

**6.3.3 Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff**

<b>1</b>	Brochure and Reports Year wise  <a href="#">2017-18</a> (Page-2)  <a href="#">2018-19</a> (Page-73)  <a href="#">2019-20</a> (Page-139)  <a href="#">2020-21</a> (Page-151)  <a href="#">2021-22</a> (Page-181)
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APPROV

13-10-2017

+  
Schedule

To,  
The Vice Chancellor,  
Dharmsinh Desai University,  
Nadiad.

Sub.: Organizing an STTP on 'Computational Electromagnetics & its Applications'  
under the banner of DDU IEEE Student Branch

Respected Sir,

The Department is willing to organize STTP on 'Computational Electromagnetics & its Applications' during 04/12/2017 - 08/12/2017. The program is designed for the Faculty Members, Research Scholars and M. Tech. Students. The basic objective of this program is to create awareness of vast applications of numerical techniques used in research activities amongst the research scholars and faculties.

Dr. Prarthan Mehta & Dr. Rizwan Alad will look after the overall coordination of the workshop. Tentative schedule and session planning is attached herewith for your kind reference.

Kindly permit organizing the same & approve the budget.

No financial support is needed from the university.

Thro'

Recommended

Panchal

(Prof. D. G. Panchal)  
Dean, Faculty of Technology

N. Kothari

(Dr. Nikhil Kothari)  
Head, Dept. of E & C Engg.

Encl :

- 1) Schedule and Session plan
- 2) Estimate of the expenses

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તા. ૧૪-૧૦-૧૭

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તા. ૪-૧૨-૨૦૧૭ ૬-૧૨-૧૭ રૂબરૂ સહકારી રીતે  
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S. Kothari  
સહકારી રીતે

P. Panchal  
સહકારી રીતે



Technical session planning for the Short Term Training Program  
on

'Computational Electromagnetics & its Applications'  
(4<sup>th</sup> – 8<sup>th</sup> December 2017)

Day	Topic / Content
1	<ul style="list-style-type: none"><li>• Introduction of Computational Electromagnetics</li><li>• Analytical methods</li></ul>
2	<ul style="list-style-type: none"><li>• Finite Difference Method</li><li>• Method of Moments for Electrostatics</li></ul>
3	<ul style="list-style-type: none"><li>• Method of Moments for Radiation Problems</li><li>• Hands on practice</li></ul>
4	<ul style="list-style-type: none"><li>• Domain Truncation Techniques</li><li>• Finite Element Method</li></ul>
5	<ul style="list-style-type: none"><li>• Finite Difference Time Domain Method</li><li>• Hands on practice</li></ul>

**Note:** There will be 2 hours of explanation & demonstrations followed by 4 hours of laboratory sessions on each day.



Short Term Training Program  
on  
'Computational Electromagnetics & its Applications'  
(4<sup>th</sup> - 8<sup>th</sup> December 2017)

Registration Fee per participant	:	Rs. 1500 for Non-IEEE Professional Member Rs. 1000 for IEEE Professional Member Rs. 1000 for Non-IEEE Student Member Rs. 750 for IEEE Student Member
Maximum number of Participants	:	35
Minimum Number of participants	:	15

**Faculties:**

- |                        |                      |
|------------------------|----------------------|
| 1) Dr. Prathan. Mehta  | 2) Dr. Rizwan Alad   |
| 3) Prof. Ashish Pandya | 4) Prof. Rachit Dana |

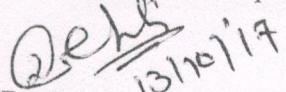
**Estimate of Expenses**

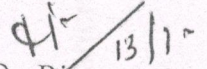
(35 participants and 4 team members for 5 days)

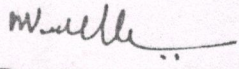
Particular	Rate (Rs.)	Total (Rs.)
Registration kit	55 per unit	2000
Lunch	90 per person / day	17550
Evening Tea	05 per person / day	975
Stationary		2000
Miscellaneous		1000
Certificate		1000
Expenses for Expert Lectures		10000

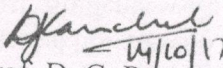
Total Estimate of expenditure

34525 ✓

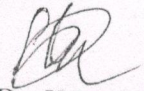
  
(Dr. Prathan Mehta)  
Program Coordinator

  
(Dr. Rizwan Alad)  
Program Coordinator

  
(Dr. Nikhil Kothari)  
Head, Dept. of E & C Engg.

  
(Prof. D. G. Panchal)  
Dean, Faculty of Technology

Approved by

  
(Dr. H.M. Desai)  
Vice Chancellor



## Short Term Course on

# "Computational Electromagnetics & Its Applications"

December 4 – 8, 2017

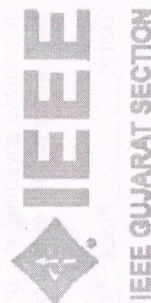
Organized by

Department of  
Electronics & Communication  
Engineering



Faculty of Technology,  
Dharmsinh Desai University, Nadiad

In Association with



## About the Course

The objective of the program is to provide an opportunity to faculty members and research scholars for developing insight towards the basics of Electromagnetics, various CEM solvers such as FEM, FDM, FDTD, MoM, FMM, etc. Moreover, the hands on sessions will enable the participants to develop the logical insight towards the solutions for the problem in variety of applications of ESD, antenna design and analysis and many more. The program also caters to the needs of research scholars pursuing their research in the field of Electromagnetics. **The experts of the field from SAC & different Universities of the state will engage the sessions.**

## Key Learning Outcomes

At the end of the program you will be able to

- Demonstrate Electromagnetic theory
- Implement Computational Electromagnetic Technique in different fields
- Write codes for the numerical techniques

## Who should attend

- Faculty involved in teaching Electromagnetic theory, Microwave & Antennas, RF design, Numerical techniques and other related courses.
- Research scholars pursuing research in CEM, Antenna, RF, Microwave Engineering, and the other relevant fields.
- UG/PG students aspiring to get started with concept of Electromagnetics, CEM, Antenna Design and planning for a career in high frequency system design, development and validation.

## Course Outline

Fundamentals of Computational Electromagnetics

- Classification of EM Problems
- Analytical Methods
- Separation of variable
- Boundary Value Problems
- Method of Images
- Finite Difference Method

Finite Difference Time Domain (FDTD)

- Basic FDTD Algorithm, YEE Grid
- Courant Stability Condition
- Example of 1D FDTD
- Domain Truncation Techniques
- Mur's Boundary Condition
- Hands on Session

Finite Element Method (FEM)

- Formulation of FEM
- Computation of Body Capacitance
- Hands on Session

Method of Moment (MoM)

- Formulation of MoM
- Importance of Basis and Testing Function in MoM
- Meshing Technique
- Convergence
- Hands on Session

Application of Numerical Techniques

- Radiation Problems
- Current and Field of Linear Wire Antenna
- Hands on Session

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### Important Information

- Limited seats, Registration is on first come first serve basis
- Send the scanned copies of the DD/Cheque (in favor of DDU IEEE Student Branch) with filled registration form, latest by, 30<sup>th</sup> November, 2017

### Registration Fees

- Faculty: Rs. 1000/- (IEEE Member)  
Rs. 1500/- (Non-IEEE Member)
- Student: Rs. 750/- (IEEE Member):  
Rs. 1000/- (Non-IEEE Member)

The registration fees include course material - CD/DVD, participation kit, lunch and tea. No TA/DA will be paid. For PAID Accommodation, contact the co-ordinator.

### Confirmation of Participation:

2<sup>nd</sup> December, 2017 (by e-mail)

### Address for Communication

Prof. Rachit Dana  
Assistant Professor,  
Dept. of E & C Eng.,  
Faculty of Tech., D. D. University,  
Nadiad-387001, Gujarat.  
E-mail: rachitdana.ec@ddu.ac.in  
Mobile: +91-9727296203

### REGISTRATION FORM

Short Term Course  
on  
Computational Electromagnetics & Its  
Applications  
4<sup>th</sup> – 8<sup>th</sup> December, 2017.

### Patron

Dr. H. M. Desai,  
Vice Chancellor, D. D. University

### Vice-Patron

Prof. D. G. Panchal  
Dean, Faculty of Technology

### Coordinators

Dr. Prarthan Mehta  
Dr. Rizwan Alad  
Prof. Ashish Pandya  
Prof. Rachit Dana

Name: \_\_\_\_\_

Highest Qualification: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Research Domain: \_\_\_\_\_

Mobile No.: \_\_\_\_\_

E-mail: \_\_\_\_\_

DD/Cheque No.: \_\_\_\_\_ Date: \_\_\_\_\_

The information furnished above is true & correct to the best of my knowledge. I agree to abide by the rules and regulations governing the program. I shall attend the program for the entire duration.

Date: \_\_\_\_\_ Place: \_\_\_\_\_

Signature: \_\_\_\_\_



Short Term Course on

**"Computational Electromagnetics & Its Applications"**

December 4-8, 2017

Day	Session	Topic	Resource Person
1	I	Matrix Methods in Electromagnetics Computation	Dr. S. B. Chakrabarty
	II	Analytical Methods in CEM	Prof. A. B. Pandya/Prof. R. K. Dana
	III	Finite Difference Method	Prof. A. B. Pandya/Prof. R. K. Dana
	IV	Simulation Session	Prof. A. B. Pandya/Prof. R. K. Dana
2	I	Basic FDTD Algorithm	Prof. A. B. Pandya/Prof. R. K. Dana
	II	Domain Truncation Techniques	
	III	Example of 1D FDTD	
	IV	Simulation Session	
3	I	FEM: Concepts and Its Applications	Dr. K. N. Sheth/Dr. R. K. Sheth
	II	Computation of Static Capacitance	Prof. A. B. Pandya/Prof. R. K. Dana
	III	Formulation of MoM	Dr. P. D. Mehta/Dr. R. H. Alad
	IV	Simulation Session	Dr. R. H. Alad/ Prof. A. B. Pandya
4	I	Importance of Basis and Testing Function in MoM	Dr. P. D. Mehta/Dr. R. H. Alad
	II	Simulation Session	Dr. P. D. Mehta/Dr. R. H. Alad
	III	Meshing Technique and Convergence	Dr. P. D. Mehta/Dr. R. H. Alad
	IV	Simulation Session	Dr. P. D. Mehta/Dr. R. H. Alad
5	I	Arcing of Solar Panels	Dr. S. B. Gupta
	II	MoM for Radiation Problems	Dr. P. D. Mehta/Dr. R. H. Alad
	III	Simulation Session	Dr. P. D. Mehta/Dr. R. H. Alad



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Short Term Course on  
"Computational Electromagnetics and Applications"

December 4 - 8, 2017

Department of Electronics & Communication Engineering  
Faculty of Technology, Dharmsinh Desai University, Nadiad

## Registration sheet

Sr No.	Name	Name require on certificate	Sign
1	Renuka J. Makwana	RENUKA J. MAKWANA	
2	Alpesh Vala	Alpesh D. Vala	
3	Amit V. Patel	Amit V. Patel	
4	Keyur Mahant	KEYUR K. MAHANT	
5	Dr. Purvang Dalal	DR. PURVANG DALAL	
6	Dr. Hardip K Shah	Dr. Hardip K. Shah	
7	Dr. Vinay M. Thumar	Dr. Vinay M. Thumar	
8	Dr. Yogesh K. Meghrajani	As it is	
9	Dr. Lakshmi S. Desai	As it is	
10	Mitesh J. Limachia	As it is	
11	Pallavi G. Darji	Pallavi G. Darji	
12	Patel Keyurkumar M.	Patel Keyurkumar M.	
13	Vasimbhai A. Vohra	Vasimbhai A. Vohra	
14	Mitul A. Shah	Mitul A. Shah	
15	Dabhi Sohilkumar A.	SOHILKUMAR A. DABHI	
16	Hardik B. Patel	Hardik B. Patel	
17	Soni Marmik B.	Marmik B. Soni	
18	Jitendra M. Shah	Jitendra M. Shah	
19	Harikrushna B. Rathod	Harikrushna B. Rathod	
20	Nisarg K. Bhatt	Nisarg K. Bhatt	
21	Harshit M. Patel	HARSHITKUMAR M. PATEL	

22	Hetal B. Shekh	Hetal B. Shekh	
23	SHITAL THAKKAR	As it is	
24	Patel Minal B.	Patel Minal B.	
25	Patel Palak N.	Patel Palak N.	
26	Prarthan mehta	Prarthan mehta	
27	Rizwan Alud	Rizwan Alud	
28	Ashish Pandya	Ashish B. Pandya	



