni	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9823601809	npkulkarni@coe.sveri.ac.in
15	Mr.Rahul . U. Kale	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	8308982120	prahulkale17@gmail.com
16	Mr.Suhas. B. Khadake	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	8380050622	sbkhadake@coe.sveri.ac.in
17	Mr.Shrishail .P.Swami	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	8149272261	spswami@coe.sveri.ac.in
18	Ms.Seema . A. Atole	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	8999264797	saatole@coe.sveri.ac.in
19	Mr.Rohit . M. Khadkikar	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	8421023349	rmkhadkikar@coe.sveri.ac.in
20	Ms.Sheetal Sunil Shirke	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	8862054695	ssshirke@cod.sveri.ac.in
21	Mrs. Anuja . M. Lotake	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	8830694012	amlotake@coe.sveri.ac.in
22	Mr. Ganesh . N. Shinde	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	7083122852	gnshinde@cod.sveri.ac.in
23	Ms.Snehal.Y. Abhangrao	Lecturer	SVERI College of Engg Pandharpur	ENTC	7057587741	snehalmarab@gmail.com
24	Mr.Amol.B. Chounde	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9922341043	amchounde@coe.sveri.ac.in
25	Mr.Rahul.B.Pawar	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9665227585	rpbawar@coe.sveri.ac.in
26	Mr.Vijay.J.Madane	Assistant Professor	SVERI College of Engg Pandharpur	ENTC	9637841068	vjmadane@coe.sveri.ac.in
27	Ms.Mrunal.M.Patil	Lab Assistant	SVERI College of Engg Pandharpur	ENTC	7620696065	mmpatil21@coe.sveri.ac.in
28	Ms.Jayashri Madane	Assistant Professor	SVERI College of Engg Pandharpur	CSE engg	9637841068	jvmadane@coe.sveri.ac.in
29	Mr.Vijay.A. Sawant	Assistant Professor	SVERI College of Engg Pandharpur	Electrical Engg	7709322073	vasawant@coe.sveri.ac.in
30	Mr.Veeresh chakali	Assistant Professor	SVERI College of Engg Pandharpur	Electrical Engg	9074847310	vchakali@coe.sveri.ac.in
31	Mr.Dhanraj.D.Daphale	Assistant Professor	SVERI College of Engg Pandharpur	Electrical Engg	9767515023	dddaphale@coe.sveri.ac.in
32	Mr.Mahesh.S. Yadrami	Assistant Professor	SVERI College of Engg Pandharpur	Electrical Engg	9535322500	msyadrami@coe.sveri.ac.in
33	Ms.Komal . D. Dhumal	Lab Assistant	SVERI College of Engg Pandharpur	Electrical Engg	7385847578	dhumalkomal23@gmail.com

*Cony*  
Mr. A.A.Kadam  
FDP Coordinator

*Shrikant*  
Dr. M. M. Pawar  
HOD, E&TC Dept.

**HEAD**  
**Dept. of Electronics & Telecom. Eng.**  
**C.O.E. Pandharpur**

**COLLEGE OF ENGINEERING, PANDHARPUR**

B. No. 54, Gopalpur -Ranjanji Road, Gopalpur, Pandharpur- 413 304, District: Solapur (Maharashtra) Tel.: 02186-216063, 19503103757, Toll Free No.: 1800-3000-4131, E-mail: [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Web: [www.sveri.ac.in](http://www.sveri.ac.in) (Approved by A.I.C.T.E., New Delhi and Affiliated to P.A.H.Solapur University, Solapur NBA Accredited all eligible UG Programmes, NAAC Accredited Institute, Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune. ISO 9001-2015 Certified Institute.



Ref: COEPR/ENTC/2021-22/325

Date: 12/12/2021

To,  
Mr. Biswajit Banarjee,  
Technical expert,  
Trident Techlabs, Pune.

**Subject: Invitation as resource person for one week Faculty Development Program.**

Respected Sir,

Shri Vithal Education and Research Institute's (SVERI's) College of Engineering, Pandharpur was established in 1998, which is approved by AICTE, New Delhi. It has been affiliated to PAHSU, Solapur. This institute is ISO 9001:2015 certified and is accredited by NBA, New Delhi and NAAC.

The Department of Electronics & Telecommunication Engineering was established in the year 1998. The department has Qualified and Dedicated Faculty Members with the specialization with various areas. Department of E&TC has UG (Intake-120), PG (Intake-18) and Ph.D. programs. Department has 10 well equipped labs along with all the required facilities. E&TC department has been accredited by NBA and ISO. The department has excellent culture of result, research and industry institute interaction. Through MODROB department has set up the Centre of Excellence in Antenna design and testing as well as machine learning.

As the Industrial and Societal needs are changing continuously with the latest technologies, there is need to understand this fast-changing technologies in communication systems. So, our department has decided to organize **One Week Faculty Development Program** on "NI Lab View Training" from **13/12/2021 to 18/12/2021**. The purpose of this Faculty Development Program is to provide insight on the faculty members and some students got the benefit of above training which will be helpful for the final year projects and research work in the area of Analog and digital circuits, Embedded System and VLSI Design

Its pleasure and privilege to invite you as a resource person for the same and guide the participants with your expertise in Communication technology. So, I request you to kindly consider and give me consent for the same.

Yours Faithfully,

**Dr. Mrs. M. M. Pawar**  
**HOD E&TC**  
**HEAD**

**Dept. of Electronics & Telecom. Eng.**  
**C. O. E. Pandharpur**



Shri Vithal Education & Research Institute's

## COLLEGE OF ENGINEERING, PANDHARPUR



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Ref: COEPR/ENTC/2021-22/326

Date: 18/12/2021

### Department of Electronics & Telecommunication Engineering

To,  
Mr. Biswajit Banarjee,  
Technical expert,  
Trident Techlabs, Pune

**Subject: Thanks Letter**

Respected Sir,

This is to express our heartfelt gratitude towards you for accepting invitation as resource person for **One Week Faculty Development Program on "NI Lab View Training"** from **13/12/2021 to 18/12/2021**.

Your valuable guidance will always keep faculties and students inspiring and motivating. I request the same kind of cooperation in future also.

Thank you.

Yours Faithfully,

  
**Dr. Mrs. M. M. Pawar**  
**HOD E&TC**

**HEAD**

**Dept. of Electronics & Telecom. Engg.**  
**C. O. B - Pandharpur**

**COLLEGE OF ENGINEERING, PANDHARPUR**

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Ref. No. COEPR/ENTC/2021-22/296.

Date: 08.12.2021

## Department of Electronics and Telecommunication Engineering

### One Week FDP on “NI Lab View”

#### FDP Committee

#### Office Order

The following committees are formed for smooth conduction of Faculty Development Program organized by E&TC department from **13.12.2021 to 18.12.2021**. As per the directives from honorable HOD the following faculty members are here by informed to attend the complete session by adjusting the load.

1. Mr. A A kadam	2. Mr. S A Inamdar	3. Ms. V A Patil	4. Mr. R B Pawar
5. Mr. S M Karave		6. Mr. Rohit Khedkikar	7. Mr. V J Madane

Sr. No.	Name of Committee	Faculty	Responsibilities
2.	Smooth Conduction of session and Overall Coordination	Mr. Amol Kadam Dr. M S Mathpati Dr. Mrs. M M Pawar Dr. V G Kale	Necessary arrangements for the session and Hospitality of Guest.
3.	Recording of the session and Geo tagged Photographs.	Ms. V A Patil Mr. Rohit Khadkikar	Recording the sessions and taking Geotagged Photo throughout the session and sending to coordinator
4.	Attendance of each session and Feedback and Quiz on the last day of the session.	Mr. V J Madane Mr. R B Pawar	Collecting attendance of each session and Preparation of Feedback form and Quiz
5.	E-certificate distribution	Mr. S A Inamdar Mr. S M Karve	Preparation of E-certificates and distribution of E-certificates to the participants.

Dr. Mahesh S Mathpati  
PG Cordinator

Dr. Mrs. M M Pawar  
HOD, E&TC Department

HEAD  
Dept. of Electronics & Telecom. Engg.  
S. Q.E. Pandharpur

**COLLEGE OF ENGINEERING, PANDHARPUR**  
**Department of Electronics and Telecommunication Engineering**

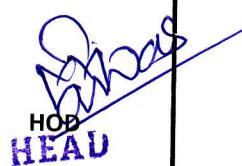
One Week FDP on "NI Lab View" in association with Trident Techlabs Pvt. Ltd Pune

Attendance Sheet

Date : 13/12/2021

Sr.No	Faculty Name / STUDENT	First Session	Second Session
1	I Tejus S. Joshi	T.S.J	T.S.J.S.H.
2	Pravendra D. Patil	P.P.	P.P.
3	Mohua Biswas	M.Biswas	M.Biswas
4	V.A. Patil	V.P.	V.P.
5	Mr. J. S. Patil	J.S.P.	J.S.P.
6	Mr. A. A. Karkam	A.K.	A.K.
7	Mr. R. M. Khadkikar	R.M.K.	R.M.K.
8	S.D. Diwane	S.D.	S.D.
9	D. B. Dekare	D.B.	Dekare
10	Rohit K. Chougule	R.K.	R.K.
11	Dnyaneshwar N. Mhetre	D.N.M.	D.N.M.
12	Aniket Ankush Shinde	A.A.S.	A.A.S.
13	Saodip. H. Khatate	S.H.K.	S.H.K.
14	Dr. Kali Vaishnav	K.V.	K.V.
15	Mr. S. A. Inamdar	S.A.	S.A.
16	Mr. R. B. Pawar	R.B.	R.B.
17	Mr. C. Veeresh	C.V.	C.V.
18	Mr. V. A. Sawant	V.A.S.	V.A.S.
19	Mr. G. N. Shinde	G.N.S.	G.N.S.
20	Mrs. J. V. Madore	J.V.M.	J.V.M.
21	Mr. P. S. Valte	P.S.V.	P.S.V.
22	Ms. S. S. Yadav	S.S.Y.	S.S.Y.
23	Mr. R. U. Kale	R.U.K.	R.U.K.
24	Mr. V. J. Madare	V.J.M.	V.J.M.
25	M. B. Digmukh	M.B.D.	M.B.D.
26	I. N. P. Kulkarni	I.N.P.K.	I.N.P.K.
27	S. M. Kavre	S.M.K.	S.M.K.
28	Mr. S. P. Swami	S.P.S.	S.P.S.
29	Ms. S. A. Atole	S.A.A.	S.A.A.
30	IT-S. Shinde	IT-S.S.	IT-S.S.

  
 Co-ordinator

  
 HOD  
 HEAD

Dept. of Electronics & Telecom. Engr.  
 S.O.E. Pandharpur

**COLLEGE OF ENGINEERING, PANDHARPUR**

**Department of Electronics and Telecommunication Engineering**

**One Week FDP on "NI Lab View" in association with Trident Techlabs Pvt.  
Ltd Pune**

Attendance Sheet

Date : 14/12/21

Sr.No	Faculty Name	First Session	Second Session
1	Dr. Mahesh S. Matkar	<u>Present</u>	<u>Present</u>
2	Mr. Rohit Khadkikar	<u>Present</u>	<u>Present</u>
3	Mr. Akshay Anil Joshoor	<u>Present</u>	
4	Mr. Amol A. Kadamb	<u>Present</u>	<u>Present</u>
5	Ms. Seema A. Atole	<u>Present</u>	<u>Present</u>
6	Ms. Sneha S. Kadamb	<u>Present</u>	<u>Present</u>
7	Ms. Mohua Biswas	<u>Present</u>	<u>Present</u>
8	Ms. V. A. Patil	<u>Present</u>	<u>Present</u>
9	Ms. T. S. Joshi	<u>Present</u>	<u>Present</u>
10	Ms. S. D. Pujare	<u>Present</u>	
11	Mr. T. S. Hallur	<u>Present</u>	<u>Present</u>
12	Mr. S. A. Inamdar	<u>Present</u>	<u>Present</u>
13	Dr. Kale Vaishnavi	<u>Present</u>	<u>Present</u>
14	Saurabh D. Diwane	<u>Present</u>	<u>Present</u>
15	Dnyaneshwar B. Dukare	<u>Present</u>	<u>Present</u>
16	Rohit K. Chougule	<u>Present</u>	<u>Present</u>
17	Dnyaneshwar N. Mhetre	<u>Present</u>	<u>Present</u>
18	Apiket Ankush Shinde	<u>Present</u>	<u>Present</u>
19	Sandip Hemumund Khatarkar	<u>Present</u>	
20	Rohit Pandudeeng Misal	<u>Present</u>	<u>Present</u>
21	S. M. Karve	<u>Present</u>	<u>Present</u>
22	V. T. Madarce	<u>Present</u>	<u>Present</u>
23*	Ms. Sneha S. Kadamb	<u>Present</u>	<u>Present</u>
24	Ms. N. P. Kulkarni	<u>Present</u>	<u>Present</u>
25	Mr. H. C. Bhaldar	<u>Present</u>	<u>Present</u>
26	Mr. R. B. Pawar	<u>Present</u>	<u>Present</u>
27	Mr. C. Veereth	<u>Present</u>	<u>Present</u>
28	Mr. V. A. Sawant	<u>Present</u>	<u>Present</u>
29	Mr. G. N. Shinde	<u>Present</u>	<u>Present</u>
30	Mr. J. V. Madare	<u>Present</u>	<u>Present</u>
31	Mr. P. S. Valte	<u>Present</u>	
32	Co-ordinator Yadan	<u>Present</u>	<u>HOD</u>
33	Mr. R. U. Kale	<u>Present</u>	
34	Mr. M. A. Nahmuth	<u>Present</u>	<u>Present</u>
35	Mr. S. P. Swami	<u>Present</u>	<u>Present</u>



  
HOD  
Dept. of Electronics & Telecom. Engr.  
S. V. E. Pandharpur

## COLLEGE OF ENGINEERING, PANDHARPUR

Department of Electronics and Telecommunication Engineering

One Week FDP on "NI Lab View" in association with Trident Techlabs Pvt.  
Ltd Pune

Attendance Sheet

Date : 15/12/21

Sr.No	Faculty Name	First Session	Second Session
1	Dr. M. S. Matopati	Present	Present
2	Mr. V. A. Patil	Present	Present
3	Mr. T. S. Joshi	Present	Present
4	Mr. R. M. Khadikar	Present	Present
5	Mr. Huzeram K. Bhalodar	Present	Present
6	Mr. J. S. Halliker	Present	Present
7	Mr. S. A. Inamdar	Present	Present
8	Mr. S. M. Kavre	Present	Present
9	Mr. Mohan Biswas	Present	Present
10	Mr. A. Atole	Present	Present
11	Mr. S. Kadam	Present	Present
12	Mr. P. Kulkarni	Present	Present
13	Mr. T. Madane	Present	Present
14	Mr. A. A. Tadhe	Present	Present
15	Mr. A. H. Kadam	Present	Present
16	Mr. R. B. Pawar	Present	Present
17	Mr. C. Veeresh	Present	Present
18	Mr. V. A. Sawant	Present	Present
19	Mr. G. N. Shinde	Present	Present
20	Mr. J. V. Madane	Present	Present
21	Mr. S. S. Yadav	Present	Present
22	Mr. P. S. Valte	Present	Present
23	Mr. R. U. Kale	Present	Present
24	Mr. M. A. Dabhade	Present	Present
25	Mr. S. P. Swami	Present	Present
26	Mr. S. S. Shinde	Present	Present
27	Dr. V. G. Sule	Present	Present
28			
29			
30			

Co-Ordinator

HOD

HEAD

Dept. of Electronics & Telecom. Eng.  
C. O. E. Pandharpur

## COLLEGE OF ENGINEERING, PANDHARPUR

Department of Electronics and Telecommunication Engineering

One Week FDP on "NI Lab View" in association with Trident Techlabs Pvt.  
Ltd Pune

Attendance Sheet

Date : 16/12/2021

Sr.No	Faculty Name	First Session	Second Session
1	Vijay T madame	Present	Present
2	Mr. Akshay A. Jadhav	Present	Present
3	Mr. Amol A. Icadam	Present	Present
4	Mr. V. A. Savardar	Present	Present
5	Dr. M. S. Mathurati	Present	Present
6	Mr. R. B. Pawar	Present	Present
7	Mr. C. Veeresh	Present	Present
8	Mr. G. N. Shinde	Present	Present
9	Ms. T. V. Madore	Present	Present
10	Ms. S. S. Yadav	Present	Present
11	Mr. P. S. Valte	Present	Present
12	Mr. R. V. Kale	Present	Present
13	Mr. M. A. Dabhade	Present	Present
14	Mr. J. P. Hallur	Present	Present
15	Mr. S. A. Inamdar	Present	Present
16	Mr. Bicnay	Present	Present
17	Mr. T. S. Joshi	Present	Present
18	Mr. P. Kulkarni	Present	Present
19	Mr. M. Karve	Present	Present
20	Mr. S. P. Swami	Present	Present
21	Ms. S. A. Atole	Present	Present
22	Mr. V. A. Patil	Present	Present
23	Mr. S. S. L. Jinde	Present	Present
24	Mr. R. M. Ichalkariker	Present	Present
25	Dr. V. B. Josale	Present	Present
26			
27			
28			
29			
30			

Co-Ordinator

HOD

HEAD

Dept. of Electronics & Telecom. Engg.  
A.E. Pandharpur

## COLLEGE OF ENGINEERING, PANDHARPUR

Department of Electronics and Telecommunication Engineering

One Week FDP on "NI Lab View" in association with Trident Techlabs Pvt.  
Ltd Pune

Attendance Sheet

Date : 17/12/21

Sr.No	Faculty Name	First Session	Second Session
1			
2	Dr. M. S. Mataparti	✓	✓
3	Mr. A. A. Icadam	✓	✓
4	Mr. Akshay A. Joshi	✓	✓
5	Mr. V. V. Madane	✓	✓
6	Mr. C. Veeresh	✓	✓
7	Mr. R. B. Pawar	✓	✓
8	Mr. V. A. Sawant	✓	✓
9	Mr. G. N. Shinde	✓	✓
10	Mrs. J. V. Madare	✓	✓
11	Ms. S. S. Yadan	✓	✓
12	Mr. Vatte P. S.	✓	✓
13	Mr. Kale R. V.	✓	✓
14	Mr. M. A. Deshmukh	✓	✓
15	Mr. J. S. Hallur	✓	✓
16	Mr. S. A. Inamdar	✓	✓
17	Ms. M. B. Bawar	✓	✓
18	Ms. T. S. Joshi	✓	✓
19	Ms. N. P. Kulkarni	✓	✓
20	S. M. Karve	✓	✓
21	S. P. Swami	✓	✓
22	Ms. S. A. Atole	✓	✓
23	Ms. V. A. Patil	✓	✓
24	Mr. S. Shinde	✓	✓
25	Mr. R. M. Khadilkar	✓	✓
26	Dr. V. G. Kale	✓	✓
27			
28			
29			
30			

Co-Ordinator

HOD

HEAD

Dept. of Electronics & Telecom. Engg.  
C. O. E. Pandharpur

Shri Vithal Education & Research Institute's  
**College of Engineering ,Pandharpur**  
 Department of Electronics and Telecommunication Engineering  
 One week FDP On "NI Lab View" in association with trident Techlabs PVT.

Ltd Pune  
 Attendance Sheet      Date: 18/12/21

Sr No	Faculty Name	First Session	Second Session
1	N.S. Madane	Present	Present
2	S. M. Katre	Present	Present
3	Mr. A. A. Kadam	Present	Present
4	Mrs. J. V. Chadare	Present	Present
5	Mr. R. B. Pawar	Present	Present
6	Ms. S. S. Yadav	Present	Present
7	Mr. Valte P. S.	Present	Present
8	Mr. Kale R. V.	Present	Present
9	Mr. M. A. Dabhade	Present	Present
10	Mr. J. S. Hallare	Present	Present
11	Mr. S. A. Inamdar	Present	Present
12	Ms. M. Biswas	Present	Present
13	Ms. T. S. Joshi	Present	Present
14	IN. P. Kulkarni	Present	Present
15	Ms. S. A. Atole	Present	Present
16	Ms. V. A. Patil	Present	Present
17	Ms. S. B. Bende	Present	Present
18	Mr. R. M. Bhadkar	Present	Present
19	Dr. V. G. Jogle	Present	Present
20	Mr. A. Kshetry Jadhav	Present	Present
21			
22			
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29			
30			

Amul  
 Co Ordinator

Shrikant  
 HOD  
**HEAD**

Dept. of Electronics & Telecom. Engg.  
 P. O. E. Pandharpur



Shri Vithal Education & Research Institute's  
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Approved by A.I.C.T.E., New Delhi and Affiliated to P.A.H. Solapur University, Solapur)  
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**One Week Faculty Development Program  
on  
"NI Lab View"**

**(13<sup>th</sup> December, 2021 to 18<sup>th</sup> December, 2021)**

**Organized By  
Department of E&TC Engineering**

**REGISTRATION FORM**

1. Full Name of Participant: Dr. Mahesh. S. Mathpati
2. Designation: Asst. Prof.
3. Name of Institute/Organization: SVERI's COE, Pandharpur
4. Name of Department: E&TC
5. Mobile No. : 9503019997
6. E-mail ID: m.s.mathpati@coe.sveri.ac.in.

  
**Sign of Participant**

**Department of Electronics and Telecommunication Engineering**  
**One page report on One week FDP on NI Lab View Training**

To

Date: 19.12.2021

The principal

SVERI's COE Pandharpur

**Sub: About Training for faculty on NI Lab view from 13/12/21 to 18/12/2021.**

Respected sir,

With reference to the subject cited above and we have successfully conducted 6 days faculty development program on "NI Lab View" from 13/12/21 to 18/12/21 Organized by the Department of Electronics & Telecommunication Engineering, SVERI's College of Engineering, Pandharpur in association with Trident Techlabs. Technical expert name is Mr. Biswajit Banarjee.

