

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”**





# Report

## One Day Online Workshop on "Intellectual Property Rights & Patent Filing"

Date: - 30/06/201

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).

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

**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).

# One Day Online Workshop on

## “Intellectual Property Rights & Patent Filing”

The Schedule of the workshop was as follows:

| Date              | Time                   | Activity  |
|-------------------|------------------------|---|
| <b>30/06/2021</b> | 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  |
|                   |                        |   |

# One Day Online Workshop on

## “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

# "Intellectual Property Rights & Patent Filing"

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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”

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

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| JH | Jagadish Hallur            | 👤 |
| KC | Kachan Chouhan             | 👤 |
| MP | Madhuri Pawar              | 👤 |
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| AN | A_66_Shankar narale         | 👤 |
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| BL | B_16_Amruta Lokare          | 👤 |
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| BP | B_24_Vidya Patil            | 👤 |
| BP | B_26_Mehraj Pathan          | 👤 |
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| BS | B_63_Rahul Sutar            | 👤 |
| BT | Bhushankumar Thakare        | 👤 |
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| D  | Dhiraj                      | 👤 |
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# 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 Provisional Patent (Priority Date) | Search for Novelty & Inventive Step | File Complete Specification | File for Early Publication (OPTIONAL) | File for Request for Examination | Request First Examination Report & Reply | Grant of Patent |

Timeline markers:

- 0 Days: Idea
- 5-10 Days: File Provisional Patent
- After filing Provisional Patent: Search for Novelty & Inventive Step
- In 12 months of filing Provisional Patent: File Complete Specification
- In 18 months of filing Provisional Patent: File for Early Publication (OPTIONAL)
- In 40 months of filing Provisional Patent: File for Request for Examination
- In 12-24 months of issue of First Examination Report: Request First Examination Report & Reply
- In 18 months of issue of First Examination Report: Grant of Patent

Process flow:

- File PCT Appln → International Publication → International Search Report
- File corresponding applns in foreign countries (Within 18-19 months)
- Prosecute appln till grant

REC

Padmakar Kelkar's screen

**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

REC

**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**

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Dr. Prashanth Pawar's screen

Online Filing of Patents

Designs & Trademarks  
Controller General of Patents

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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  |
|---------|---------------------------------|--|-----------|
| 1       | Anil Arun Tekale                | SVERI's College of Engineering Pandharpur                              | Excellent |
| 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 Nanasahab         | Fabtech technical campus college of engineering and research sangola   | Average   |
| 10      | Shete Yogesh Shreekrushna       | FTC, COER, Sangola   | Excellent |
| 11      | Kapil Balasahab Jundale         | SVERI's COE PANDHARPUR, SOLAPUR.                                       | Excellent |
| 12      | Akshay Patil                    | Fabtech technical campus   | Excellent |
| 13      | Shrishail Prakash Swami         | SVERI's College of Engineering, Pandharpur                             | Excellent |
| 14      | Mr.Sarvadnya D. Ambare.         | SVERI'S COLLEGE OF ENGINEERING POLYTECHNIC, PANDHARPUR.                | Excellent |
| 15      | Ligade Satyajit Chandrakant     | Fabtech technical campus college of engineering and research sangola   | Good      |
| 16      | Dhanraj Dharmaraj Daphale       | SVERI's College of Engineering Pandharpur                              | Excellent |
| 17      | Mohua Biswas                    | SVERI's College of Engineering Pandharpur                              | Excellent |
| 18      | Swapnil Nagnath Mahajan         | MIT PUNE   | Good      |
| 19      | Mr. Samadhan Jalindar Shinde    | SVERI'S College of Engineering Pandharpur                              | Excellent |
| 20      | Ms. Viddulata Appasaheb Patil   | SVERI's college of engineering, Pandharpur                             | Excellent |
| 21      | Ankalgi Shruti Shivanand        | SVERI's College of engineering pandharpur                              | Excellent |
| 22      | Sachin Mahadev Khomane          | SVERI's College of Engineering, Pandharpur                             | Excellent |
| 23      | Mahesh Sudam Jadhav             | Johnson Controls   | Excellent |
| 24      | Rutuja Rajesh Jadhav            | SVERI'S College Of Engineering Pandharpur                              | Excellent |
| 25      | Anand Tatyaba Shelake           | SVERI's College Of Engineering Pandharpur                              | Excellent |
| 26      | Mr.Jagadish Sanganna Hallur     | SVERI'S COLLEGE OF ENGINEERING PANDHARPUR                              | Excellent |
| 27      | Sanskruiti Mane                 | SVERI'S College of Engineering Pandharpur                              | Excellent |
| 28      | Kharaje Balsagar Nanasahab      | SVERI college of engineering, Pandharpur                               | Good      |
| 29      | Rushikesh Bapurao Vathare       | Sveri college of engineering Pandharpur                                | Good      |
| 30      | Sayali Sudhir Maral             | Sveri's college of engineering Pandharpur                              | Excellent |
| 31      | Sneha Suresh Kadam              | SVERI'S college of engineering Pandharpur                              | Excellent |
| 32      | Badade Aniket Subhash           | Fabtech Technical Campus, College of Engineering and Research, Sangola | Good      |
| 33      | Mrs. Jyoti S. Shinde            | SVERI's COE, Pandharpur  | Excellent |
| 34      | Vidyarani Kshirsagar            | Vidyarani Kshirsagar   | Excellent |
| 35      | Snehal Vynkatesh Puranik        | SVERI's college of engineering pandharpur                              | Excellent |
| 36      | Satyajit Patangrao Patil        | SVERI'S college of engineering, Pandharpur.                            | Excellent |
| 37      | Ashwini Darling Mane            | SVERI college of Engineering Pandharpur                                | Excellent |
| 38      | Dr. V.RAJESH KUMAR              | SVERI'S College of Pharmacy  | Excellent |
| 39      | Mahesh Shivappa Yadrami         | SVERI's College of Engineering Pandharpur                              | Excellent |
| 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”

|    |                                   |  |           |
|----|-----------------------------------|--|-----------|
| 43 | Seema Ashok Atole                 | SVERI's COE,Pandharpur   | Excellent |
| 44 | Pawar Madhuri Keshav              | SVERI College of engineering,Pandharpur                              | Excellent |
| 45 | Devakate Vikram Arjun             | Fabtech technical campus college of engineering and research sangola | Good      |
| 46 | Reshma Rajendra Deshmukh          | SVERI's College of engineering Pandharpur                            | Excellent |
| 47 | Mr.Anil Mahadev Kasture           | SVERI College of Engineering, Pandharpur                             | Excellent |
| 48 | Hanumant Borate                   | VPKBIET Baramati   | Excellent |
| 49 | Patil Deogonda B                  | BIT BARSHI   | Good      |
| 50 | Nilesh Sanjay Kadam               | SVERI's College of Engineering Pandharpur                            | Excellent |
| 51 | Snehal Narayan Bhondave           | SVERI's college of engineering Pandharpur                            | Excellent |
| 52 | Amol Achyutrao Kadam              | SVERI'S College of Engineering Pandharpur                            | Excellent |
| 53 | Swapnil Lahu Vasekar              | SVERI'S COLLEGE OF ENGINEERING PANDHARPUR                            | Excellent |
| 54 | Vikram Ramdas Chavan              | SVERI's College of Engineering, Pandharpur                           | Excellent |
| 55 | Kolekar Dipali Dattatreya         | Fabtech technical campus college of engineering and research sangola | Good      |
| 56 | Kate Revati Gorakhnath            | Sveri's college of engineering pandharpur                            | Excellent |
| 57 | Avinash Kailas Parkhe             | SVERI's College of Engineering, Pandhrpur                            | Excellent |
| 58 | Asmitaelect@Gmail.Com             | A  | Excellent |
| 59 | Dattatray Nanaso Chougule         | Fabtech technical campus college of engineering and research sangola | Excellent |
| 60 | Karan Audambar Shinde             | SVERIS College of engineering Pandharpur                             | Excellent |
| 61 | Amol Bandu Chounde                | SVERI's College of Engineering, Pandharpur                           | Excellent |
| 62 | Sanskruti 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 | Prajakta Prasad Suryawanshi       | Sveris Clg Of Engineering Pandharpur                                 | Excellent |
| 67 | Kuldip 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                  | SVERIS 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                | SVERIS 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                | SVERIS 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 Irranna 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          | SVERI's 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                | SVERI's 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 Icharam 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 Ravsaheb 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 pandharpur  | 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           | SVERI's 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 Rajabhau 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 Satyawane         | 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:**

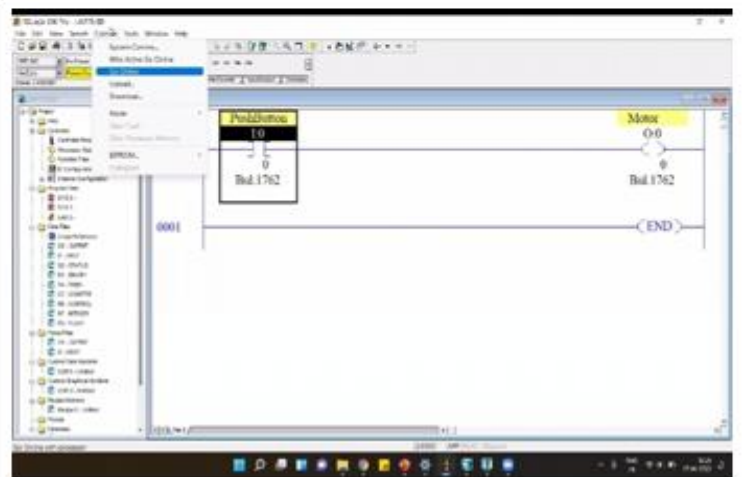
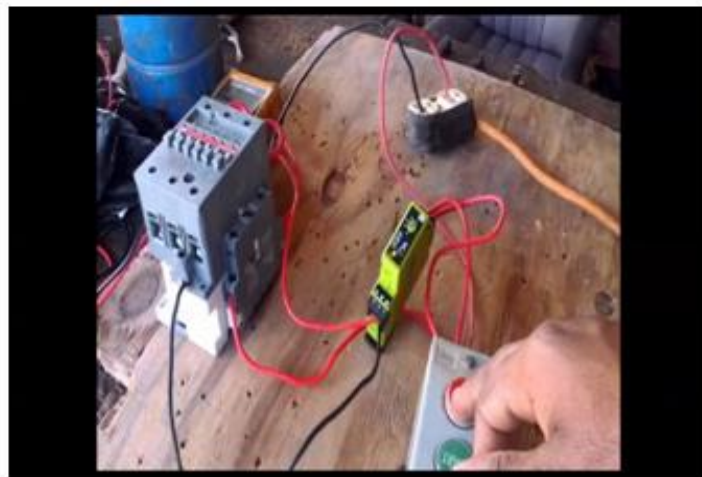
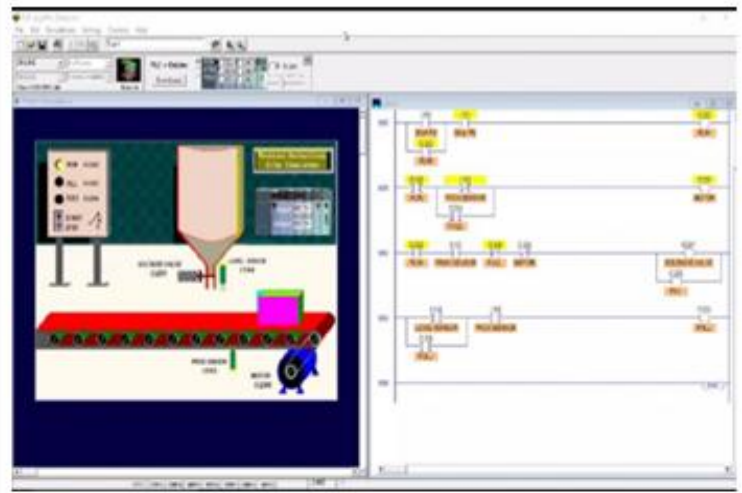
### **Meeting Link:**

<https://zoom.us/j/5670622869?pwd=RnZvNkM2YjIGTIQ3bGIKSvk1VW1UZz09>

### **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/Z8KVVXrqpU">https://youtu.be/Z8KVVXrqpU</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”



## Programmable Logic Controllers

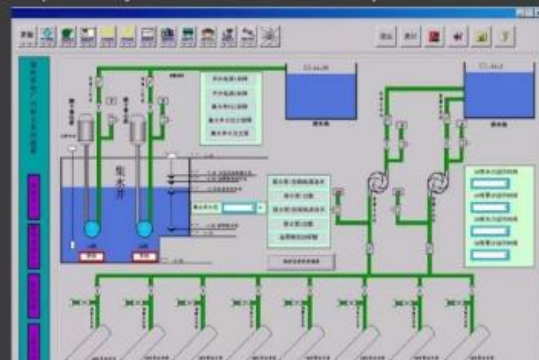
### PLC

- Sequential logic solver
- PID Calculations.
- Advanced Subroutines
- BIT Operations.
- Data Transfer.
- Text Handling.