## Report

Short Term Training Program  
on  
**Computational Electromagnetics and Applications**  
(04-08 December 2017)

Jointly Organized by

Dept. of Electronics & Communication Engg., Faculty of Technology, D. D. University

and

IEEE AP/MTT Joint Chapter, Gujarat Section

In Association with IEEE Gujarat Section

No. of Participants : 28

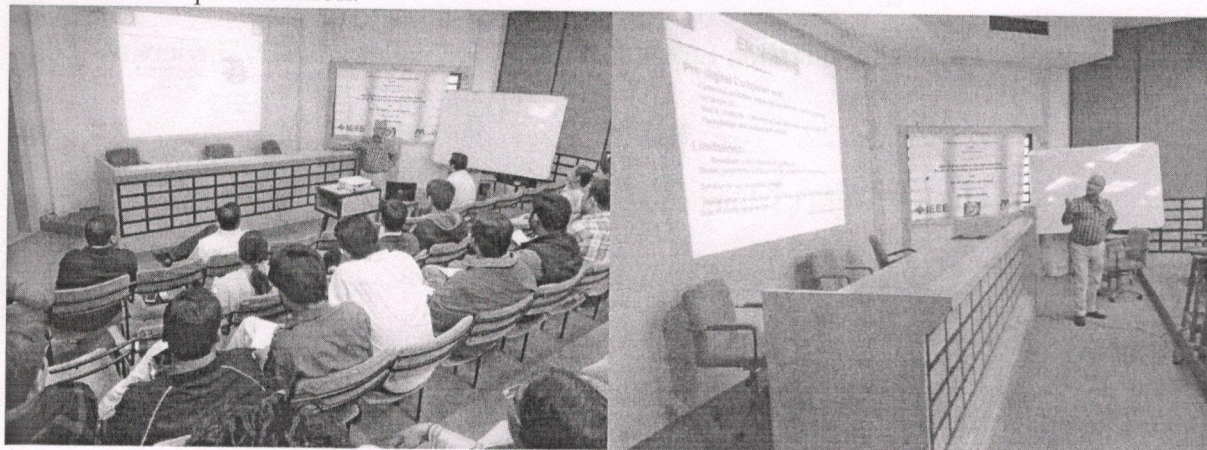
List of the Experts :

1. Dr. S. B. Chakrabarty, Space Application Center, ISRO, Ahmedabad.
2. Dr. B. C. Dharmani, Ex Visiting Scientist, ISI, Kolkata
3. Dr. R. H. Alad, Associate Professor, D. D. University.
4. Dr. P. D. Mehta, Associate Professor, D. D. University.
5. Dr. H. K. Shah, Associate Professor, D. D. University.
6. Prof. A. B. Pandya, Assistant Professor, D. D. University.
7. Prof. R. K. Dana, Assistant Professor, D. D. University.
8. Prof. K. N. Sheth, Professor, D. D. University.
9. Prof. Niraj Pathal, Assistant Professor, D. D. University.



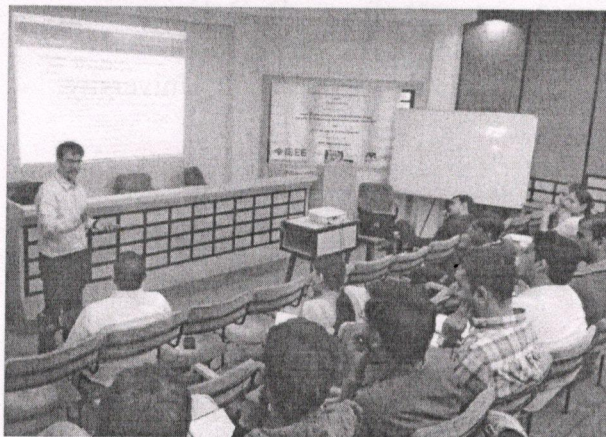
Day 1: December 04, 2017

The event started with an expert session by Dr. S. B. Chakrabarty, Head, MSAD/ASG, Space Application Center, ISRO, Ahmedabad on *Matrix Methods in Electromagnetics Computation*. He initiated the talk with introducing a variety of mathematical techniques in electromagnetics. Further, he focused on the importance of the mathematical modeling methods and their comparisons. He also discussed about the integral equation methods and differential equation methods with case studies. The mode matching technique was briefly covered in the presentation.



Dr. S. B. Chakrabarty during expert session

Dr. Bhavesh Dharmani, Ex-Visiting Scientist - ISI, Kolkata, presented *Genetic Algorithm Misconvergence Analysis and Large Scale Global Optimization*. He started with basic algorithm and the possibilities of misconvergence. The limitations of the algorithm for higher dimensions were discussed during the talk. Variants of the algorithms for large scale global optimization were also covered.

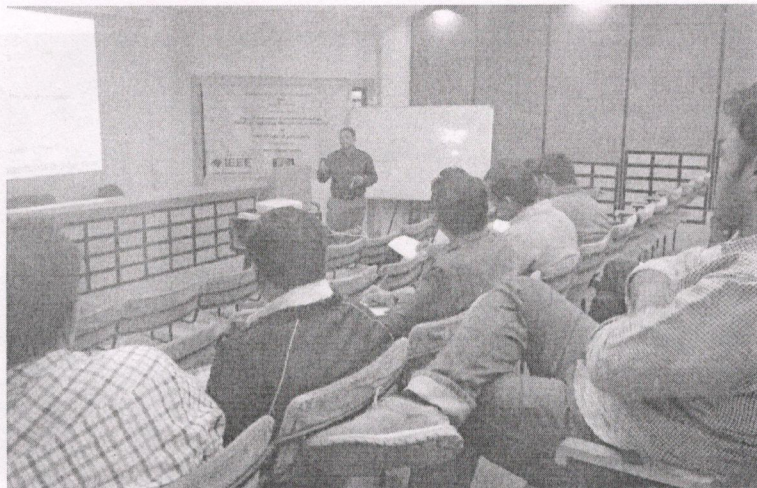


Dr. Bhavesh Dharmani during expert session

Day 2: December 05, 2017

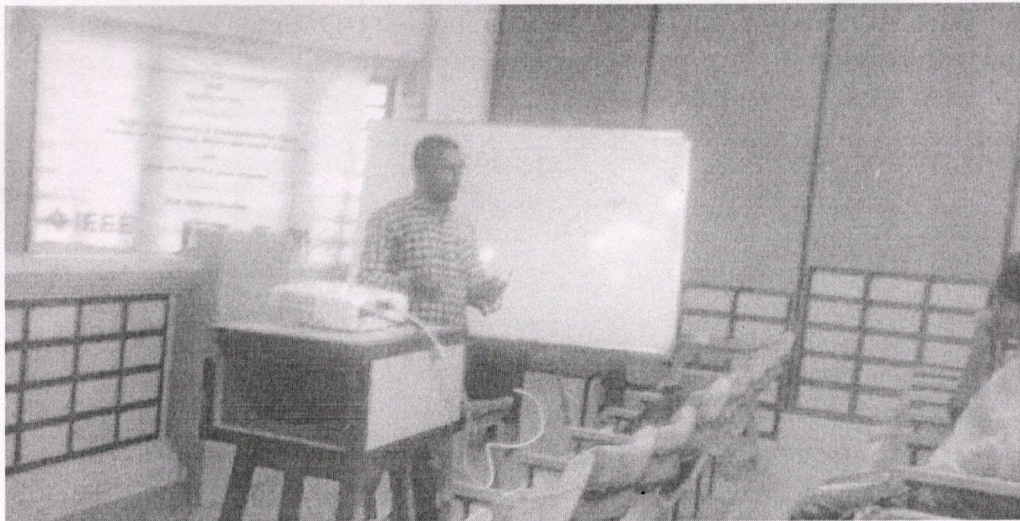
An optimization algorithm namely, *Particle Swarm Optimization* was covered by Dr. Hardip K. Shah, Associate Professor of the Department. He started with the basics of the algorithm and further he focused on the multidimensional optimization. A variety of the cost functions were also discussed, followed by case study.





Dr. Hardip K. Shah during expert session

Afternoon session was conducted by Dr. Rizwan Alad, Associate Professor of the Department. Applications of the Genetic Algorithm and Particle Swarm Optimization Algorithm were demonstrated. Beam forming and adaptive antenna fundamentals were also discussed.



Dr. Rizwan Alad during expert session

*Finite Element Method for Electrostatic* was presented by Prof. K. N. Sheth, Professor, Civil Engg. Department. Basics of the method was followed by the case study of finding the potential on the different points on a metallic surface was demonstrated. He also discussed the problem formulation in detail. Few problems were given for the hands-on session.

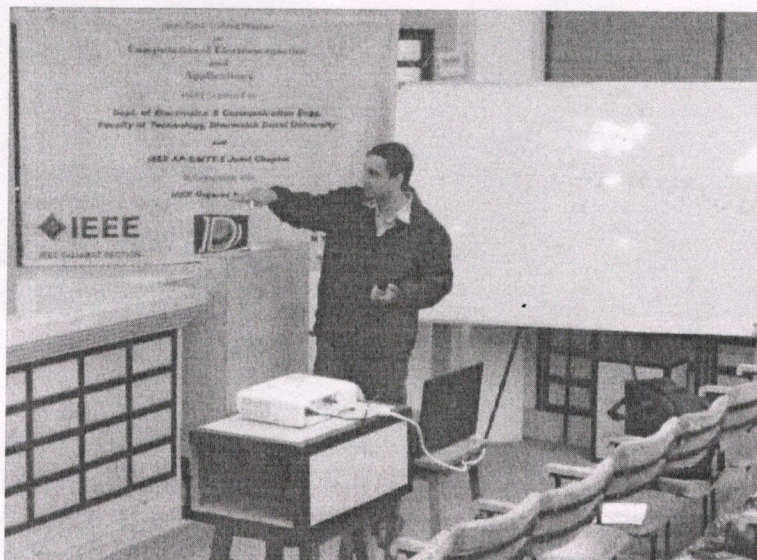




Prof. K. N. Sheth during expert session

Day 3: December 06, 2017

Finite Difference Method for solving Laplace's Equation for special domain was presented by Prof. Ashish Pandya, Assistance Professor of the Department. Further he also discussed different analytical methods such as, Method of Images, Separation of Variable, Series Expansion and Boundary Value Problems. Formulation of 1-D Finite Difference Time Domain Method with Domain Truncation Technique was elaborated.



Prof. Ashish Pandya during expert session

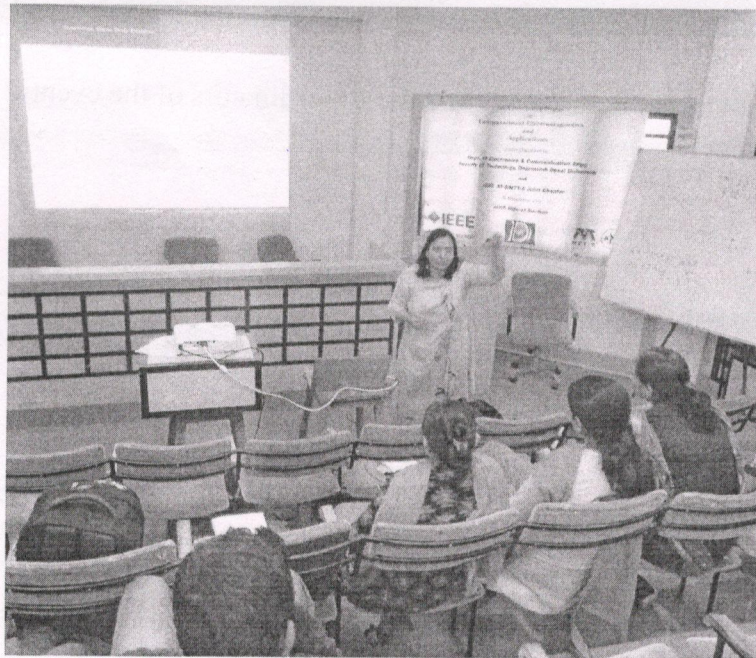
Prof. Rachit Dana, Assistant Professor of the Department conducted the hands on session on the potential problems using Laplace's and Poisson's Equations using MATLAB. Demonstration of a variety of parameters on the behavior of the solution were presented and analyzed.