Details of the training activity are performed as follows:

First day: Identification of all supplied Items. Software Installation on PC 1

Second day: Training on LabVIEW Basics, Presentation on ELVIS

Third day: Installation of LabVIEW 2015 in PC 2, Presentation on myRIO

Fourth Day: Connecting sensor to myRIO

Fifth and Sixth day: Presentation of FPGA board, Hands on session

All the faculty members and some students got the benefit of above training which will be helpful for the final year projects and research work in the area of Analog and digital circuits, Embedded System and VLSI Design.

Dr. M S Mathpati  
(PG Co ordinator)

Mrs.Dr. M M Pawar  
( HOD ENTC)  
**HEAD**

**Dept. of Electronics & Telecom. Eng.**  
**S. O. E. Pandharpur**



Shri Vithal Education & Research Institute's

## COLLEGE OF ENGINEERING, PANDHARPUR

B. No. 54, Gopalpur -Ranjanji Road, Gopalpur, Pandharpur- 413 304, District: Solapur (Maharashtra) Tel.: 02186-216063, 19503103757, Toll Free No.: 1800-3000-4131, E-mail: [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Web: [www.sveri.ac.in](http://www.sveri.ac.in) (Approved by A.I.C.T.E., New Delhi and Affiliated to P.A.H.Solapur University, Solapur NBA Accredited all eligible UG Programmes, NAAC Accredited Institute, Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune. ISO 9001-2015 Certified Institute.)



Ref:

Date:

### Department of Electronics & Telecommunication Engineering

To,  
Mr. Biswajit Banarjee,  
Technical expert,  
Trident Techlabs, Pune

Subject: Thanks Letter

Respected Sir,

This is to express our heartfelt gratitude towards you for accepting invitation as resource person for **One Week Faculty Development Program on "NI Lab View Training"** from **13/12/2021 to 18/12/2021**.

Your valuable guidance will always keep faculties and students inspiring and motivating. I request the same kind of cooperation in future also.

Thank you.

Yours Faithfully,

Dr. Mrs. M. M. Pawar,  
HOD E&TC

HEAD

Dept. of Electronics & Telecom. Engg.  
S. O. E. Pandharpur



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Ref:

Date:

To,

To,

**Mr. Biswajit Banarjee,**  
Technical expert,  
Trident Techlabs, Pune.

**Subject: Invitation as resource person for one week Faculty Development Program.**

Respected Sir,

Shri Vithal Education and Research Institute's (SVERI's) College of Engineering, Pandharpur was established in 1998, which is approved by AICTE, New Delhi. It has been affiliated to PAHSU, Solapur. This institute is ISO 9001:2015 certified and is accredited by NBA, New Delhi and NAAC.

The Department of Electronics & Telecommunication Engineering was established in the year 1998. The department has Qualified and Dedicated Faculty Members with the specialization with various areas. Department of E&TC has UG (Intake-120), PG (Intake-18) and Ph.D. programs. Department has 10 well equipped labs along with all the required facilities. E&TC department has been accredited by NBA and ISO. The department has excellent culture of result, research and industry institute interaction. Through MODROB department has set up the Centre of Excellence in Antenna design and testing as well as machine learning.

As the Industrial and Societal needs are changing continuously with the latest technologies, there is need to understand this fast-changing technologies in communication systems. So, our department has decided to organize **One Week Faculty Development Program** on "NI Lab View Training" from **13/12/2021 to 18/12/2021**. The purpose of this Faculty Development Program is to provide insight on the faculty members and some students got the benefit of above training which will be helpful for the final year projects and research work in the area of Analog and digital circuits, Embedded System and VLSI Design

Its pleasure and privilege to invite you as a resource person for the same and guide the participants with your expertise in Communication technology. So, I request you to kindly consider and give me consent for the same.

Yours Faithfully,

**Dr. Mrs. M. M. Pawar**  
**HOD E&TC**  
**HEAD**

**Dept. of Electronics & Telecom. Engg.**  
**P. O. E. Pandharpur**



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**One Week Faculty Development Program  
on  
"NI Lab View"**

**(13<sup>th</sup> December, 2021 to 18<sup>th</sup> December, 2021)**

**Organized By  
Department of E&TC Engineering**

**REGISTRATION FORM**

1. Full Name of Participant: CHAKALI VEERESH
2. Designation: Asst. Prof.
3. Name of Institute/Organization: SVERI CoE, Pandharpur.
4. Name of Department: Electrical Engineering.
5. Mobile No. : 9074847310
6. E-mail ID: vchakali@coe.sveri.ac.in

**Sign of Participant**



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**One Week Faculty Development Program  
on  
"NI Lab View"**

**(13<sup>th</sup> December, 2021 to 18<sup>th</sup> December, 2021)**

**Organized By  
Department of E&TC Engineering**

**REGISTRATION FORM**

1. Full Name of Participant: Prof. Vijay Ashok Sawant
2. Designation: Asst. Professor
3. Name of Institute/Organization: SVERI's College of  
Engineering Pandharpur
4. Name of Department: Electrical Engineering
5. Mobile No.: 7709322073
6. E-mail ID: [vasawant@coe.sveri.ac.in](mailto:vasawant@coe.sveri.ac.in)

  
**Sign of Participant**



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ISO 9001:2015



**One Week Faculty Development Program  
on  
"NI Lab View"**

**(13<sup>th</sup> December, 2021 to 18<sup>th</sup> December, 2021)**

**Organized By  
Department of E&TC Engineering**

**REGISTRATION FORM**

1. Full Name of Participant: Mr. Mahesh Shivaappa Yadramu
2. Designation: Assistant professor
3. Name of Institute/Organization: SVERI's College of Engineering, Pandharpur
4. Name of Department: Electrical Engineering
5. Mobile No. : 9535322500
6. E-mail ID: msyadramu@coe.sveri.ac.in

Sign of Participant



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**One Week Faculty Development Program  
on  
"NI Lab View"**

**(13<sup>th</sup> December, 2021 to 18<sup>th</sup> December, 2021)**

**Organized By  
Department of E&TC Engineering**

**REGISTRATION FORM**

1. Full Name of Participant: Mr. Amil M. Kasture
2. Designation: Assistant professor
3. Name of Institute/Organization: SVERI's COE, Pandharpur
4. Name of Department: E&TC
5. Mobile No. : 9764497497
6. E-mail ID: amikasture@coe.sveri.ac.in

  
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## CERTIFICATE OF PARTICIPATION

This is to Certify that Mr. H. K. Bhaldar has Participated in One Week Faculty Development Program on " NI Lab-View " From 13<sup>th</sup> Dec 2021 to 18<sup>th</sup> Dec 2021, Organized by Department of Electronics and Telecommunication Engineering, SVERI's College of Engineering, Pandharpur, Maharashtra in association with Trident TechLabs Pvt.Ltd., Pune.

(Mr. Biswajit Banerjee)  
Trident TECHLABS Pvt.Ltd.

(Dr. M .S. Mathpati)  
PG Coordinator

Dr. Mrs. M. M. Pawar  
HoD E&TC

(Dr. B. P. Rorige)  
PRINCIPAL



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## **CERTIFICATE OF PARTICIPATION**

This is to Certify that Mr. S. P. Swami has Participated in One Week Faculty Development Program on " NI Lab-View " From 13<sup>th</sup> Dec 2021 to 18<sup>th</sup> Dec 2021, Organized by Department of Electronics and Telecommunication Engineering, SVERI's College of Engineering, Pandharpur, Maharashtra in association with Trident TechLabs Pvt.Ltd., Pune.

(Mr. Biswajit Banerjee)  
Trident TECHLABS Pvt.Ltd.

(Dr. M .S. Mathpati)  
PG Coordinator

Dr. Mrs. M. M. Pawar  
HoD E&TC

(Dr. B. P. Ronge)  
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## **CERTIFICATE OF PARTICIPATION**

This is to Certify that Mr. R. U. Kale has Participated in One Week Faculty Development Program on " NI Lab-View " From 13<sup>th</sup> Dec 2021 to 18<sup>th</sup> Dec 2021, Organized by Department of Electronics and Telecommunication Engineering, SVERI's College of Engineering, Pandharpur, Maharashtra in association with Trident TechLabs Pvt.Ltd., Pune.

*Biswajit Banerjee*

(Mr. Biswajit Banerjee)  
Trident TECHLABS Pvt.Ltd.

*M.S. Mathpati*

(Dr. M .S. Mathpati)  
PG Coordinator

*M.M. Pawar*

Dr. Mrs. M. M. Pawar  
HoD E&TC

*B. P. Ronge*

(Dr. B. P. Ronge)  
PRINCIPAL



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## **CERTIFICATE OF PARTICIPATION**

This is to Certify that Mr. P. S. Valte has Participated in One Week Faculty Development Program on " NI Lab-View " From 13<sup>th</sup> Dec 2021 to 18<sup>th</sup> Dec 2021, Organized by Department of Electronics and Telecommunication Engineering, SVERI's College of Engineering, Pandharpur, Maharashtra in association with Trident TechLabs Pvt.Ltd., Pune.

(Mr. Biswajit Banerjee)  
Trident TECHLABS Pvt.Ltd.

(Dr. M . S. Mathpati)  
PG Coordinator

Dr. Mrs. M. M. Pawar  
HoD E&TC

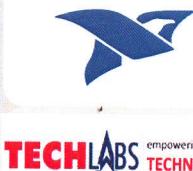
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## CERTIFICATE OF PARTICIPATION

This is to Certify that Ms. S. S. Yadav has Participated in One Week Faculty Development Program on " NI Lab-View " From 13<sup>th</sup> Dec 2021 to 18<sup>th</sup> Dec 2021, Organized by Department of Electronics and Telecommunication Engineering, SVERI's College of Engineering, Pandharpur, Maharashtra in association with Trident TechLabs Pvt.Ltd., Pune.

(Mr. Biswajit Banerjee)  
Trident TECHLABS Pvt.Ltd.

(Dr. M . S. Mathpati)  
PG Coordinator

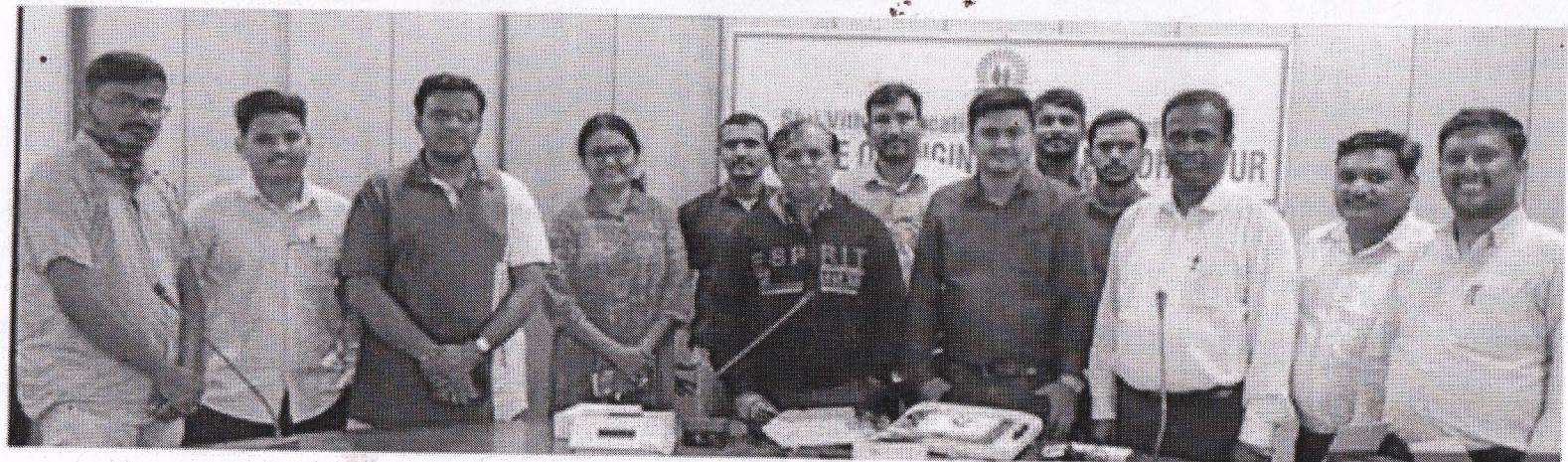
Dr. Mrs. M. M. Pawar  
HoD E&TC

(Dr. B. P. Ronge)  
PRINCIPAL

# स्वेरी मध्ये फॅकल्टी डेव्हलपमेंट प्रोग्राम संपन्न

पंढरपूर : गोपाळपूर  
 ता.पंढरपूर) येथील श्री. विडुल  
 ज्युकेशन अँड रिसर्च इन्स्टिट्यूट  
 चलित कॉलेज ऑफ  
 जिनिअरिंग मधील इलेक्ट्रॉनिक्स  
 डि टेलिकम्युनिकेशन  
 जिनिअरिंग मधील  
 प्राथ्यापकांसाठी 'एन.आय. लॅब  
 विव्ह' या विषयावर एक  
 आठवडाभार फॅकल्टी डेव्हलपमेंट  
 प्रोग्राम आयोजित करण्यात आला  
 इता.

फॅकल्टी डेव्हलपमेंट प्रोग्रामच्या  
 हिल्या दिवशी इलेक्ट्रॉनिक्स अँड  
 लिकम्युनिकेशन इंजिनिअरिंगच्या  
 भागप्रमुख डॉ.मिनाक्षी पवार यांनी



प्रास्तविकात फॅकल्टी डेव्हलपमेंट प्रोग्राम आयोजित करण्यामागचा हेतू सांगितला तसेच डॉ. महेश मठपती यांनी पाहुण्यांचा परिचय करून दिला. ट्रेडंट टेकलॅब्ज कंपनीचे टेक्निकल एक्स्पर्ट विस्वजीत

वॅनर्जी यांनी 'एन.आय. लॅब बदल विशेष मार्गदर्शन केले. तसेच संगणकावर सॉफ्टवेअर स्थापित करण्याबाबत माहिती दिली. 'एन.आय.लॅब विव्ह'चे प्रशिक्षण देऊन एलव्हीस, मायरिओची

प्रात्यक्षिके वेगवेगळ्या सैन्सरचा वापर करून दाखवली. स्वेरीचे संस्थापक सचिव तसेच कॉलेज ऑफ इंजिनिअरिंगचे प्राचार्य डॉ. वी.पी.रोगे यांच्या मार्गदर्शनाखाली हा एक आठवड्याचा फॅकल्टी

डेव्हलपमेंट प्रोग्राम उत्तम प्रकारे आयोजित करण्यात आला होता. या कार्यक्रमाचे समन्वयक म्हणून प्रा.श्रीशेल स्वामी आणि प्रा.अमोल कदम यांनी काम पहिले. यावेळी

सहभागी प्राथ्यापकांना प्रमाणपत्रे देण्यात आली. सूत्रसंचालन डॉ.महे मठपती यांनी केले तर डॉ. व्ही.जी.काळे यांनी उपस्थितांचे आभार मानले.

One Week Faculty Development  
Program on  
**“5G for Advanced communication  
Systems”**

**SVERI's College of Engineering, Pandharpur**



# **REPORT**

**One Week Faculty Development Program  
On  
"5G for Advanced Communication Systems"**

**(Dates: 31/01/2022 to 06/02/2022)**

**Organized by**

**Department of E&TC Engineering  
AY: 2021-22**



ISO 9001:2015



## Report of FDP

**Title of FDP: "5G for Advanced Communication Systems"**

**Date: 31<sup>st</sup> January, 2022 to 6<sup>th</sup> February, 2022**

**Venue: TPO Seminar Hall & NKN Center, SVERI's COE, Pandharpur**

**Organizing Department: Electronics and Telecommunication Engineering**

**Mode of Conduction: Hybrid**

### **Brief Details about the Programme:**

The department of Electronics and Telecommunication Engineering, SVERI's College of Engineering, Pandharpur had organized an one week Faculty Development Program on **"5G for Advanced Communication Systems"** from **31<sup>st</sup> January, 2022 to 6<sup>th</sup> February, 2022**. The aim of this one week online Faculty Development Program is to provide insight on research opportunities in advanced communication systems for researchers and designers from academicians and industry.

The FDP was inaugurated by the resource person **Dr. Sandip Dhavane (R&D Manager, Qualcomm, Hyderabad)**. Mr. A. A. Mote (Dean, Training & Alumni Affairs) was given brief introduction about resource person. Dr. Mrs. M. M. Pawar (HoD, E&TC Department) was given brief introduction about this FDP.

*During this one week FDP, the expert person talked on Advances and Research opportunities in the field of Introduction to 4G/5G and LTE, Physical Layer in 4G/5G, Signal Processing at Physical Layer, MAC and Higher Layers in 5G.* For this FDP, more than 70 faculties were actively participated.

*Swami*  
**Mr. S. P. Swami**  
**FDP Coordinator**

*M. M. Pawar*  
**Prof. Dr. M. M. Pawar**  
**HOD E&TC Department**  
**HEAD**  
**Dept. of Electronics & Telecom. Engg.**  
**S. O. E. Pandharpur**

## ➤ Brochure of FDP:

**Key Points of FDP**



- Introduction of 4G Technology
- Overview of 5G std. and India's Journey
- Introduction to Long Term Evolutions (LTE)
- MIMO-OFDM, Evolved Packet Layer (EPC) in 5G
- Coding techniques for 5G
- IP Networks and Multimedia
- Security in 5G/IoT Networks

**About Registration**

**Duration of FDP:** 31<sup>st</sup> January to 06<sup>th</sup> February, 2022  
**Last date to Register:** 30<sup>th</sup> January, 2022, 8:00 PM  
 (No Registration Fee)

**Online Registration link:**  
<https://forms.gle/k3AyjG94gRRTcxtw8>

Certificate will be issued to each participant who attends all the sessions completely.

**Mode of Conduction - Hybrid**

**One Week FDP on  
"5G FOR ADVANCED  
COMMUNICATION SYSTEMS"**

**31<sup>st</sup> January to 06<sup>th</sup> February, 2022**



**Organized by,**  
**Department of E&TC Engineering**



**Shri Vithal Education & Research Institute's  
College of Engineering, Pandharpur**  
 Approved by AICTE, New Delhi, NBA Accredited all Eligible UG Programmes, Accredited by NAAC, The Institution of Engineers (India) Kolkata, & TCS Pune, An ISO 9001:2015 Certified Institute. Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur.  
 P.B. No. 54, Gopalpur - Ranjani Road, Gopalpur, Pandharpur - 413304, Dist-Solapur, (Maharashtra) - India

**About the Institute**

Pandharpur is well known holy place for Lord Shri Vithal temple. It is recognized as Spiritual capital of Maharashtra and popularly known as 'South Kashli' of India. Shri Vithal Education & Research Institute (SVERI) is charitable trust formed by technocrats and established its first project as College of Engineering, Pandharpur in 1998. Approved by AICTE, New Delhi, NBA Accredited all Eligible UG Programmes, Accredited by NAAC, The Institution of Engineers (India) Kolkata, & TCS Pune, An ISO 9001:2015 Certified Institute. Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur.

**About the Department**

The Department of Electronics & Telecommunication engineering was established in the year 1998. The department has Qualified and Dedicated Faculty Members with the specialization with various areas. Department of E&TC have UG (Intake-120), PG (Intake-18) and Ph.D. programs. Department has 10 well equipped labs along with all the required facilities. E&TC department has been accredited by NBA and ISO. The department has excellent culture of result, research and industry institute interaction. Through MODROB department has set up the Centre of Excellence in Antenna design and testing as well as machine learning.

**FDP Overview**

The 5G wireless communications will enable countless automated wireless applications for the rapidly growing Internet of Things (IoT), Wireless Sensor Networks (WSN), Cyber Physical System (CPS). This one-week FDP is aimed at providing the participants with a glimpse of the contemporary and advanced developments in the fields of Communication Systems.