THE INSTITUTE OF TECHNOLOGY

## What is SCADA? Zoom

### Supervisory Control And Data Acquisition



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# “Two Day’s Workshop on Industrial Automation”

Screenshot of Attendance:

v

The screenshot displays a Zoom meeting interface with the following elements:

- Close** button (top left)
- Participants (196)** title (top center)
- Search** bar (top right)
- Participant List:**
  - CV** C VEERESH (me) - Microphone and video icons are red with slashes.
  - ET** EE TY (Host) - Video icon is a red circle with a white dot; microphone and chat icons are red with slashes.
  - TC** TWOA\_Nayan Chaud... (Co-host) - Microphone icon is green; video and chat icons are red with slashes.
  - AT** Anil Tekale (Co-host) - Microphone and chat icons are red with slashes.
  - DR** Dr R M Patil (Co-host) - Microphone and chat icons are red with slashes.
  - TW** The Worlc of Automa... (Co-host) - Microphone and chat icons are red with slashes.
  - 2S** 28.Payal Salgare - Microphone and chat icons are red with slashes.
  - AF** A\_06\_Vaishnavi Farad - Microphone and chat icons are red with slashes.
  - AL** A\_12\_Dhanashree Lokhande - Microphone and chat icons are red with slashes.
  - AM** A\_14\_Vaishnavi Mandve - Microphone and chat icons are red with slashes.
  - AP** A\_19\_Saifa Patel - Microphone and chat icons are red with slashes.
- Invite** button (bottom left)
- Android navigation bar (bottom center)

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

12:06 PM   

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




|   |                               |   |
|---|-------------------------------|---|
|    | C_08_Pragati Mane             |       |
|    | EE_B Tech_16_Ashwini Mane     |       |
|    | EE_b.tech_08Pooja Dharme      |       |
|    | EE_B.Tech_13_Revati Gorak...  |       |
|    | EE_B.Tech_14_Ankita Naren...  |       |
|   | EE_B.Tech_17_Sanskruiti Ma... |     |
|  | EE_B.Tech_24_Kiran Rokade     |   |
|  | EE_B.Tech_33_Shubham Do...    |   |
|  | EE_B.Tech_40_Humbe Dipak      |   |
|  | EE_B.Tech_47_Sameer Koka...   |   |
|  | EE_B.Tech_49_Tushar Lade      |   |
|  | 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 Vitthal Education & Research Institute's  
**COLLEGE OF ENGINEERING, PANDHARPUR**



ISO 9001:2015



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

### 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.**  
**C. 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**



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**College of Engineering, Pandharpur**  
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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

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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<br>13/12/2021    | 10: 00 am to 01:00 pm | Inaugural Function<br>Identification of all supplied Items. |
|         |                         | 02: 00 am to 04:00 pm | Software Installation on PC 1                               |
| 2.      | Tuesday<br>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<br>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<br>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<br>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<br>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:**







GPS Map Camera



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





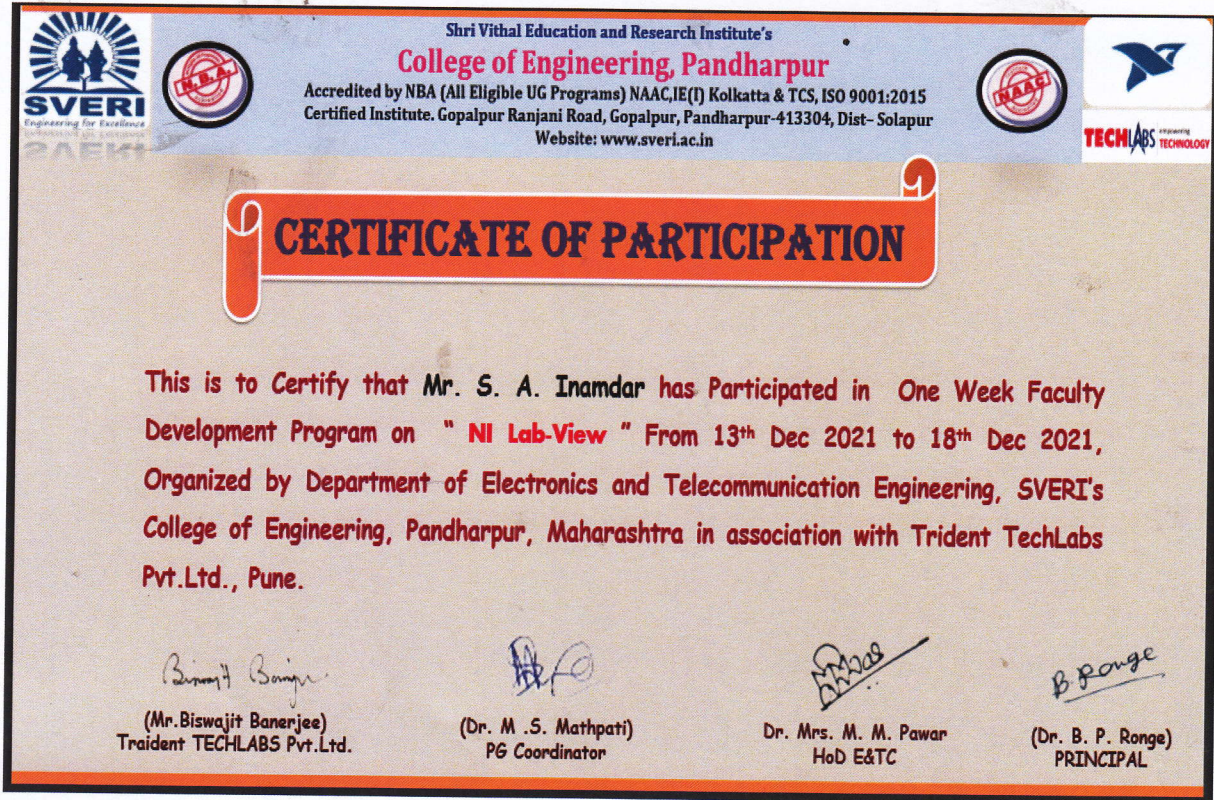


➤ **Glimpses of Valedictory Function:**





➤ **Sample copy of Certificate:**



➤ **Outcomes of FDP:**

1. **PO1: Engineering Knowledge:** Faculties/ Participants got knowledge about recent technology in communication.
2. **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.
3. **PO6: Engineers and Society:** Faculties/ Participants will design/develop different applications of advanced communication systems used for society.
4. **PO10: Communication:** Faculties/ Participants will design/develop solutions for advanced communication systems in the entire world.

  
Mr. Amol A. Kadam  
FDP Coordinator

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

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





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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**

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| 4.      | Thursday<br>16/12/2021  | 10: 00 am to 01:00 pm | Connecting sensor to myRIO                                  |
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FDP Coordinator

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**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**

| Sr.No | Name of Participant     | Designation         | Name of Institute                | Name Of Department | Mobile.No  | E-mail ID                   |
|-------|-------------------------|---------------------|----------------------------------|--------------------|------------|-----------------------------|
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| 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      |
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| 17    | Mr.Shrishail .P.Swami   | Assistant Professor | SVERI College of Engg Pandharpur | ENTC               | 8149272261 | spswami@coe.sveri.ac.in     |
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| 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 | rbpawar@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     |

  
Mr. A.A.Kadam  
FDP Coordinator

  
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HOD, E&TC Dept.

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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,

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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**

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**C. O. E. 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**

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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. 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<br>Dr. M S Mathpati<br>Dr. Mrs. M M Pawar<br>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<br>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<br>Mr. R B Pawar  | Collecting attendance of each session and Preparation of Feedback form and Quiz                     |
| 5.      | E-certificate distribution   | Mr. S A Inamdar<br>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.  
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: 13/12/2021

| Sr.No | Faculty Name / STUDENT | First Session  | Second Session |
|-------|------------------------|----------------|----------------|
| 1     | / Tejus S. Jashi       | Tjsh           | T.S.Jash       |
| 2     | /Suvendra D. Pufcar    | Suvendra       | Suvendra       |
| 3     | /Mohua Biswas          | Mbiswas        | Mbiswas        |
| 4     | /V.A.Patil             | V.A.Patil      | V.A.Patil      |
| 5     | Mr. J.S. Hallur        | J.S.Hallur     | J.S.Hallur     |
| 6     | Mr. A. A. Kadam        | A.A.Kadam      | A.A.Kadam      |
| 7     | Mr. R.M. Khadkikar     | R.M.Khadkikar  | R.M.Khadkikar  |
| 8     | S.D. Diware            | S.D.Diware     | S.D.Diware     |
| 9     | D. B. Dekare           | D.B.Dekare     | D.B.Dekare     |
| 10    | Roben K Chougule       | RKChougule     | RKChougule     |
| 11    | Anyimeshaor N Mhehe    | AMhehe         | AMhehe         |
| 12    | Amitesh Ankuab shinde  | Ashinde        | Ashinde        |
| 13    | Sandip. H. Khatke      | S.H.Khatke     | S.H.Khatke     |
| 14    | Dr. Jale Vaishnav      | J.Vaishnav     | J.Vaishnav     |
| 15    | Mr. S.A. Inamdar       | S.A.Inamdar    | S.A.Inamdar    |
| 16    | Mr. R.B Pawar          | R.B.Pawar      | R.B.Pawar      |
| 17    | Mr. C. Veeresh         | C.Veeresh      | C.Veeresh      |
| 18    | Mr. V.A. Sawant        | V.A.Sawant     | V.A.Sawant     |
| 19    | Mr. G.N. Shinde        | G.N.Shinde     | G.N.Shinde     |
| 20    | Mrs. J. V. Madare      | J.V.Madare     | J.V.Madare     |
| 21    | Mr. P.S. Valte         | P.S.Valte      | P.S.Valte      |
| 22    | Ms. S.S. Yadav         | S.S.Yadav      | S.S.Yadav      |
| 23    | Mr. R.V. Kale          | R.V.Kale       | R.V.Kale       |
| 24    | Mrs. N.T. madame       | N.T.madame     | N.T.madame     |
| 25    | M. D. Deshmukh         | M.D.Deshmukh   | M.D.Deshmukh   |
| 26    | M.N.P. Kulkarni        | M.N.P.Kulkarni | M.N.P.Kulkarni |
| 27    | S. M. Katre            | S.M.Katre      | S.M.Katre      |
| 28    | Mr. S.P. Swami         | S.P.Swami      | S.P.Swami      |
| 29    | Ms. S.A. Atole         | S.A.Atole      | S.A.Atole      |
| 30    | J.S. Shinde            | J.S.Shinde     | J.S.Shinde     |

  
 Co-Ordinator

  
 HOD  
 HEAD

Dept. of Electronics & Telecom. Engg.  
 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 : 14/12/21

| Sr.No | Faculty Name           | First Session | Second Session |
|-------|------------------------|---------------|----------------|
| 1     | Dr. Mahesh S. Mathpati | [Signature]   | [Signature]    |
| 2     | Mr. Rohit Khadkikar    | [Signature]   | [Signature]    |
| 3     | Mr. AKShay Anil Jadhav | [Signature]   | [Signature]    |
| 4     | Mr. Arno A. Kadam      | [Signature]   | [Signature]    |
| 5     | Ms. Seema A. Atole     | [Signature]   | [Signature]    |
| 6     | Ms. Sneha S Kadam.     | [Signature]   | [Signature]    |
| 7     | Ms. Mohua Biswas       | [Signature]   | [Signature]    |
| 8     | Ms. V.A. Patil         | [Signature]   | [Signature]    |
| 9     | Ms. T.S. Joshi         | [Signature]   | [Signature]    |
| 10    | Ms. S.D. Pujare        | [Signature]   | [Signature]    |
| 11    | Mr. J.S. Hallur        | [Signature]   | [Signature]    |
| 12    | Mr. S.A. Namdar        | [Signature]   | [Signature]    |
| 13    | Dr. Jale Vaishnav      | [Signature]   | [Signature]    |
| 14    | Saurabh D. Diwane      | [Signature]   | [Signature]    |
| 15    | Dhyaneshwar B. Dukare  | [Signature]   | [Signature]    |
| 16    | Rohan K Chougule       | [Signature]   | [Signature]    |
| 17    | Dhyaneshwar N. Mhetre  | [Signature]   | [Signature]    |
| 18    | Aniket Anshu Shinde    | [Signature]   | [Signature]    |
| 19    | Samdip Hemumant Khadke | [Signature]   | [Signature]    |
| 20    | Rohit Dandekar Misal   | [Signature]   | [Signature]    |
| 21    | S. M. Karve.           | [Signature]   | [Signature]    |
| 22    | V.J. Madane            | [Signature]   | [Signature]    |
| 23*   | Ms. Sneha S Kadam      | [Signature]   | [Signature]    |
| 24    | Ms. N.P. Kulkarni      | [Signature]   | [Signature]    |
| 25    | Mr. H.C. Bhaladav      | [Signature]   | [Signature]    |
| 26    | Mr. R.B. Pawar         | [Signature]   | [Signature]    |
| 27    | Mr. C. Veeresh         | [Signature]   | [Signature]    |
| 28    | Mr. V.A. Sawant        | [Signature]   | [Signature]    |
| 29    | Mr. G.N. Shinde        | [Signature]   | [Signature]    |
| 30    | Mr. J.V. Madane        | [Signature]   | [Signature]    |

- 31 Mr. P.S. Valte
- 32 Ms. S.S. Yadav  
Co-Ordinator
- 33 Mr. R.V. Kale
- 34 Mr. M.A. Rahmath
- 35 Mr. S.P. Swami

[Signatures for rows 31-35]  
HOD [Signature]

[Signature]