Day 4: December 07, 2017

Dr. Prarthan Mehta, Associate Professor of the Department delivered the presentation on the *Method of Moments for Electrostatics*. The talk was initiated with the formulation of any integral as well as differential equation with the method of moments, followed by few problems during hands on session. Further, electrostatic modeling using the method was also discussed during the talk.

An interesting application of widely used numerical technique, uange-Kutta method, namely Estimation of the Stable, Unstable and Transfer orbits for Restricted Three Body Problems was discussed by Prof. Niraj Pathak, Research Scholar, M. S. University, Vadodara. She demonstrated variety of case studies with Sun-Earth-Satellite System and Sun-Mars-Satellite System. Methodology of problem formulation for the higher order differential equation was explained.



Prof. Ashish Pandya during expert session

Day 5: December 08, 2017

Dr. Rizwan Alad, Dr. Prarthan Mehta and Prof. Ashsih Pandya presented various case studies for the Method of Moments. Application of the method for estimation of the capacitance and the saturated body potential was also discussed. The demonstration of the triangular meshing techniques for 2-D and 3-D structures was then covered followed by hands-on session.





Group Photo of the Participants and the Co-ordinators of the event



## Introduction

Major real problems in engineering can be modelled using ordinary differential equations, partial differential equations, algebraic equations or differential algebraic equations which are nonlinear. So, solving these equations using numerical approach is essential.

## Objectives:

The objective of this one week short term training program is to provide theoretical knowledge and hands on practice of various real problems related to different engineering branches. It will include theory sessions followed by hands on practice through simulation.

A key objective of this course is to provide knowledge regarding different numerical and analytical techniques for solving ODES, PDES, AEs and DAEs. The participants will learn the modeling of real problems and its solution regarding different numerical techniques. Also they learn stability of solution gained by numerical methods. However, since the program is designed such that it includes fundamentals and also cover advanced topics the course will be beneficial for research scholars and faculty from academic institutes to improve their expertise.

## Topics

- ✓ **Formation of ordinary differential equations from the real physical systems.**
- ✓ **Power series method to solve Bessel's differential equation.**
- ✓ **Bessel's function and its application.**
- ✓ **Power series method to solve Legendre's differential equation.**
- ✓

- ✓ **Derivation of Equation of continuity and its solution.**
- ✓ **Derivation of Navier- Stoke equations in different coordinate system.**
- ✓ **Solution of Navier -Stoke equations for different cases.**
- ✓ **Algebraic equations**
- ✓ **Solution of system of algebraic equations using numerical approach.**
- ✓ **Differential Algebraic equations for the real problems.**
- ✓ **Solution of Differential algebraic equations using software.**

**Theory and Practical Sessions for above mentioned topics will be covered during the Programme.**

**Expert faculty members from DDU conduct theory sessions and practical sessions.**

## Venue

**Theory sessions: Seminar Hall, Faculty of Technology, DDU, College Road, Nadiad.**

**Simulation sessions: Computer center of DDU**

**Practical sessions: Process Control Lab, Chemical engineering Department, DDU**



**ISTE approved Training Programme  
On**

**Application of Applied  
Mathematics in Engineering**

**(27<sup>th</sup> Nov– 1<sup>st</sup> Dec, 2017)**

**Registration Form**

Name: \_\_\_\_\_

Gender: M/F

Designation: \_\_\_\_\_

Qualification: \_\_\_\_\_

Experience: \_\_\_\_\_ years

ISTE Life Membership: Yes/No

IF yes, Membership No.: \_\_\_\_\_

Institute: \_\_\_\_\_

Address (O): \_\_\_\_\_

Contact: (O) \_\_\_\_\_ (M) \_\_\_\_\_

Email: \_\_\_\_\_

DD No.: \_\_\_\_\_ Bank: \_\_\_\_\_

## **:-Non-Residential Training Fees:-**

Registration Amount:

(i) For ISTE life members: Rs.500

(ii) For non members: Rs.3500

Payment can be made by DD in favour of  
**Dharmsinh Desai University A/C, Payable at Nadiad.**

**Registration on first come first base**

Date

Signature of Applicant

Seal & Signature of sponsoring Institute

**Chemical Engineering Department, Faculty of Technology, DDU, Nadiad**

- Pioneering department of chemical engineering education in Gujarat
- Some Under-graduate and Post-graduate students have been recognized with IPCL-ISTE awards
- The department is having well equipped laboratories for various unit operations and transport processes, state of the art experimental facility for process control having PLC and DCS, simulation softwares such as MATLAB, GAMS, FLUENT, gPROMS etc.
- Offers PG courses with specialization in CAD & Control, Surface Science & Nanotechnology



**ISTE approved Training Programme  
On**

**Application of Applied  
Mathematics in Engineering**  
(27<sup>th</sup> Nov– 1<sup>st</sup> Dec, 2017)

**Organized by**

**Chemical Engineering Department  
FOT, D.D.University-Nadiad**



GOVERNMENT OF GUJARAT



**Course Coordinators:**

Dr. Jalesh L. Purohit (09925665899)

Miss Niraj M Pathak(09879180916)

Email: [jalesh.purohit@gmail.com](mailto:jalesh.purohit@gmail.com)  
[niraj23481@yahoo.com](mailto:niraj23481@yahoo.com)

**REPORT ON  
ONE WEEK  
SHORT TERM TRAINING PROGRAMME ON “APPLICATION OF APPLIED MATHEMATICS IN  
ENGINEERING”  
APPROVED BY ISTE  
(27<sup>th</sup> Nov to 1<sup>st</sup> Dec 2017)**

One week short term training programme on “APPLICATION OF APPLIED MATHEMATICS IN ENGINEERING” approved by ISTE was held at Chemical Engineering Department, Dharmsinh Desai University during 27<sup>th</sup> November to 1<sup>st</sup> December 2017. There were 60 participants who participated in STTP. The participants are from different Engineering branches like Chemical, Mechanical, Electronics and Communication, Information and Technology, Civil, Computer as well as from Mathematics department.

**Day 1 (27<sup>th</sup> Dec 2017)**

**Lecture Session:**

The first lecture session of the STTP was delivered by DR. M. S. Rao (Head of Chemical Engineering Department) who gave the overview of the program and delivered a talk on classification of ordinary differential equations. Subsequently he explained how mathematical models can be developed to represent real time Engineering problems with the help of simple examples.

After break of 15 minutes second session of the STTP was delivered by Miss. Niraj Pathak (Mathematics Department) who introduced Power Series Method for solving Ordinary Differential Equations. She formulated Bessel’s Differential Equations from Real problem.

**Laboratory Session:**

After a Lunch Break LAB session start, in which Miss Niraj Pathak introduced MATLAB and some basic commands of MATLAB. Then Dr. M.S. Rao and Miss Niraj Pathak helped participants to complete the LAB practice which was designed to introduce Matlab softer ware to the participants. At the end of the session participants were able to create, run script and function files.

**Day 2(28<sup>th</sup> Dec 2017)**

**Lecture Session:**

On the second day, session was started by Miss Niraj Pathak. She explained how to solve Bessel’s Ordinary Differential Equation using Power Series Method. Then she introduced Bessel’s functions and she derived relation between Bessel function and Trigonometric function.

After break of 15 minutes second session of the STTP was delivered by DR. J.L. Purohit (Chemical Engineering Department) who explained all the numerical methods for solving first order differential equations. Then he explained conversion of higher order differential equations in to system of first order



differential equations and explained numerical method for solving these differential equations by giving some engineering examples.

#### Laboratory Session:

After a lunch break Dr. J. L. Purohit conducted lab session on use of MATLAB for solving ODEs using various MATLAB solvers. Dr. J. L. Purohit helped participants to complete the LAB practice.

#### **Day 3(29<sup>th</sup> Dec)**

##### Lecture Session:

On the third day, session was started by Dr. M. S. Rao. He has introduced normal and shear stress to the participants. He also explained standard notation used in deriving important equation in fluid mechanics. He explained physical interpretation of Equation of continuity and Navier-Stoke equations.

After break of 15 minutes second session of the STTP was delivered by Miss Niraj Pathak who delivered a talk on Equation of Continuity and Navier-Stoke equations and then explained how to obtain solutions for the particular cases.

#### Laboratory Session:

After a Lunch Break LAB session started, in which Miss Niraj Pathak explained MATLAB code for solving algebraic equations and transcendental equations by giving examples and then gave practice to all the participants.

#### **Day 4(30<sup>th</sup> Dec)**

##### Lecture Session:

On the fourth day, session was started by Miss Niraj Pathak. She explained analytical method for solving partial differential equations. She derived one dimensional heat equation from the real problem and then find the solution using separable variable method. Then she explained solution of one dimensional and two dimensional wave equations.

After break of 15 minutes second session of the STTP was delivered by Dr. J. L. Purohit who explained method for solving some boundary value problems. Then he solved some real boundary value problem of Engineering.

#### Laboratory Session:

After a Lunch Break LAB session started, in which Dr. J. L. Purohit explained MATLAB code for solving boundary value problems and then participants were helped to solve some example problems.

### **Day 5(30<sup>th</sup> Dec)**

#### **Lecture Session:**

On the fifth day, session was started by Dr. J. L. Purohit. He Introduced Differential Algebraic equations and He explained about index of Differential Algebraic Equations. He classified Different Algebraic Equations.

After break of 15 minutes second session of the STTP was delivered by Dr. J. L. Purohit who explained method for solving Differential Algebraic Equations by giving different examples.

#### **Laboratory Session:**

After a Lunch Break LAB session start, in which Dr. J. L. Purohit explained MATLAB code for solving Differential Algebraic equations and then gave practice session to participants.

#### **Valedictory ceremony:**

The short term training programme ended with valedictory ceremony. This ceremony started with overview of the STTP which was given by Dr. J. L. Purohit.

Then Prof. R. K. Jain , Registrar of the University gave his motivational speech followed by oral feedback given by some participants. All participants were also requested to give written feedback.

Lastly, Miss Niraj Pathak proposed vote of thanks. Then, programme was ended with National Anthem.



## **Dr. Jalesh L. Purohit**

Dr. Jalesh Purohit is currently, working as Professor in Chemical Engineering Department, Dharmsinh Desai University, Nadiad located in a state of Gujarat, India. He received his Ph.D from IIT (Bombay) in 2014. He is having more than 20 years of teaching experience. His research interest lies in Nonlinear Dynamics and Multiplicity Analysis, Observe based Estimation and Optimal Control (MPC/NMPC) of systems described by differential – Algebraic equations, Parameter estimation and mathematical modelling. Dr. Purohit has publications in peer reviewed journals and conferences. He is also a reviewer in reputed journals published by Elsevier and Springer.