**RESOURCE PERSON**

**Dr. Sandip Dhavane**  
 R& D Manager, Qualcomm, Hyderabad

**CHIEF PATRON**

**Dr. B. P. Ronge**  
 Principal, SVERI's COE, Pandharpur

**ADVISORY BOARD**

**Prof. S. B. Ronge**  
 Trustee Member, SVERI's COE, Pandharpur

**Dr. P. M. Pawar (Dean Academics)**  
**Prof. M. M. Pawar (Campus In charge)**

**CONVENOR**

**Dr. Mrs. M. M. Pawar**  
 Professor and Head,  
 Department of E&TC Engineering

**CO-CONVENOR**

**Prof. A. A. Mote (Dean, Training & Alumni Affairs)**  
**Prof. V. R. Chavhan (Dean, Placement & Corporate Affairs)**

**COORDINATORS**

**Prof. S. P. Swami (8149272261, spswami@coe.sveri.ac.in)**  
**Prof. M. A. Deshmukh (9970277150, madeshmukh@coe.sveri.ac.in)**

*Mr. S.P. Swami*

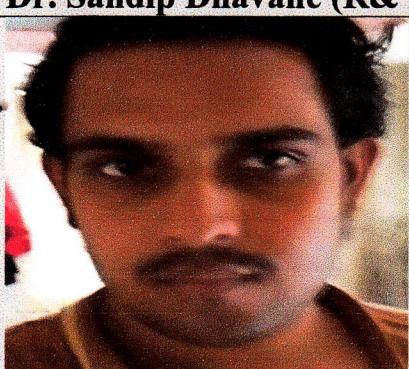
*S. P. Swami*

**HEAD**  
**Dept. of Electronics & Telecom. Engg.**  
**S. O. E. Pandharpur**

➤ **Schedule of FDP:**

Sr. No.	Day & Date	Time	Session
1.	Monday 31/01/2022	10: 00 am to 01:00 pm	Inaugural Function Introduction to 4G/5G and LTE
		02: 00 am to 04:00 pm	Case Study-Network Orientation Program @NKN, Center
2.	Wednesday 02/02/2022	10: 00 am to 01:00 pm	Introduction to Physical Layer in 4G/5G
		02: 00 am to 04:00 pm	Case Study-Network Orientation Program @NKN, Center
3.	Thursday 03/02/2022	10: 00 am to 01:00 pm	Signal Processing at Physical Layer in 4G/5G
		02: 00 am to 04:00 pm	Case Study-Network Orientation Program @NKN, Center
4.	Friday 04/02/2022	10: 00 am to 01:00 pm	MIMO Antennas in 5G
		02: 00 am to 04:00 pm	Case Study-Network Orientation Program @NKN, Center
5.	Saturday 05/02/2022	10: 00 am to 01:00 pm	SVD in 5G
		02: 00 am to 04:00 pm	Case Study-Network Orientation Program @NKN, Center
6.	Sunday 06/02/2022	10: 00 am to 01:00 pm	Introduction to MAC Layers & Evolved Packet Layer in 4G/5G
		02: 00 am to 04:00 pm	Valedictory and Feedback Session

➤ **Resource Person of FDP:**

<b>Dr. Sandip Dhavane (R&amp; D Manager, Qualcomm, Hyderabad)</b>	
	<p><b>Qualification:</b></p> <ul style="list-style-type: none"> <li>• PHD 2020- Indian Institute of Technology, Hyderabad</li> <li>• M. Tech (Electrical, Electronics and Communications Engineering) 2014-SGGSIET, Nanded.</li> <li>• BE(E&amp;TC) 2011-Konkan Gyanpeeth college of Engineering</li> </ul> <p><b>Experience:</b></p> <ul style="list-style-type: none"> <li>• <b>R&amp;D Manager, Qualcomm, Hyderabad</b> <b>Jul 2020 - Present (1 year 8 months +)</b></li> </ul>

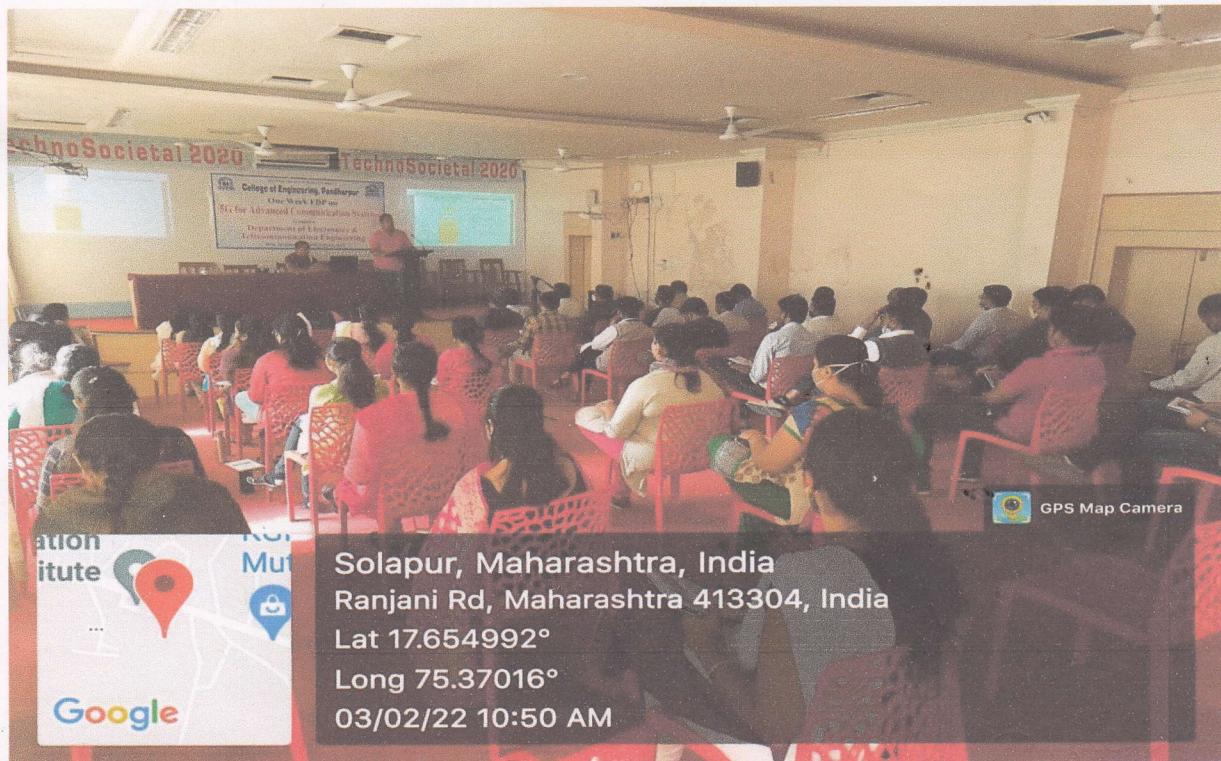


**HEAD**

Dept. of Electronics & Telecom. Engr.  
C. O. E. Pandharour

  
Mr. S. P. Swami

➤ Glimpses of FDP Sessions:



*S. P. Swami*  
Mr. S. P. Swami

*Swami*  
HEAD  
Dept. of Electronics & Telecom. Engg.  
C. O. E. Pandharpur

➤ Case Study: Network Orientation Program @NKN Center:



*Mr. S.P. Swami*  
Mr. S.P. Swami

*Dinesh*  
HEAD  
Dept. of Electronics & Telecom. Engg.  
S. O. E. Pandharour

➤ Glimpses of Valedictory Function:



*S. P. Swami*  
Mr. S. P. Swami

*HEAD*  
Dept. of Electronics & Telecom. Engg.  
S. V. R. Pandharpur

## ➤ Sample copy of Certificate:



## ➤ Outcomes of FDP:

- PO1: Engineering Knowledge:** Faculties/ Participants got knowledge about recent technology in communication 4G & 5G.
- PO2 & PO3: Design/Development of Solutions:** By doing Research in 5G, Faculties/ Participants will design/develop solution of complex engineering problems for advanced communication systems.
- PO6: Engineers and Society:** Faculties/ Participants will design/develop different applications of advanced communication systems used for society.
- PO10: Communication:** Faculties/ Participants will design/develop solutions for advanced communication systems in the entire world.

Mr. S. P. Swami  
FDP Coordinator

Prof. Dr. M. M. Pawar  
HOD E&TC Department

**HEAD**  
**Dept. of Electronics & Telecom. Engg.**  
**C. O. E. Pandharpur**

One Week Virtual Faculty  
Development Program on  
**"Numerical Simulation and Analysis  
with  
COMSOL Multi physics"**

# One-Page Report of STTP

***Title of STTP-:"Emerging Trends in Thermal Engineering (ETiTE-2021)"***

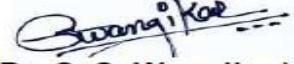
Brief about the Programme:

Department of Mechanical Engineering and SVERI's College of Engineering, Pandharpur Organized a One Week online STTP on " Emerging Trends in Thermal Engineering (ETiTE-2021) " sponsored by *ASHRAE, Pune Chapter* from 14 to 19 June 2021 at SVERI's College of Engineering, Pandharpur. For this STTP total number of participants registered was 97 from different states of our country.

The STTP was inaugurated by Dr. A. B. Kanse-Patil from STES Sinhgad College of Engineering, Pune. The inaugural function was graced in the presence of Dr. Suhas Deshmukh ( Govt. COE Karad), Prof. S. R. Gavali (Dean Adminstration), Dr. R. R. Gidde (Dean R&D), Dr. S. S. Wangikar (Head, Mech. Engg. Dept.). Mr. M. B. Kulkarni (Assist. Prof. in Mech. Engg. Dept) introduced about the keynote speaker Dr. Dr. A. B. Kanse-Patil. Dr. S. S. Wangikar has given the overview of mechanical engineering department. Dr. P. A. Dhawale ( STTP Coordinator) has given the overview of Short Term Training Programme. Mr. M. B. Kulkarni (Assist. Prof. in Mech. Engg. Dept) expressed the vote of thanks of inaugural function.

Resource person Dr. A. B. Kanse-Patil from STES Sinhgad College of Engineering, Pune discussed about research opportunities in Thermal engineering. He explained about different areas, trends and challenges in the field of thermal as well as non conventional energy sources. Eminent resource persons like Dr. Rahul Dev Misra, National Institute of Technology (NIT), Silchar and also from different renowned college and universities share their knowledge through daily sessions. This STTP is carried out virtually with daily two sessions with two hour each.

In the valedictory function participants expressed their experiences regarding the different sessions & also about the overall workshop. Certificates were distributed to the participants those fulfill the criteria of attendance and score in MCQ based quiz. Mr. M. B. Kulkarni proposed the vote of thanks & the programme was concluded with permission of guest Dr. A. B. Ubale ( ZEAL COER, Pune).



(Dr. S. S. Wangikar)



Shri Vithal Education & Research Institute's  
**College of Engineering, Pandharpur**  
**Department of Mechanical Engineering**

Welcome you for

**One Week Online STTP  
On**

**“Emerging Trends in Thermal Engineering”**

**Duration: 14<sup>th</sup> to 19<sup>th</sup> June, 2021.**

**Resource Persons**

1. Dr. Rahul Dev Misra  
*Professor, National Institute of Technology (NIT), Silchar.*
2. Prof. K. K. Ghosh  
*Associate Professor, College of Military Engineering, Pune.*
3. Dr. Suhas Deshmukh  
*Associate Professor, Government College of Engineering, Karad.*
4. Dr. A. B. Kanase-Patil  
*Associate Professor, STES Sinhgad College of Engineering, Pune.*
5. Dr. Sukumar Pati  
*Mech. Engg. Dept. National Institute of Technology (NIT), Silchar.*
6. Dr. B. P. Pattanaik  
*Principal, KMBB College of Engineering and Technology, Bhubaneswar, Odisha.*
7. Dr. Kamalesh A. Sorate  
*Mech. Engg. Department, SVNIT, Surat, Gujarat.*
8. Dr. S. D. Patil  
*Associate Professor, Rajarambapu Institute of Technology, Islampur.*
9. Dr. Amol B. Ubale  
*Associate Professor, Zeal College of Engineering & Research, Pune.*
10. Prof. Shrikant G. Pawar  
*Rt. Professor, V.J.T. Institute, Mumbai and Consultant.*
11. Prof. N. T. Dhokane  
*Mech. Engg. Department, MIT World Peace University, Pune.*

**About Registration**

**Duration of STTP: 14<sup>th</sup>- 19<sup>th</sup> June, 2021**  
**Last Date to Register: 12<sup>th</sup> June, 2021, 8:00 pm**  
**(No Registration Fee)**  
**Registration link: <https://forms.gle/h7CkPsL4x69Um5LfA>**

**Mode of Conduction: Online Google-Meet Platform**

**One Week Online STTP on  
“Emerging Trends in Thermal Engineering”**

**14<sup>th</sup> - 19<sup>th</sup> June, 2021**



**Sponsored by**



**Organized by**  
**Department of Mechanical Engineering**



**SVERI's College of Engineering,  
Pandharpur**

Approved by AICTE, New Delhi; NBA Accredited for all eligible UG Programs;  
Accredited by NAAC;IEI, Kolkata& TCS, Pune. Also Certified by ISO 9001:2015.  
Affiliated to P. A. H. Solapur University, Solapur.

P.B. No. 54, Gopalpur-Ranjani Road, Gopalpur, Pandharpur-413304,  
Dist.-Solapur, (Maharashtra) - India

**(Dr. S. S. Wangikar)**

## *About the Institute*

Pandharpur is well known holy place for Lord Shri Vitthal temple. It is recognized as Spiritual capital of Maharashtra and popularly known as 'South Kashi' of India. Shri Vitthal Education & Research Institute (SVERI) is charitable trust formed by technocrats and established its first project as College of Engineering, Pandharpur in 1998, Approved by AICTE, New Delhi, all eligible UG Programs are NBA Accredited, Accredited by NAAC, The Institution of Engineers (India) Kolkata, & TCS Pune, ISO 9001:2015 Certified Institute, Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur.

## About the Department

The Department of Mechanical Engineering was established in 1998. The Department offers UG (Intake-120), PG (Intake-18), and Ph.D. Programmes. The UG program has been accredited by NBA three times. Currently, NBA accreditation is extended up to June 2023. The Department has well qualified & dedicated faculty members. Mechanical Engineering Department is known for its high academic standard, well-maintained discipline & excellent infrastructure facilities along with the state-of-the-art laboratories like advanced I C Engine, Heat & Mass Transfer etc & CFD Software. In addition to this, there are research laboratories like Advanced Manufacturing Laboratory, Composite Laboratory, Vibration Laboratory, and Industry Connected Machining Centers along with CAD/CAM/CAE Software.

## About STTP

The purpose of this STTP is to provide insight on advancement and research opportunities in various field of thermal engineering. The eminent personalities of thermal fields will accumulate at one platform to discuss the various aspects during this program. Participants will receive a great aid to learn emerging technologies and thrust areas in thermal engineering through this STTP.

## CHIEF PATRON

Prof. Dr. B. P. Ronge  
Founder Secretary, SVERI &  
Principal, SVERI's College of Engineering, Pandharpur

## ADVISORY BOARD

**Prof. Suraj B. Ronge** (Trustee Member)  
**Prof. M. M. Pawar** (Campus In-Charge)  
**Dr. P. M. Pawar** (Dean, Academics)  
**Prof. S. R. Gavali** (Dean, Administration)  
**Dr. R. R. Gidde** (Dean, R & D)  
**Prof. K. B. Patil** (Dean, Students')  
**Prof. A. A. Mote** (Dean, P&CA)  
**Prof. A. A. Jadhav** (Dean, T&AA)  
**Dr. D. S. Chaudhari** (Dean, APP)

## CONVENOR

Dr. S. S. Wangikar  
Associate Professor and Head,  
Department of Mechanical Engineering

## COORDINATORS

**Dr. P. A. Dhawale** (8412053701, [padhavale@coe.sveri.ac.in](mailto:padhavale@coe.sveri.ac.in))  
**Prof. D. D. Ronge** (9890695957, [ddronge@coe.sveri.ac.in](mailto:ddronge@coe.sveri.ac.in))  
**Prof. S. M. Kale** (9960118580, [smkale@coe.sveri.ac.in](mailto:smkale@coe.sveri.ac.in))

#### ORGANIZING COMMITTEE

Prof. S. S. Jadhav Prof. D.T. Kashid  
Prof. V. R. Chavhan Prof. K. S. Pukale



### One Week Online STTP

On

## “Emerging Trends in Thermal Engineering”

### Organized by

Department of Mechanical Engineering

RI's College of Engineering, Pandharpur

### **Schedule of One Week Online STTP**

Sr. No.	Day & Date	Session Time	Resource Person	Name of the Topic
1	Mon, 14/06/21	10:00 -10:30	Inauguration	Inaugural Speech by Guest
		10:30 - 12:00	Dr. A. B. Kanse-Patil	Research opportunities in Thermal Engineering
		01:00 - 03:00	Dr. Suhas Deshmukh	MATLAB applications in Thermal Engineering
2	Tue, 15/06/21	10:00 - 12:00	Dr. K. A. Sorate	Biodiesel : Challenges & Opportunities
		01:00 - 03:00	Prof. N.T. Dhokane	I.C.Engies & Applicability of Electrical Vehicles
3	Wed, 16/06/21	10:00 - 12:00	Prof. K K Ghosh	Emerging Trends in HVAC
		01:00 - 03:00	Prof. Shrikant Pawar	Heat Transfer in I.C. Engine
4	Thu, 17/06/21	10:00 - 12:00	Dr. Rahul Dev Misra	Boiling Heat Transfer -- Importance and Present Trends of Research
		01:00 - 03:00	Dr. Suhas Deshmukh	CFD Ansys Fluent Applications
5	Fri, 18/06/21	10:00 - 12:00	Dr. Sukumar Pati	Microscale Transport Phenomena
		01:00 - 03:00	Dr. S. D. Patil	Research opportunities in metal hybrid based system for hydrogen storage
6	Sat, 19/06/21	10:00 - 12:00	Dr. B. P. Pattanaik	Bio Energy for sustainable environment
		01:00 - 02:30	Dr. A. B. Ubale	Heat Pipe Heat exchange
		02:30 - 03:00	Valedictory	Feedback from participants & Valedictory Speech

**Dr. P. A. Dhawale**  
Coordinator

**Prof. D. D. Ronge**  
Coordinator

**Prof. S. M. Kale**  
Coordinator

**Dr. S. S. Wangikar**  
Convenor

*Swangikar*  
(Dr. S. S. Wangikar)

# स्वेच्छामध्ये मेकेनिकल इंजिनिअरिंग विभाग व एंश्रे चॉप्टर, पुणे यांच्या संयुक्त विद्यमाने कार्यशाळेचे आयोजन



पंढरपूर/प्रतिनिधी :

क. रो. ना. महामारीमधील लॉकडाउनच्या कालावधीमध्ये स्वेच्छाज कॉलेज ऑफ इंजिनिअरिंग, पंढरपूर मधील मेकेनिकल इंजिनिअरिंग विभाग व अमेरिकन सोसायटी फोर रोप्रिंजरेशन अऱ्ड अंड कंडिशनिंग, पुणे विभाग यांच्या संयुक्त विद्यमाने दि १४ जून ते १९ जून २०२१ दरम्यान एमर्जिंग ट्रेनिंग इन थर्मल इंजिनिअरिंग या विषयावर आठवडाभर मोफत्त अॅनलाईन 'शॉट टर्म ट्रेनिंग प्रोग्राम' चे आयोजन केले असल्याची माहिती स्वेच्छाचे संस्थापक सचिव व अभियांत्रिकी महाविद्यालयाचे प्राचार्य डॉ. वी. पी. रोगे दिली. जगभरातील तंत्रज्ञानाच्या बदलत्या

प्रवाहानुसार आपल्या महाविद्यालयातील प्राचार्यापक वर्ग देखील अद्यायावत असणे अत्यंत गरजेचे असते. येत्या दशकमध्ये थर्मल इंजिनिअरिंग क्षेत्रातील प्रगतीसाठी व त्यामधील संशोधन व उपलब्ध संधी सर्वापर्यंत पोहोचवण्याच्या दृष्टिकोनातून ही कार्यशाळा घेण्यात येणार आहे. सदर कार्यशाळेच्या माध्यमातून डॉ. राहुल देव मिश्रा, प्रा. केकेघोष, डॉ. ए. वी.कण्से-पाटील, डॉ. सुकुमार पती, डॉ.वी.पी. पल्लाईक, डॉ. के. ए. सोरेटे, डॉ. एस. डी. पाटील, डॉ. ए. वी. उबाळे, प्रा. एस. जी. पवार व प्रा. एन. टी. ढोकगे या तज्ज्ञांचे बहुमोल मार्गदर्शन लाभणार आहे. या कार्यशाळेमध्ये देशभरातून विविध राज्यातील

विविध अभियांत्रिकी महाविद्यालयातील प्राचार्यापक व औद्योगिक क्षेत्रातील मान्यवर व्यक्ती सहभागी होणार आहेत.

सदर कार्यशाळा ही दररोज चार तास असून गुगल मीट प्लॉर अॅनलाईन स्वरूपात घेण्यात येणार आहे. स्वेच्छाचे संस्थापक सचिव व अभियांत्रिकी महाविद्यालयाचे प्राचार्य डॉ. वी. पी. रोगे यांच्या मार्गदर्शनाखाली अॅनलाईन कार्यशाळा यशस्वी कल्प्यासाठी कार्यशाळेचे निर्मत्रक व मेकेनिकल इंजिनिअरिंग चे विभागप्रमुख डॉ. संदीप वांगीकर यांच्या नेतृत्वाखाली डॉ. प्रवीण डगळे, ऐंजी पुणे चॅटरचे महाविद्यालयीन प्रमुख प्रा. दिव्यिजय रोगे, प्रा. सचिन काळे, प्रा. दिव्यांग कशीद, प्रा. विक्रम चव्हाण, प्रा. कुलदीप पुकाळे, प्रा. शशिकांत जाधव व प्रा. मिलिंद कुलकर्णी आदी कार्यशाळेचे समन्वयक म्हणून काम पाहत आहेत. तांत्रिक व्यवस्थापन श्री. बालाजी सुरवर्से, दत्तात्रेय गायकवाड हे पाहणार आहेत तसेच मेकेनिकल इंजिनिअरिंग विभागातील सर्व शिक्षक व शिक्षकेतर कर्मचारी देखील या उपक्रमासाठी परिश्रम घेत आहेत.