HEAU  
Dept of Electronics & Telecom. Engg.  
C O E Pandharour



**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. Mathpati    |               |                |
| 2     | / V.A. Patil         |               |                |
| 3     | / T.S. Joshi         | T.S. Joshi    | T.S. Joshi     |
| 4     | Mr. R.M. Khadkikar   |               |                |
| 5     | Mr. Hycen E. Bhalder |               |                |
| 6     | Mr. J.S. Hattar      |               |                |
| 7     | Mr. S.A. Inamdar     |               |                |
| 8     | Ms. S.M. Kanne       |               |                |
| 9     | / Mohua Biswas       | M Biswas      | M Biswas       |
| 10    | / S.A. Atole         |               |                |
| 11    | / Sneha S Kadam      |               |                |
| 12    | IN.P. Kulkarni       |               |                |
| 13    | N.S. Madam           |               |                |
| 14    | Mr. Ashay A. Jadhav  |               |                |
| 15    | Mr. A. N. Kadam      |               |                |
| 16    | Mr. R.B. Pawar       |               |                |
| 17    | Mr. C. Veerum        |               |                |
| 18    | Mr. V.A. Sawant      |               |                |
| 19    | Mr. G.N. Shinde      |               |                |
| 20    | Mr. J.V. Madore      |               |                |
| 21    | Ms. S.S. Yadav       |               |                |
| 22    | Mr. P.S. Valte       |               |                |
| 23    | Mr. R.V. Kale        |               |                |
| 24    | Mr. M.A. Deshmukh    |               |                |
| 25    | Mr. S.P. Swami       |               |                |
| 26    | / D.S.S. Shinde      |               |                |
| 27    | Dr. V.G. Scale       | Vaisnav       | Vaisnav        |
| 28    |                      |               |                |
| 29    |                      |               |                |
| 30    |                      |               |                |

Co-Ordinator

HOD   
HEAD

Dept. of Electronics & Telecom. Eng.  
P. 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: 16/12/2022

| Sr.No | Faculty Name        | First Session | Second Session |
|-------|---------------------|---------------|----------------|
| 1     | Vijay + madame      | [Signature]   | [Signature]    |
| 2     | Mr. Akshay A. Joshi | [Signature]   | [Signature]    |
| 3     | Mr. Anur A. Kadam   | [Signature]   | [Signature]    |
| 4     | Mr. V.A. Sawant     | [Signature]   | [Signature]    |
| 5     | Dr. M.S. Matkarti   | [Signature]   | [Signature]    |
| 6     | Mr. R.B. Pawar      | [Signature]   | [Signature]    |
| 7     | Mr. C. Veeruth      | [Signature]   | [Signature]    |
| 8     | Mr. G.N. Shinde     | [Signature]   | [Signature]    |
| 9     | Mrs. T.V. Madane    | [Signature]   | [Signature]    |
| 10    | Ms. S.S. Yadav      | [Signature]   | [Signature]    |
| 11    | Mr. P.S. Varte      | [Signature]   | [Signature]    |
| 12    | Mr. R.V. Kale       | [Signature]   | [Signature]    |
| 13    | Mr. M.A. Dshmutth   | [Signature]   | [Signature]    |
| 14    | Mr. J.P. Halbur     | [Signature]   | [Signature]    |
| 15    | Mr. S.A. Inamdar    | [Signature]   | [Signature]    |
| 16    | Mr. B. Inap         | [Signature]   | [Signature]    |
| 17    | Mr. T.S. Joshi      | [Signature]   | [Signature]    |
| 18    | Mr. N.P. Kulkarni   | [Signature]   | [Signature]    |
| 19    | S.M. Karve          | [Signature]   | [Signature]    |
| 20    | S.P. Swami          | [Signature]   | [Signature]    |
| 21    | Ms. S.A. Atole      | [Signature]   | [Signature]    |
| 22    | Ms. V.A. Patil      | [Signature]   | [Signature]    |
| 23    | Mr. S.S. Shinde     | [Signature]   | [Signature]    |
| 24    | Mr. R.M. Khadkikar  | [Signature]   | [Signature]    |
| 25    | Dr. V.G. Kale       | [Signature]   | [Signature]    |
| 26    |                     |               |                |
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[Signature]  
Co-Ordinator

[Signature]  
HOD

**HEAD**  
Dept. of Electronics & Telecom. Engg.  
P. 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 : 17/12/21

| Sr.No | Faculty Name         | First Session | Second Session |
|-------|----------------------|---------------|----------------|
| 1     |                      |               |                |
| 2     | Dr. M.S. Mathpati    |               |                |
| 3     | Mr. A. A. Kadam      |               |                |
| 4     | Mr. Akshay A. Jadhav |               |                |
| 5     | Mr. V. J. Madane     |               |                |
| 6     | Mr. C. Veeresh       |               |                |
| 7     | Mr. R. B. Pawar      |               |                |
| 8     | Mr. V. A. Sawant     |               |                |
| 9     | Mr. G. N. Shinde     |               |                |
| 10    | Mr. J. V. Madane     |               |                |
| 11    | Ms. S. S. Yadav      |               |                |
| 12    | Mr. Valte P. S.      |               |                |
| 13    | Mr. Kale R. V.       |               |                |
| 14    | Mr. M. A. Deshmukh   |               |                |
| 15    | Mr. J. S. Talbur     |               |                |
| 16    | Mr. S. A. Inamdar    |               |                |
| 17    | Ms. M. Biswal        |               |                |
| 18    | Ms. T. S. Joshi      |               |                |
| 19    | Ms. N. P. Kulkarni   |               |                |
| 20    | S. M. Karno.         |               |                |
| 21    | S. P. Swami          |               |                |
| 22    | Ms. S. A. Aole       |               |                |
| 23    | Ms. V. A. Patil      |               |                |
| 24    | Mr. S. S. Shinde     |               |                |
| 25    | Mr. R. M. Chaudhary  |               |                |
| 26    | Dr. V. G. Jale       |               |                |
| 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     | V.S. Madam           | <i>[Signature]</i> | <i>[Signature]</i> |
| 2     | S.M. Katre           | <i>[Signature]</i> | <i>[Signature]</i> |
| 3     | Mr. A. A. Kadam      | <i>[Signature]</i> | <i>[Signature]</i> |
| 4     | Mrs. J. V. Chaudhary | <i>[Signature]</i> | <i>[Signature]</i> |
| 5     | Mr. R. B. Pawar      | <i>[Signature]</i> | <i>[Signature]</i> |
| 6     | Ms. S. S. Yadav      | <i>[Signature]</i> | <i>[Signature]</i> |
| 7     | Mr. Valte P. S.      | <i>[Signature]</i> | <i>[Signature]</i> |
| 8     | Mr. Kale R. V.       | <i>[Signature]</i> | <i>[Signature]</i> |
| 9     | Mr. M. A. Deshmukh   | <i>[Signature]</i> | <i>[Signature]</i> |
| 10    | Mr. J. J. Halder     | <i>[Signature]</i> | <i>[Signature]</i> |
| 11    | Mr. S. A. Inamdar    | <i>[Signature]</i> | <i>[Signature]</i> |
| 12    | Mr. M. Biswas        | <i>[Signature]</i> | <i>[Signature]</i> |
| 13    | Ms. T. S. Joshi      | <i>[Signature]</i> | <i>[Signature]</i> |
| 14    | Mr. P. Kulkarni      | <i>[Signature]</i> | <i>[Signature]</i> |
| 15    | Ms. S. A. Atole      | <i>[Signature]</i> | <i>[Signature]</i> |
| 16    | Mr. V. A. Patil      | <i>[Signature]</i> | <i>[Signature]</i> |
| 17    | Mr. S. S. Jadhav     | <i>[Signature]</i> | <i>[Signature]</i> |
| 18    | Mr. R. M. Khadkikar  | <i>[Signature]</i> | <i>[Signature]</i> |
| 19    | Mr. V. G. Kale       | <i>[Signature]</i> | <i>[Signature]</i> |
| 20    | Mr. Anshu Jadhav     | <i>[Signature]</i> | <i>[Signature]</i> |
| 21    |                      |                    |                    |
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| 29    |                      |                    |                    |
| 30    |                      |                    |                    |

*[Signature]*  
Co Ordinator

*[Signature]*  
HOD  
**HEAD**

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





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



**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: msmathpati@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**

Date: 19.12. 2021

To

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. Engg.  
Pandharpur



Shri Vithal Education & Research Institute's

## COLLEGE OF ENGINEERING, PANDHARPUR



.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.

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.  
P. O. E. Pandharpur





Shri Vithal Education & Research Institute's

## COLLEGE OF ENGINEERING, PANDHARPUR



.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.

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.  
Q. E. Pandharpur





Shri Vithal Education & Research Institute's

**COLLEGE OF ENGINEERING, 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'S 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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**(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

  
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**(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 Shivappa yadrami
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: msyadrami@coe.sveri.ac.in

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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. Anil 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: amkasture@coe.sveri.ac.in

  
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Traident 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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(Mr. Biswajit Banerjee)  
Traident 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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(Dr. M .S. Mathpati)  
PG Coordinator

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

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(Dr. M .S. Mathpati)  
PG Coordinator

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

(Dr. B. P. Ronge)  
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# स्वेरी मध्ये फॅकल्टी डेव्हलपमेंट प्रोग्राम संपन्न

पंढरपूर : गोपाळपूर

ता.पंढरपूर) येथील श्री. विठ्ठल  
ज्युकेशन अँड रिसर्च इन्स्टिट्यूट  
चलित कॉलेज ऑफ  
जिनिअरिंग मधील इलेक्ट्रॉनिक्स  
अँड टेलिकम्युनिकेशन  
जिनिअरिंग मधील  
प्राध्यापकांसाठी 'एन.आय. लॅब  
व्ह' या विषयावर एक  
आठवडाभर फॅकल्टी डेव्हलपमेंट  
प्रोग्राम आयोजित करण्यात आला  
गता.

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 बिस्वजीत

बॅनर्जी यांनी 'एन.आय. लॅब व्हल  
विशेष मार्गदर्शन केले. तसेच  
संगणकावर सॉफ्टवेअर स्थापित  
करण्याबाबत माहिती दिली.  
'एन.आय.लॅब व्ह'चे प्रशिक्षण  
देऊन एलव्हीस, मायरिओची

प्रात्यक्षिके वेगवेगळ्या सेन्सरचा  
वापर करून दाखवली. स्वेरीचे  
संस्थापक सचिव तसेच कॉलेज  
ऑफ इंजिनिअरिंगचे प्राचार्य डॉ.  
बी.पी.रोंगे यांच्या मार्गदर्शनाखाली  
हा एक आठवड्याचा फॅकल्टी

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

सहभागी प्राध्यापकांना 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**





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## 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.

  
**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**



➤ **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/k3AvjG94gRRtCxtw8>

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**



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**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 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. Chavan (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)**

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

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

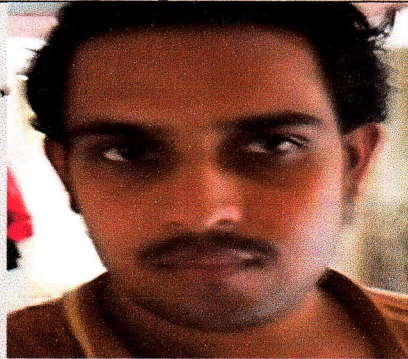


➤ **Schedule of FDP:**

| Sr. No. | Day & Date              | Time                  | Session  |
|---------|-------------------------|-----------------------|--|
| 1.      | Monday<br>31/01/2022    | 10: 00 am to 01:00 pm | Inaugural Function<br>Introduction to 4G/5G and LTE        |
|         |                         | 02: 00 am to 04:00 pm | Case Study-Network Orientation Program @NKN, Center        |
| 2.      | Wednesday<br>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<br>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<br>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<br>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<br>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:**

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



**Qualification:**

- PHD 2020- Indian Institute of Technology, Hyderabad
- M. Tech (Electrical, Electronics and Communications Engineering) 2014-SGGSIET, Nanded.
- BE(E&TC) 2011-Konkan Gyanpeeth college of Engineering

**Experience:**

- R&D Manager, Qualcomm, Hyderabad  
Jul 2020 - Present (1 year 8 months +)

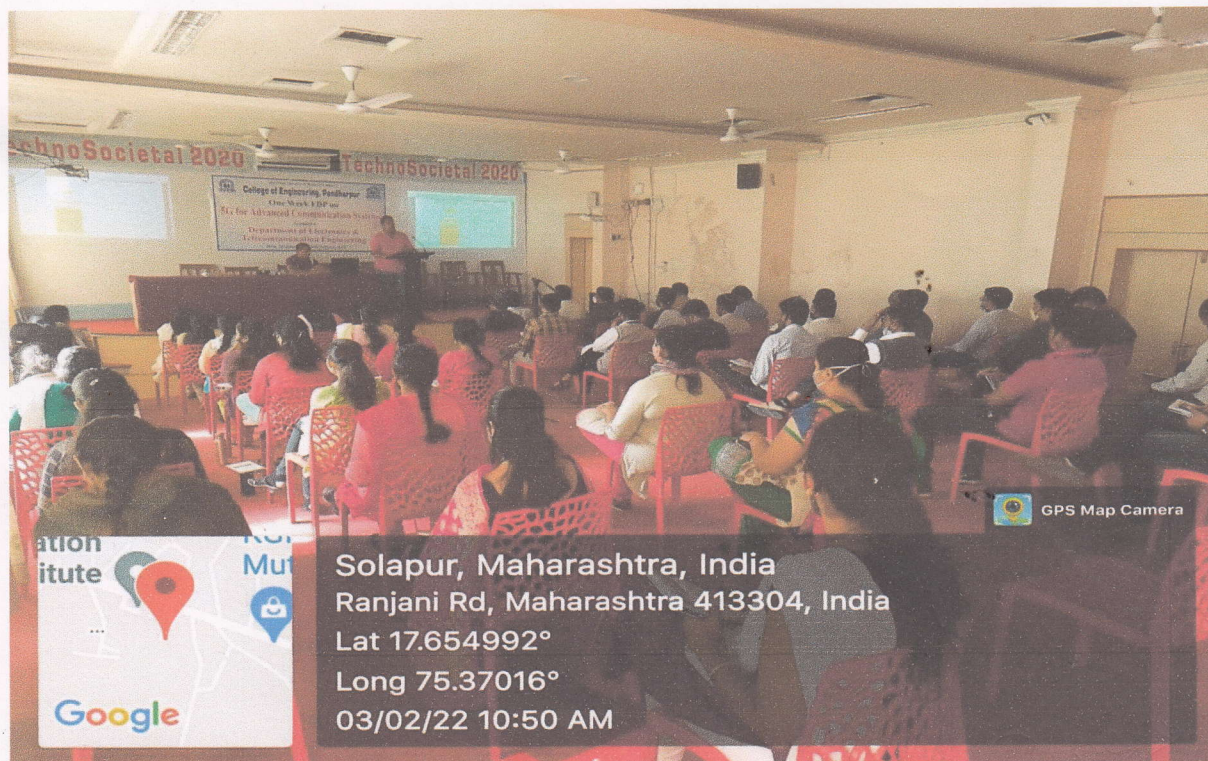
*[Handwritten Signature]*  
**HEAD**

**Dept. of Electronics & Telecom. Engg.**  
**Q. E. Pandharour**

*[Handwritten Signature]*  
**Mr. S. P. Swami**



➤ Glimpses of FDP Sessions:

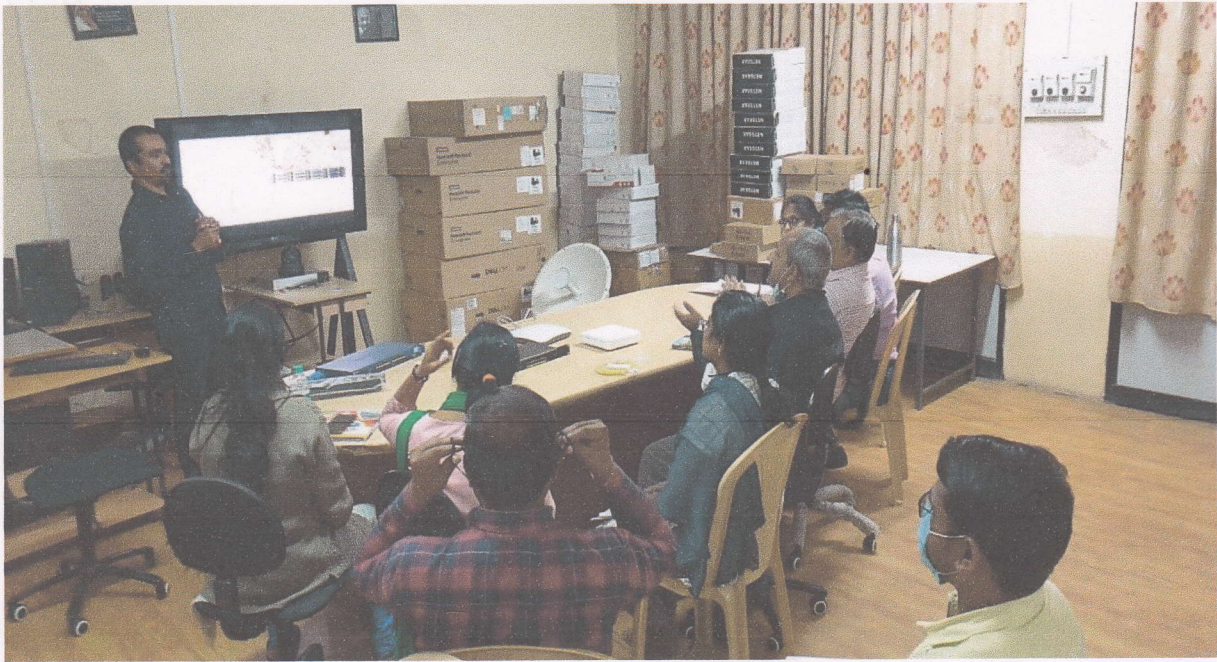


*Swami*  
Mr. S. P. Swami

*[Signature]*  
**HEAD**  
Dept. of Electronics & Telecom. Engg.  
C. E. Pandharpur



➤ Case Study: Network Orientation Program @NKN Center:



*Butni*  
Mr. S. P. Swami

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



➤ Glimpses of Valedictory Function:



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

*S. P. Swami*  
HEAD  
Dept. of Electronics & Telecom. Engg.  
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➤ **Sample copy of Certificate:**

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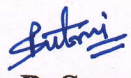
 **CERTIFICATE OF PARTICIPATION** 


This is to Certify that Dr. Mrs. Meenakshi M. Pawar has  
Participated in one week faculty Development Program on "5G for Advanced Communication Systems"  
From 31<sup>st</sup> Jan.2022 to 6<sup>th</sup> Feb.2022, Organized by Department of Electronics and Telecommunication  
Engineering, SVRI's College of Engineering, Pandharpur.

|  |  |  |  |
|--|--|--|--|
| <br><b>Mr. S.P. Swami</b><br>FDP Co-ordinator | <br><b>Dr. Sandip Dhavane</b><br>R&D Manager, Qualcomm, Hyderabad | <br><b>Dr. M. M. Pawar</b><br>Head, E&TC Engg. Dept. | <br><b>Dr. B. P. Ronge</b><br>Principal |
|--|--|--|--|

➤ **Outcomes of FDP:**

1. **PO1: Engineering Knowledge:** Faculties/ Participants got knowledge about recent technology in communication 4G & 5G.
2. **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.
3. **PO6: Engineers and Society:** Faculties/ Participants will design/develop different applications of advanced communication systems used for society.
4. **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. Enge  
C. Q. 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 Administration), 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; IEL, 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 Pnyashlok 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, [padhawale@coe.sveri.ac.in](mailto:padhawale@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. Chavan**      **Prof. K. S. Pukale**



One Week Online STTP

On

**“Emerging Trends in Thermal Engineering”**

Organized by

**Department of Mechanical Engineering**

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

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

### 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 HAVC  |
|         |               | 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

  
(Dr. S. S. Wangikar)

# स्वेरीमध्ये मेकॅनिकल इंजिनिअरिंग विभाग व ऍश्रे चॅप्टर, पुणे यांच्या संयुक्त विद्यमाने कार्यशाळेचे आयोजन



पंढरपूर/प्रतिनिधी :  
कोरोना महामारीमधील लॉकडाऊनच्या कालावधीमध्ये स्वेरीज कॉलेज ऑफ इंजिनिअरिंग, पंढरपूर मधील मेकॅनिकल इंजिनिअरिंग विभाग व अमेरिकन सोसायटी फोर रेफ्रिजरेशन अँड एअर कंडिशनिंग, पुणे विभाग यांच्या संयुक्त विद्यमाने दि. १४ जून ते १९ जून २०२१ दरम्यान एमर्जिंग ट्रेंड्स इन थर्मल इंजिनिअरिंग या विषयावर आठवडाभर मोफत ऑनलाइन 'शॉर्ट टर्म ट्रेनिंग प्रोग्राम' चे आयोजन केले असल्याची माहिती स्वेरीचे संस्थापक सचिव व अभियांत्रिकी महाविद्यालयाचे प्राचार्य डॉ. बी. पी. रेंगे दिली. जगभरातील तंत्रज्ञानाच्या बदलत्या

प्रवाहानुसार आपल्या महाविद्यालयातील प्राध्यापक वर्ग देखील अद्ययावत असणे अत्यंत गरजेचे असते. येत्या दशकामध्ये 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. के.के.घोष, डॉ. ए. बी.कणसे-पाटील, डॉ. सुकुमार पती, डॉ.बी.पी. पटनाईक, डॉ. के. ए. सोरटे, डॉ. एस. डी. पाटील, डॉ. ए. बी. उबाळे, प्रा. एस. जी. पवार व प्रा. एन. टी. व्हेकगे या तज्ञांचे बहुमोल मार्गदर्शन लाभणार आहे. या कार्यशाळेमध्ये देशभरातून विविध राज्यातील

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

सदर कार्यशाळा ही दररोज चार तास असून गुगल मीट प द्वारे ऑनलाईन स्वरूपात घेण्यात येणार आहे. स्वेरीचे संस्थापक सचिव व अभियांत्रिकी महाविद्यालयाचे प्राचार्य डॉ. बी. पी. रेंगे यांच्या मार्गदर्शनाखाली ऑनलाईन कार्यशाळा यशस्वी करण्यासाठी कार्यशाळेचे निमंत्रक व मेकॅनिकल इंजिनिअरिंग चे विभागप्रमुख डॉ. संदीप वांगीकर यांच्या नेतृत्वाखाली डॉ. प्रवीण ढवळे, ऍश्रे पुणे चॅप्टरचे महाविद्यालयीन प्रमुख प्रा. दिम्बिजय रेंगे, प्रा. सचिन काळे, प्रा. दिगंबर काशीद, प्रा. विक्रम चव्हाण, प्रा. कुलदीप पुकाळे, प्रा. शशिकान्त जाधव व प्रा. मिलिंद वुल्लकर्णी आदी कार्यशाळेचे समन्वयक म्हणून काम पाहत आहेत. तांत्रिक व्यवस्थापन श्री. बालाजी सुरवसे, दत्तात्रय गायकवाड हे पाहणार आहेत तसेच मेकॅनिकल 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)



Shri Vitthal 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

**DAY 1:  
e-Session-I**

**Keynote Speaker**



**Dr. A. B. Kanase-Patil**  
 Associate Professor,  
 STES, Sinhgad College of Engg,  
 Vadgaon (BK), Pune

Date:- 14<sup>th</sup> June, 2021    Time:- 10:00 am to 12:00 noon

Shri Vitthal 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

**DAY 1:  
e-Session II**

**Resource Person**



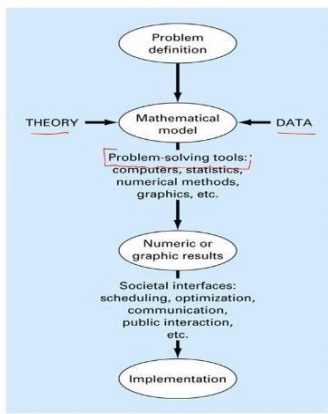
**Dr. Suhas Deshmukh**  
 Associate Professor,  
 Government College of Engineering,  
 Karad

Date:- 14<sup>th</sup> June, 2021    Time:- 3:00 pm to 5:00 pm

meet.google.com/vrs-xknw-fof

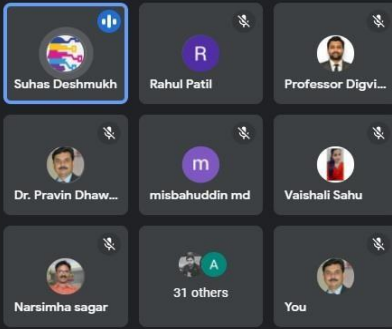
REC Suhas Deshmukh is presenting

Engineering Problem Solving



```

graph TD
    A([Problem definition]) --> B([Mathematical model])
    C([Implementation]) --> B
    D[THEORY] --> B
    E[DATA] --> B
    B --> F[Problem-solving tools:  
computers, statistics,  
numerical methods,  
graphics, etc.]
    F --> G([Numeric or graphic results])
    G --> H[Societal interfaces:  
scheduling, optimization,  
communication,  
public interaction,  
etc.]
    H --> C
          
```



3:33 PM | vrs-xknw-fof

Windows taskbar: Type here to search, 03:33 PM 14-06-2021

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

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

REC Suhas Deshmukh is presenting Press Esc to exit full screen

## Heat Equation

• Finite-difference

**Forward-difference**  $T_i = \frac{1}{\Delta t} (T_i^{l+1} - T_i^l)$

**Central-difference at time level j**  $kT_{xx} = \frac{k}{\Delta x^2} (T_{i+1}^l - 2T_i^l + T_{i-1}^l)$

People: Mute all, Add people, Host controls

IN CALL:

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

SARAN KUMAR S R has left the meeting

Suhas Deshmukh, Professor Digvijay, Sushant Navale, DEEPAK TIWARI, 17 others, You

vrs-xknw-fof

Shri Vitthal 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 Vitthal 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. PATTANAİK**  
 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

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



1:30 AM | vrs-xknw-fof

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

$\sigma = \frac{\tau_i - \tau_r}{\tau_i + \tau_w}$  : tangential momentum  
 (Tangential momentum accommodation coefficient)  
 $\tau_i$  : incident  
 $\tau_r$  : reflected  
 $\tau_w$  : wall

$$U_x = \frac{1}{2}U_0 + \frac{1}{2}(1-\sigma)U_0 + \sigma U_w$$

from top layer      specular      diffuse

$\sigma(U_x - U_w) = 2\lambda \frac{dU}{dn} \Big|_w$       Add term in presence of temp grad

Eliminating  $U_x$ , it follows:

$$U_w = U_0 + \frac{2-\sigma}{\sigma} \lambda \frac{dU}{dn} \Big|_w = \frac{2-\sigma}{\sigma} \lambda \frac{dU}{dn} \Big|_w$$

National Institute of Technology Silchar, India - 788010

10:30 AM | vrs-xknw-fof

10:08 AM | vrs-xknw-fof

### Principal KMBB BBSR is presenting

**KMBB**  
 College of Engineering & Technology

**One Week Online STTP on**  
**Emerging Trends in Thermal Engineering**  
 (14<sup>th</sup> – 19<sup>th</sup> 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 BPUP Odisha)