### **Educational qualification:**

Ph.D (2014, IIT-Bombay, India)

ME (2003, DDIT Deemed University, Nadiad, Gujarat, India)

BE (1995, Gujarat University, Gujarat, India)

### **Contact details:**

[jalesh.ch@ddu.ac.in](mailto:jalesh.ch@ddu.ac.in), [jalesh.purohit@gmail.com](mailto:jalesh.purohit@gmail.com)

Mobile: +91 9925665899

### **Area of interest:**

- Nonlinear Dynamics and Multiplicity Analysis
- Model Based Optimal Control (MPC/NMPC)
- Observer (KF, EKF, UKF, EnKF) based Estimation and Optimal Control,
- Dynamics, Estimation and Optimal Control of DAE Systems
- State and Parameter Estimation
- Mathematical Modeling and Simulation

### **Research Publications**

#### **Book chapter**

1. **Purohit, J. L.**, Patwardhan, S. C. and Mahajani, S. M., Performance Evaluation of Bayesian State Estimators for Nonlinear DAE Systems Using a Moderately High

Dimensional Reactive Distillation Column Model, Computer Aided Chemical Engineering, Vol. 37, pp. 1763-1768, **2015. Elsevier Publications**, ISBN: 978-0-444-63429-0. (DOI: 10.1016/B978-0-444-63577-8.50139-X)

2. T J. Patel, M S. Rao, **Jalesh L. Purohit**, V A. Shah, Input fault detection using ensemble Kalman filter for nonlinear descriptor system, Technologies for Sustainable Development, 1<sup>st</sup> edition, CRC press, Taylor & Francis, Ebook ISBN 9780429321573
3. T J. Patel, M. S. Rao, **Jalesh L. Purohit** and V. A. Shah, Kalman Filters for Descriptor Systems Applied in Domain of Fault Tolerant Control: A Review, ISBN: 978-1-53618-875-2, In Introduction to the extended Kalman filter, Nova Science Publishers

#### Peer reviewed Journal Publications

1. **Purohit, J. L.**, Patwardhan, S. C., Mahajani, S. M., “DAE-EKF-Based Nonlinear Predictive Control of Reactive Distillation Systems Exhibiting Input and Output Multiplicities”, *Industrial & Engineering Chemistry Research*, **2013**, Vol. 52, issue: 38, pp. 13699-13716, ACS Publication, (ISBN 0888-5885, Impact Factor: 3.573)
2. **Purohit, J. L.**, Mahajani, S. M., Patwardhan, S. C., “Analysis of Steady State Multiplicity in Reactive Distillation Columns”, *Industrial & Engineering Chemistry Research*, **2013**, Vol. 52, issue: 14, pp. 5191-5206, ACS Publication (ISBN 0888-5885, Impact Factor: 3.573)

#### Peer reviewed Conference Proceedings (International)

1. **Purohit, J. L.**, Extended Kalman Filter for Index-2 Differential Algebraic Equation Systems, IFAC PapersOnline, [Volume 54, Issue 20](#), 2021, Pages 554-559
2. T J. Patel, M S. Rao, **Jalesh L. Purohit**, V A. Shah, State Estimation of Nonlinear Descriptor Systems using Particle Swarm Optimization based Extended Kalman Filter, DOI: [10.23919/ECC51009.2020.9143854](#), IEEE European Control Conference, ECC-2020, S. Petersburg, Russia
3. T J. Patel, M S. Rao, **J L. Purohit**, V A. Shah, Input Fault Detection using En-KF for nonlinear descriptor system, International Conference on Engineering (NUiCONE 2019), November 21-22, **2019**, Ahmedabad, India.
4. **Purohit, J. L.**, Patwardhan, S. C., “Development of iterative extended Kalman filter for DAE system”, IFAC PapersOnline, 51-1, 2018, pp. 691-696.
5. Jayaram, V., **Purohit, J. L.**, Patwardhan, S. C., Biegler, L. T., “Development of a Moving Window Maximum Likelihood Parameter Estimator and its Application on Ideal Reactive Distillation System”, Vol. 49, Issue 7, 2016, pp. 484-489, *IFAC – PapersOnline Journal* (doi: 10.1016/j.ifacol.2016.07.389, Elsevier Publication)
6. Dhanwani, A. P., Srinivasarao, M., **Purohit, J. L.**, “Optimum Scheduling Under Batch Failure Scenario”, Vol. 49, Issue 1, **2016**, pp. 480 – 485, *IFAC – PapersOnline Journal* (doi: 10.1016/j.ifacol.2016.03.100, Elsevier Publication)
7. Jayaram, V., **Purohit, J. L.**, Patwardhan, S. C., Mahajani, S. M., “Adaptive Optimizing Control of an Ideal Reactive Distillation Column”, Vol. 48, Issue 8, **2015**, pp. 489 –

8. **Purohit, J. L.**, Patwardhan, S. C. and Mahajani, S. M., “State Estimation of a Reactive Distillation System Using Multi-rate DAE-EKF”, in the proceedings of first Indian Control Conference, **icc-2015**, IIT-Madras, 5<sup>th</sup> Jan – 7<sup>th</sup> Jan, 2015
9. **Purohit, J. L.**, Patwardhan, S. C., Mahajani, S. M., “Predictive Control of a Reactive Distillation Column Using Multirate DAE-EKF”, Vol. 46, Issue 32, 2013, pp. 75-80, *IFAC Proceedings Volumes* (doi: 10.3182/20131218-3-IN-2045.00168) (**ISSN 1474-6670**) (**DYCOPS – 2013**)
10. **Purohit, J. L.**, Patwardhan, S. C. and Mahajani, S. M., “ Nonlinear Predictive Control of Ideal Reactive Distillation Column Exhibiting Multiplicities ”, In proceedings of the 5<sup>th</sup> International Symposium of Design, Operation and Control of Process Systems **PSE – Asia**, Singapore, pp. 1581-1590, July 2010 (**ISBN: 978-981-08-6395-1**)
11. Gandhi, V. G., **Purohit, J. L.**, Dhanwani, A. P., “Alternative low cost adsorbents for the removal of dyes: A review article”, a paper presented at an International conference for Chemistry and Environment, December-**2005**, held at Indore.
12. Gandhi, V. G., **Purohit, J. L.**, Jayakumar, N. S., “Removal of malachite green dye from an aqueous solution by Azadirachta Indica (Neem) leaf powder”, a paper presented at an International conference for Chemistry and Environment, December-**2005**, held at Indore.

### National Proceedings

1. Dholariya Hitesh, **Purohit, J. L.**, “Steady state and Dynamic behavior of Reactive Distillation Column with Double Reactive Sections”, presented at *felicific-2015*, held at DDU.
2. Purohit, J. L., Patwardhan, S. C., Mahajani, S. M., “Observer based Nonlinear Predictive Control of Index-1 DAE Reactive Distillation System Exhibiting Multiplicities” presented at Research Scholar’s Symposium (RSS-2012), held at IIT-Bombay. (**received best paper award**)
3. Purohit, J. L., Mahajani, S. M., Patwardhan, S. C., “Steady State Multiplicities in Reactive Distillation Column: Thermo-Kinetic Analyses”, presented at Research Scholar’s Symposium (RSS – 2011), held at IIT – Bombay.
4. Shah, D. N., **Purohit, J. L.**, M. Srinivasarao “Pressure drop studies in two phase flow through converging and diverging geometry using non Newtonian fluids”, presented at 3<sup>rd</sup> International and 33<sup>rd</sup> National conference of Fluid Mechanics and Fluid power, held at IIT (Bombay), **Dec-2006**.
5. Shah, V. A. , **Purohit, J. L.**, Jayakumar, N. S., “Modeling of non-isothermal batch reactor”, presented during **CHEMCON – 2006**, the 59<sup>th</sup> annual session of Indian Institute of Chemical Engineers (IICHe) held at GNFC, Bharuch, **Dec – 2006**.
6. Dhanwani, A. P., Rao, M. S., **Purohit, J. L.**, Gandhi, V. G., “Batch heat transfer cooling of Newtonian and Non – Newtonian fluids using vertical tube coil in agitated

vessel”, A paper presented during **CHEMCON – 2005**, the 58<sup>th</sup> annual session of Indian Institute of Chemical Engineers (IChE), at IIT (Delhi), 18 – 22 Dec – **2005**

7. **Purohit, J. L.**, Dhanwani, A. P., Gandhi, V. G., “Experimental Investigation of Runaways and Parametric Sensitivity in Non-Isothermal Batch Reactor”, A paper presented during **CHEMCON – 2005**, the 58<sup>th</sup> annual session of Indian Institute of Chemical Engineers (IChE), at IIT (Delhi), 18 – 22 Dec – **2005**
8. **Purohit, J. L.**, and Jayakumar, N. S., “Model Reference Control of a Batch Reactor under Parametric Sensitivity”, A paper presented during **CHEMCON – 2004**, the 57<sup>th</sup> annual session of Indian Institute of Chemical Engineers (IChE), Mumbai, 27 – 30 Dec – **2004**.
9. Dutta, S. G., Rana, K. P., **Purohit, J. L.**, “RTD Modeling of Converging – Diverging Geometry”, A paper presented during **CHEMCON – 2004**, the 57<sup>th</sup> annual session of Indian Institute of Chemical Engineers (IChE), Mumbai, 27 – 30 Dec - **2004**.
10. Mehta, D., **Purohit, J. L.**, Jayakumar, N. S., “Effect of geometrical parameters on conversion in sieve tray column as reactor from RTD studies” a paper presented during **CHEMCON-2003**, 56<sup>th</sup> annual session of Indian Institute of Chemical Engineers, Bhubaneswar, Dec-19-22, **2003**
11. Bhatt, N, **Purohit, J. L.**, Jayakumar, N. S., “FEM Applications in Chemical Engineering” - a paper presented during **CHEMCON-2003**, 56<sup>th</sup> annual session of Indian Institute of Chemical Engineers, Bhubaneswar, Dec-19-22, **2003**
12. Vivek Singh and **Purohit, J. L.**, “Nonlinear Process Control Using Conventional Control Strategies”, a paper presented during **CHEMCON-2003**, 56<sup>th</sup> annual session of Indian Institute of Chemical Engineers, Bhubaneswar, Dec-19-22, **2003**
13. Joshipura, M. H. and **Purohit, J. L.**, “Feed stock recycling – An alternative to plastic waste management”, a paper presented during **CHEMCON-2000**, Calcutta, Dec-18-21.
14. Simaria, A. M., Jayakumar, N. S. and **Purohit, J. L.**, “An experimental study of ethyl acetate reaction with sodium hydroxide in a sieve tray geometry as a reactor”, a paper presented during **CHEMCON-2000**, Calcutta, Dec-18-21.

### **Expert Talk/Lectures Delivered:**

1. **Introduction to Advanced Control** – delivered on 21/4/2015 during an STTP on “Industrial Automation” organized by Chemical Eng. Dept. DDU
2. **Multivariable Control** - delivered on 23/4/2015 during an STTP on “Industrial Automation” organized by Chemical Eng. Dept. DDU
3. **State Estimation (Kalman Filter)** - delivered on 29/4/2015 during an STTP on “Industrial Automation” organized by Chemical Eng. Dept. DDU
4. **Finite Difference, Finite element and Finite Volume methods: BVP problems and solution methods** - delivered on 28/5/2015 during an STTP on “Computational Fluid Dynamics using ANSYS” organized by Mech. Eng. Dept. DDU

5. **Numerical methods for ODEs and PDEs (IVPs and BVPs):** - delivered on 14/4/2015 during an STTP on “Mathematical and Statistical Tools in Research” organized by Chem. Eng. Dept. DDU
6. **Advanced Control of Differential – Algebraic Equation Systems (DAEs)** – delivered on 22<sup>nd</sup> December, 2017, at Silver Oak University, Ahmedabad.
7. **Differential – Algebraic Equation Systems (DAEs) – Introduction and Some Recent Developments** – delivered during an STTP organised by Chem. Eng. Dept. DDU, 2017.
8. **‘Steady State and Dynamic Simulation with reference to Automation and Control Using Aspen Plus and Aspen Dynamics’** – delivered on 29/09/2020 organized by Chemical Eng. Dept., NIT – Jaipur
9. **‘Nonlinear Algebraic Equations, ODEs and PDEs – Numerical Solutions’** – delivered on 21/11/2020 organized by Chemical Eng. Dept., NIT - Jalandhar
10. **‘Steady State and Dynamic Simulation with reference to Automation and Control Using DWSIM’** – delivered on 17/04/2022 during STTP ‘Process Simulators for Chemical Engineering Applications’ organized by Chemical Eng. Dept., NIT – Jaipur
11. **‘Hands on session on MATLAB for Chemical Engineers’** – delivered on 13/04/2022 during ‘IMAZE-22’ organized by GCET, VV Nagar
12. **‘Introduction to Distillation, Operations and Troubleshooting’** delivered on 16/8/2022 as part of skill development program for chemical plant operators of Ami life science LTD. Vadoadara
13. Acted as session chair during GTSD-2021, an International Conference organised by Chemical Engineering Dept. FOT, DDU, 9 – 11 March, 2021

### **Reviewer of International/National Journals/Conferences:**

1. Industrial Engineering and Chemistry Research (*IECR J.*), ACS Publications
2. Chemical Engineering and Processing: Process Intensification, ELSEVIER Publications.
3. IFAC papers online (ACODS-2016), Elsevier Publications
4. Reviewer of NCERTE – 2016, National conference on Emerging Research Trends in Engineering, Organised by VGEC, Gandhinagar, 4 – 6 April, 2016.
5. Guest Editor, Water Energy Nexus Journal, 2021
6. Editor, Proceedings of first GTSD-2021 (9 to 11 March, 2021)
7. Reviewer of IFAC papers online (ACODS-2022), Elsevier Publications (ACODS-Feb22 to 25 2022, NIT Silchar)
8. Reviewer: International Journal of Dynamics and Control, Springer

<b>Name</b>	Dr. Niraj Pathak
<b>Highest Qualification</b>	Ph.D
<b>Designation</b>	Assistant Professor
<b>Department</b>	Mathematics
<b>Date of Joining the Institute</b>	01-07-2006
<b>Email</b>	nirajpathak.maths@ddu.ac.in
<b>Ph.D. Guided / Registered*</b>	02*
<b>Broad Area of Expertise/Interest</b>	
<ul style="list-style-type: none"> <li>• Celestial Mechanics</li> <li>• Orbital Mechanics</li> <li>• Astrophysics</li> </ul>	
<b>Membership of Professional Society</b>	ISTE
<b>Expert Talk Delivered</b>	11
<b>Conference, Seminar &amp; Workshop Organized</b>	1
<b>Conference, Seminar &amp; Workshop Attended</b>	10
<b>Publication Details</b>	
• International Journal	14
• International Conference	03
• National Conference	1
<b>Google Scholar Citations</b>	138
<b>Research Gate Citations</b>	123
<b>Scopus Citations</b>	91



## REGISTRATION

### Registration Fees

Students (UG/PG/Research Scholars)	: ₹ 200/-
Academicians	: ₹ 300/-
Industry Professional	: ₹ 500/-

Mode of payment is by CASH / DEMAND DRAFT

DD should be in favour of "DDU PHARMA EVENT" payable at NADIAD.