## One Week Online STTP on “Emerging Trends in Thermal Engineering”

14<sup>th</sup> June to 19<sup>th</sup> June, 2021

Organized by  
Department of Mechanical Engineering,  
SVERI's COLLEGE OF ENGINEERING, PANDHARPUR

Sponsored by



(Dr. S. S. Wangikar)



**Engineering Problem Solving**

**Flowchart of the Engineering Problem-Solving Process:**

```

    graph TD
      PD([Problem definition]) --> MM([Mathematical model])
      MM --> NR([Numeric or graphic results])
      NR --> SI([Societal interfaces: scheduling, optimization, communication, public interaction, etc.])
      SI --> I([Implementation])
      THEORY --> MM
      DATA --> MM
      THEORY --> NR
      SI --> I
  
```

**Participants:**

- Suhas Deshmukh (Presenting)
- Rahul Patil
- Professor Digvi...
- Dr. Pravin Dhaw...
- misbahuddin md
- Vaishali Sahu
- Narsimha sagar
- 31 others
- You

3:33 PM | vrs-xknw-fof

Day 1 : Session : Dr. Suhas Deshmukh, 14/06/2021

  
 (Dr. S. S. Wangikar)

REC Suhas Deshmukh is presenting Press Esc to exit full screen

## Heat Equation

• Finite-difference

Forward-difference

$$T_t = \frac{1}{\Delta t} (T_i^{t+1} - T_i^t)$$

Central-difference at time level j

$$kT_{xx} = \frac{k}{\Delta x^2} (T_{i+1}^t - 2T_i^t + T_{i-1}^t)$$

IN CALL

- Dr. Pravin Dhawale (You)
- Amitkumar Shinde
- Amol Rabade
- Ashwini arjun
- DAMODARA REDDY
- DEEPAK TIWARI
- Kiran Bhole
- Mr. Sachin Khomane

Activate Windows Go to Settings to activate Windows

SARAN KUMAR S R has left the meeting

Suhas Deshmukh Professor Digvijay Sushant Navale DEEPAK TIWARI 17 others You

vrs-xknw-fof

23

Shri Vithal Education & Research Institute's  
**College of Engineering, Pandharpur**  
 Department of Mechanical Engineering

One Week Online STTP

on

“Emerging Trends in Thermal Engineering”

14<sup>th</sup> June to 19<sup>th</sup> June, 2021

Resource Person

DAY 4: e-Session-1

Dr. Rahul Dev Misra  
 Professor and Dean, Students' Welfare  
 National Institute of Technology,  
 Silchar, Assam

Date:- 17<sup>th</sup> June, 2021 Time:- 10:00 am to 12:00 noon

Shri Vithal Education & Research Institute's  
**College of Engineering, Pandharpur**  
 Department of Mechanical Engineering

One Week Online STTP

on

“Emerging Trends in Thermal Engineering”

14<sup>th</sup> June to 19<sup>th</sup> June, 2021

Resource Person

DAY 6: e-Session-1

Dr. B. P. PATTANAIK  
 Principal & Professor,  
 KMBB College of Engineering and  
 Technology,  
 Bhubaneswar, Odisha

Date:- 19<sup>th</sup> June, 2021 Time:- 10:00 am to 12:00 noon

(Dr. S. S. Wangikar)

You are signed in as coe@me63 | Today session Link - padhavale@... | Meet - vrs-xknw-fof

REC Dr. SUKUMAR PATI is presenting

### Maxwell First Order Slip Model : A Simple Derivation

$\sigma = \frac{t_i - t_r}{t_i - t_w}$   $t_i$ : tangential momentum  
 $t_r$ : reflected momentum  
 $t_w$ : wall momentum  
 $\sigma$ : accommodation coefficient  
 $U_g = \frac{1}{2}U_i + \frac{1}{2}\left[\frac{(1-\sigma)U_i + \sigma U_w}{\text{from top layer}}\right] + \frac{1}{2}\left[\frac{(1-\sigma)U_i + \sigma U_w}{\text{from bottom layer}}\right]$   
 $\sigma(U_i - U_w) = 2\lambda \frac{dU}{dn_w}$  Add term in presence of temp grad  
 $U_g = U_w + \frac{2-\sigma}{\sigma} \lambda \frac{dU}{dn_w} + \frac{3}{4} \frac{dT}{dx}$   
 $\sigma = 1 \Rightarrow \text{diffuse reflection}$   
 $\sigma = 0 \Rightarrow \text{specular reflection}$   
 $\text{Eliminating } U_i, \text{ it follows:}$

National Institute of Technology Silchar, India - 788010

Dr. SUKUMAR P...  
Dr. Digambar T. Ka...  
Dr. Sandeep Wa...  
Professor Digvij...  
Sachin Sonawane  
Avinash Vasekar  
Rameshwar Sol...  
40 others  
You

10:30 AM | vrs-xknw-fof

Type here to search

10:30 AM 18-06-2021

You are signed in as coe@men03 | Inbox (429) - padhavale@coe.sv... | Meet - vrs-xknw-fof

REC Principal KMBB BBSR is presenting

### One Week Online STTP on Emerging Trends in Thermal Engineering (14th – 19th June 2021)

Organized by Department of Mechanical Engineering SVERI's College of Engineering, Pandharpur, Maharashtra

### BIO-ENERGY FOR ENVIRONMENTAL SUSTAINABILITY

Presented by Dr. Bhabani Prasanna Pattanaik  
Principal & Professor in Mech. Engg.  
KMBB College of Engineering & Technology, Bhubaneswar (An affiliated college of BPUT Odisha)

Principal KMBB BBSR  
Mahesh Rathod  
P  
24 others  
You

People

Mute all Add people Host controls

IN CALL

Dr. Pravin Dhawale (You)  
Amitkumar Shinde  
Amol Rabade  
Anil Kumar Rao  
Avinash Parkhe  
DAMODARA REDDY

Activate Windows  
Go to Settings > Activation > Windows Activation

10:08 AM | vrs-xknw-fof

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10:08 AM 19-06-2021

(Dr. S. S. Wangikar)

## About this call

10:44

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## About this call

## People

## Info

## IN CALL

Dr. Pravin Dhawale (You)

akshay karande

Amitkumar Shinde

Amol Rabade

Anil Kumar Rao

Anna Mali

Avinash Parkhe

Avinash Vasekar

Bappa Mondal

DAMODARA REDDY

Digambar T. Kashid

DINESH SALUNKE

Dr. Pravin Dhawale

Dr. Pravin Dhawale

Dr. Pravin Dhawale

Dr. SUKUMAR PATI

Dr. SUKUMAR PATI (Pr...

Dr.Sandeep Wangikar

Kapil Jundale

Kuldip Pukale

Limesh Patle

mahesh kamble

Mahesh Rathod

Milind Kulkarni

misbahuddin md

## People

## Info

Dr. Pravin Dhawale (You)

Amol Rabade

Anil Kumar Rao

Anna Mali

Ashwini arjun

Avinash Parkhe

DAMODARA REDDY

Digambar T. Kashid

Dr. Amol Ubale (Prese...

Dr. Amol Ubale

Dr. Pravin Dhawale

Dr. Pravin Dhawale

Dr. Rajendra Todkar

Ganesh Dhumal

Imran Patel

Limesh Patle

Mahender Thotakuri

mahesh kamble

Mahesh Rathod

misbahuddin md

Mr. Chetan Jadhav

Mr. Sachin Khomane

Mr. Shrikrushna Bhos...

Mr.Sachin Gavali

Namdeo Rashinkar

Narsimha sagar

Pradeep Gaikwad

Pradnya Bhuse

PRASHANT BHOSALE

Prateek Malwe

Pravin Pawar

Prof. Bhaskar Gaikwad

Prof. Ganesh Gaikwad



Shri Vithal Education & Research Institute's

## College of Engineering, Pandharpur

### Department of Mechanical Engineering

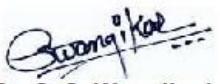
#### *Certificate of Participation*

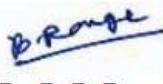
One Week Online STTP on  
“Emerging Trends in Thermal Engineering”

*This is to certify that*

Dr. Venkatesh M. Kulkarni of Visvesvaraya Technological University Belagavi has attended One Week Online STTP on “Emerging Trends in Thermal Engineering” from 14<sup>th</sup> to 19<sup>th</sup> June, 2021 Sponsored by ASHRAE Pune Chapter, Organized by Department of Mechanical Engineering, SVERI's College of Engineering, Pandharpur, Maharashtra.

  
(Dr. P. A. Dhawale)  
STTP Coordinator

  
(Dr. S. S. Wangikar)  
Convenor

  
(Prof. Dr. B. P. Ronge)  
Principal

One Week Faculty Development  
Program on  
**“Recent Advances in Materials  
Science and Engineering”**



## **COLLEGE OF ENGINEERING, PANDHARPUR**

### **AICTE-ISTE Sponsored Induction / Refresher Program 2021-22**

**(18 – 24 January, 2022)**



**Organized by**

***Department of General Science and Engineering***

## Resource Persons

- 01 **Dr. Jamil Akhtar**  
Director, SEEC and Professor in ECE dept., Manipal University Jaipur.
- 02 **Dr. D. G. Thakur**  
Professor, Defence Institute of Advanced Technology (DIAT), DRDO.
- 03 **Dr. Amitava Ray**  
Professor & Principal, Jalpaiguri Govt. Engg. College, West Bengal.
- 04 **Prof. V. Natarajan**  
BARC Mumbai.
- 05 **Dr. Sumit Bhowmik**  
National Institute of Technology (NIIT), Silchar.
- 06 **Dr. Rajeshkumar Shankar Hyam**  
Goa University, Goa.
- 07 **Dr. Prakash Viththalrao Salunkhe**  
Art of Living Teacher.
- 08 **Dr. Sharadrao Anandrao Vhanalkar**  
Koc University, Istanbul (Turkey).
- 09 **Dr. Deepak Rajendra Unune**  
The LNM Institute of Information Technology, Jaipur.
- 10 **Dr. Sambhaji M. Pawar**  
Sanjay Ghodawat University, Kolhapur.
- 11 **Dr. R. S. Pawade**  
Dr. Babasaheb Ambedkar Technological University, Lonere.
- 12 **Dr. Prashant B. Patil**  
The New College, Kolhapur.
- 13 **Dr. Yogesh Shrivastava**  
Assistant Director Head, Testing Division, Process And Product Development Agra.
- 14 **Dr. S. N. Achary**  
BARC Mumbai.
- 15 **Dr. V. Sudarshan**  
BARC Mumbai
- 16 **Dr. Shaila Subbaraman**  
Rtd. Professor WC Sangali.

## About Registration

**Duration of Program: 18<sup>th</sup>- 24<sup>th</sup> January, 2022**

Last Date to Register: 10<sup>th</sup> January, 2022

**(No Registration Fee)**



Registration link: <https://forms.gle/8VRCj3iEKNT1HK2W6>

Mode of Conduction: Online - Zoom Platform

## AICTE-ISTE INDUCTION /REFRESHER PROGRAMMES-2021-22



## Online Programme on “Recent Advances in Materials Science and Engineering”

18<sup>th</sup> - 24<sup>th</sup> January, 2022



**Sponsored by**  
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION  
**Organized through**  
INDIAN SOCIETY FOR TECHNICAL EDUCATION

**Organized by**



**SVERI's College of Engineering, Pandharpur**  
Approved by AICTE, New Delhi; NBA Accredited for all eligible UG Programs;  
Accredited by NAAC;IEI, Kolkata & TCS, Pune. Also Certified by ISO 9001:2015.  
Affiliated to P. A. H. Solapur University, Solapur.

P.B. No. 54, Gopalpur-Ranjani Road, Gopalpur, Pandharpur-413304,  
Dist.-Solapur, (Maharashtra) - India

## About the Institute

Pandharpur is well known holy place for Lord Shri Vithal temple. It is recognized as Spiritual capital of Maharashtra and popularly known as 'South Kashi' of India. Shri Vithal Education & Research Institute (SVERI) is a charitable trust formed by technocrats established its first project as College of Engineering, Pandharpur in 1998, Approved by AICTE, New Delhi, all eligible UG Programs are NBA Accredited, Accredited by NAAC, The Institution of Engineers (India) Kolkata, & TCS Pune, ISO 9001:2015 Certified Institute, Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur.

## Objectives of Programme

The AICTE-ISTE Refresher Programmes are essential for teachers in technical institutions for their professional refinement. The other aims for the conduct of these programmes are:

- Updating knowledge and improving organizational and pedagogical skills of teachers.
- To update the knowledge providing an opportunity for interaction and mutual exchange of ideas between teachers interested and/or working in particular areas of specialization.
- Providing an opportunity for teachers to familiarize themselves with modern engineering practices, including the latest technological advances adopted by industry by interacting with industry experts keeping in view the national needs and priorities and relevant technologies.
- Opening up before teacher's new vistas in technology at the frontier of knowledge and the challenges and opportunities ahead which provide to the dedicated and hard working.

## About Programme

The purpose of this program is to provide insights on advancement and research opportunities in various fields of Material Science and Engineering. The eminent personalities of Material Science and Engineering will accumulate at one platform to discuss various aspects during this program. Participants will receive a great aid to learn emerging technologies and thrust areas in Material Science and Engineering through this program.

## CHIEF PATRON

**Prof. Dr. B. P. Ronge**  
**Founder Secretary, SVERI**  
**&**  
**Principal, SVERI's College of Engineering, Pandharpur**

## ADVISORY BOARD

**Prof. Suraj B. Ronge** (Trustee Member)  
**Prof. M. M. Pawar** (Campus In-Charge)  
**Dr. P. M. Pawar** (Dean, Academics)  
**Dr. M. B. Kulkarni** (Dean, Administration)  
**Dr. R. R. Gidde** (Dean, R & D)  
**Prof. K. B. Patil** (Dean, Students')  
**Prof. A. A. Mote** (Dean, P&CA)  
**Dr. D. S. Chaudhari** (Dean, APP)

## COORDINATOR

**Dr. S. A. Lendave**  
Associate Professor and Head,  
Department of General Science & Engineering

## CO-COORDINATORS

**Dr. S. S. Wangikar**  
(Head-MechanicalEngineering Department)  
**Dr. R. N. Haridas** (9168655354, [rnharidas@coe.sveri.ac.in](mailto:rnharidas@coe.sveri.ac.in))  
**Dr. S. T. Pawar** (9970704035, [stpawar@coe.sveri.ac.in](mailto:stpawar@coe.sveri.ac.in))  
**Prof. A. B. Chounde** (9922341043, [abchounde@coe.sveri.ac.in](mailto:abchounde@coe.sveri.ac.in))

## ORGANIZING MEMBERS

**Dr. P. A. Dhawale**                    **Prof. S. B. Bhosale**  
**Dr. H. H. Pawar**                    **Prof. S. D. Bhosale**

**Schedule of AICTE-ISTE Induction / Refresher Programmes 2021-2022**



**AICTE-ISTE Sponsored Induction/Refresher Programs 2021-22 (Online Mode)**

***Recent Advances in Materials Science and Engineering***

**(18 - 24 January 2022)**

***Program Schedule***

<b>Day &amp; Date</b>	<b>10:00 to 11:30 am</b>	<b>11:45 to 01:15pm</b>	<b>02:15 to 03:45pm</b>
<b>Tuesday 18.01.2022</b>	<b>Registration &amp; Inauguration</b> <b>1. Dr. Pratapsingh Desai</b> President(ISTE), New Delhi <b>2. Col. B. Venkat</b> Director FDP Cell AICTE <b>3. Prof. Dr. B. P. Ronge</b> Principal, SVERI COE-Pandharpur	<b>Dr. Sharad Vhanalkar</b> (Turki)	<b>Dr. D. G. Thakur</b> (Defence Institute of Advanced Technology, Pune)
<b>Wednesday 19.01.2022</b>	<b>Prof. V. Sudarshan</b> (BARC Mumbai)	<b>Dr. Prashant Patil</b> (The New College, Kolhapur)	<b>Dr. Rajeshkumar Hyam</b> (Goa University)
<b>Thursday 20.01.2022</b>	<b>Dr. Mrs. Shaila Subbaraman</b> (Retd. Dean Academics of autonomous Walchand College of Engineering, Sangli)	<b>Prof. Prakash Salunkhe</b> (Art of Living Teacher) Stress Management Session	<b>Dr. Yogesh Shrivastava</b> (Industrial Expert)
<b>Friday 21.01.2022</b>	<b>Dr. S. M. Pawar</b> (Sanjay Godawat University, Kolhapur)	<b>Dr. Amitava Ray</b> (Principal, Jalpaiguri Government Engineering College, West Bengal, India)	<b>Dr. Sumit Bhowmik</b> (NIIT, Silchar)
<b>Saturday 22.01.2022</b>	<b>Prof. V. Natarajan</b> (BARC Mumbai)	<b>Prof. S. N. Acharya</b> (BARC Mumbai)	<b>Prof. R. S. Pawade</b> (BATU, Lonere)
<b>Monday 24.01.2022</b>	<b>Dr. Dipak R. Unune</b> (The LNM Institute of Information Technology, Jaipur, India)	<b>Dr. Jamil Akhtar</b> (Manipal University Jaipur)	<b>Evaluation &amp; Valediction</b> <b>1. Prof. V. D. Vaidya</b> (Executive Secretary, ISTE) <b>2. Prof. Dr. B. P. Ronge</b> (Principal, SVERI COE-Pandharpur) <b>3. Dr. Prashat Pawar</b> (Dean, SVERI COE-Pandharpur)

## **Resource Person and Sessions Details**

**Day and Date – Tuesday 18/01/2022**

**Session 1 – Registration and Inauguration**

**Session Link -**

[https://drive.google.com/file/d/1Q7uMGQU\\_6Pr3JSodEucILeTy-uE0qtfu/view?usp=sharing](https://drive.google.com/file/d/1Q7uMGQU_6Pr3JSodEucILeTy-uE0qtfu/view?usp=sharing)

### **1. Dr. Pratapsinh Kakasaheb Desai**

President Indian Society for Technical (ISTE), New Delhi. Dr. Pratapsinh Kakasaheb Desai completed his PhD from Shivaji University, Kolhapur. He has completed Master's Degree in Mechanical Engineering and Master of Business Administration. He is the son of Shri. Krantiveer Kakasaheb Desai the most sought freedom fighter. The Desai family rendered five freedom fighters to nation and he was raised with strong values and principles. .He has a prominent background of Social Reforms, Patriotism and Education.

Dr. Pratapsinh Kakasaheb Desai attended and Participated as member of Indian delegation on various International meets such as World Engineering Education Forum (WEEF), International Federation of Engineering Education Societies (IFEES), Global Engineering Dean's Council (GEDC) in Countries like US, Canada, England, France, Germany, Argentina, Brazil, China, Japan, Dubai, Australia & Korea.

Dr. Pratapsinh Kakasaheb Desai is youngest ever President of the prestigious organization ISTE, New Delhi, Past Vice President of ISTE, New Delhi, ISTE Executive Council Member for two terms.

### **2. Col B Venkat**

Col B Venkat is a serving Army officer from the Technical branch (Corps of Electronics and Mechanical Engineering) having done his mechanical engineering from Army institutes.

Having more than 30 years of service experience, and served in all possible appointments of command, staff and instructional, the officer is presently on deputation with AICTE and is handling faculty development, related issues and release of grants through AICTE - AQIS schemes.

The officer has a unique distinction of representing India as its Technical Military Attache' to Russia.

The officer also handles AICTE's quality initiatives like NITT (National Initiative for Technical Teachers Training), which is mandatory for the purposes of regularisation and promotion to all teachers, implementation of Examination Reforms and processes of NEP 2020.

**3. Dr. B. P. Ronge (PRINCIPAL, SVERI's College of Engineering, Pandharpur)**

**EXPERIENCE:**

**1) University:**

- i) Management Council Member (3rd Term)
- ii) Senate Member (2nd Term)
- iii) Academic Council Member (3rd Term)
- iv) Dean, Engineering Faculty (5 Years)
- v) BOS Chairman and Chairman/Member of several other Committees

**2) Educational and Administrative related:**

- i) Founder Secretary, Shri Vithal Education and Research Institute, Pandharpur [SVERI] (Diploma & Degree Engineering and Pharmacy Colleges, MBA Department)
- ii) Founder Secretary, Shri Vithal Institute of Progressive Education, Pandharpur [SVIPE] (CBSE School, Junior College and BCA and B.Sc. (ECS) College)
- iii) Founder Chairman, RSense Technology Solutions Pvt. Ltd.
- iv) Principal, SVERI's College of Engineering, Pandharpur (17 years till date)
- v) Professor, Department of Mechanical Engineering, SVERI's CoE, Pandharpur

**3) Membership of Professional Organization:**

- 1) Fellow, Institution of Engineers (India), Kolkata
- 2) Former Chairman, Solapur Local Centre, Institution of Engineers (India), Kolkata
- 3) Life Member, Indian Society for Technical Education, New Delhi
- 4) Fellow, Institution of Valuers, Delhi

## **Day and Date – Tuesday 18/01/2022**

### **Session 2**

Name of the Resource Person	Dr. Sharadrao Anandrao Vhanalkar		
Topic	Photo- Voltaic Materials for the Photo-stimulation of Neurons		
Qualification	M.Sc., Ph. D from Shivaji University, Kolhapur (India)		
Designation & working as	Research Scientist at Koc University, Istanbul (Turkey)		
Research Area	Physics/Material Science, Nanotechnology		
No. of Publications	National/International Journals:- 84	Conference:- 45	Books:-08 Chapter:-06
Session Link	<a href="https://drive.google.com/file/d/101vftedboSjfW020vNSKa9ghBI62f0bF/view?usp=sharing">https://drive.google.com/file/d/101vftedboSjfW020vNSKa9ghBI62f0bF/view?usp=sharing</a>		

## **Day and Date – Tuesday 18/01/2022**

### **Session 3**

Name of the Resource Person	Dr. Dineshsingh G. Thakur		
Topic	Metal Matrix Composite for Defence and Automotive Sector		
Qualification	DME, BE (Mech.), M. Tech (IIT-M), Ph. D. (IIT-M)		
Designation & working as	Professor and Chairman, PGC Director, Centre for Training & Placement		
Research Area	Fabrication, Characterization and Processing of Composite Materials. High speed machining/green machining of aerospace materials		
No. of Publications	National/ International Journals:- 65	Conference:- 105	
Session Link	<a href="https://drive.google.com/file/d/1oYji5xq06mjX0KQwKErrbAUhEdB5sTcI/view?usp=sharing">https://drive.google.com/file/d/1oYji5xq06mjX0KQwKErrbAUhEdB5sTcI/view?usp=sharing</a>		

## **Day and Date – Wednesday 19/01/2022**

### **Session 1**

Name of the Resource Person	<b>Dr. V. Sudarsan</b>	
Topic	Nano materials and their applications in new technologies	
Qualification	M. Sc. Chemistry from Indian Institute of Technology, Madras Ph. D degree in Chemistry from Mumbai University	
Research Area	structural aspects of inorganic glasses, hydrogen storage materials, glasses, luminescent nanoparticles	
No. of Publications	National/ International Journals:- 200	Book Chapter:-04
Session Link	<a href="https://drive.google.com/file/d/1A5msuSPcKRSIcAv3h1Vowk89ctQA0Ux4/view?usp=sharing">https://drive.google.com/file/d/1A5msuSPcKRSIcAv3h1Vowk89ctQA0Ux4/view?usp=sharing</a>	