4/19/2021

Principal KMBB BBSR

Mute all   Add people   Host controls

IN CALL

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

10:08 AM | vrs-xknw-fof

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

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

About this call

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 Bhosa...
- 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 Vithhalrao 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-Mechanical Engineering 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**

|   |  |   |
|---|--|---|
|  | <p><b>AICTE-ISTE INDUCTION<br/>/REFRESHER PROGRAMMES-2021-22</b></p> <p>Organized by<br/><b>SVERI's COLLEGE OF ENGINEERIGN, PANDHARPUR</b></p> |  |
|---|--|---|



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

*Recent Advances in Materials Science and Engineering*

**(18 - 24 January 2022)**

*Program Schedule*

| Day & Date                     | 10:00 to 11:30 am  | 11:45 to 01:15pm   | 02:15 to 03:45pm  |
|--------------------------------|--|--|---|
| <b>Tuesday</b><br>18.01.2022   | <b>Registration &amp; Inauguration</b><br>1. <b>Dr. Pratapsingh Desai</b><br>President(ISTE), New Delhi<br>2. <b>Col. B. Venkat</b><br>Director FDP Cell AICTE<br>3. <b>Prof. Dr. B. P. Ronge</b><br>Principal, SVERI COE-Pandharpur | <b>Dr. Sharad Vhanalkar</b><br>(Turki)   | <b>Dr. D. G. Thakur</b><br>(Defence Institute of Advanced<br>Technology, Pune)  |
| <b>Wednesday</b><br>19.01.2022 | <b>Prof. V. Sudarshan</b><br>(BARC Mumbai)   | <b>Dr. Prashant Patil</b><br>(The New College, Kolhapur)   | <b>Dr. Rajeshkumar Hyam</b><br>(Goa University)   |
| <b>Thursday</b><br>20.01.2022  | <b>Dr. Mrs. Shaila Subbaraman</b><br>(Retd. Dean Academics of<br>autonomous Walchand College of<br>Engineering, Sangli)  | <b>Prof. Prakash Salunkhe</b><br>(Art of Linving Teacher)<br>Stress Management Session                     | <b>Dr. Yogesh Shrivastava</b><br>(Industrial Expert )   |
| <b>Friday</b><br>21.01.2022    | <b>Dr. S. M. Pawar</b><br>(Sanjay Godawat University,<br>Kolhapur)   | <b>Dr. Amitava Ray</b><br>(Principal, Jalpaiguri Government<br>Engineering College, West Bengal,<br>India) | <b>Dr. Sumit Bhowmik</b><br>(NIIT, Silchar)   |
| <b>Saturday</b><br>22.01.2022  | <b>Prof. V. Natarajan</b><br>(BARC Mumbai)   | <b>Prof. S. N. Acharya</b><br>(BARC Mumbai)  | <b>Prof. R. S. Pawade</b><br>(BATU, Lonere)   |
| <b>Monday</b><br>24.01.2022    | <b>Dr. Dipak R. Unune</b><br>(The LNM Institute of Information<br>Technology, Jaipur, India)   | <b>Dr. Jamil Akhtar</b><br>(Manipal University Jaipur)   | <b>Evaluation &amp; Valediction</b><br>1. <b>Prof. V. D. Vaidya</b><br>(Executive Secretary, ISTE)<br>2. <b>Prof. Dr. B. P. Ronge</b><br>(Principal, SVERI COE-Pandharpur)<br>3. <b>Dr. Prashat Pawar</b><br>(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 NITTT (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<br>Chapter:-06 |
| Session Link                | <a href="https://drive.google.com/file/d/1O1vftedboSifW020vNSKa9ghBI62fObF/view?usp=sharing">https://drive.google.com/file/d/1O1vftedboSifW020vNSKa9ghBI62fObF/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<br>Director, Centre for Training & Placement  |                  |  |
| Research Area               | Fabrication, Characterization and Processing of Composite Materials.<br>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/1oYJi5xqQ6mjX0KQwKErrbAUhEdB5sTcl/view?usp=sharing">https://drive.google.com/file/d/1oYJi5xqQ6mjX0KQwKErrbAUhEdB5sTcl/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<br>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 | <b>Dr. Prashant B. Patil (Ph.D. IIT Bombay)</b>   |                 |                  |
| 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)<br>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<br>Nano materials for energy conversion and storage devices<br>Synthesis Methods Physical: Pulsed laser deposition, Magnetron sputtering, Vacuum evaporation |                 |
| No. of Publications         | National/<br>International<br>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<br>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/<br>International<br>Journals:- 62   | Conference:- 06 | Books:-03<br>Chapter:-12 |
| Session Link                | <a href="https://drive.google.com/file/d/1C1KbK2L-QqUKg9q6WlaNji9caiBqBz0z/view?usp=sharing">https://drive.google.com/file/d/1C1KbK2L-QqUKg9q6WlaNji9caiBqBz0z/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).<br>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/1osfuxQ0Atx3nQ9NxA5sl2CKVLHmi-9M/view?usp=sharing">https://drive.google.com/file/d/1osfuxQ0Atx3nQ9NxA5sl2CKVLHmi-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,<br>B. A. R. C. Mumbai   |
| Research Area               | XRD, Material Characterisation 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).<br>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<br>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/<br>International<br>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.<br>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 स्वेरीज् कॉलेज ऑफ इंजिनिअरिंग मधील प्रथम वर्ष इंजिनिअरिंग विभागाला एआयसीटीई -आयएसटीई कडून इंडक्शन प्रोग्राम करिता मान्यता मिळाली होती. त्यानुसार प्रथम वर्ष इंजिनिअरिंग विभागाच्या वतीने ‘रिसेंट

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



अॅडव्हान्सेस 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 प्रचंड प्रतिसाद मिळाला.

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

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 अख्तर या सोळा संशोधकांनी मार्गदर्शन केले. समारोप सत्रामध्ये आयएसटीईचे कार्यकारी सचिव प्रा. व्ही.डी. वैद्य यांनी या ‘इंडक्शन प्रोग्राम’ 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 एआयसीटीई-आयएसटीई इंडक्शन प्रोग्राम संपन्न

**पंढरपूर:** गोपाळपूर (ता. पंढरपूर) येथील स्वेरीज् कॉलेज ऑफ इंजिनिअरिंग मधील प्रथम वर्ष इंजिनिअरिंग विभागाला एआयसीटीई आयएसटीई कडून इंडक्शन प्रोग्राम करिता मान्यता मिळाली होती. त्यानुसार प्रथम वर्ष इंजिनिअरिंग विभागाच्या वतीने ‘रिसेंट अॅडव्हान्सेस 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 प्रचंड प्रतिसाद मिळाला.

या इंडक्शन प्रोग्रामचे उदघाटन आयएसटीईचे राष्ट्रीय अध्यक्ष डॉ.प्रतापसिंह देसाई, आयएसटीई एफडीपी सेलचे संचालक डॉ. कर्नल व्यंकट व संस्थेचे संस्थापक सचिव व कॉलेज ऑफ 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 अख्तर या सोळा संशोधकांनी मार्गदर्शन केले.

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



अशा इंडक्शन प्रोग्राम ची अत्यंत आवश्यकता आहे.’ असे प्रतिपादन केले. समारोप सत्राचे अध्यक्षस्थान संस्थेचे शैक्षणिक अधिष्ठाता डॉ. प्रशांत पवार यांनी भूषविले. हा ‘इंडक्शन प्रोग्राम’ यशस्वी करण्यासाठी प्रथम वर्षाचे विभागप्रमुख व प्रोग्राम समन्वयक डॉ.सतीश लेंडवे, प्रा.अमोल चौंडे, डॉ.संताजी पवार, डॉ.रंगनाथ हरिदास व इतर प्राध्यापकांनी प्रयत्न केले.



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

पंढरपूर

श्री विद्युत अभियंतीची महाविद्यालयान्वीत प्रथम वर्ष इंजिनिअरिंग विभागाच्या वतीने ‘रिसेंट एअरान्सेस इन मटेरिअल सायन्स अँड इंजिनिअरिंग’ या विषयावर दिनांक १८ ते २४ जानेवारी दरम्यान राष्ट्रीय इंडक्शन प्रोग्राममध्ये अर्वांगण चालवण्यात आले. हा संपूर्ण प्रोग्राम आठवडाभर ऑनलाइन स्वरूपात घेतला गेला असून या उपक्रमास प्रवंचक प्रोफेसर प्रकाश साळुंखे यांनी मार्गदर्शन केले.

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

या इंडक्शन प्रोग्राममध्ये हेतुमत्त अनेक प्राध्यापक, संशोधक व विद्यार्थी यांनी सहभाग घेतला. या इंडक्शन प्रोग्राम मध्ये डॉ.शरद वन्हाळकर, डॉ. डी.जी.ठाकूर, प्रा. व्ही सुदर्शन, डॉ. प्रशांत पाटील,



डॉ. राजेशकुमार ह्याम, डॉ. शैल 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 अख्तर या सौळा संशोधकांनी मार्गदर्शन केले. समारोप सत्रामध्ये आयएसटीईचे सचिव प्रा. व्ही.डी. वैद्य यांनी या ‘इंडक्शन प्रोग्राम’चा उद्देशानुसार स्वरेचे कौतुक केले. समवेतच्या उद्घाटनाने डॉ. प्रशांत पवार यांनी म्हणले. हा ‘इंडक्शन प्रोग्राम’ यशस्वी चालवण्यासाठी प्रथम वर्षाचे विद्यार्थ्यांस व प्रोग्राम समन्वयक डॉ. सतीश लेंडवे, प्रा. अमोल चौडे, डॉ. संताजी पवार, डॉ. रंगनाथ हरिदास व इतर प्राध्यापकांनी सहभाग घेतला.

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

पंढरपूर, प्रतिनिधी

येथील स्वेरीज कॉलेज ऑफ इंजिनिअरिंग मधील प्रथम वर्ष इंजिनिअरिंग विभागाला एआयसीटीई-आयएसटीई कडून 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 प्रवंचक प्रोफेसर प्रकाश साळुंखे यांनी मार्गदर्शन केले.

या इंडक्शन प्रोग्रामचे उद्घाटन आयएसटीईचे राष्ट्रीय अध्यक्ष डॉ.



प्रतापसिंह देसाई, आयएसटीई एफडीपी सेलचे संचालक डॉ. कर्नल व्यंकट व संस्थेचे संस्थापक सचिव व कॉलेज ऑफ 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. शैल 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 अख्तर या सौळा संशोधकांनी मार्गदर्शन केले. समारोप सत्रामध्ये आयएसटीईचे कार्यकारी सचिव प्रा. व्ही.डी. वैद्य यांनी या ‘इंडक्शन प्रोग्राम’च्या आयोजनाबद्दल स्वरेचे कौतुक केले व येणाऱ्या काळात विद्यार्थ्यांसाठी

आवश्यक असे ज्ञान देण्यासाठी अशा इंडक्शन प्रोग्रामची अत्यंत आवश्यकता आहे. असे प्रतिपादन केले. समारोप सत्राचे अध्यक्षस्थान संस्थेचे शैक्षणिक अधिष्ठाता डॉ. प्रशांत पवार यांनी भूषविले. अध्यक्ष स्थानावरून बोलताना डॉ. पवार यांनी ‘समाजोपयोगी संशोधनासाठी अशा पद्धतीचे इंडक्शन प्रोग्राम हे नाव संशोधकांना पथदर्शी ठरतात.’ असे सांगून संयोजन समितीच्या प्रयत्नांचे कौतुक केले. हा ‘इंडक्शन प्रोग्राम’ यशस्वी करण्यासाठी प्रथम वर्षाचे विभागप्रमुख व प्रोग्राम समन्वयक डॉ. सतीश लेंडवे, प्रा. अमोल चौडे, डॉ. संताजी पवार, डॉ. रंगनाथ हरिदास व इतर प्राध्यापकांनी प्रयत्न केले. आठवडाभर चाललेल्या या प्रोग्राम मध्ये तब्बल १०० संशोधक, विद्यार्थी व प्राध्यापकांनी सहभाग घेतला.

## Utilization Certificate

### UTILIZATION CERTIFICATE

Name of the Scheme under which Grant was sanctioned 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 Abhanga 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<br>Date: 20 September, 2021              | 93,000/-     | Certified that out of the grant-in-aid of Rs. <b>93,000/-</b> (Rs. <b>Ninety Three Thousand Only</b> ) sanctioned by the AICTE-ISTE during the financial year <b>2021-22</b> 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 <b>Rs.93,000/-</b> 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**

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

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

  
 (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)

  
 (Dr. B. P. Ronge)  
 PRINCIPAL  
**Signature of Head of the Institute**  
 Name & designation of the Head of Institute  
 Rubber Stamp  
 Full Address  
 Date :



UDIN - 22113808ABIVJZ1644



## 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<br>Date: 20 September, 2021 | 93,000/-               | 1. Honorarium to Course Coordinator   | 5,000/-                     | 100                 | 18 <sup>th</sup> - 24 <sup>th</sup> January, 2022 |
|   |                        | 2. Honorarium to Resource Persons/ Experts  | 76,000/-                    |                     |   |
|   |                        | 3. Honorarium to Lab Attendant  | 3,000/-                     |                     |   |
|   |                        | 4. Miscellaneous charges (reprographic services, services, postage, transport daily wages, tea/coffee, stationery etc.) | 9,000/-                     |                     |   |
|   |                        | <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/-                    |                     |   |

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

(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. Naulwar & Co.  
 Rubber Stamp CHARTERED ACCOUNTANTS  
 Full address  
 Date: Ankush P. Naulwar  
 PROPRIETOR  
 (Membership No. 113507)

B. Ronge  
 (Dr. B. P. Ronge)  
 PRINCIPAL  
**Signature of Head of the Institute**  
 Name & designation of the Head of Institute  
 Rubber Stamp  
 Full Address  
 Date:



Note : If it is more than one page, each page must be signed in all Annexures.