Please send the duly filled registration form along with fees to:

Faculty of Pharmacy,

Dharmsinh Desai University,

College Road, Nadiad-387001, Gujarat, India

ddupharmaevent@gmail.com, 9924107039

## ORGANIZER

### PATRON

Dr. H. M. Desai

Vice-Chancellor,

Dharmsinh Desai University, Nadiad.

### CONVENER

Dr. B. N. Subagia, Dean, FOP, DDU

### CO-ORDINATOR

Dr. Anand B. Pithadia

### EXECUTIVE MEMBERS

Dr. Mehul N. Patel

Dr. Tejas B. Patel

Dr. Tushar R. Patel

Mr. Jagat R. Upadhyay

Mr. Vipul T. Prajapati

Dr. Tejal G. Soni, Professor, FOP, DDU

### CO-COORDINATOR

Mr. Arun K. Soni

Dr. Sanjay P. Chauhan

Dr. Rajnikant B. Mardia

Mrs. Mayuree A. Patel

Mrs. Carol P. Macwan

Mrs. Dinal V. Patel

## For Information/Correspondence

DR. ANAND B. PITHADIA

+91 9825240367

anandpithadia.ph@ddu.ac.in

MR. ARUN K. SONI

+91 9106186196

arunsoni.ph@ddu.ac.in

# Current Methodologies in Clinical Research

## ONE DAY NATIONAL SEMINAR

March 15, 2018

Sponsored by



Department of Science & Technology  
Government of Gujarat



GUJARAT COUNCIL ON SCIENCE & TECHNOLOGY,  
DST, GOVERNMENT OF GUJARAT

Organized by



FACULTY OF PHARMACY  
DHARMSINH DESAI UNIVERSITY

College Road, Nadiad-387001, GJ. IN.

deanpharmacy@ddu.ac.in, www.ddu.ac.in

Ph: +91 268 2521036/2900470, Fax: +91 268 2520501





FACULTY OF PHARMACY  
DHARMSINH DESAI  
UNIVERSITY  
College Road,  
Nadiad-387001



**Program schedule for GUJCOST sponsored one day seminar on “Current Methodologies in Clinical Research”.**

Sr No	Time	Title
1	9:00 AM to 10: 00 AM	Registration , Tea, Breakfast
2	10:00 AM to 11:00 AM	Inaugural Function
3	11:00 AM to 12:00 PM	<b>Lecture 1:</b> Introduction to Clinical Research by Dr.Ashutosh Jani, Client Manager – Business Development, Lambda Therapeutic Research Ltd, Ahmedabad
4	12:00 PM to 01: 00 PM	<b>Lecture 2 :</b> Current Methodologies in Clinical Research by Dr. Barna Ganguly, Professor, Dept of Pharmacology, Pramukhswami Medical College, Karamsad
5	01:00 PM to 2:00 PM	<b>Lunch</b>
6	2:00 PM to 4: 00 PM	Poster Presentation
7	4:00 PM to 4:15 PM	High Tea
8	4:15 PM to 5:00 PM	Valedictory, Certificate & Award Distribution





Date: 12/06/2018

To,  
The Vice Chancellor,  
D. D. University,  
Nadiad.

Subject: Proposal to organize GUJCOST sponsored STTP at EC Dept.,

Respected Sir,

The Dept. of E & C Engg. has got sponsorship to organize STTP on "Emerging Wireless Communication Technologies - Fundamentals, Applications and Challenges". GUJCOST has sanctioned Rs. 30000/-. The details of the program are given below.

Coordinators : Dr. Hardip Shah and Dr. Prarthan Mehta  
Tentative Dates : 26<sup>th</sup> - 30<sup>th</sup> November 2018.  
Venue : Seminar Hall, Faculty of Technology  
Number of Participants : 40  
Reg. Fee : Rs. 750.00 (Rs. 250 for internal participants)  
*(with lunch for external only)*

Estimate of Income & Expenditure:

Sr. No.	Expenses		Income	
	Item	Estimate in Rs.	Item	Estimate in Rs.
1	Registration Kits & Speaker/Chair Felicitation	2500	Grant approved by GUJCOST	30000
2	Stationary, Printing Expenses & Miscellaneous Expenses	7500		
3	Lunch & Refreshments	15000	Income through registration fees	20000
4	Honorarium	12000		
5	Traveling Expenses for experts	8000		
6	Videography/Photography	5000		
	Total	50000	Total	50000

The expenses will be curtailed within the available fund, if required.

Kindly permit us to arrange the STTP and sanction the budget.

Dr. Hardip Shah  
Dept. of E & C Emgg.

Dr. Prarthan Mehta  
Dept. of E & C Emgg.

Dr. Nikhil Kothari  
Head, Dept. of E & C Emgg.

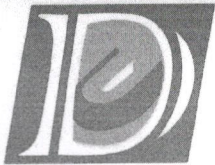
Through,

Prof. D. G. Panchal  
Dean, Faculty of Technology  
Approved by,

Dr. H. M. Desai  
Vice-Chancellor

Encl: 1. Sanction letter from GUJCOST, 2. STTP brochure.





26-30  
Nov-18

Date: 6-8-18

To,  
Mr. Dhaval Shah  
Manager - QA,  
Reliance Jio, Mumbai

Sub: Sponsorship for STTP at D. D. University.

Dear Sir,

Department of Electronics & Communication, Faculty of Technology is organizing a one week training program on "Emerging Wireless Communication Technologies - Fundamentals, Applications and Challenges", for faculty members and research scholars from different technical institutes as per following details.

Dates: 26th - 30th November 2018.  
Coordinators: Dr. Hardip Shah and Dr. Prarthan Mehta  
(Associate Professors, EC Dept.)

Reliance Jio has successfully launched low cost telecom services with latest technological support of LTE 4G, which has completely changed scenario in this sector throughout the country. Further, Reliance Jio has continued to be the leader in offering other services based on the next generation wireless technology. We understand that the company would be not only interested but enthusiastic also to support a program that is crafted to provide awareness about next generation wireless communication technology by a leading technical institute of Gujarat.

We request your financial as well as technical support for this program. Your company experts may engage the sessions and explain features and challenges in LTE.

You may revert back to the program coordinator for specific concerns and expectations if any.

Looking forward to your favourable reply.

Prof. D. G. Panchal,  
Dean, Faculty of Technology  
(Prof. D. G. PANCHAL)  
Dean

Faculty of Technology  
Dharmsinh Desai University  
College Road, NADIAD - 387 002

**Dharmsinh Desai University**

College Road, Nadiad 387 001, India. Ph : 91 0268 2520502 Fax : 91 0268 2520501 Website : www.ddu.ac.in



2630  
Nov  
18

07/08/2018

To,  
The Advisor,  
Gujarat Council on Science and Technology,  
Dept. of Science & Technology,  
Govt. of Gujarat,  
Gujrat.

Sub.: Rescheduling of STTP at D. D. University.

Ref.: Your letter GUJCOST/Sem-Sym 1807/2018-19/349 dated 01/06/2018

Dear Sir,

Thank you very much for supporting the activity.

Since we received the approval after the proposed dates (i.e. 30/04/2018), we have planned to conduct the program in October/November 2018 as GUJCOST being the Main Sponsor of the event. Exact dates will be intimated later.

We will submit the Utilization Certificate & the necessary documents within one month after the completion of the Program.

Regards,

*D. G. Panchal*

(Prof. D. G. Panchal)  
Dean, Faculty of Technology

Encls. : Sanction letter No.: GUJCOST/Sem-Sym 1807/2018-19/349

(Prof. D. G. PANCHAL)

Dean

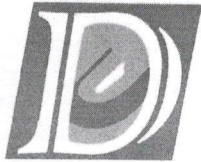
Faculty of Technology  
Dharmsinh Desai University  
College Road, NADIAD - 387 002



Certificate No. 5673 GMS 201

**Dharmsinh Desai University**

College Road, Nadiad 387 001, India. Ph : 91 0268 2520502 Fax : 91 0268 2520501 Website : [www.ddu.ac.in](http://www.ddu.ac.in)



# Faculty of Technology Dharmsinh Desai University

College Road, Nadiad - 387001, INDIA. Ph. 91 0268 2520502/503  
Fax : 91 0268 2520501 Website : www.ddu.ac.in

26-30  
Nov  
18

15/09/2018

Ref.:DDU/FOT/EC/GUJCOST/Seminar/2018/ 1193

To,  
The Advisor,  
Gujarat Council on Science and Technology,  
Dept. of Science & Technology,  
Govt. of Gujarat, Gujarat.

Sub. : Rescheduling of STTP at D. D. University.

Ref: Your letter GUJCOST/Sem-Sym 1807/2018-19/349 dated 01/06/2018

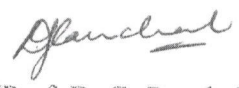
Dear Sir,

Thank you very much for supporting the activity.

The STTP on "Emerging Wireless Communication Technologies - Fundamentals, Applications and Challenges" is rescheduled from 26/11/2018 to 30/11/2018.

We will submit the Utilization Certificate & the necessary documents within one month after the completion of the Program.

Regards,

  
(Prof. D. G. Panchal)  
Dean

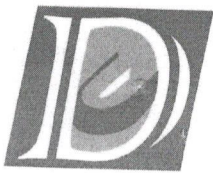
(Prof. D. G. PANCHAL)  
Dean  
Faculty of Technology  
Dharmsinh Desai University  
College Road, NADIAD - 387 001



Encls.:Sanction letter No.: GUJCOST/Sem-Sym 1807/2018-19/349

NAAC ACCREDITED





2630  
NOV  
18

Ref: DDU/EC/GJ/CSH/13704/2018

To,

March 12, 2018

The Advisor,  
Gujarat Council on Science & Technology,  
Gandhinagar

Dear Sir,

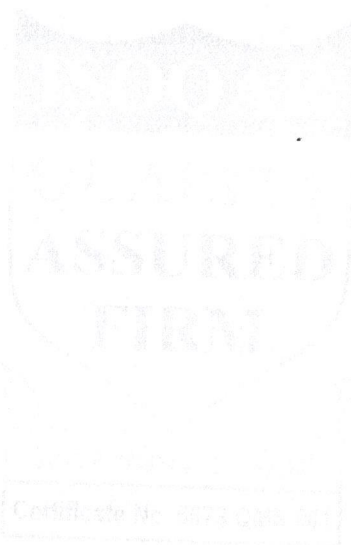
The application for the financial assistance for a Short Term Training Program titled "Emerging Wireless Communication Technologies – Fundamentals, Applications and Challenges" during 30/4/2018 to 4/5/2018, is enclosed for your kind consideration.

Looking forward for a positive reply.

(Prof. D. G. Panchal)  
Dean,  
Faculty of Technology,  
Dharmsinh Desai University,  
Nadiad.

(Prof. D. G. PANCHAL)  
Dean  
Faculty of Technology  
Dharmsinh Desai University  
College Road, NADIAD - 387 001

Encls.: Proposal in stipulated format.