## **Day and Date – Wednesday 19/01/2022**

### **Session 2**

Name of the Resource Person	Dr. Prashant B. Patil (Ph.D. IIT Bombay)		
Topic	Nanomagnetism and Spintronics		
Qualification	M. Sc.: Physics, Shivaji University, Kolhapur, Maharashtra, India. Ph.D.: Experimental Condensed Matter Physics, IIT Bombay, Mumbai, India.		
Designation & working as	Asst. Professor, Department of Physics the New College, Kolhapur.		
Research Area	Nanomagnetism, Spintronics, and Nanobiotechnology		
No. of Publications	National/ International Journals:- 40	Conference:- 20	Book Chapter:-02
Session Link	<a href="https://drive.google.com/file/d/1rl5e10ZhFWXjtBHR8g6rgqNOAVJNt5/view?usp=sharing">https://drive.google.com/file/d/1rl5e10ZhFWXjtBHR8g6rgqNOAVJNt5 /view?usp=sharing</a>		

## **Day and Date – Wednesday 19/01/2022**

### **Session 3**

Name of the Resource Person	Dr. Rajeshkumar Shankar Hyam	
Topic	Nanomaterials for Energy Applications	
Qualification	M.Sc., Ph.D. Physics , Shivaji University. Kolhapur	
Designation & working as	Assistant Professor, Goa University	
Research Area	Nanomaterials for Energy Applications	
No. of Publications	National/ International Journals:- 14	Conference:- 20
Session Link	<a href="https://drive.google.com/file/d/1NHC3_Xh3D16jzVKCN7KgDgLMGDkQs1YM/view?usp=sharing">https://drive.google.com/file/d/1NHC3_Xh3D16jzVKCN7KgDgLMGDkQs1YM/view?usp=sharing</a>	

## **Day and Date – Thursday 20/01/2022**

### **Session 1**

Name of the Resource Person	Dr. Mrs. Shaila Subbaraman
Topic	Quality Education, Accreditation, Faculty Training (NEP)
Qualification	M. Tech. from I.I.Sc., Bangalore (1975) Ph. D. from I.I.T., Bombay (1999)
Designation & working as	Retired as Professor from Walchand College of Engineering, Sangli.
Research Area	specialization is in Micro-electronics and VLSI Design
No. of Publications	National/ International Journals:- 50
Session Link	<a href="https://drive.google.com/file/d/1wTMjffPu_Z0aFvMUoBJehZOYFn_Er3M6/view?usp=sharing">https://drive.google.com/file/d/1wTMjffPu_Z0aFvMUoBJehZOYFn_Er3M6/view?usp=sharing</a>

## **Day and Date – Thursday 20/01/2022**

### **Session 2**

Name of the Resource Person	Dr. Prakash Salunkhe
Topic	Stress Management
Designation & working as	Art of Living Teacher
Session Link	<a href="https://drive.google.com/file/d/1ymGctJLjotzuEquKVe9R-DkZZTAYy0J5/view?usp=sharing">https://drive.google.com/file/d/1ymGctJLjotzuEquKVe9R-DkZZTAYy0J5/view?usp=sharing</a>

## **Day and Date – Thursday 20/01/2022**

### **Session 3**

Name of the Resource Person	Dr. YOGESH SRIVASTAVA
Topic	Industry Expert
Designation & working as	Assistant Director Head-Testing Division (Metallurgy) in Technology Development Centre, Process & Product Development Centre, Agra
Research Area	Materials Selection, Processing & Product Implementation
No. of Publications	National/ International Journals:- 18
Session Link	<a href="https://drive.google.com/file/d/1ymGctJLjotzuEquKVe9R-DkZZTAYy0J5/view?usp=sharing">https://drive.google.com/file/d/1ymGctJLjotzuEquKVe9R-DkZZTAYy0J5/view?usp=sharing</a>

## **Day and Date – Friday 21/01/2022**

### **Session 1**

Name of the Resource Person	Dr. Sambhaji M. Pawar	
Topic	Design and Fabrication of Inorganic Materials for Advanced Energy Devices	
Qualification	Ph.D. in Physics (Material Science) - (Jun. 2004 – Dec. 2007) Department of Physics, Shivaji University, Kolhapur	
Designation & working as	Associate Professor and Asso. Dean (R & D) Advanced Energy Materials Laboratory, Department of Physics, Sanjay Ghodawat University, Kolhapur	
Research Area	Thin film physics: Inorganic/organic thin films Nano materials for energy conversion and storage devices Synthesis Methods Physical: Pulsed laser deposition, Magnetron sputtering, Vacuum evaporation	
No. of Publications	National/ International Journals:- 130	Conference:- 22
Session Link	<a href="https://drive.google.com/file/d/1eaC_Nf23dbQ-gs0F_gTR4pM7EKlpTjKe/view?usp=sharing">https://drive.google.com/file/d/1eaC_Nf23dbQ-gs0F_gTR4pM7EKlpTjKe/view?usp=sharing</a>	

## **Day and Date – Friday 21/01/2022**

### **Session 2**

Name of the Resource Person	Dr. Amitava Ray
Topic	Selection of Materials using Multi-Criteria Decision-Making (MCDM) Approach
Qualification	M.E. degree in Production Engineering from Mumbai University Ph.D. (Engineering) from Jadavpur University in 2010.
Designation & working as	Principal in Jalpaiguri Government Engineering College, Jalpaiguri, West Bengal, India
Research Area	Operations management, supply chain management, sustainability, cost engineering, applied soft computing.
No. of Publications	National/ International Journals:- 100
Session Link	<a href="https://drive.google.com/file/d/1GpLoxN_2gEhkYkhRpgWOiaLKGHReQyYX/view?usp=sharing">https://drive.google.com/file/d/1GpLoxN_2gEhkYkhRpgWOiaLKGHReQyYX/view?usp=sharing</a>

## **Day and Date – Friday 21/01/2022**

### **Session 3**

Name of the Resource Person	Dr. Sumit Bhowmik		
Topic	Analysis & Synthesis of Natural Filler reinforced polymer composites: Mechanical perspective		
Qualification	B.E. (Mechanical), M.M.E. (Mechanical - Design), Ph.D.		
Designation & working as	Assistant Professor in the Department of Mechanical Engineering in National Institute of Technology Silchar.		
Research Area	Composite material: Development and Synthesis; Renewable energy: Materials and Management; Fatigue & Fracture: Optimization Techniques		
No. of Publications	National/ International Journals:- 62	Conference:- 06	Books:-03 Chapter:-12
Session Link	<a href="https://drive.google.com/file/d/1C1KbK2L-QqUKg9q6WIaNJi9caiBqBz0z/view?usp=sharing">https://drive.google.com/file/d/1C1KbK2L-QqUKg9q6WIaNJi9caiBqBz0z/view?usp=sharing</a>		

## **Day and Date – Saturday 22/01/2022**

### **Session 1**

Name of the Resource Person	Prof. V. Natarajan,
Topic	Electroluminescent display devices: basics and current progress.
Qualification	Ph.D. University of Mumbai (1990).
Designation & working as	Retired Prof., HomiBhabha National Institute, Mumbai. (2006-2016). Currently Hon. Prof., Neelkanthrao Shinde College of Arts and Science, Badrawati, Maharashtra (2020-23)
Research Area	Luminescence in solids, radiation effects in solids, electron spin resonance in inorganic materials, analytical spectroscopy.
No. of Publications	National/ International Journals:- 196
Session Link	<a href="https://drive.google.com/file/d/1osfuxQ0Atx3nQ9NxAS5sl2CKVLHmi-9M/view?usp=sharing">https://drive.google.com/file/d/1osfuxQ0Atx3nQ9NxAS5sl2CKVLHmi-9M/view?usp=sharing</a>

## **Day and Date – Saturday 22/01/2022**

### **Session 2**

Name of the Resource Person	Dr. S. N. Achary
Topic	Metastable Materials: Prospects for synthetic chemist
Qualification	M.Sc., Ph.D.
Designation & working as	Chemistry Division, B. A. R. C. Mumbai
Research Area	XRD, Material Characrisation in Inorganic Chemistry, Materials Chemistry and Solid-state Chemistry. Material for applications in extreme environments
Session Link	<a href="https://drive.google.com/file/d/1i3BmQTFjN5t3gmkibF24wl1ExW7-cyh1/view?usp=sharing">https://drive.google.com/file/d/1i3BmQTFjN5t3gmkibF24wl1ExW7-cyh1/view?usp=sharing</a>

## **Day and Date – Saturday 22/01/2022**

### **Session 3**

Name of the Resource Person	Dr. Raju Shrihari Pawade	
Topic	Residual Stress Measurement in Machined Inconel 718	
Qualification	M.E.(1997) Machine Tool Engineering, P. S. G. College of Technology, Coimbatore, Bharathiar University, Coimbatore, TN (India). Ph.D.(2008) Mechanical Engineering with the specialization in High-speed Machining of Superalloys, Indian Institute of Technology, Powai, Bombay, India. .	
Designation & working as	Associate Professor, Department of Mechanical Engineering Dr. Babasaheb Ambedkar Technological University, Lonere.	
Research Area	Machining of difficult to cut materials, Machining process optimization Non-conventional machining	
No. of Publications	National/ International Journals:- 40	Conference:- 121
Session Link	<a href="https://drive.google.com/file/d/1IH_DK-lZoRdoc-2uDe46GDq2u1yoI92N/view?usp=sharing">https://drive.google.com/file/d/1IH_DK-lZoRdoc-2uDe46GDq2u1yoI92N/view?usp=sharing</a>	

## **Day and Date – Monday 24/01/2022**

### **Session 1**

Name of the Resource Person	Dr. Deepak Rajendra Unune		
Topic	Surface modification of Ti6Al4V using EDM for improving osteogenic response		
Qualification	Master of Engineering (Mechanical-Production) Government College of Engineering, Karad, India, Doctor of Philosophy Malaviya National Institute of Technology Jaipur, India		
Designation & working as	Assistant Professor, Dept. of Mechanical-Mechatronics Engg. The LNM Institute of Information Technology, Jaipur, India.		
Research Area	Micro and advanced machining processes, CNC machining, coatings of biomaterials, electro-discharge machining (EDM), Micro-EDM, hybrid machining processes		
No. of Publications	National/ International Journals:- 39	Conference:- 20	Books Chapter:-06
Session Link	<a href="https://drive.google.com/file/d/1-oXc0mFwNnHEVwNoZKIw8KViYF-3evMe/view?usp=sharing">https://drive.google.com/file/d/1-oXc0mFwNnHEVwNoZKIw8KViYF-3evMe/view?usp=sharing</a>		

## **Day and Date – Monday 24/01/2022**

### **Session 2**

Name of the Resource Person	Dr Jamil Akhtar
Topic	Technology variants in the Fabrication of piezoresistive MEMS pressure sensor
Qualification	M.E., Ph.D.
Designation & working as	Director of SEEC and Professor in ECE department, Manipal University Jaipur.
Research Area	MEMS based piezoresistive sensor technology and imparted hands-on-training under NPMASS program. Silicon Carbide Technology and Diamond Detectors for strategic applications.
No. of Publications	National/ International Journals:- 200
Session Link	<a href="https://drive.google.com/file/d/106arBLNj3nx1Qa8MOSy_6y91zkBtbuzx/view?usp=sharing">https://drive.google.com/file/d/106arBLNj3nx1Qa8MOSy_6y91zkBtbuzx/view?usp=sharing</a>

**Day and Date – Monday 24/01/2022**

### **Session 3**

#### **Evaluation and Valediction**

##### **Session Link**

[https://drive.google.com/file/d/1HT60TuYPs5BW8YK\\_NhP3C57sftinefzx/view?usp=sharing](https://drive.google.com/file/d/1HT60TuYPs5BW8YK_NhP3C57sftinefzx/view?usp=sharing)

##### **1. Prof. V. D. Vaidya**

Prof. Vijay D. Vaidya born in Kolhapur, Maharashtra. He has obtained his B. Tech. Degree (Civil Enggg.) from Karnataka Regional Engineering College, Surathkal, Karnataka (presently known as NIT, Surathkal) in 1981. He worked in the field with M/s AFCONS, Mumbai at different sites in Karnataka, A.P., Goa, M.P. etc. and also worked with designer firm and did structural designing for different types of structures like Residential, Commercial, Industrial and Public buildings. He joined teaching field in 1985 as Lecturer in Civil Engineering Dept. in Govt. Polytechnic. Since then he worked in different capacities in Government of Maharashtra includes Lecturer in Civil Engineering, Head of Civil Engineering, Training & Placement Officer, Vice Principal & Principal.

He has worked in administration in Directorate of Technical Education, Mumbai as Assistant Director; worked as Deputy Secretary in Maharashtra State Board of Technical Education, Mumbai, which deals with the Diploma Education in Maharashtra.

##### **He is having the following Achievements in his credit:**

1. During field work at site completed time bound projects.
2. Govt. Polytechnic, Kolhapur got accredited by NBA during the tenure of Principal.
3. Pioneer in designing G- scheme curriculum for MSBTE, Mumbai.
4. Developed on line monitoring system of institutes for MSBTE, Mumbai and is still in practices for deciding performance.
5. Organized various types of Training, Workshops, Conferences for Teachers & Students in MSBTE, Mumbai

## News

# ‘स्वेरी’ मध्ये एआयसीटीई-आयएसटीई इंडक्शन प्रोग्राम संपन्न

पंढरपूर/प्रतिनिधी : गोपाळपूर (ता. पंढरपूर) येथील स्वेरीजू कॉलेज आँफ इंजिनिअरिंग मधील प्रथम वर्ष इंजिनिअरिंग विभागाला एआयसीटीई -आयएसटीई कडून इंडक्शन प्रोग्राम करिता मान्यता मिळाली होती. त्यानुसार प्रथम वर्ष इंजिनिअरिंग विभागाच्या वतीने ‘रिसेंट



अंडब्हान्सेस इन मटेरिअल सायन्स ॲंड इंजिनिअरिंग’ या विषयावर दिनांक १८ जानेवारी ते २४ जानेवारी २०२२ दरम्यान एआयसीटीई -आयएसटीई प्रायोजित या राष्ट्रीय इंडक्शन प्रोग्रामचे आयोजन करण्यात आले. हा संपूर्ण प्रोग्राम आठवडाभर ऑनलाईन स्वरूपात घेतला गेला असून या उपक्रमास प्रचंड प्रतिसाद मिळाला.

या इंडक्शन प्रोग्रामचे उद्घाटन आयएसटीईचे राष्ट्रीय अध्यक्ष डॉ.प्रतापसिंह देसाई, आयएसटीई एफडीपी सेलचे

संचालक डॉ. कर्नल व्यंकट व संस्थेचे संस्थापक सचिव व कॉलेज आँफ इंजिनिअरिंगचे प्राचार्य डॉ.बी.पी.रोंगे यांच्या प्रमुख उपस्थितीत पार पडले. या इंडक्शन प्रोग्राममध्ये देशभरातून अनेक प्राध्यापक, संशोधक व विद्यार्थी यांनी सक्रिय सहभाग नोंदवला.

१८ ते २४ जानेवारी दरम्यान पार पडलेल्या या इंडक्शन प्रोग्राम मध्ये डॉ.शरद वन्हाळकर, डॉ. डी.जी.ठाकूर, प्रा. व्ही सुदर्शन, डॉ. प्रशांत पाटील, डॉ. राजेशकुमार ह्याम, डॉ. शैला सुब्बारामन, प्रा. प्रकाश साळुंखे, डॉ. योगेश श्रीवास्तव, डॉ. एस.एम.पवार, डॉ. अमितव राय, प्रा. व्ही नटराजन, डॉ. एस.एन.आचार्य, डॉ. आर.एस.पावडे, डॉ. दीपक उनुणे, डॉ. जमीर अंडल या सोळा संशोधकांनी मार्गदर्शन केले. समारोप सत्रामध्ये आयएसटीईचे कार्यकारी सचिव प्रा. व्ही.डी. वैद्य यांनी या ‘इंडक्शन प्रोग्रम’ च्या आयोजनाबद्दल स्वेरीचे कौतुक केले व येणाऱ्या काळामध्ये विद्यार्थ्यांसाठी आवश्यक असे ज्ञान देण्यासाठी अशा इंडक्शन प्रोग्राम ची अत्यंत आवश्यकता आहे.’ असे प्रतिपादन केले.

## स्वेरी’ मध्ये एआयसीटीईआयएसटीई इंडक्शन प्रोग्राम संपन्न

पंढरपूर: गोपाळपूर (ता. पंढरपूर) येथील स्वेरीजू कॉलेज आँफ इंजिनिअरिंग मधील प्रथम वर्ष इंजिनिअरिंग विभागाला एआयसीटीई -आयएसटीई कडून इंडक्शन प्रोग्राम करिता मान्यता मिळाली होती. त्यानुसार प्रथम वर्ष इंजिनिअरिंग विभागाच्या वतीने ‘रिसेंट अंडब्हान्सेस इन मटेरिअल सायन्स ॲंड इंजिनिअरिंग’ या विषयावर दिनांक १८ जानेवारी २०२२ दरम्यान एआयसीटीई -आयएसटीई प्रायोजित या राष्ट्रीय इंडक्शन प्रोग्रामचे आयोजन करण्यात आले. हा संपूर्ण प्रोग्राम आठवडाभर ऑनलाईन स्वरूपात घेतला गेला असून या उपक्रमास प्रचंड प्रतिसाद मिळाला.

या इंडक्शन प्रोग्रामचे उद्घाटन आयएसटीईचे राष्ट्रीय अध्यक्ष डॉ.प्रतापसिंह देसाई, आयएसटीई एफडीपी सेलचे संचालक डॉ. कर्नल व्यंकट व संस्थेचे संस्थापक सचिव व कॉलेज आँफ इंजिनिअरिंगचे प्राचार्य डॉ.बी.पी.रोंगे

यांच्या प्रमुख उपस्थितीत पार पडले. या इंडक्शन प्रोग्राममध्ये देशभरातून अनेक प्राध्यापक, संशोधक व विद्यार्थी यांनी सक्रिय सहभाग नोंदवला. १८ ते २४ जानेवारी दरम्यान पार पडलेल्या या इंडक्शन प्रोग्राम मध्ये डॉ.शरद वन्हाळकर, डॉ. डी.जी.ठाकूर, प्रा. व्ही सुदर्शन, डॉ. प्रशांत पाटील, डॉ. राजेशकुमार ह्याम, डॉ. शैला सुब्बारामन, प्रा. प्रकाश साळुंखे, डॉ. योगेश श्रीवास्तव, डॉ. एस.एम.पवार, डॉ. अमितव राय, प्रा. व्ही नटराजन, डॉ. एस.एन.आचार्य, डॉ. आर.एस.पावडे, डॉ. दीपक उनुणे, डॉ. जमीर अंडल या सोळा संशोधकांनी मार्गदर्शन केले.

समारोप सत्रामध्ये आयएसटीईचे कार्यकारी सचिव प्रा. व्ही.डी. वैद्य यांनी या ‘इंडक्शन प्रोग्रम’ च्या आयोजनाबद्दल स्वेरीचे कौतुक केले व येणाऱ्या काळामध्ये विद्यार्थ्यांसाठी आवश्यक असे ज्ञान देण्यासाठी



अशा इंडक्शन प्रोग्राम ची अत्यंत आवश्यकता आहे.’ असे प्रतिपादन केले. समारोप सत्रांमध्ये अध्यक्षस्थान संस्थेचे शैक्षणिक अधिकाऱ्यां डॉ. प्रशांत पवार यांनी भूमिका वाले. हा ‘इंडक्शन प्रोग्राम’ यशस्वी करण्यासाठी प्रथम वर्षाचे विभागप्रमुख व प्रोग्राम समन्वयक डॉ.सतीर्थ लेंडवे, प्रा. अमोल चॉडे, डॉ.संताजी पवार, डॉ.रंगनाथ हरिदास व इतर प्राध्यापकांनी प्रयत्न केले.

## ‘स्वेच्छी’मध्ये एआयसीटीई-आयएसटीई इंडक्शन प्रोग्राम संपन्न

### संकार

स्वेच्छी अभियानातील प्रारंभिक दृष्टिकोणात विश्ववाचक कर्त्त्वे ‘रिसेंट एआयसीटीई इंडक्शन प्रोग्राम संपन्न अंड इंजिनिअरिंग’ या विश्ववाचक निंदेक १८ ते २४ जानेवारी दार्शन रात्रीव इंडक्शन प्रोग्राम उद्घाटन करावाचा आठड. हा संपूर्ण प्रोग्राम उद्घाटनाचा लॉन्चमेन्ट स्वप्रकाश वेळेला घेऊ असून या उद्घाटनप्रक्रियेका ग्रीनलैंग निश्चाल.

या इंडक्शन प्रोग्रामाचे उद्घाटन आयएसटीई-एआयसीटीई सेलेपे संचालक दॉ. राजेशकुमार आयएसटीई-एआयसीटीई सेलेपे संचालक दॉ. कर्नल वर्कर व सेलेपे संचालक संसिद्ध व दॉ. राजेशकुमार आयएसटीई-एआयसीटीई प्रारंभिक दृष्टिकोणात विश्ववाचक निश्चाल.

या इंडक्शन प्रोग्रामाचे उद्घाटन असेहा उद्घाटन, सेलेपेक्ष व विश्ववाचकी यांनी सौंत्रित उद्घाटन नेशनल. या इंडक्शन प्रोग्राम मध्ये दॉ. शरद नंदकुमार, दॉ. दौ. जोगेश्वरी, दॉ. सुदर्शन, दॉ. विजय कर्त्त्वी.



दॉ. राजेशकुमार द्याम, दॉ. फैजल सुब्रह्मण्यम, प्रा. प्रकाश सलंकुमे, दॉ. विजय नंदकुमार, दॉ. शरद नंदकुमार, दॉ. कर्नल वर्कर, प्रा. व्ही. नंदकुमार, दॉ. व्ही. पा. नंदकुमार, दॉ. अरुण राजेश, दॉ. दौ. जोगेश्वरी नंदकुमार व दॉ. विजय कर्त्त्वी या ‘इंडक्शन प्रोग्राम’ या उद्घाटनामध्ये घेऊन घेऊन केले. समारोहाचा उद्घाटनाचन दॉ. नंदकुमार वक्ता यांनी घूर्णावले. हा ‘इंडक्शन प्रोग्राम’ वक्तव्यी उद्घाटनाची प्रकारकांनी विश्ववाचक व सेलेपे संचालक दॉ. नंदकुमार लेले, प्रा. अमितव राय, दॉ. जोगेश्वरी, दॉ. रेणुका इंडियास व इंडियास्ट्रीजीवनाची घटावत केले.