UDIN - 22113808ABIUJ21644

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

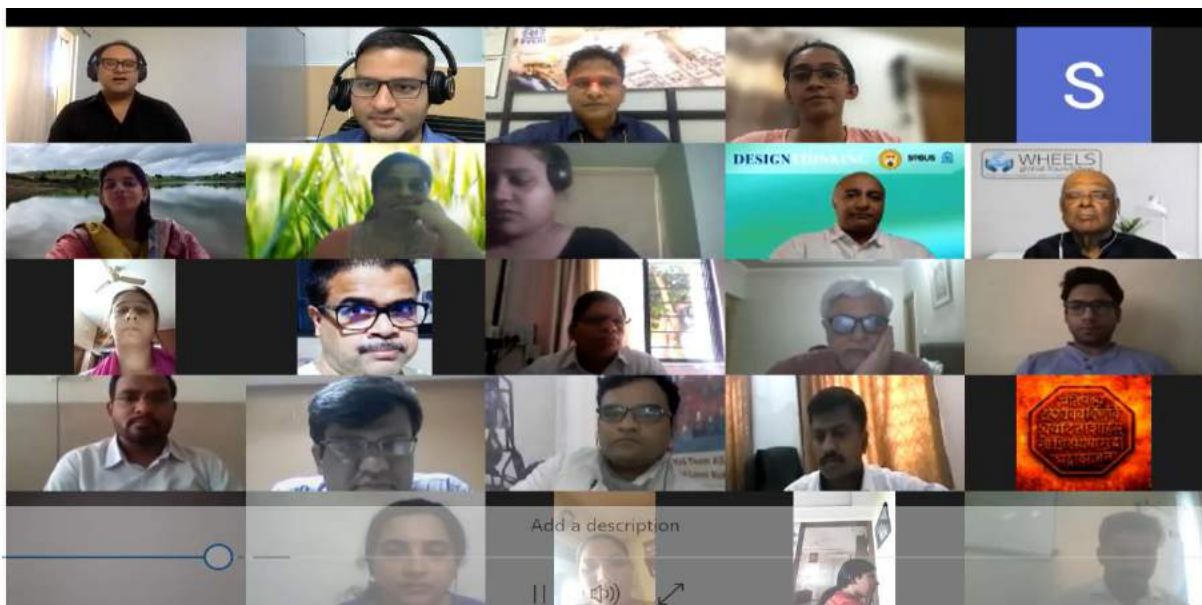
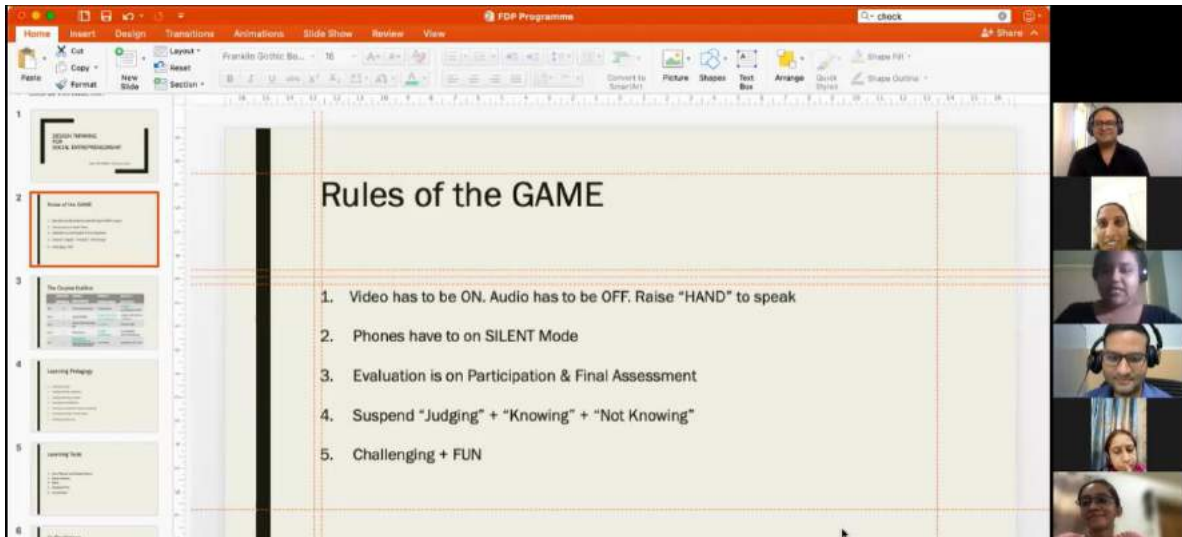
### Day 1-Session 1

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.

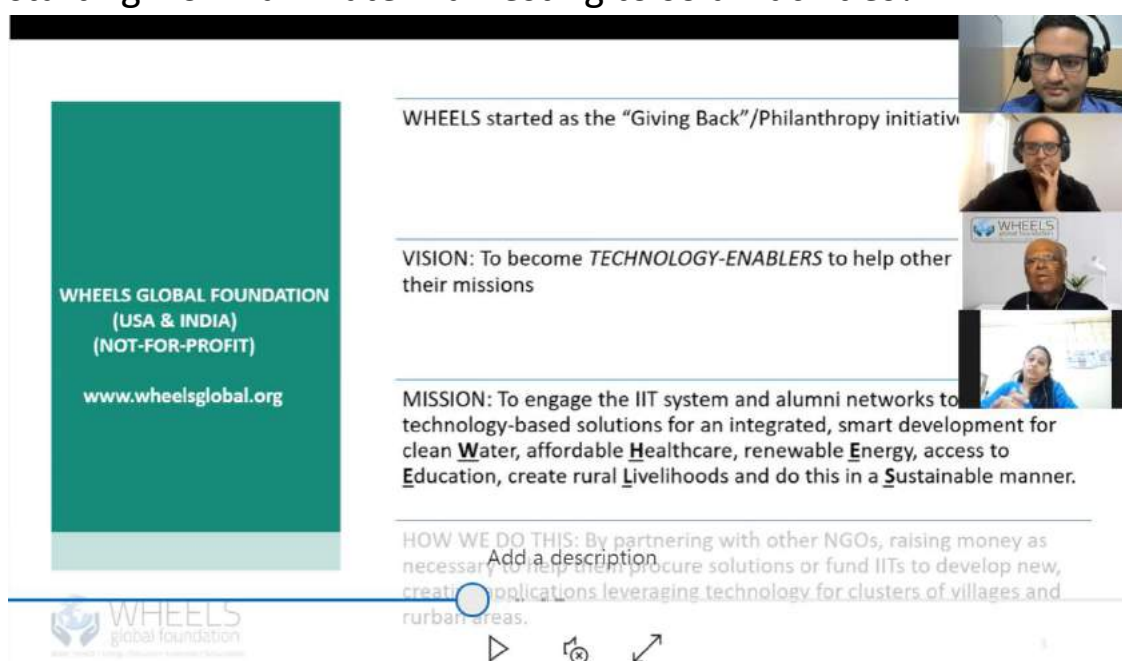


The session continued with an inspiring talk by Mr. Indrajit Chatterjee, Board Member of Wheels Global Foundation, on Social Innovation in the Rural Context- the SMART Village Program. The talk concept of a SMART or strength, measurable, achievable, replicable, technology, village inspired many participants 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 **W**ater, affordable **H**ealthcare, renewable **E**nergy, access to **E**ducation, create rural **L**ivelihoods and do this in a **S**ustainable 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 urban areas.

WHEELS global foundation

Add a description

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.

Recording

**SOBUS**

## Social Business – Only Sustainable Option

1 **PROFIT**  
Economic Value

2 **Planet**  
Environmental Value

3 **People**  
Social Value

**SOCIAL BUSINESS**

*“In a free enterprise, the community is not just another stakeholder in business but is in fact the very purpose of its existence.”*  
– Jansetji Tata

Click to join audio

There's enough on this planet for everyone's needs but not for everyone's greed.

SOBUS Insight Forum

## 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.

SOBUS

Members

Swastha Srinis

Girish Sampath

Deepthi Menon

Anitha Bai T

Digvijay Chouthan



Back to Network

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About

Topics

Events **LIVE**

CHAT

FDP: Design Thinking for ...

ONLINE NOW

FDP: DESIGN THINKING FOR SOCIAL E-SHIP

Activity Feed

Posting to FDP: Design Thinkin... Add Topic

Share what's on your mind

Create Poll

Expand to Article

Post

SHOWING EVERYTHING

SORTED BY LAST ACTIVITY

Manish Arora commented on this 2h ago

Deepak Menon Instructor

Host Help

**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

2 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 Paladagu** 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

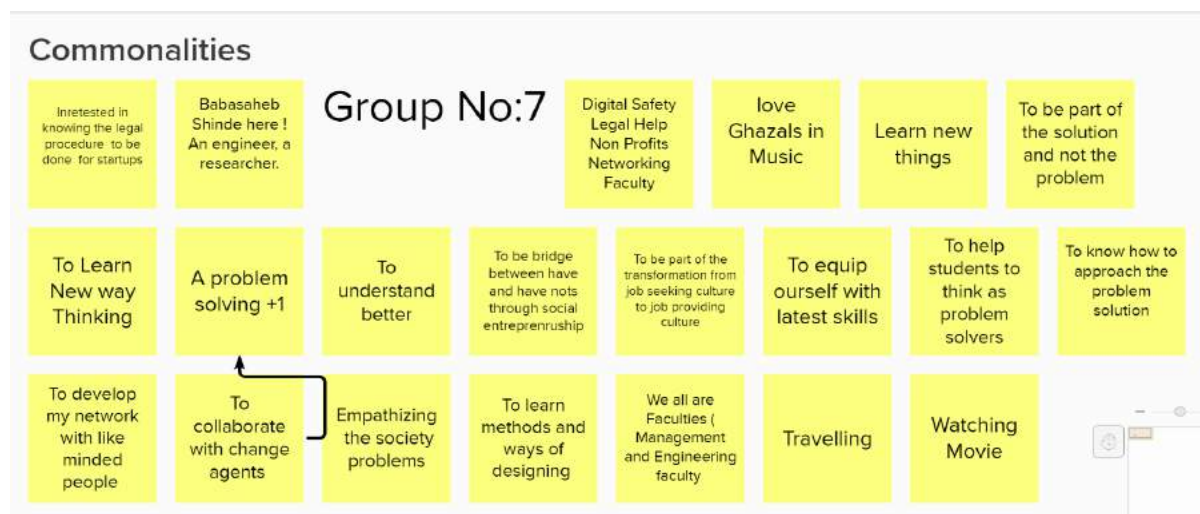
Namaste. I wish to learn how we can engage the PG student for social engineering project and creative design

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

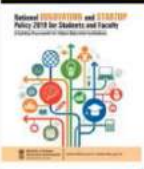
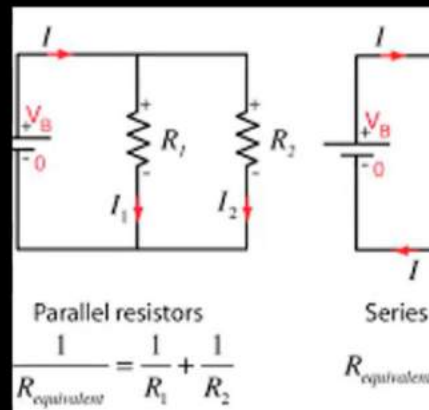
The final session of the day started after a one-hour lunch break with an invigorating session from Dr. Prasad Teegalapally a.k.a Dr. Mandi. Dr. Mandi, a professor at **NIETIE** Bombay. Dr. Mandi's unique way of encouraging social entrepreneurship consists of inspiring students to be hands-on. He spoke about how 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



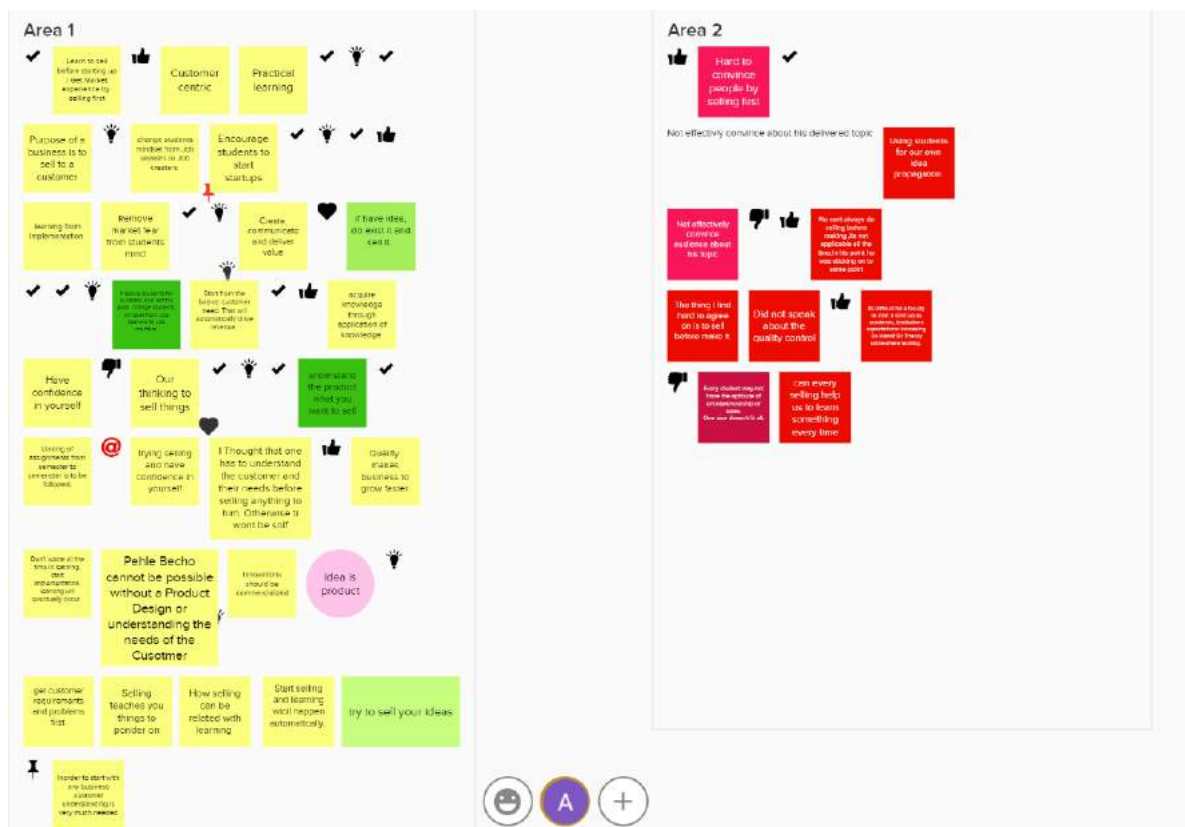
**Definition - Student Social Startups !**  
BY THE, OF THE, FOR THE STUDENT!