**Dharmsinh Desai University**

College Road, Nadiad - 387 001, India. Ph : 91 0268 2520502 Fax : 91 0268 2520501 Website : [www.ddu.ac.in](http://www.ddu.ac.in)

26-30 NOV  
18

## Report

Short Term Training Program  
on  
Emerging Wireless Technologies – Fundamentals, Applications and Challenges  
(26<sup>th</sup> to 30<sup>th</sup> November, 2018)  
Organized by Department of Electronics and communication

sponsored by



**GUJARAT COUNCIL ON  
SCIENCE & TECHNOLOGY**

Department of Science & Technology  
Government of Gujarat

and



**IEEE GUJARAT SECTION**

### Number of Participants: 27

Faculty members from Faculty of Technology, Dharmsinh Desai University from EC, CE and IT dept. , GCET, Vallabh Vidyanagar and CGPIT, Bardoli have participated in the program

### List of the Experts :

1. Mr. Brijesh Shah, Asst. Vice President, Reliance Jio Infocomm, Mumbai
2. Dr. Dhaval Patel, Professor, Ahmedabad University, Ahmedabad
3. Mr. Manindersingh Virk, IAN Lead, Reliance Jio, Vadodara
4. Dr. Nikhil Kothari, Professor and Head, EC, FoT, Dharmsinh Desai University, Nadiad
5. Dr. Vinay Thumar, Associate Professor, EC, FoT, Dharmsinh Desai University, Nadiad
6. Dr. Hardip Shah, Professor, EC, FoT, Dharmsinh Desai University, Nadiad
7. Mr. Yogesh Solunke, Jyoti Microelectronics, Ahmedabad



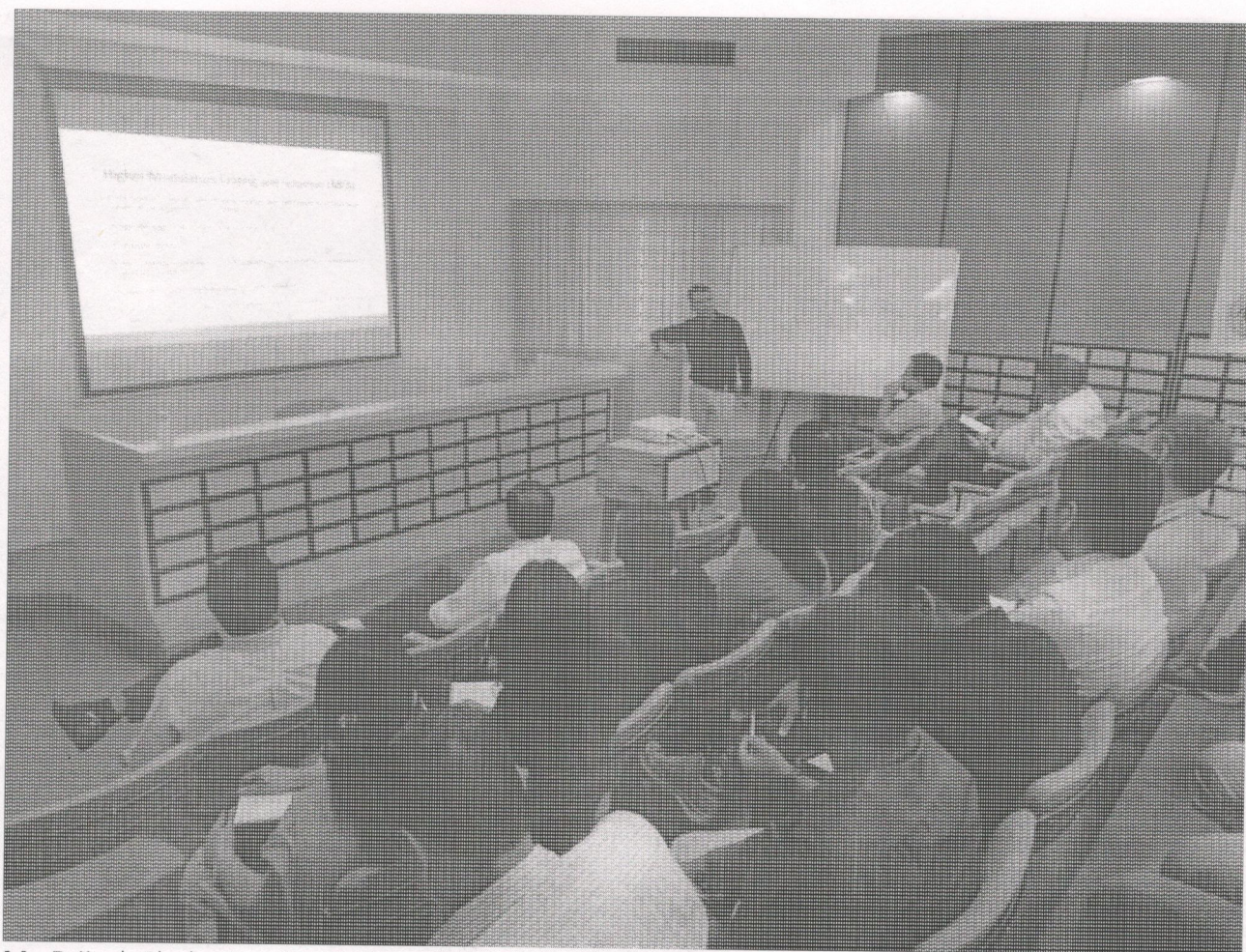


Group Photo graph of all the participants with Head, EC and one of the experts.

Day 1, 26 November, 2018

The program started with expert Lecture of Mr. Brijesh Shah, Asst. Vice President, Coverage and Capacity RF quality Assurance, Reliance Jio Infocomm, Mumbai. He covered various topics like Evolution of cellular Technology, 4G LTE and pre 5G scenario and delivered his talk whole day.



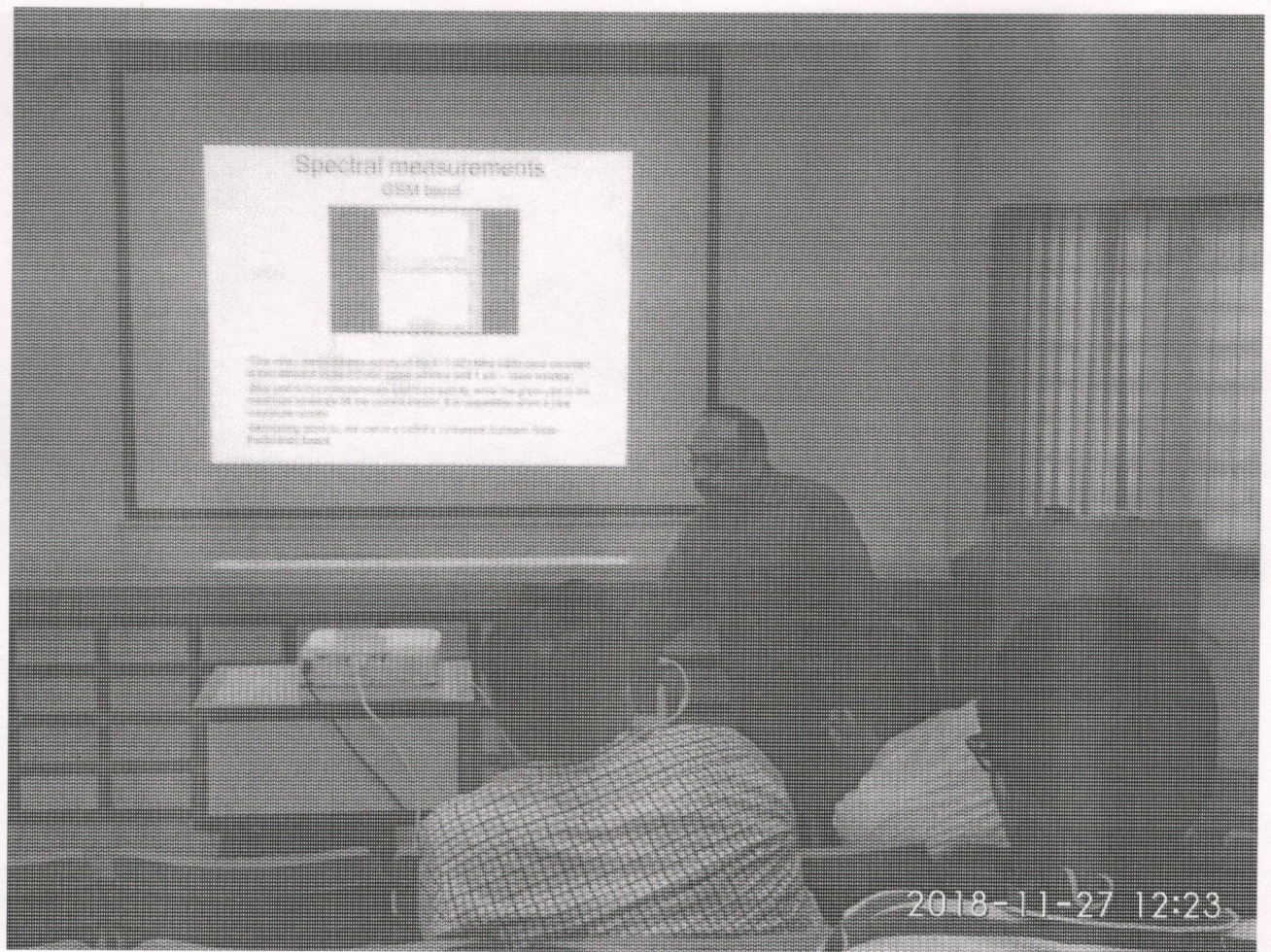


Mr. Brijesh Shah, Asst. VP, Reliance Jio Infocomm, Mumbai - delivering expert talk on Day 1.

Day 2, 27<sup>th</sup> November 2018

Few advance topics in wireless communication like Cognitive Radio, WCDMA , cooperative Relay were covered by Dr. Vinay Thumar, Asso. Professor, DDU in the morning session. Fundamentals of MIMO and OFDM were discussed by Dr. Hardip Shah, Professor EC and coordinator of the event in the post lunch session. The participants carried out hands on in the last session.





Day 3, 28<sup>th</sup> November 2018

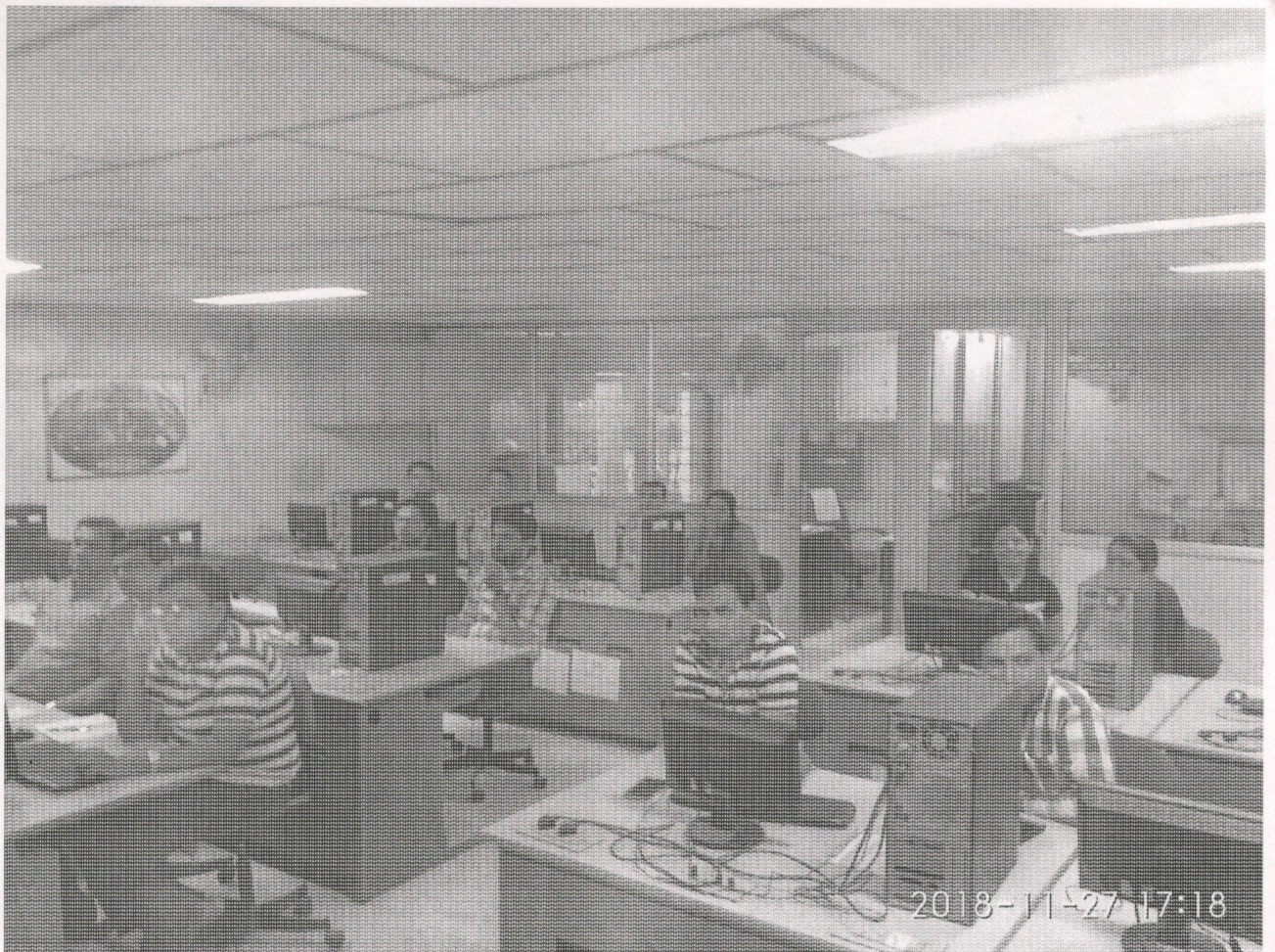
In the mornig Session, Dr. Dhaval Patel, Professor Ahmedabad University has shared details on Next Generation wireless communication and importance of upcoming technologies related to artificial intenlligence, Machine learning etc. He had also discussed his projects in collaboration with universities in UK.