## ‘स्वेच्छी’मध्ये एआयसीटीई-आयएसटीई इंडक्शन प्रोग्राम संपन्न

### पंढरपूर, प्रतिनिधी

येथील स्वेच्छीज. कॉलेज ऑफ इंजिनिअरिंग विभागाला एआयसीटीई-आयएसटीई कहून इंडक्शन प्रोग्राम करिता मान्यता मिळाली होती. त्यानुसार प्रथम वर्ष इंजिनिअरिंग विभागाच्या वतीने ‘रिसेंट अँडव्हान्सेस इन मटेरिअल सायन्स अँड इंजिनिअरिंग’ या विषयावर दिनांक १८ जानेवारी ते २४ जानेवारी २०२२ दरम्यान एआयसीटीई-आयएसटीई प्रायोजित या राष्ट्रीय इंडक्शन प्रोग्रामचे आयोजन करण्यात आले. हा संपूर्ण प्रोग्राम आठवडाभर ऑनलाइन स्वरूपात घेतला गेला असून या उपक्रमास प्रचंद प्रतिसाद मिळाला.

या इंडक्शन प्रोग्रामचे उद्घाटन आयएसटीईचे राष्ट्रीय अध्यक्ष डॉ. व्ही. सुदर्शन, डॉ. प्रशांत पाटील,



प्रतापसिंह देसाई, आयएसटीई एफडीपी सेलेपे संचालक डॉ. कर्नल व्यक्त व संस्थेचे संस्थापक सचिव व कॉलेज ऑफ इंजिनिअरिंगचे प्राचार्य डॉ. बी.पी.रोगे यांच्या प्रमुख उपस्थितीत पार पडले. या इंडक्शन प्रोग्राममध्ये देशभारातून अनेक प्राध्यापक, संशोधक व विद्यार्थ्यांनी सक्रिय सहभाग नोंदवला. १८ ते २४ जानेवारी दरम्यान पार पडलेल्या या इंडक्शन प्रोग्राम मध्ये डॉ. शरद वन्हाळकर, डॉ. डी.जी.ठाकूर, प्रा. व्ही. सुदर्शन, डॉ. प्रशांत पाटील, डॉ. राजेशकुमार द्याम, डॉ. शैला सुब्रह्मण्यम, प्रा. प्रकाश सलंकुमे, डॉ. विजय नंदकुमार, दॉ. शरद नंदकुमार, दॉ. कर्नल वर्कर, प्रा. व्ही. नंदकुमार, दॉ. व्ही. पा. नंदकुमार, दॉ. अरुण राजेश, दॉ. दौ. जोगेश्वरी नंदकुमार व दॉ. विजय कर्त्त्वी कौतुक केले. हा ‘इंडक्शन प्रोग्राम’ या उद्घाटनामध्ये घेऊन घेऊन कौतुक केले.

आवश्यक असे ज्ञान देण्यासाठी अशा इंडक्शन प्रोग्रामची अत्यंत आवश्यकता आहे. असे प्रतिपादन केले. समारोप सत्राचे अध्यक्षस्थान संस्थेचे शैक्षणिक अधिकाऱ्या डॉ. प्रशांत पवार यांनी भूषिले. अध्यक्ष स्थानावरुन बोलताना डॉ. पवार यांनी ‘समाजोपयोगी संशोधनासाठी अशा पद्धतीचे इंडक्शन प्रोग्राम हे नाव संशोधकांना पथदर्शी ठरतात.’ असे संगून संयोजन समितीच्या प्रयत्नांचे कौतुक केले. हा ‘इंडक्शन प्रोग्राम’ यशस्वी करण्यासाठी प्रथम वर्षाचे विभागप्रमुख व प्रोग्राम समन्वयक डॉ. सतीश लेंडवे, प्रा. अमोल चौंडे, डॉ. संताजी पवार, डॉ. रेणुका इंडियास व इंडियास्ट्रीजीवनाची घटावत केले.

## **Utilization Certificate**

### **UTILIZATION CERTIFICATE**

Name of the Scheme under which Grant was sanction AICTE-ISTE Induction/Refresher Program

**NAME & ADDRESS OF THE INSTITUTE** : Shri Vithal Education & Research Institute's  
College of Engineering, Pandharpur  
P. O. Box no. 54, Gopalpur Ranjani Road-Gopalpur  
Pandharpur Pin-413304 (MH)

**File No.** :

**Name of Coordinator** : Dr. Satish Abhangal Lendave

**Dates of the Programme** : 18<sup>th</sup> – 24<sup>th</sup> January, 2022.

**Title of the Programme** : Recent Advances in Materials Science and Engineering

Sl.No.	ISTE Sanction Order/Letter No. & Date under which grant was sanctioned	Amount (Rs.)	
1	ISTE/ AICTE-ISTE FDP/ 2021-22 Date: 20 September, 2021	93,000/-	Certified that out of the grant-in-aid of Rs. 93,000/- (Rs. Ninety Three Thousand Only) sanctioned by the AICTE-ISTE during the financial year 2021-22 in favour of <b>SVERI's College of Engineering, Pandharpur</b> as per letter mentioned in the margin. Rs. _____ on account of unspent balance of previous year. Rs. _____ on account of other income/receipts, a sum of Rs.93,000/- has been utilized for the purpose for which it was sanctioned and the balance of Rs. _____ remained unutilized at the end of the year.

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

**Kinds of checks exercised**

- i) Statement of Income and Expenditure
- ii) Receipt and Payment account, bank statement etc.
- iii) Bills/Vouchers/receipts etc.

*Dr. S. A. Lendave*  
(Dr. S. A. Lendave)  
SVERI's College of Engineering, Pandharpur  
(Name, Signature & Address of the Coordinator with seal)

*B*  
(Name & Signature of the Finance Officer/ Accounts Officer of the institute with seal)

**Signature of Chartered Accountant**

Name of Chartered Accountant (with seal)  
Membership No. For M/s. Ankush P. Kaulwar & Co.  
Rubber Stamp CHARTERED ACCOUNTANTS  
Full address  
Date:

*Ankush P. Kaulwar*  
PROPRIETOR  
(Membership No. 113808)

UDIN - 22113808ABIVJZ1644

*B. Ronge*  
(Dr. B. P. Ronge)

PRINCIPAL

**Signature of Head of the Institute**  
Name & designation of Head of Institute  
Rubber Stamp  
Full Address  
Date :



## **Statement of Expenditure**

**NAME & ADDRESS OF THE INSTITUTE**

:Shri Vithal Education & Research Institute's  
College of Engineering, Pandharpur  
P. O. Box no. 54, Gopalpur Ranjani Road-Gopalpur  
Pandharpur Pin-413304 (MH)

### **STATEMENT OF EXPENDITURE**

**FileNo.** :

**Title of the Programme** :Recent Advances in Materials Science and Engineering

**Name of the Coordinator** :Dr. Satish Abhanga Lendave

Sanction No. and date	Grant Sanctioned (Rs.)	Details of Expenditure Incurred Item-wise	Amount (Rs.) (in each head)	No. of Participants	Duration of the Programme (with dates)
ISTE / AICTE-ISTE FDP / 2021-22 Date: 20 September, 2021	93,000/-	1. Honorarium to CourseCoordinator 2. Honorarium to ResourcePersons/ Experts 3. Honorarium to LabAttendant 4. Miscellaneous charges (reprographic services, services, postage, transport daily wages, tea/coffee, stationaryetc.)	5,000/- 76,000/- 3,000/- 9,000/-	100	18 <sup>th</sup> - 24 <sup>th</sup> January, 2022
		<b>Total (A)</b>	93,000/-		
		<b>1) Grant Received from ISTE</b>	81,000/-		
		<b>2) Bank Interest received</b>	NIL		
		<b>3) Fund generated from other source</b>	NIL		
		<b>Total (B)</b>	81,000/-		
		<b>Balance Receivable/ (Payable) (A) - (B)</b>	12,000/-		

*[Signature]*  
(Dr. S. A. Lendave)

SVERI's College of Engineering, Pandharpur  
(Name, Signature & Address of the Coordinator with seal)

*[Signature]*  
(Name & Signature of the Finance Officer/ Accounts Officer of the institute with seal)

*[Signature]*  
(Dr. B. P. Ronge)

PRINCIPAL

Signature of Head of the Institute  
Name & designation of the Head of Institute  
RubberStamp  
Full Address  
Date :



Note : If it is more than one page, each page must be signed in all Annexures.  
(Membership No. 113804)

UDIN - 22113808ABIJUJ21644

Two Days Workshop on

**“Design Thinking for Social  
Entrepreneurship”**



# REPORT

AICTE Sponsored Faculty Development Program (FDP)

Design Thinking for Social Entrepreneurship  
Online

5<sup>th</sup> July 2021- 9<sup>th</sup> July 2021

Conducted by:

Shri-Vithal Education and Research Institute (SVERI), Pandharpur via the SVERI's SOBUS Centre of Excellence

# Design Thinking for Social Entrepreneurship

## Faculty Development Program

An AICTE sponsored FDP, Design Thinking for Social Entrepreneurship was conducted online from 5<sup>th</sup> July-9<sup>th</sup> July, 2021 by Shri Vithal Education and Research Institution (SVERI) in collaboration with its social innovation partner Sobus Insight Forum via the SVERI's Sobus Center of Excellence.

The program had 200 registrations, about 120 people attended the pre-orientation sessions and a total of 89 participants were finally certified. The program had a total of 15 sessions and was a mix of speaker sessions along with hands-on-practicum in Design Thinking for Social Entrepreneurship.

The schedule for the program was as follows:

Program Outline	Meditation (8:30am-9:00am)	Session I (9:00am-11:00am)	Session II (11:30am-1:30pm)	Session III (2:30pm-4:30pm)
Day 1- Monday	No	Welcome Address Introduction to the Program Social Innovation in Rural Context Introduction to Social Business	Peer Introductions Introduction to Program Tools (Sobus Hub, Mural)	Social Entrepreneurship (The Mandi Way) The Beginner's Mindset (Alison & Bob)
Day 2- Tuesday	Yes	Reflections of previous day The Beginner's Mindset: 100 uses of a block	Design thinking masterclass	Defining the problem
Day 3-Wednesday	Yes	Reflections of previous day. Defining the problem statement	Spoken Tutorials	Defining problem statements & problem boarding
Day 4- Thursday	Yes	Reflections of previous day Journey of social entrepreneurship & SAARVAY solutions	User Interviews Persona profiles Empathy Maps	POV: How Might We Brainstorming
Day 5- Friday	Yes	Solution & solution interviewing Innovation in Academic Institutions Sobus Insight Forum	Storyboarding	Pitching Valedictory, Feedback & Assessment

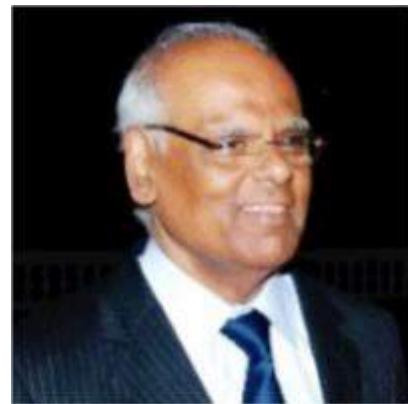
## Speaker Profile



Prashant Pawar  
Professor, SVERI



Suraj Ronge,  
Trustee, SVERI; Founder,  
R-SENSE



Indrajit Chatterjee,  
Board Member, Wheels  
Global Foundation



Digvijay Choudhari,  
CEO & MD, Sobus Insight  
Forum



Deepak Menon,  
CEO & MD, Sobus Insight  
Forum



Girish Sampath,  
Community Manager, Sobus  
Insight Forum



Dr. Prasad Teegalapally,  
Professor, NITIE Mumbai



Ramakrishnan V,  
Design Thinker, School of  
Design Thinking



Anbu Rathinavel,  
Head & Co-founder, School  
of Design Thinking



Kannan Moudgalya,  
Professor, IIT Bombay  
Founder, Spoken Tutorial



Vishal Sardeshpande,  
Professor, CTARA IIT  
Bombay  
Founder, SAARVAY Solutions



Anupama Modi,  
Founder, E-Ship Anchors



Content Strategist &  
Yoga Trainer, Art of  
Living

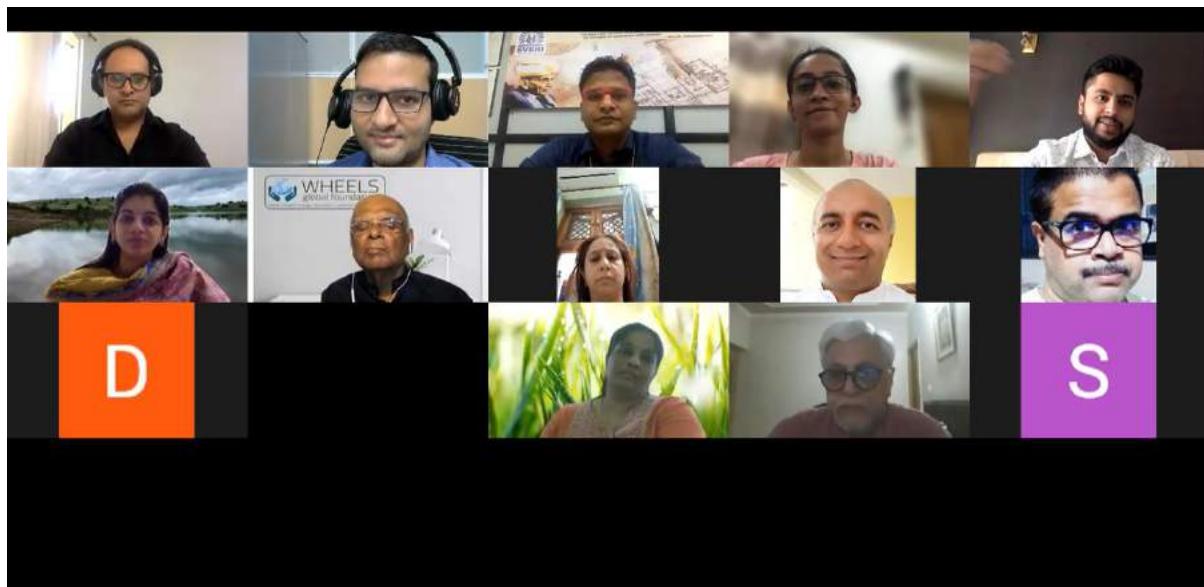


Senior Associate-  
Project, Sobus Insight  
Forum;  
Yoga Teacher, RYT-  
500 IYA

## Day Wise Session Brief

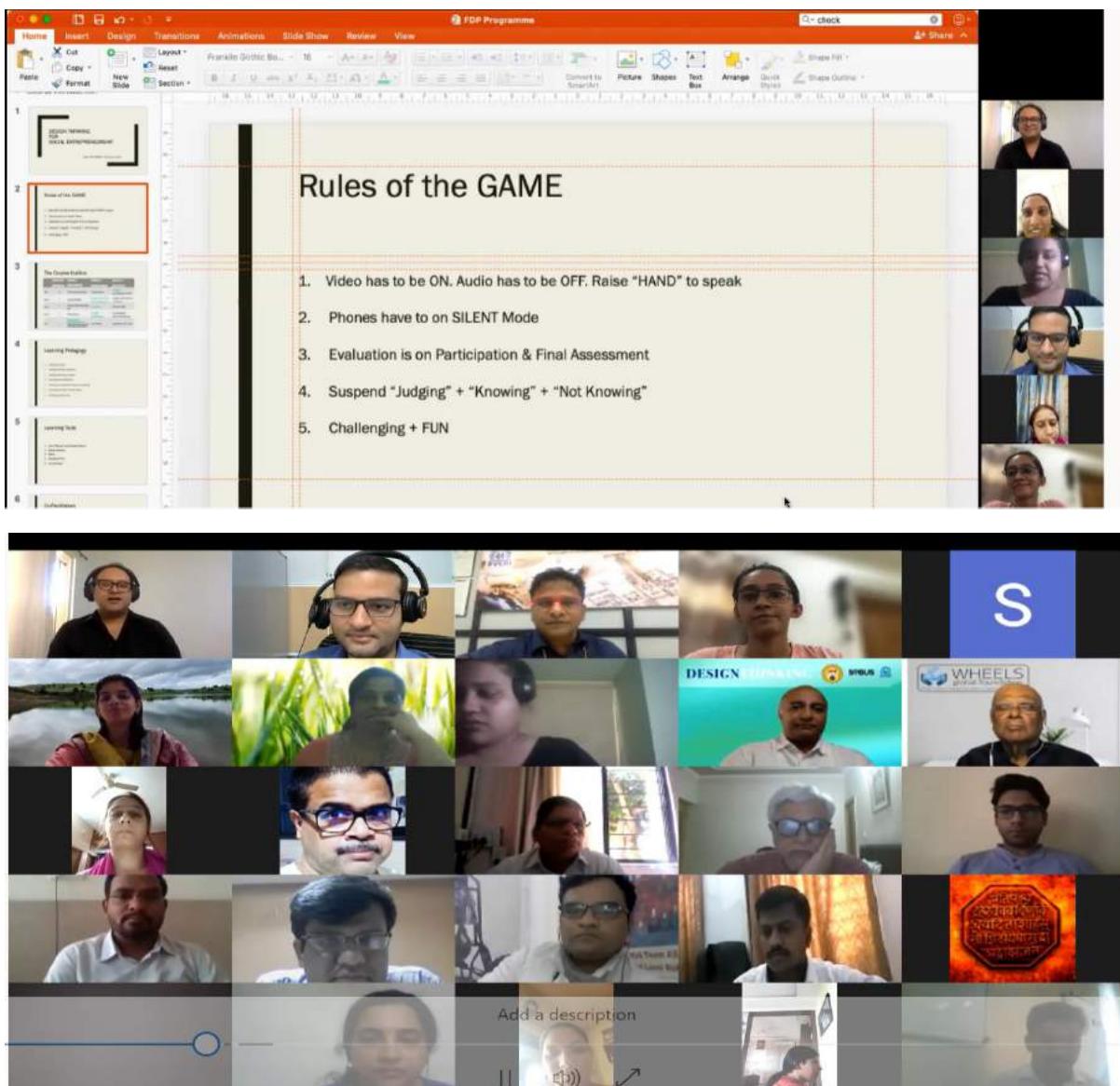
### Day 1-Session 1

Every day there were one or more speakers who presented on various topics related to social entrepreneurship. On Day 1, Session 1, Dr. Prashant Pawar, the course coordinator from SVERI, Pandharpur started the proceedings with a short introduction to the program. Then, Mr. Suraj Ronge, the trustee of SVERI, Pandharpur spoke about his own journey as a social entrepreneur and the establishment of R-sense. R-sense is a software company that is established in Pandharpur and currently hires 10 engineers from nearby villages. He advised the participants that initially, a lot of work in social entrepreneurship should be about exploring, studying, and understanding the problem that is trying to be solved. Although the design thinking approach was not explicitly stated, his talk shed some good insights into how he himself used the approach while thinking about the problem, understanding the user and building his product iteratively.



Then, Deepak Menon, the course facilitator explained the rules of

participation for the coming few days. They included instructions for the video being on, phones being on silent mode, evaluation criteria and suspension of judging, knowing, not-knowing. The course was designed to be both challenging and fun.



The session continued with an inspiring talk by Mr. Indrajit Chatterjee, Board Member of Wheels Global Foundation, on Social Innovation in the Rural Context- the SMART Village Program. The talk concept of a SMART or strength, measurable, achievable, replicable, technology, village inspired many participants who responded with

questions such as:

- What may be the Characteristics Village Cluster Development. Labour Based or Capital Based?
- How much contribution and knowledge of the village locals is needed to make their village smarter in terms of the interventions needed?
- sir can we get handouts of Aravalli village with technical boundary conditions ideas expenditure wise on each project starting from rainwater harvesting to solar facilities?

WHEELS GLOBAL FOUNDATION  
(USA & INDIA)  
(NOT-FOR-PROFIT)

www.wheelsglobal.org

WHEELS started as the "Giving Back"/Philanthropy initiative

VISION: To become **TECHNOLOGY-ENABLERS** to help other their missions

MISSION: To engage the IIT system and alumni networks to technology-based solutions for an integrated, smart development for clean **Water**, affordable **Healthcare**, renewable **Energy**, access to **Education**, create rural **Livelihoods** and do this in a **Sustainable** manner.

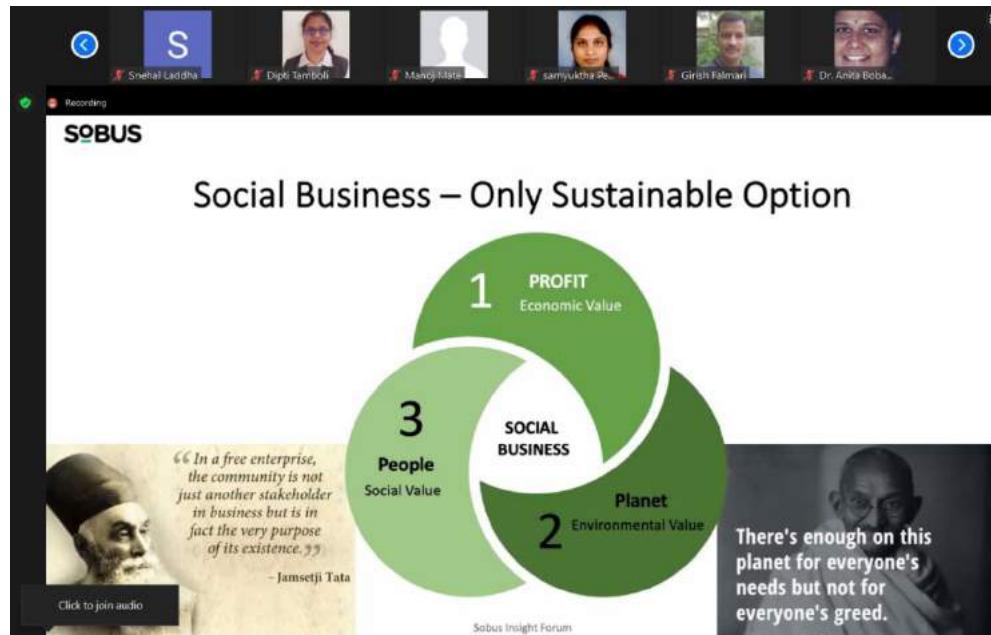
HOW WE DO THIS: By partnering with other NGOs, raising money as necessary to help them procure solutions or fund IITs to develop new, creative applications leveraging technology for clusters of villages and rural areas.