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

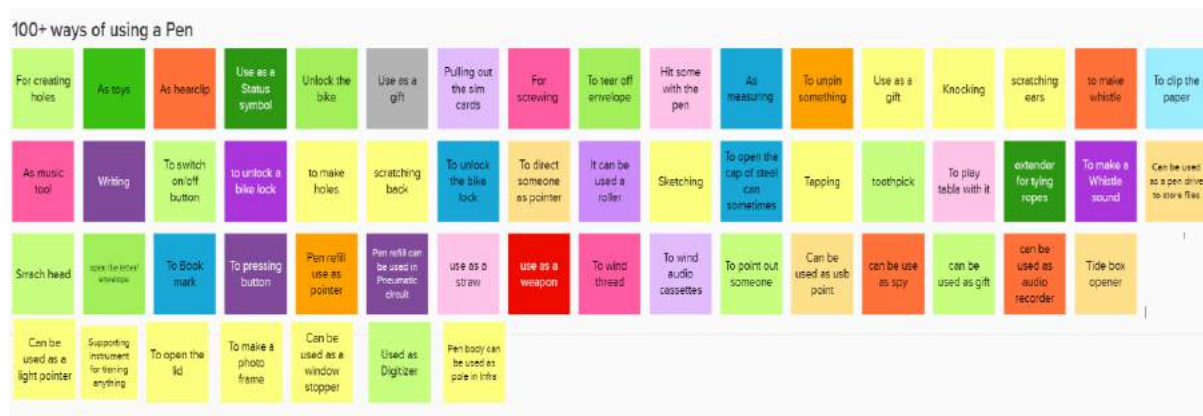
|   |  |  |   |   |  |
|---|--|--|---|---|--|
| Important to start from scratch, start from the beginning and customer centric approach: Dr. Tripti | Anita: Anything is possible : If you have the will you can do anything | Not able to agree to certain things though : Anita             | Shubhangi: We 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<br>Practical<br>Productive<br>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<br>Reflection<br>Listening<br>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

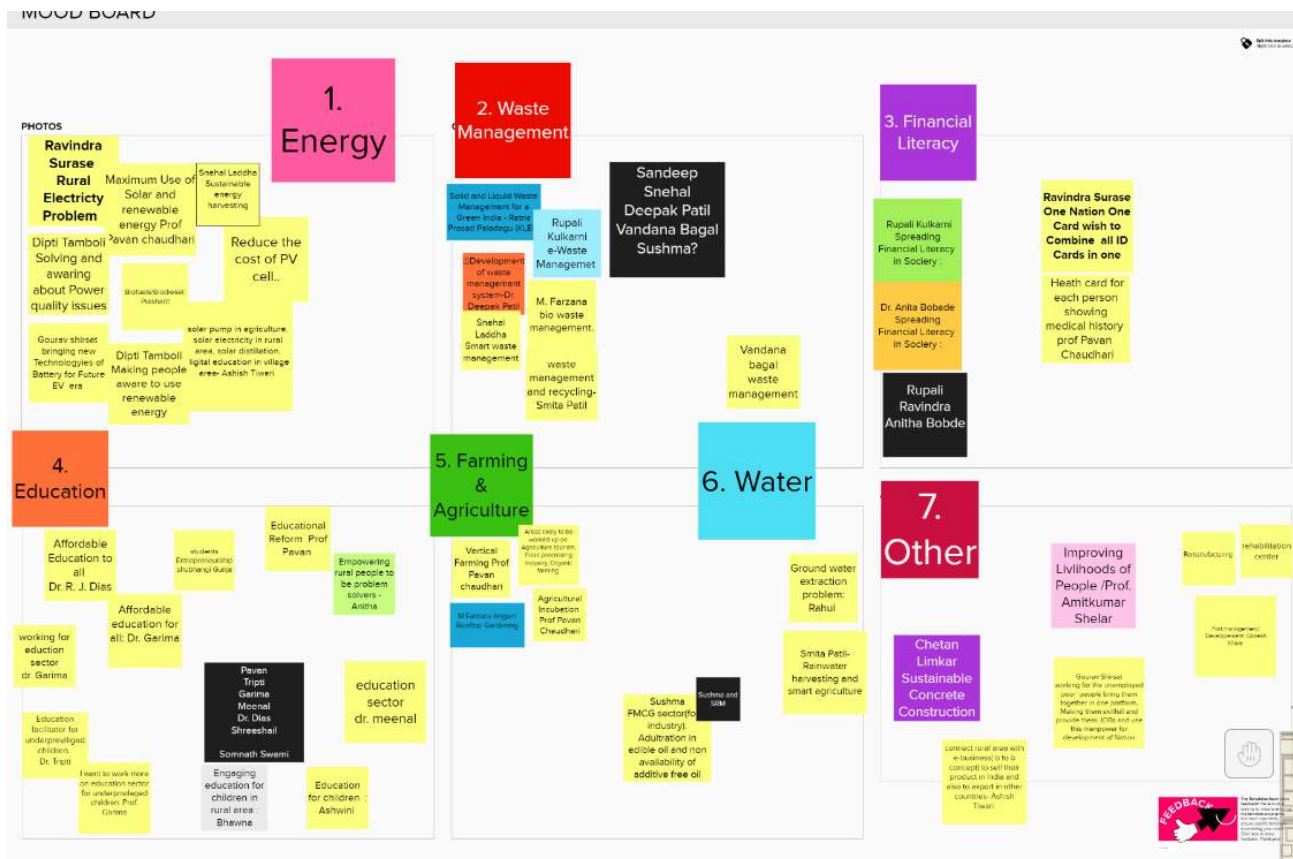
|                         |                              |                                     |                           |  |  |                                     |  |
|-------------------------|------------------------------|-------------------------------------|---------------------------|--|--|-------------------------------------|--|
| 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 eerbud :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 |                              |                                     |                           |  |  |                                     |  |





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 Rathnival 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.

## THE INCUBATOR STORY

**1** Challenge in Nepal for Newborn



**3** Using patterns to Design





**2** Observing patterns

- No reliable source of electricity;
- Low literacy rates;
- No reliable source of replacement parts

**4** Framework Result of Design Thinking



## 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 Multispecialty 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 | segregation 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 conducted to examine the nature and ingredient of the waste  | At the time of manufacturing of cement, more than 62% 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 treat the waste to the designated points 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.

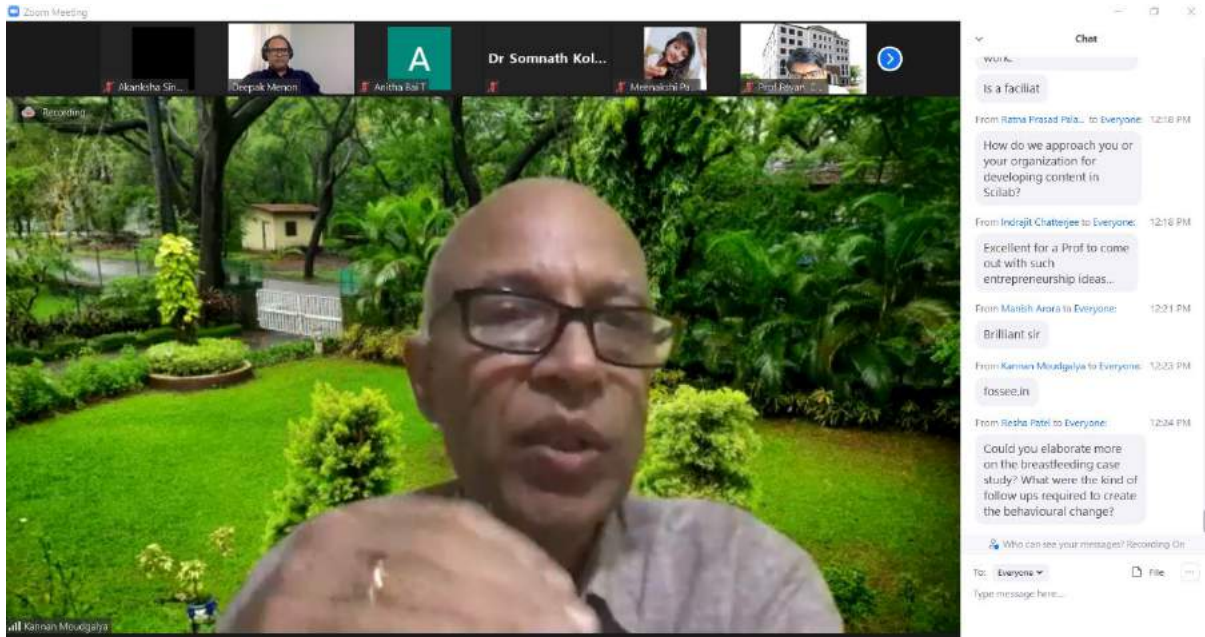


**Brainstorming Problems: Rural Youth**

|                       |                                    |  |                                 |                                 |  |                       |                             |
|-----------------------|------------------------------------|--|---------------------------------|---------------------------------|--|-----------------------|-----------------------------|
| Un employment 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

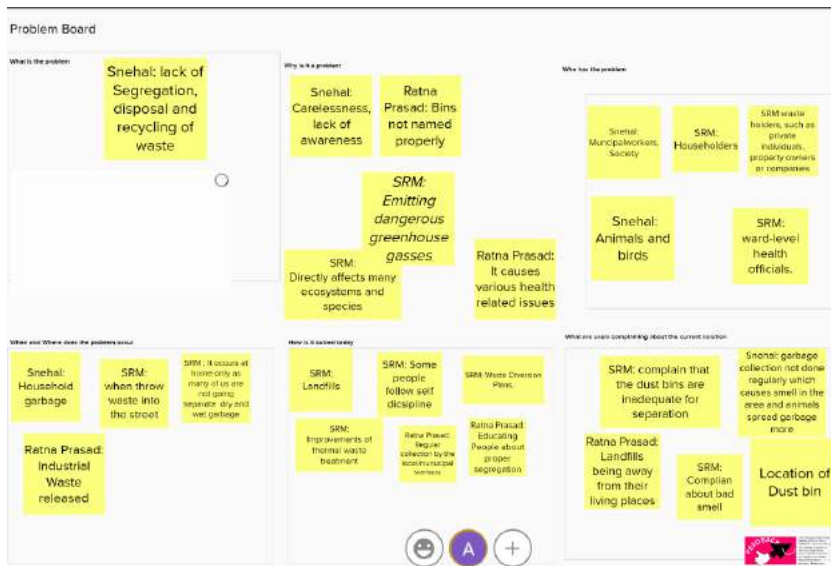
In session 2 of day 3, Dr. Kannan Mougalya, Professor IIT Bombay and Director of education in WHEELS Global Foundation spoke about Spoken Tutorials. Dr. Kannan spoke about Spoken Tutorials for Education, Empowerment and Employment. Spoken Tutorials is a 10 min long audio-video tutorial for self-learning 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.