Another sessions on the day was related to importance of research documentation and presentation using LaTeX followed by handson. The session was carried out by one of the coordinators of the event Dr. Hardip Shah. The session was made open for all the faculty members of FoT irrespective of their registration in the program.





Day 4, 29<sup>th</sup> November, 2018

Dr. Prarthan Mehta discussed the basics of metamaterials followed by a variety of its applications. He also demonstrated few implemented work based on the concept. To conclude the session he presented applications of his GUJCOST sponsored project.

Post lunch sessions were engaged by the experts from Jyoti Microelectronics, Ahmedabad. They have presented a typical design workflow for CST Microwave Studio followed by hadson sessions. They have also discussed a few design based on 5G technology also.

Day 5, 30<sup>th</sup> December, 2018

The morning session was aimed at motivating the research scholars and making them cautious about various factors during their research. The title was "Research – Simulations, Presentation and Publication" delivered by Dr. Nikhil Kothari, Professor and Head, EC Dept. DDU. He has presented with several case studies of research activities by some faculty members of the department. The session was made open for all the faculty members of FoT irrespective of their registration in the program.





Number of Participants: 27

Faculty members from Faculty of Technology, Dharmsinh Dadasaheb Desai University, Vadodra, Gujarat, India, participated in the program. The program was organized by the faculty members of the Faculty of Technology, Dharmsinh Dadasaheb Desai University, Vadodra, Gujarat, India.

The final session on "LTE 4G with service provider's perspective" was delivered by Mr. Manindersingh Virk, IAN Lead, Reliance Jio, Vadodra. The event was concluded with feedback from participants and certificate distribution.

1. Dr. Dinesh Patel, Professor, Ahmedabad University, Ahmedabad
2. Mr. Manindersingh Virk, IAN Lead, Reliance Jio, Vadodra
3. Dr. Shashikant, Professor and Head, EC, PGT, Dharmsinh Dadasaheb Desai University, Vadodra
4. Dr. Vinay Thakur, Associate Professor, EC, PGT, Dharmsinh Dadasaheb Desai University, Vadodra
5. Dr. Harish Shah, Professor, EC, PGT, Dharmsinh Dadasaheb Desai University, Vadodra
6. Mr. Yogesh Solanki, Head, Microelectronics, Ahmedabad



26-30 Nov  
18

**STTP On**  
**Emerging Wireless Communication Technologies-Fundamentals**  
**Application and Challenges**

Attendance sheet

Date: 24/11/2018

Sr. No.	Name of Participants	Sign (Session-1)	Sign (Session-2)	Sign (Session- 3)
1.	Manish K. Patel			
2.	Dr. Purvang Dalal			
3.	Patel Birenkumar Bharatbhai			
4.	Rizwan H. Alad			
5.	Patel keyurkumar Mahendrabhai			
6.	Vasim A. Vohra			
7.	Hardikkumar B. Patel			
8.	Mitul A. Shah			
9.	Patel Pinkesh Vasantbhai			
10.	Pallavi G. Darji			
11.	Bhavini D. Parmar			
12.	Prarthan D. Mehta			
13.	Hardip K. Shah			
14.	Goral J. Nakum			
15.	Hetal B. Shah			
16.	Nisarg K. Bhatt			
17.	Marmik B. Soni			
18.	Jitendra M. Shah			
19.	Mrudang Mehta			
20.	Viranchikumar N. Patel			
21.	Krupa Dave			
22.	Ankit P. Vaishnav			
23.	Ashish K. Gor			
24.	Harikrushna B. Rathod			
25.	Dipak K. Rabari			
26.	Mehul B. Shah			
27.	Mukesh Goswami , Goswami			



Department of Electronics & Communication,  
Faculty of Technology,

**Dharmsinh Desai University,**  
Nadiad



Organizes

**Short Term Training Program**

on

**Emerging Wireless Communication  
Technologies - Fundamentals,  
Applications and Challenges**

(26<sup>th</sup> November - 30<sup>th</sup> November, 2018)

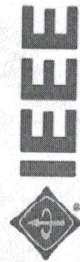
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Government of Gujarat

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IEEE GUJARAT SECTION

**Patron**

Dr. H. M. Desai,  
Vice Chancellor,  
Dharmsinh Desai University

Shri Ankurbhai Desai  
Campus Director

**Vice-Patron**

Prof. D. G. Panchal  
Dean, Faculty of Technology

**Convener**

Dr. Nikhil Kothari  
Head of Department

**Coordinators**

Dr. Hardip K. Shah  
echardip@ddu.ac.in,  
Mo: 9428153111

Dr. Prarthan Mehta  
mehtaprarthan.ec@ddu.ac.in  
Mo: 9427384610

**Venue**

Dept. of Electronics & Communication  
Faculty of Technology,  
Dharmsinh Desai University,  
College Road, Nadiad-387001,  
Gujarat.

Phone : 0268 - 2520502  
Fax : 0268 - 2520501  
Website : www.ddu.ac.in

**Registration Form**



**Short Term Training Program**  
on

**Emerging Wireless Communication  
Technologies - Fundamentals,  
Applications and Challenges**

(26<sup>th</sup> November - 30<sup>th</sup> November, 2018)

Name: \_\_\_\_\_

Gender: M/F \_\_\_\_\_

Designation: \_\_\_\_\_

Qualification: \_\_\_\_\_

Experience: \_\_\_\_\_ years

Institute: \_\_\_\_\_

Address (O): \_\_\_\_\_

Contact: (O) \_\_\_\_\_ (M) \_\_\_\_\_

Email: \_\_\_\_\_

Fee Details: \_\_\_\_\_

Student ☐

Faculty ☐

Industry ☐

Amount: \_\_\_\_\_

DD No.: \_\_\_\_\_

Bank: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of  
Applicant

Seal & Signature of  
sponsoring  
Authority / Institute



### About Department of Electronics & Communication

Accredited twice by NBA, the department was established in the year 1981 and at present offers UG as well as PG Program with doctorate studies extension. Well qualified faculty strength of the department includes doctorates and faculty members pursuing Ph. D. The department is engaged in research activities in the fields of Wireless Communication & Networking, Digital Signal Processing, VLSI, Image Processing and Antenna Modeling.

The department has ten well-equipped laboratories with state of the art equipments to cater to the needs of UG and PG students.

### Program Details

The recent migration of telecom networks to 4G wireless communication has not only enhanced data rate and quality of service but also changed the network architecture and consequently behavior and operation at network level. The trend is most likely to continue in case of the development and deployment of 5G networks as well. This is a result of successful application of different advance communication technologies of air interface (such as OFDM, MIMO...), network architecture (HetNet, SoN, CoMP, Relays...), Antenna design etc., which have undergone extensive investigations attempted by research community since long. This program is designed to address the need of faculty members, research scholars and professionals engaged in relevant field of technology.

The program includes sessions on design of Base Station (eNodeB), the issues and challenges in PHY and MAC layer of 4G LTE and challenges in development and deployment of the latest technologies. The program also covers design aspects of antenna miniaturization and numerical modeling. Additionally, simulation based hands-on for the relevant topics are planned during this STTP. The program will also equip the young researchers with the documentation and presentation skill using LaTeX. Technical sessions will be conducted by experts from industry and research organizations besides senior faculty members of the department.

The contents of the program are as follows.....

- » Fundamentals of OFDM, MIMO and Massive MIMO systems
- » Migration from 2G / 3G to 4G LTE
- » Issues and challenges in eNodeB design
- » PHY and MAC layer of 4G LTE / WiFi
- » Pre - 5G scenario
- » Cognitive Radio
- » Deep space (inter planetary) networks
- » Advancements in Antenna Technology
- » Research documentation and presentations using LaTeX

### Registration Details

The course is open to the academicians from Engineering Colleges and Polytechnics and PG students. Professionals working in R&D Organizations/Industries are also eligible to apply for the course.

The registration fees for different categories is mentioned below:

Academicians	₹ 750.00
Delegate from Industry	₹ 2000.00
PG students	₹ 500.00

The course fee includes working lunch, tea and a certificate upon sincere participation. Accommodation will be provided to the participants on chargeable basis on demand.

The mode of payment can be Cash or through DD. The DD should be drawn in favour of Dharmsinh Desai University A/C, Payable at Nadiad.

Last Date of Registration: 03/11/2018

Registration on first come first serve basis

26-30  
NOV-18





To,  
The Executive Secretary,  
ISTE, New Delhi.  
Date: 14/05/2018

Ref: ISTE/Proceedings/STTP-SF/GUJ-06/2018-19

SUB: Report of Short Term Training program conducted at Dharmsinh Desai University, Nadiad

Respected Sir,

With above mentioned reference, we are glad to inform you that we have successfully completed two weeks short term training program on "Machine Learning for Natural Language Processing". Twenty participants have successfully completed the program.

The necessary details of the program are attached here with. Please do the needful to issue certificates to successful participants.

Thanking You,

Yours Sincerely,

Dr. Brijesh Bhatt  
Co-ordinator,  
Department of Computer Engineering,  
D. D. University

Forwarded by,

Dr.C.K.Bhensdadia,  
Head, CE Department,  
D. D. University  
Attachement:

Prof.D.G.Panchal  
Dean, Faculty of Technology,  
D. D. University

1. Demand draft of Rs. 7080 (354 X 20 participants)
2. List of participants with ISTE number
3. Schedule with dates
4. Course notes (samples)
5. List of Experts with address & contact details
6. Sample photos
7. Question paper
8. Result Sheet
9. DVD1 (photo graphs, videos,)
10. DVD 2 (Detailed course notes, scan copy of registration form, feedback form)

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**Two Week ISTE Approved STTP on Machine Learning for NLP**  
**List of Participants with ISTE No.**

Sr No	Name	ISTE Membership No
1	Siddharth Shah	LM70883
2	Sheetal Shah	LM102382
3	Pinkal Chauhan	LM69697
4	Apurva Mehta	LM92562
5	Niyati Buch	LM121552
6	Vivek Patel	Applied for Membership
7	Hariom Pandya	LM92563
8	Jigar Pandya	LM104700
9	Ami Shah	LM102380
10	Ankit Vaishnav	LM102434
11	Ashish Gor	LM102433
12	Jignesh Prajapati	LM115486
13	Kinjal Mistree	LM90691
14	Hiren Patel	Applied for Membership
15	Shital Thakkar	LM42590
16	Chinmay Joshi	LM11342
17	Pooja Patel	Applied for Membership
18	Pooja Bhatt	LM108948
19	Minal Shah	LM101
20	Nikita Desai	LM54335





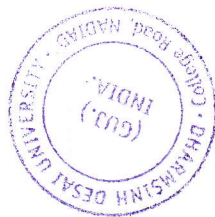
## Two week ISTE Approved STTP on Machine Learning for NLP