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Session 1 ended with talk introducing Social Business by Digvijay Choudhari, founder of Sobus Insight Forum. The talk highlighted the difference between an NGO, social-enterprise and for profit entity and gave insights on the concept of triple bottom line and the importance of the 3Ps people, planets, profits when considering the impact and success of a social business.



## Day 1- Session 2

Session 2 began after a short 30 minute break. In this session Mr. Girish Sampath and Ms. Akanksha Sinha gave an introduction on the course tools- Mural and Social Business Hub. First, participants were given a demo of the Design Thinking for Social Entrepreneurship course on the Social Business Hub and were asked to create their own profiles and update their About Me sections. On doing that, participants were asked to use the activity feed to post about their expectations from the course.



**Akanksha Sinha** •  
Instructor

Good morning everyone. What are your expectations from the course? Please let us know!

FDP: Design Thinking for Social... [Welcome and Introductions]

Hyderabad, India - Posted 1w ago

10



**Babasaheb Shinde** 1w  
Coaching and Mentoring

Hello everyone, This is Babasaheb Shinde. The intention behind joining this workshop is to know how to take it further once you have some idea in your mind. Or, like what it exactly take to be a social entrepreneur.

2



**Ratna Prasad Paladugu** 1w from iOS  
Technology

Expect to learn, be surprised, face ambiguity, be challenged and ready to be failed to understand Design Thinking...

1 · Reply



**Rupali Chothe** 1w

Hello all, I expect to get a new angle of creative and design thinking. Also about how to proceed towards entrepreneurship.

1



**Dr. Anita Bobade** 1w

Namaste. I wish to learn how we can engage the PG student for social engineering project and creative design

1



**Akshay Jadhav** 1w  
Assistant Professor

Then, the participants were introduced the collaboration tool called

Mural. After the short introduction, the tool was put into use by splitting participants into 10 breakout rooms for peer introductions and finding as many commonalities among themselves as possible.



### Day 1- Session 3

The final session of the day started after a one-hour lunch break with an invigorating session from Dr. Prasad Teegalapally a.k.a Dr. Mandi. Dr. Mandi, a professor at **NIETIE** Bombay. Dr. Mandi's unique way of encouraging social entrepreneurship consists of inspiring students to be hands-on. He spoke about how to he instilled the love for learning in students by asking them to sell a book on Gandhi to random passers-by. He insists on "bech bech ke seekhana" as it is impossible to sell a book on Gandhi without knowing what the contents of the book are. His unique presentation left people stimulated and inspired after a heavy lunch.

Student Social Startup is..

- CIRCUIT of learning assignments done
- An entity with outcomes

Parallel resistors

$$\frac{1}{R_{equivalent}} = \frac{1}{R_1} + \frac{1}{R_2}$$

Series

$R_{equivalent}$

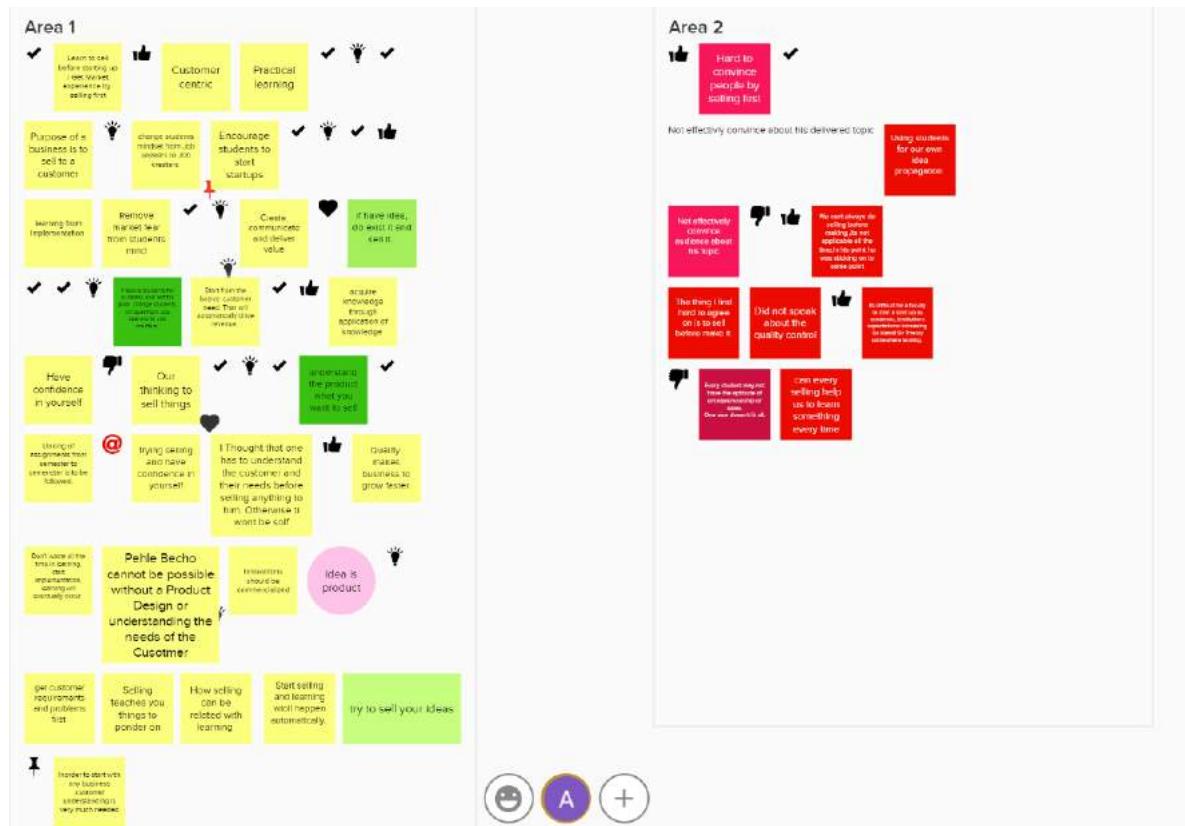
**Definition - Student Social Startups !**

BY THE, OF THE, FOR THE STUDENT!

1. Owned by the students
2. Related to the subject student studying and + Social Cause
3. Registered
4. Capital invested is.. Chatr Vidya + College facilities + Student Network + Acad Labour
5. Academic labour is converted into a startup !
6. BEST learning tool, earning 1/12 !
7. When studies completed, startup is closed !

Following Dr. Mandi's talk, the course facilitator and entrepreneur coach took charge of the session. Starting with a group brainstorming on the learnings from Dr. Mandi's session, Deepak Menon facilitated the first of the hands-on session on the Beginner's Mind. The beginner's mind is derived from Zen Buddhism concept known as shoshin. Shoshin refers to the idea of letting go of your preconceptions and having an attitude of openness when studying a subject. To conduct this session, Mr. Menon asked the participants

to brainstorm on the difference in the mindset of a seasoned entrepreneur “Alison” and a newby entrepreneur “Bob.” The difference in the thought patterns of Alison and Bob were then discussed. Session 3 of Day 1 ended with Deepak Menon asking participants to think about one idea in the social sector that participants want to work upon and market it on the mighty networks.





## Day 2

Day 2 started with at 830 am, with a short breath and meditation workshop conducted by the seasoned Art of Living trainer, Resha Patel. The session started with chair yoga asanas, followed by pranayama and a mindfulness meditation practice. The practice brought peacefulness, calmness and set a tone for mindful beginnings of Day 2.

### Day 2 Session 1

Day 2 started with reflections from the previous days learnings. Deepak Menon said “We learn by sharing, we learn by expressing and by listening to other people sharing.” Some of the learnings that participants reflected on from the previous day were things like “anything is possible,” “customers are the centre of any innovative process,” “students can learn to sell things that they have made,” “working with a team, convincing each other and being comfortable with each other,” “assignments that students are given from semester to semester should be linked to real-life projects.” Some of

the other learnings shared were captured in the mural as shown below.

Reflections from Day 2 Morning					
Important to start from scratch, start from the beginning and customer centric approach: Dr. Tripti	Anita: Anything is possible : If you have the will you can do anything	Not able to agree to certain things though : Anita	Shubhangi: We teach academic things. But we cannot teach students about marketing: Students need to be taught to sell	Working with a team: We got into a team and got comfortable with each other: Sushma	I am learning myself how difficult it becomes getting comfortable with others: Anita
Convincing others is also difficult	5 P's by Dr. Mandi Practical Productive Personal	Power of network: Discovered other people with similar mindset	Learnt new tools: Dr Anita Bobade	Assignments have to be in series leading to students becoming entrepreneurs	
Three kinds of learnings Reflection Listening Doing					

The session continued with picking up from the previous day's exercise on the Beginner's Mind. In this the participants were split into 5 groups and asked and come up with **100 uses of a pen**.

100+ ways of using an object								
For Writing	As a Paper Punch	Use as a ruler	As a back scratcher	As a Probe	As a Paint Stirrer	Nib to be used as a pin	small tool	
as an earbud :P	to clean small pores of sink	cap of pen can be used as whistle	for rangoli drawing	to throw on someone to seek attention in class	Cap can be used as a hair clip	To make drawings	tie hair bun	
As a paper holder	As a pointer		tea stirrer when no spoon	craft from old pens	Chew on for stress relief	Draw perfect circles	to open envelope	
As Clamp	smart phone stylus	capture finger prints using the ink	as a magic wand	throwing at somebody	switch on/ off	to move stuck mixer blades	to create idea for online business	
straw	team work	hidden speaker	hidden cam	Kite thread roller	Use the ink to ruin a perfectly good white shirt	As a source of plastic to melt down	To play an improvised version of spin-the-bottle	
Pen mightier than sword								

100+ ways of using a Pen																	
For creating holes	As toys	As hairclip	Use as a Status symbol	Unlock the bike	Use its a gift	Pulling out the sim cards	For screwing	To tear off envelope	Hit some with the pen	As measuring	To unpin something	Use as a gift	Knocking	scratching ears	to make whistle	To clip the paper	
As music tool	Writing	To switch on/off button	to unlock a bike lock	to make holes	scratching back	To unlock the bike lock	To direct someone as pointer	It can be used as a roller	Sketching	To open the cap of steel can sometimes	Tapping	toothpick	To play table with it	extender for tying ropes	To make a Whistle sound	Can be used as a pen drive to store files	
Scratch head	open the envelop	To Book mark	To pressing button	Pen refill can be used as pointer	use as a straw	use as a weapon	To wind thread	To wind audio cassettes	To point out someone	Can be used as usb point	can be use as spy	can be used as gift	can be used as audio recorder	Tide box opener			
Can be used as a light pointer	Supporting instrument for timing anything	To open the lid	To make a photo frame	Can be used as a window stopper	Used as Digitizer	Pen body can be used as pen in Inks											

The exercise helped in facilitating interpersonal discussions, unblocking minds, and spurring the beginnings of creativity.

On the completion of the above exercise, a Mood-Board mural was shared, and the participants were asked to put down the ideas they were thought of the previous day on the common mood board. The ideas on the mood board were organized and grouped under different sector-based themes.



## Day 2 Session 2

Day 2 Session 2 was conducted by Mr. Anbu Rathniv and Mr. Ramakrishnan from the School of Design Thinking. It was an information packed session and gave an overview of the entire design thinking process. Mr. Anbu spoke about his journey with the School of Design Thinking how the big element of preparing people to become design thinkers was missing. He spoke about the subtle difference between how an analytical mind would look at the participating group and say that there are x no. participants, but a design thinking mind would say that there is x no. of curious learners that I'm going to have a dialogue with. While there were many interesting learnings from the session, something that caught everyone's attention was the case study of putting together an incubator for babies in Nepal where infant mortality was extremely

high. Some of the key learnings from the session were falling in love with the problem, not the solution, three hygiene factors: active listening vs. passive listening; dialogue vs. debate; empathetic observation and the overarching need of wanting to create value for the end user among other things.



## Day 2 Session 3

Session 3 of Day 2 started off by reflecting on the learnings from Session 2. Some of the learnings are given in the mural below.



Then, the Mr. Menon picked up from where the participants had left off in session 1. The idea mood board was shared and the participants were split into the sector specific groups that they had contributed their ideas to. The session consisted of forming groups and splitting participants into these groups. There were 5 groups that were formed- Waste Management, Education, Rural Youth, Energy and Agriculture. Once the members and groups were decided, participants spent the rest of the session discussing about the

problems that were plaguing the sector.

## Day 3

Day 3 started with a 30 min breath and meditation workshop conducted by Art of Living trainer Resha Patel and assisted by Yoga Alliance certified teacher, Akanksha Sinha. As Patanjali says “Yoga citta vritti nirodah,” the asana, pranayama and meditation practice set the tone by stilling the mind, removing dualities and conflict.

### **Day 3 Session 1**

The day started off with reflections from the previous day. Participants said that some of their biggest learning's were “free flowing of ideas, without judgement and criticism,” “questioning the assumptions,” “70% of the journey is about figuring out the problem” among other things. Deepak Menon explained the next exercise on brainstorming to the participants and a demo of the process was done with the entire group of participants for the health sector. The participants were then split into breakout room and asked to brainstorm about all the problems that exist in the sector they were grouped into. Once all the problems were on the mural board, the participants were asked to be rank ideas based on 1g, 10g, and 100g framework.

## Brainstorming

Number of specialist doctors are very few	I in Bangalore don't get good quality healthcare	Long queues in hospital	Uniform charges are not there	Registration is a long process	Insurance process is tedious	availability of medical devices in rural areas	Availability of ambulance is a challenge
Oxygen plants in rural areas	Package system by hospitals is a challenge	Lack of transparency between doctor and patient	lack of Multispeciality units	Poor diagnosis/assessment by doctors	Lack of enough health insurance	Exorbitant cost in private hospitals	Patient awareness on diseases
Too many layers between patient and doctor	Lack of regulation of private sector hospitals	Quality of food given to the patients	Cleanliness in hospitals	cost of medicine	proper monitoring and control of the entire health system		

## Brainstorming Problems: Waste Management

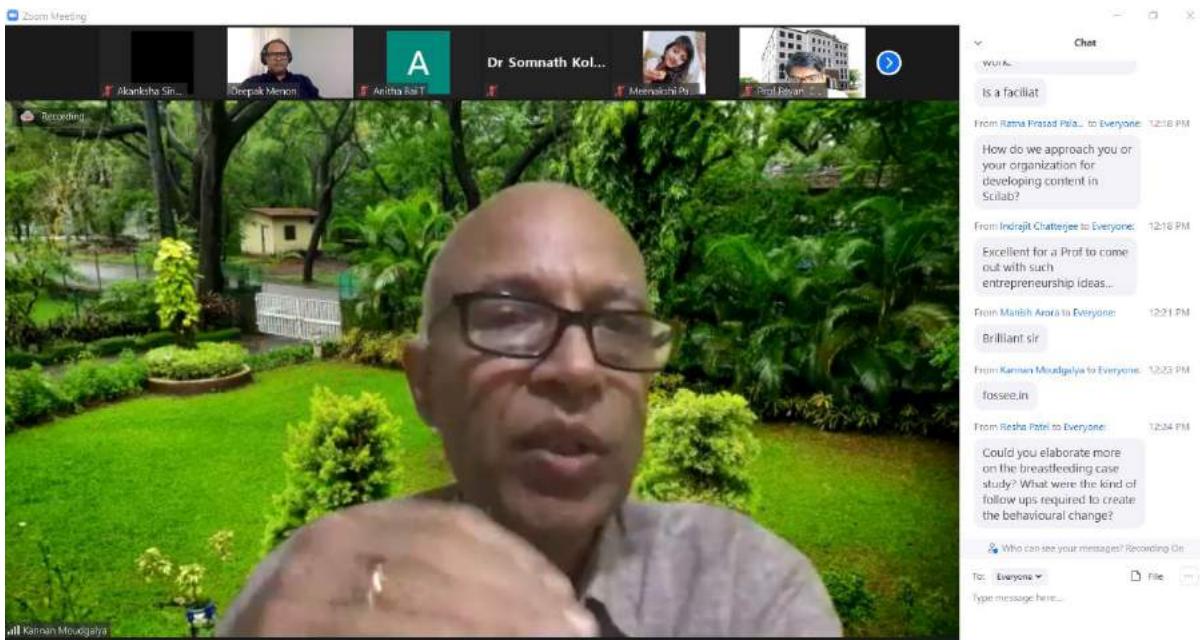
Lack of competency in recycling process	segragation of dry waste and wet waste	lack of integrated system	wastage at tourist places	Improper collection of waste	Biological reprocessing	deficient municipal infrastructure	transportation to disposal site
garbage bin management	problem of deposition of medical waste	Disposal of waste in open drains leading to clogging of drains	No proper study done to examine the nature and ingredient of the waste	At the time of manufacturing of cement, more than 52% of CO2 is liberated. leads to pollution	create value from waste	systematic storage of waste at source	Sanitary landfill
Incineration	bioremediation	dissemination of information	e waste recycling	garbage collection from waste bins at proper time	free plastic	Awareness about rules and regulations	lack of financial management
instability in policy formation	poorly trained employees	Lack of logistics	sewer waste management	problem of deposition of kitchen waste	Collection of Waste	awareness in people regarding waste management	industrial waste in water causing pollution
wastage in river/sea	awareness about recycling missing	environmental degradation	Lack of Proper Disposal Facilities	Construction Waste	energy efficiency	Industrial growth	lack of basic aesthetics
Scrap of digital devices	Awareness about safety aspects	lack of coordination	People generally don't take care of the waste they carry it to nearby roads, railway tracks, open plots etc.	lack of self discipline	lack of waste management technology	lack of disposal facility	Compost management
Recycled waste	cart pushers	Automobile waste management	Reliance of dying technologies to reduce and recycle waste				

On completion of the exercise, group wise presentation of the ideas that were brainstormed was made to all participants.

Brainstorming Problems: Rural Youth								
Unemployment Youth	Access to school and colleges	Access to Financial resources	Caste and Gender Discrimination	Health Issues	Lack of local resources	Access to electricity	Substance addiction	
Lack of Guidance	Lack of occupational opportunities	Lack of self confidence	Lack of skills	Transport Facility- Connectivity	Lack of information about government schemes	Poor Communities	Lack of Sanitation facility	
Violence/Crime	Illiteracy	Lack of agriculture knowledge Institutions	Lack of civic sense	Lack of counselling centres	Centre for career guidance	Migration	Lack of information	
Lack of proper mentor	Lack of awareness about technology	Cultural Difference	Lack of marketing	Societal pressure	Family pressure	Lack of safety	Certain Taboos	
Lack of role models	Politics	Library Facilities	Lack of Technological Resources	Platform for recreation	Corruption	Exploitation	English Proficiency	
Lack of Industries	Level of education	Poverty						

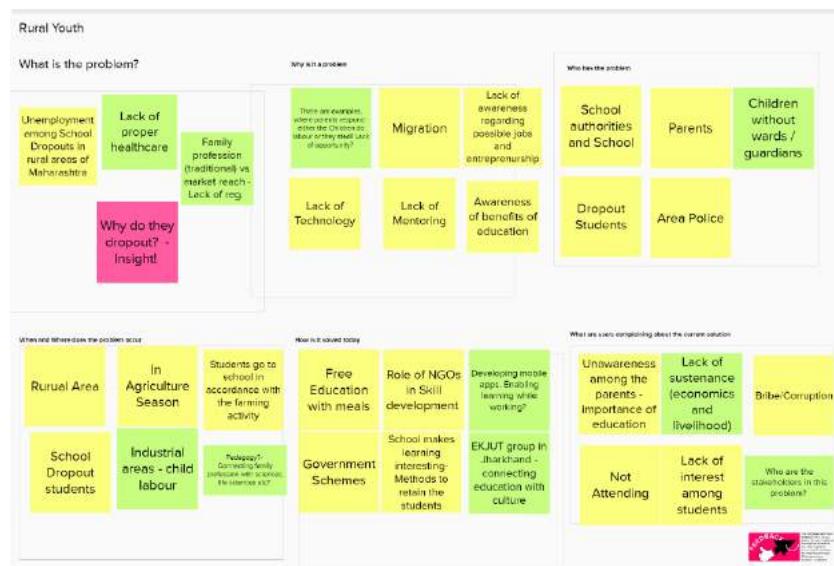
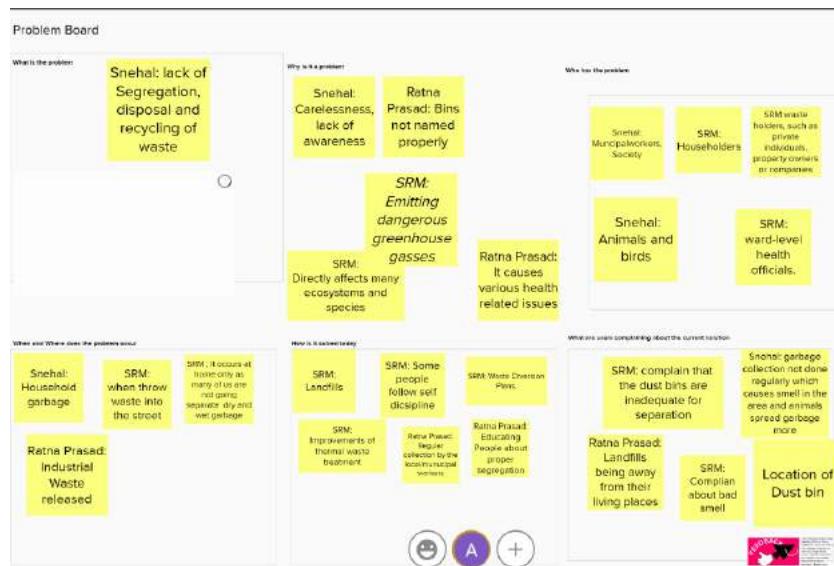
## Day 3 Session 2

In session 2 of day 3, Dr. Kannan Mougdaya, Professor IIT Bombay and Director of education in WHEELS Global Foundation spoke about Spoken Tutorials. Dr. Kannan spoke about Spoken Tutorials for Education, Empowerment and Employment. Spoken Tutorials is a 10 min long audio-video tutorial for self-learning purposes. The session had many insights about the social entrepreneurial product and how the product tried to decentralize learning to the bottom of the pyramid while still making a small amount to reimburse costs of making and disbursing the product.