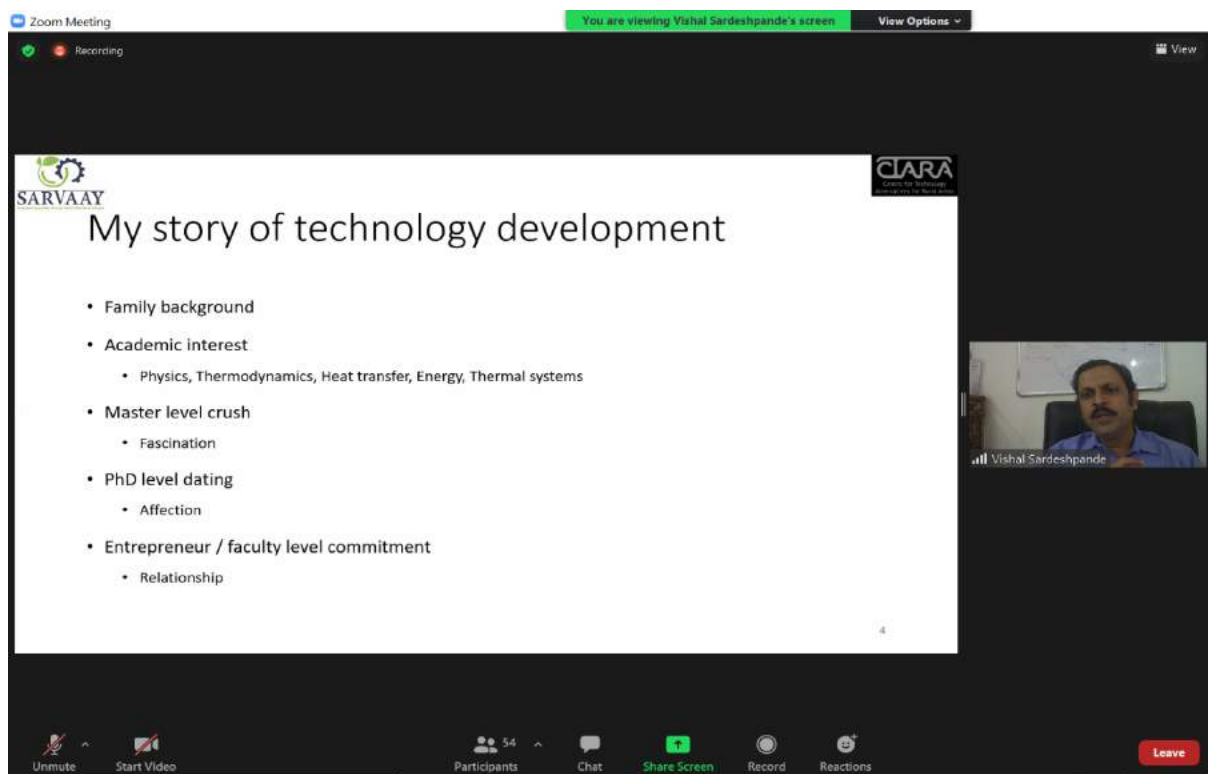


## Day 4

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 Saaryay solutions. He spoke about what sparked his interest in developing a Jagarey processing plant and the years of iterations in product development.



The screenshot shows a Zoom meeting interface. At the top, it says "Zoom Meeting" and "You are viewing Vishal Sardeshpande's screen". The main content is a slide titled "My story of technology development" with the SARVAAY logo on the left and the CLARA logo on the right. The slide lists the following points:

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

A small video window on the right shows Vishal Sardeshpande speaking. The Zoom control bar at the bottom includes icons for Unmute, Start Video, Participants (54), Chat, Share Screen, Record, Reactions, and a Leave button.



## **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

**Interviewee:** Mrs Kara Kunda  
**Interviewer:** Anitha Bai T  
**Note-taker:** Name  
**Date + time:** 08.07.2021,11:50 am

**Things to keep in mind:**

**Questions**

- Good Morning. How are you? How are you? How are you?
- Tell something about the school again.
- If a year how many students are dropping out from the school again.
- What do you think the reason is for this?
- What are the actions you have taken to reduce the dropout?
- Is there any action you can take to bring them back?

**Notes Interview 1**

... (transcribed notes) ...

## 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.

**Rural Youth**

- Says:** I do not get mobile to attend online school, I have to help my mother at home, None of my friends attend!
- Thinks:** What is my future look like, How to deal with the present situation, where can I get help, what happens if I want to study, whether I made mistake of coming out of school, Its better I dropped out
- Does:** Helps in house, Gives only exams, COVID is there I am safe at home, Get involved in crimes, Earns some money but cant fulfill daily needs, Quarrels
- Feels:** Troubled, Left out, Anxious, Fear, Doubtful, Not confident, Expecting, Uncertain about future, Immature

## Persona Profile

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

● Focus on the person you're designing for

**Name:** Rural Youth

**Photo:**

**Age:** 25 yr

**Gender:** Male

**Occupation:** Casual, Working, Unemployed, Care about his family

**Education:** High School, Passed of 4 subjects, Working opportunity in the village and necessary work during the lockdown

**Skills:** Work, Heavy a laborer, Resistant to pain

**Interests:** To give good work and to help his family

### 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

**Brainstorming ideas**

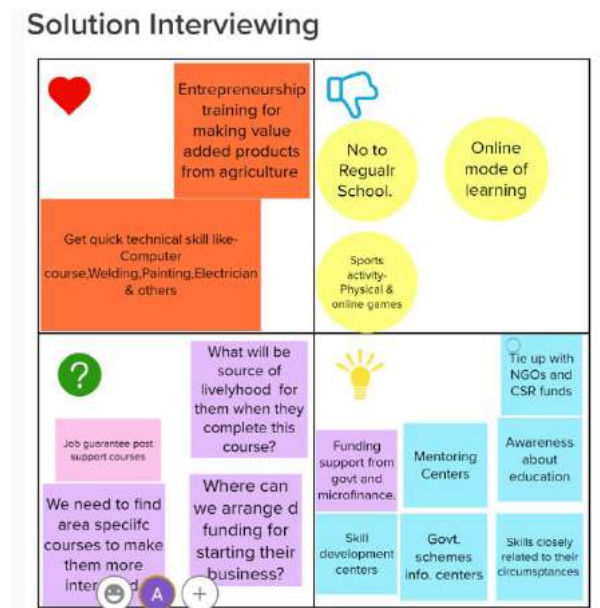
|                            |                           |                              |   |                                  |  |   |  |  |         |
|----------------------------|---------------------------|------------------------------|---|----------------------------------|--|---|--|--|---------|
| Imparting Technical Skills | Entrepreneurship Training | Counselling Centre for youth | Mapping Govt. Schemes in the nearby villages (Health and Education) | Computer Centre                  | Awareness of importance of education in students and parents | Incentive for their parents to send them school | Training for their parents for Livelihood generation | Motivation Talk (Subject and Parents/ members)                                       | Library |
| UPSC/IELTS Centre          | Visits to the industry    | Play Ground                  | Gymnasium   | Private Scholarships through CSR | Company adoption of village-Job for youth                    | Workshops: Technical Skills/ Digital Literacy   | Basic education for parents                          | Workshop for parents in hindi. Ag. to know needful to reduce expenses on pesticides. |         |

## 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

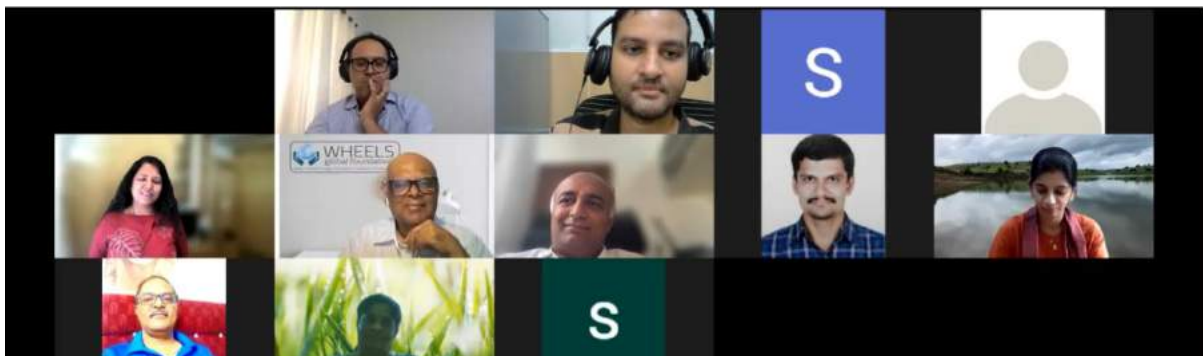
The first session of the final day started off with the activity of Solution Interviewing. Participants worked in their respective groups to interview users to gain qualitative insights on the pain points, perspectives, and needs of potential customers. Each group then filled out a mural on solution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



## Day 5- Session 2

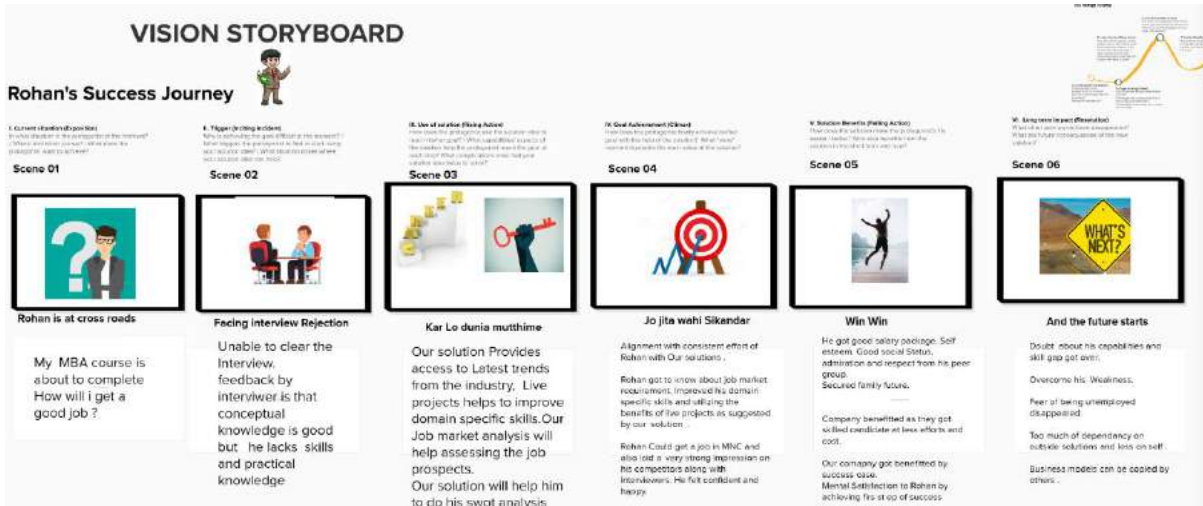
Session two started off with an inspiring talking by founder of E-ship Anchors, Anupama Modi. E-ship Anchors consults institutes and organizations on entrepreneurship ecosystem development. She spoke about the advantages and challenges of creating an entrepreneurship ecosystem in a higher education ecosystem. 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.



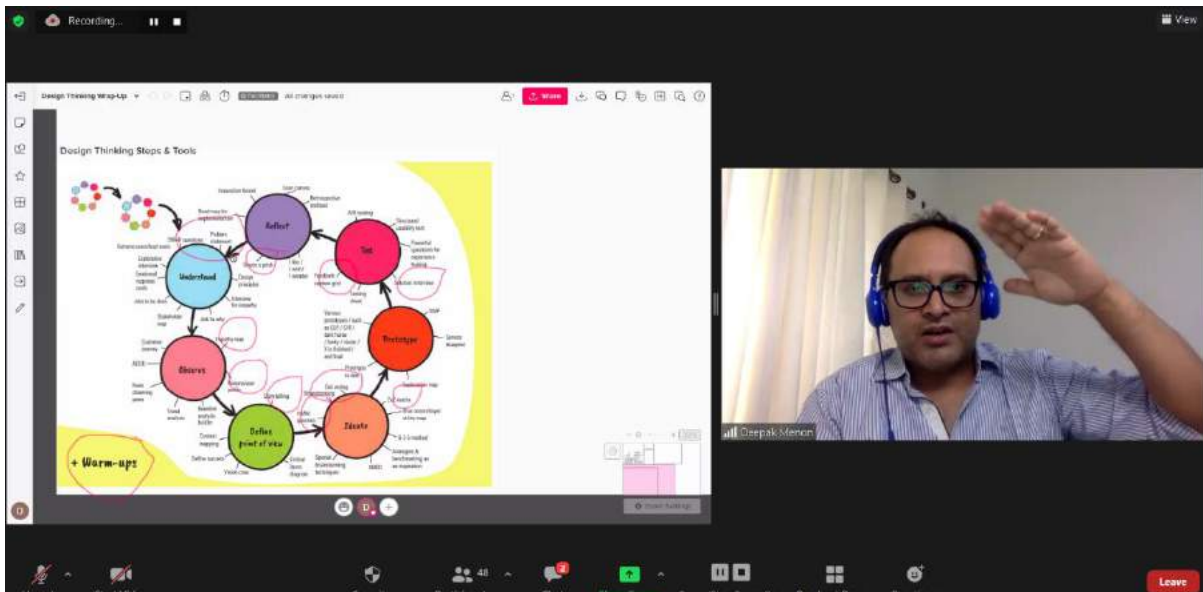


### Day 5- Session 3

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.

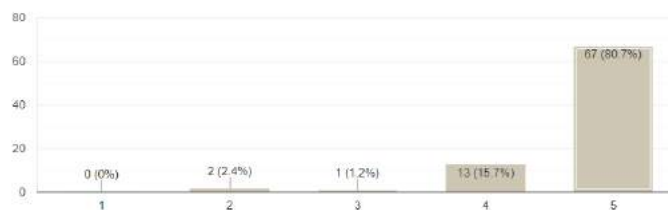


The final session ended with a valedictory speech by course coordinator, Prashanth Pawar and each participant were asked to fill a feedback and assessment form.

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.

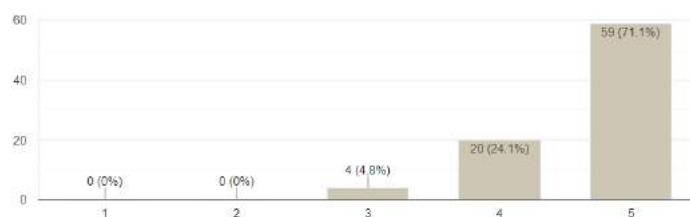
How satisfied were you with the program ?

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.

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