## Day 3 Session 3

In the final session of Day 3- sector based group were asked to use the problem board to drill down a little bit more on the problem statement. The problem board consisted of 6 key questions: What is the problem, why is it a problem, who has the problem, when and where does the problem occur, how is it solved and what are the users complaining about the current situation. Sector groups worked with their teams in zoom breakout rooms. The final presentations of the problem boards were made in the plenary to all participants by each group. As prep work for the next day, participants were to identify users and speak to these users informally.



## Day 4

Like all the other days, day 4 started at 830am with a short breath and meditation workshop conducted by Resha Patel and Akanksha Sinha. The session consisted of asanas, pranyam and meditation and included basic desk stretches, pranyam techniques such as yogic breathing and anilom vilom and a guided meditation practice.

## Day 4 Session 1

Day 4, session 1 started at 9am with reflection points. Participants reflected on how they learnt to narrow down the problem, realized that different people have different ways of looking at a problem and that there are numerous problems to solve. At 930am, CTARA IIT Bombay professor Vishal Sardeshpande, spoke about his personal journey as an entrepreneur and founder of MSME Saarvay solutions. He spoke about what sparked his interest in developing a Jagarey processing plant and the years of iterations in product development.

Zoom Meeting  
Recording  
You are viewing Vishal Sardeshpande's screen  
View Options  
View

**SARVAAY**  
My story of technology development

- Family background
- Academic interest
  - Physics, Thermodynamics, Heat transfer, Energy, Thermal systems
- Master level crush
  - Fascination
- PhD level dating
  - Affection
- Entrepreneur / faculty level commitment
  - Relationship

Vishal Sardeshpande

Unmute Start Video Participants 54 Chat Share Screen Record Reactions Leave

## **Day 4 Session 2**

Day 4 session 4 really picked up gear with course facilitator, Deepak Menon explaining to all participants the concept of User Interviews and the process of creating Persona Maps, Empathy Maps. All participants were then split into their respective groups and each participant conducted user interviews for at least one user, write the questions they wanted answers for in the interview mural, speak to the user and populate the notes from the interview into the mural. On the completion of the interview, groups worked together to fill the persona profile which described the attitudes and goals of user and was based on subjective perceptions of the interviewer. A persona is a fictional character type that represents real customer needs, feelings, and common behavioural patterns. Finally, the participants used the empathy map framework to really get into the shoe of the user and think about what the user says, thinks, feels and does. An empathy map is a collaborative tool teams can use to gain a deeper insight into their customers. Much like a user persona, an empathy map can represent a group of users, such as a customer segment.

## Interview 1

<p><b>Interviewee:</b> Mrs.Kara Kundua</p> <p><b>Interviewer:</b> Anitha Bai T</p> <p><b>Note-taker:</b> Name</p> <p><b>Date + time:</b> 08.07.2021,11:50 am</p>	<p><b>Things to keep in mind:</b></p> 
<p><b>Questions</b></p>  <p>Great Moving Month.What is your name and tell us about your self</p> <p>Tell something about the school room</p> <p>Is there poor many students are driving out from the school room</p> <p>What do you like the results of the efforts of the class</p> <p>What are the actions you have taken measure to reduce the drug use</p> <p>Is there any effort in Government to them to bring them back</p>	<p><b>Notes Interview 1</b></p>  <p>Good moving month.What is your name and tell us about your self</p> <p>Tell something about the school room</p> <p>Is there poor many students are driving out from the school room</p> <p>What do you like the results of the efforts of the class</p> <p>What are the actions you have taken measure to reduce the drug use</p> <p>Is there any effort in Government to them to bring them back</p> <p>Good moving month.What is your name and tell us about your self</p> <p>Tell something about the school room</p> <p>Is there poor many students are driving out from the school room</p> <p>What do you like the results of the efforts of the class</p> <p>What are the actions you have taken measure to reduce the drug use</p> <p>Is there any effort in Government to them to bring them back</p> <p>Good moving month.What is your name and tell us about your self</p> <p>Tell something about the school room</p> <p>Is there poor many students are driving out from the school room</p> <p>What do you like the results of the efforts of the class</p> <p>What are the actions you have taken measure to reduce the drug use</p> <p>Is there any effort in Government to them to bring them back</p>

## Persona Profile

Use this template to develop empathy as a team before beginning a project.

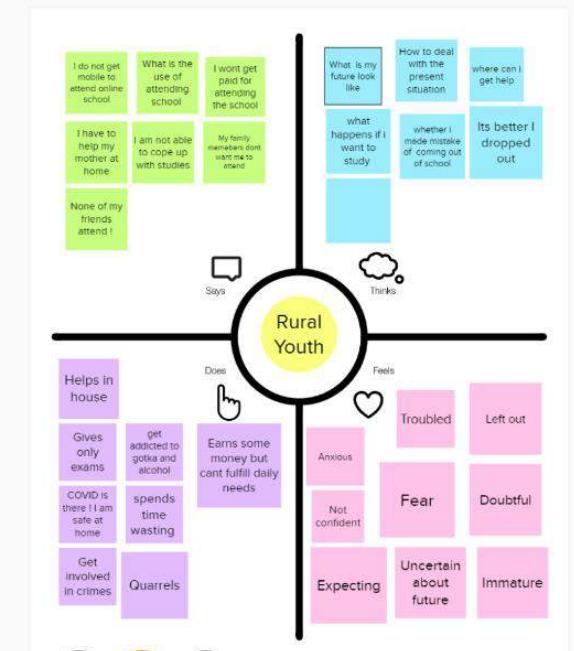
1 Focus on the person you're designing for



## Empathy Map

Use this template to create empathy for whoever you're solving a problem for.

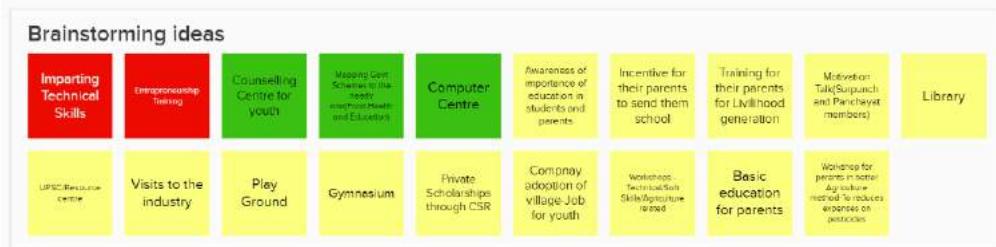
- Build empathy and keep your focus on the user by putting yourself in their shoes.



## Day 4 Session 3

The day's final session ended with sector-specific groups working on creating Point of View (POV) statements to formulate their problem statements. A Point Of view (POV) is a meaningful and actionable problem statement, which will allow you to ideate in a goal-oriented manner. Your POV captures your design vision by defining the RIGHT challenge to address in the ideation sessions. A POV involves reframing a design challenge into an actionable problem statement.

# HOW CAN WE EMPOWER SCHOOL DROPOUT YOUTH IN RURAL MAHARASHTRA



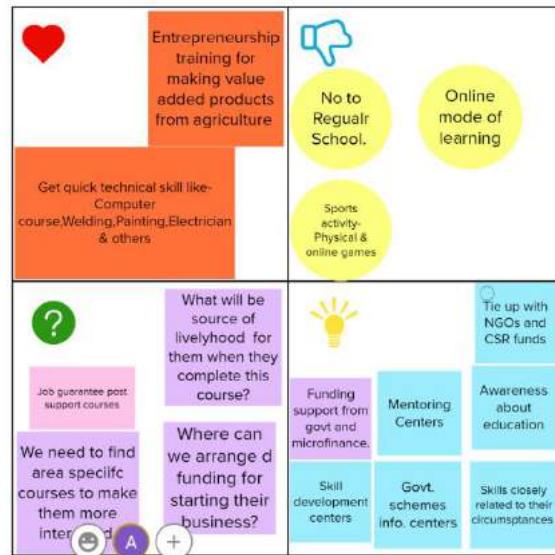
## Day 5

The final day started at 8:30 am with an invigorating breath and meditation workshop. Participants started the final day on an energized and motivated note.

### Session 1

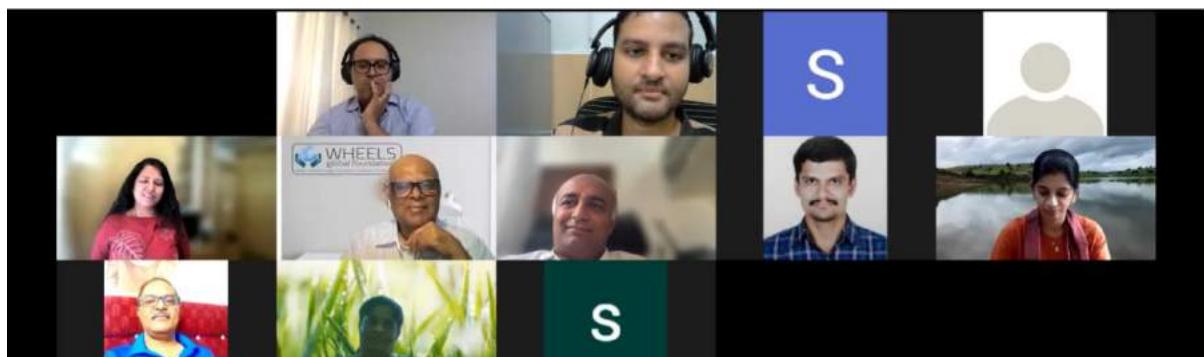
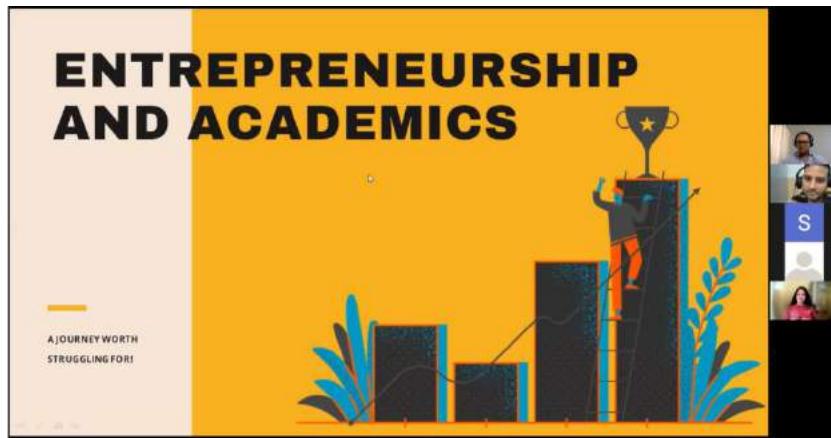
The first session of the final day started off with the activity of Solution Interviewing. Participants worked in their respective groups to interview users to gain qualitative insights on the pain points, perspectives, and needs of potential customers. Each group then filled out a mural on solution interviewing. At the end of the session, the solution interview murals were presented to the rest of the participants.

### Solution Interviewing



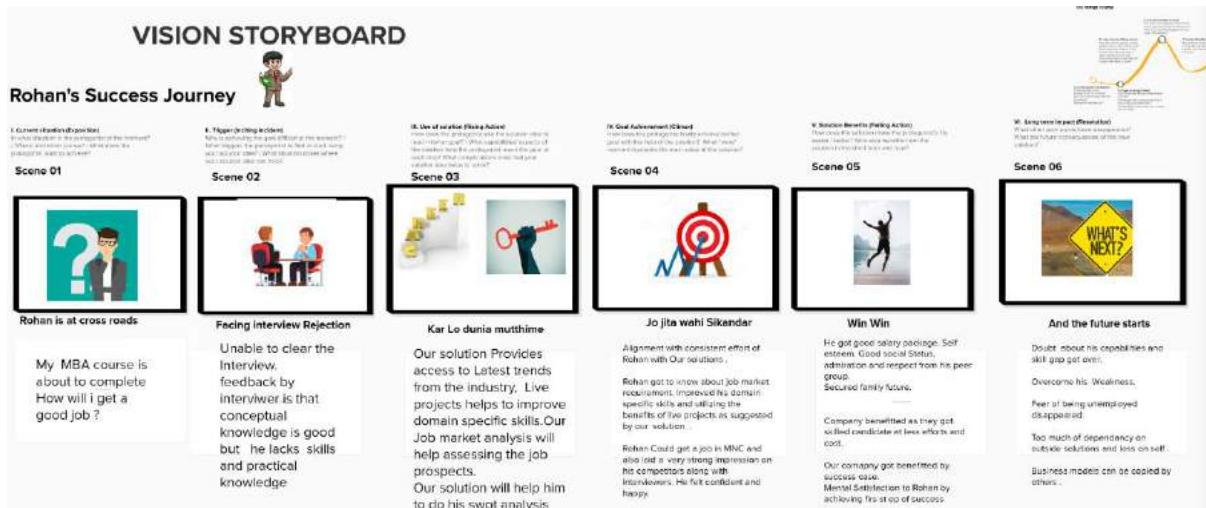
## Day 5- Session 2

Session two started off with an inspiring talking by founder of E-ship Anchors, Anupama Modi. E-ship Anchors consults institutes and organizations on entrepreneurship ecosystem development. She spoke about the advantages and challenges of creating an entrepreneurship ecosystem in a higher education ecosystem. She also shed some light on some important government policies that support the building of such an ecosystem in institutions. Following her brief talk, Digvijay Choudhari, founder of Sobus Insight Forum spoke about Sobus's work at SVERI, Pandharpur in building an entrepreneurship and innovation ecosystem.

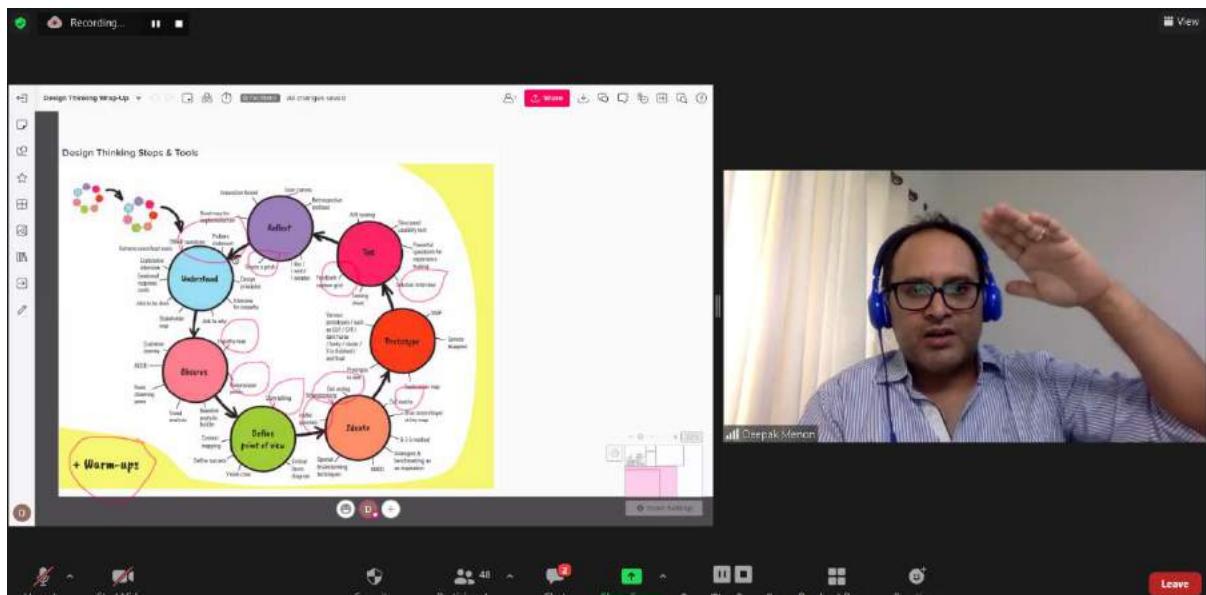


## Day 5- Session 3

In the final session of the programs, participants were again split into their respective sector specific breakout rooms where they worked on creating story boards. Storyboards communicate a concept by visualizing user interactions. They use the art of the narrative to focus on a person's experience of using your service. Storyboard development is one way to prototype your service concept. Final Pitches of the story board were made by each team at the end of the first hour.



At the end of the session, Deepak Menon, the course facilitator summarized the entire process of design thinking and the tools that were touched upon during the program.



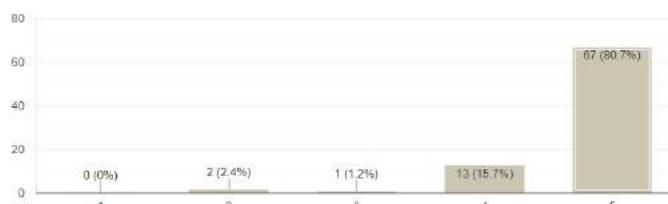
While the participants were introduced to a tool in each stage of the design thinking process, Deepak Menon warned the participants that this is just the beginning and these as well as other tools can be used repeatedly at each stage of the process to really understand the problem and design a solution that is unique and appropriate to the user.

The final session ended with a valedictory speech by course coordinator, Prashanth Pawar and each participant were asked to fill a feedback and assessment form.

The results from the feedback form reflect that 80.7% of all respondents were highly satisfied with the program 95% found the program relevant to meeting their goals.

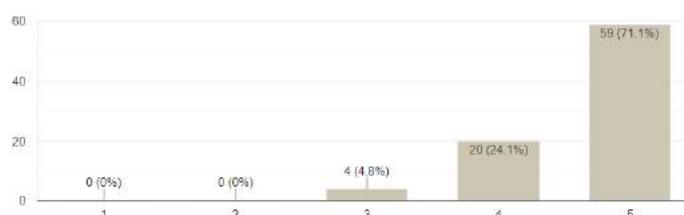
How satisfied were you with the program ?

83 responses



How relevant and helpful do you think it was for your goal?

83 responses



## Participation

There were 200 approved registrations out of which 120 participated in the course. Based on attendance, participation and assessment, a total of 89 people were successfully completed the program and received certifications. The participants are listed below.

Name	Email	Contact	Assessment Score
HARIDAS HANMANT PAWAR	pawarhh@coe.sveri.ac.in	9270532226	22
Chetan Vishvambhar Bhusare	chetanbhusare1@gmail.com	8793142463	24
Yuvraj Narwade	yuvinarwade@gmail.com	8087501932	18
Neelam Bhima Hande	nbhande@coe.sveri.ac.in	8805933895	24
Jagadish Sanganna Hallur	jshallur@coe.sveri.ac.in	9975090344	19
Avinash Chandrashekhar Vasekar	acvasekar@cod.sveri.ac.in	9561899026	21
Anita P Bobade	anita.bobade@nmitd.edu.in	9820808105	23
Umesh Balaso Andh	ubandh@cod.sveri.ac.in	9527703004	15
VIKRAM Ramdas Chavan	vrchavan@coe.sveri.ac.in	9890455735	22
Pavan Chaudhari	pbc.csmss@gmail.com	8793028380	22
Mujib Abbas Tamboli	mujib.tamboli@aiktc.ac.in	9892042870	17
Ashwini Digamber Dixit	addixit@kkwagh.edu.in	9850194855	20
Chetan Ramesh Limkar	crlimkar@coe.sveri.ac.in	8149490449	21
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Akshay Anil Jadhav	jadhavaa@coe.sveri.ac.in	9552690535	19
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Garima Srivastava	garima1480@gmail.com	9793277786	20
Shubhangi Dharmendra Gunjal	shubhangi.gunjal83@gmail.com	9860032927	20
Rahul khadase	rahul.khadase@aiktc.ac.in	8983624287	23

Sachin Madhav Pore	sm pore@dbatu.ac.in	8600517111	19
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Ganesh Khare	kharegn12@gmail.com	9637799907	18
Mahesh Dilip shinde	maheshshinde0143@gmail.com	8208449936	15
Ashish Tiwari	Tiwariaj@gmail.com	9702472001	18
SANJAY HARI SAWANT	sanjaysawant2010@gmail.com	9421038723	18
Husain K Bhaldar	hkbhaldar@coe.sveri.ac.in	9096615501	16
Shruti Ashish Vedpathak	shruti.vedpathak@dypvp.edu.in	8805023652	16
Basavaraj S Kothavale	basavraj.kothavale@mitwpu.edu.in	9011072587	23
Meenakshi M. Pawar	minakshee2000@gmail.com	9518930034	20
GOURAV PRAKASH SHIRSAT	gpshirsat@kkwagh.edu.in	8275166686	18
Smita Patil	st.patil@kkwagh.edu.in	9730020673	19
Sivarethnamohan	mohan.dimat@gmail.com	7092236135	22
Avinash Babaso Kokare	abkokare@coe.sveri.ac.in	9766129169	21
Rupali Deepak Kulkarni	rdkulkarni21@kkwagh.edu.in	9011896681	22
SANDEEP ASHOK JADHAV	sajdeep9@gmail.com	9049469276	21
Zadbuke Shital Ravindra	honrao.ganesh86@gmail.com	9373632642	21
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