Schedule			
Date	Time	Topic	Name of Expert
23-04-2018	10.30 AM to 1.00 PM	Introduction to NLP	Dr. Brijesh Bhatt
23-04-2018	2.00 PM to 5.00 PM	Introduction to Python Programming - 1	Dr. Brijesh Bhatt
24-04-2018	10.30 AM to 1.00 PM	Morph Analysis	Prof. Jatayu Baxi
24-04-2018	2.00 PM to 5.00 PM	Introduction to Python programming - 2	Prof. Jatayu Baxi
25-04-2018	10.30 AM to 11.30 AM	Introduction to Support Vector Machine	Prof. Ashish Gor
25-04-2018	11.30 PM to 1.00 PM	Support Vector machine for text classification	Mr. Tirth Pandya
25-04-2018	2.00 PM to 5.00 PM	NLTK library for python	Dr. Brijesh Bhatt
26-04-2018	10.30 AM to 1.00 PM	Cognitive NLP	Dr. Abhijit Mishra
26-04-2018	2.00 PM to 5.00 PM	Python, working with corpora and basic text processing	Prof. Jatayu Baxi
27-04-2018	10.30 AM to 1.00 PM	Text Classification using Naive Bayes Classifier	Dr. Priyank Thakkar
27-04-2018	2.00 PM to 5.00 PM	Text processing and Regular expressions	Dr. Brijesh Bhatt
30-05-2018	10.30 AM to 1.00 PM	Introduction to Text Mining and deep learning tools	Dr. Amit Ganatra
30-05-2018	2.00 PM to 5.00 PM	Text preprocessing with nltk and TextBlob	Prof. Jatayu Baxi
01-05-2018	10.30 AM to 1.00 PM	Semantic Analysis	Dr. Brijesh Bhatt
01-05-2018	2.00 PM to 5.00 PM	building classifier with python - 1	Dr. Brijesh Bhatt
02-05-2018	10.30 AM to 1.00 PM	Deep learning with Jupyter	Dr. S. Rammohan
02-05-2018	2.00 PM to 5.00 PM	Text classification project	Prof. Jatayu Baxi
03-05-2018	10.30 AM to 11.30 AM	Ontology	Dr. Sanjay Chaudhary
03-05-2018	11.30 PM to 1.00 PM	Machine Learning & Deep Learning	Dr. Mehul Raval
03-05-2018	2.00 PM to 5.00 PM	Text classification project - II	Dr. Brijesh Bhatt
04-05-2018	10.30 AM to 11.30 AM	POS Tagging	Prof. Jatayu Baxi



Date	Time	Topic	Name of Expert
04-05-2018	11.30 PM to 1.00 PM	Machine Translation	Dr. Anoop Kunchukuttan
04-05-2018	2.00 PM to 5.00 PM	Project	Prof. Jatayu Baxi
05-05-2018	10.30 AM to 12.30 PM	Examination and Closing ceremony	





## ISTE Approved Two week STTP On Machine Learning for NLP

### List of Experts

Sr No	Expert Name	Address	Topic
1	Dr. Brijesh Bhatt	Associate Professor, Department of Computer Engineering, Faculty of Technology, Dharmsinh Desai Univesity, Nadiad ( Gujarat)	Introduction to NLP, Semantic Analysis, Text Classification in Python
2	Prof. Jatayu Baxi	Assistant Professor, Department of Computer Engineering, Faculty of Technology, Dharmsinh Desai Univesity, Nadiad ( Gujarat)	POS Tagging, Morph Analysis, Python Text Processing, Classifier Designing in Python
3	Prof. Ashish Gor	Assistant Professor, Department of Computer Engineering, Faculty of Technology, Dharmsinh Desai Univesity, Nadiad ( Gujarat)	Introduction to Support Vector Machine
4	Mr. Tirth Pandya	Software Engineer, Autonomous (self driving) program at Lyft , Palo Alto, California	Support Vector machine for text classification
5	Dr. Abhijit Mishra	Research Scientist, IBM Research , Bangalore, India	Cognitive NLP
6	Dr. Priyank Thakkar	Computer Engineering Department, Nirma University, Ahmedabad - Gujarat	Text Classification using Naïve Bayes Classifier
7	Dr. Amit Ganatra	Dean, Faculty of Engineering and Technology, CHARUSAT, Changa - Gujarat	Introduction to Text Mining and deep learning tools
8	Dr. S. Rama Mohan	Professor, Computer Science Department, Institute of Infrastructure Technology Research and Management, Ahmedabad - Gujarat	Deep learning with Jupyter





Sr No	Expert Name	Address	Topic
9	Dr. Sanjay Chaudhary	Associate Dean, School of Engineering and Applied Science, Ahmedabad University, Ahmedabad-Gujarat	Ontology
10	Dr. Mehul Raval	Associate Professor, School of Engineering and Applied Science, Ahmedabad University, Ahmedabad-Gujarat	Machine Learning & Deep Learning
11	Dr. Anoop Kunchukuttan	Senior Applied Researcher, Microsoft, Hyderabad	Machine Translation





**ISTE Approved Short Term Training Program**  
**on**  
**“Machine Learning for Natural Language Processing”**

**Question Paper**

**Max Marks : 40**

**Date: 5/5/18**

**Duration: 1 Hr**

**Instructions:**

- (A) All questions are compulsory
- (B) The paper contains two parts, Part A. multiple choice questions and Part B. short answer type question.
- (C) Every question in Part A is of 1 marks (Total 25 marks) and every question of part B is of 3 marks (Total 15 marks)

**PART A**

**Q: 1 Which of the following techniques can be used to find root word of a word?**

- (A) Lemmatization (B) Levenshtein (C) Soundex (D) All of the above

**Q: 2 How many bigrams can be generated from the given sentence?**

“Taj Mahal is located in Agra”

- (A) 4 (B) 5 (C) 6 (D) 7

**Q: 3 How many trigrams can be generated from the given sentence?**

“Taj Mahal is located in Agra”

- (A) 4 (B) 5 (C) 6 (D) 7

**Q: 4 How many bigrams can be generated from the given sentence after performing stop word removal?**

“ This is not a difficult question”

- (A) 2 (B) 3 (C) 4 (D) 5

**Q: 5 How many trigrams can be generated from the given sentence after performing stop word removal?**

“ To be or not to be”

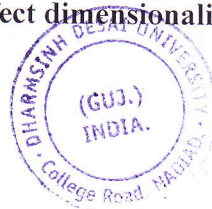
- (A) 0 (B) 2 (C) 3 (D) 4

**Q: 6 Consider that you have a data of about 10000 tweet text with it's sentiment class “positive” or “negative”. Which of the following model can be used to build a tweet sentiment classifier?**

- (A) Naive Bayes (B) SVM (C) Both A and B (D) None

**Q: 7 Which of the following is NOT TRUE?**

- (A) Removal of stop words can reduce dimensionality of the data
- (B) Part of speech tagging will reduce the dimensionality of the data
- (C) Applying PCA on word-document vector will reduce dimensionality of the data.
- (D) Converting all words in lowercase will affect dimensionality of the data.





Q: 8 What are the values of X, Y and Z for the statement, "A banana a day does not keep the doctor away."? X, Y and Z are defined as follows,

X = No. of Nouns in the sentence

Y = Number of Verbs in the sentence

Z = Number of words with frequency count greater than one.

(A) X=1, Y=1, Z=1 (B) X=2, Y=1, Z=1 (C) X=2, Y=2, Z=1 (D) X=2, Y=2, Z=2

Q:9 Which of the following approach is not used to build a Morph Analyzer ?

(A) HMM (B) Finite State Automata (C) Rule Based (D) Paradigm Based

For Q: 10 to Q:14, Consider the following Term – Document matrix.

Term	Document						
	d1	d2	d3	d4	d5	d6	d7
Q: 10							
Which two	t1	2	1	0	0	0	0
documents	t2	1	2	0	0	0	1
have same	t3	3	1	0	0	1	0
term count	t4	0	0	1	2	1	1
but zero	t5	0	0	1	1	1	1
similarity?	t6	0	0	1	1	0	0
(A)							
d1 & d2	(B) d2 & d4	(C) d3 & d5	(D) d5 & d7				

Q: 11 Which two documents have maximum similarity?  
(A) d1 & d3 (B) d5 & d6 (C) d6 & d7 (D) d2 & d3

Q : 12 Which document will be returned with highest rank if I search for "t1 t3"?  
(A) d1 (B) d2 (C) d3 (D) d4

Q: 13 Which two terms have highest co-variance?  
(A) t1 & t2 (B) t2 & t3 (C) t3 & t4 (D) t4 & t5

Q: 14 Which is the most common term?  
(A) t1 (B) t2 (C) t3 (D) t4

Q: 15 What is the right order of execution for the following components of a text classification system.

1. Removal of special characters and text cleaning
2. Stop word removal
3. Part of Speech tagging
4. Text prediction
5. Classifier training

(A) 1 2 3 4 5 (B) 1 3 2 5 4 (C) 5 4 3 2 1 (D) 4 5 1 2 3



Q: 16 Which of the following is an algorithm to identify correct sense of a word?

- (A) PCA (B) LSI (C) Lesk (D) SVM

Q: 17 Which of the following models can be used for the purpose of document similarity?

- A) Training a word 2 vector model on the corpus that learns context present in the document  
B) Training a bag of words model that learns occurrence of words in the document  
C) Creating a document-term matrix and using cosine similarity for each document  
D) All of the above

Q: 18 While working with context extraction from a text data, you encountered two different sentences: The tank is full of soldiers. The tank is full of nitrogen. Which of the following measures can be used to remove the problem of word sense disambiguation in the sentences?

- A) Compare the dictionary definition of "tank" (an ambiguous word) with the terms contained in its neighborhood  
B) Co-reference resolution in which one resolves the meaning of ambiguous word with the proper noun present in the previous sentence  
C) Use dependency parsing of sentence to understand the meanings  
D) Non of the above

Q : 19 Which of the following is not the part of Syntactic processing?

- (A) Inflection Detection (B) Part of speech identification  
(C) sense disambiguation (D) all of the above

Q: 20 Lexical Analysis phase detects the following,

- (A) Lexical Property (B) Morph Property  
(C) Semantic Property (D) All of the above

Q: 21 Which kind of ambiguity is present in the following statement?

"I saw a boy with a telescope"

- (A) POS ambiguity (B) Word Sense Ambiguity  
(C) Prepositional Phrase attachment (D) all of the above

Q: 22 Which of the following is a popular algorithm to solve Part of Speech Tagging Problem?

- (A) Lesk (B) HMM (C) SVM (D) None of the above

Q: 23 Which of the following Deep Learning network is popular to solve NLP problems?

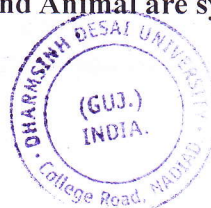
- (A) CNN (B) RNN (C) Both A & B (D) None of the above

Q: 24 Which of the following resource provides semantic relations between words?

- (A) Dictionary (B) Thesaurus (C) WordNet (D) all of the above

Q: 25 Which of the following is true for words "dog" and "animal"?

- (A) Dog is hypernym of Animal (B) Dog is hyponym of Animal  
(C) Animal is hyponym of Dog (C) Dog and Animal are synonyms





## **PART B**

- Q: 26** List and briefly define various stages of NLP.
- Q: 27** Briefly define steps to develop a text classification system in Python.
- Q: 28** Describe and compare CNN and RNN architecture of Deep learning networks.
- Q: 29** Define atleast three rules which can be used to develop Gujarati Morph Analyzer.
- Q: 30** How Gujarati is different from English? List atleast three features.



**ISTE Approved Two Week STTP on Machine Learning for NLP  
Result Sheet of Successful Participants**

Sr No	Name	Grade	ISTE Membership No
1	Siddharth Shah	A+	LM70883
2	Sheetal Shah	B	LM102382
3	Pinkal Chauhan	A	LM69697
4	Apurva Mehta	A	LM92562
5	Niyati Buch	A	LM121552
6	Vivek Patel	B+	Applied for Membership
7	Hariom Pandya	B+	LM92563
8	Jigar Pandya	A	LM104700
9	Ami Shah	B	LM102380
10	Ankit Vaishnav	A	LM102434
11	Ashish Gor	A	LM102433
12	Jignesh Prajapati	B+	LM115486
13	Kinjal Mistree	A	LM90691
14	Hiren Patel	A	Applied for Membership
15	Shital Thakkar	A	LM42590
16	Chinmay Joshi	B+	LM11342
17	Pooja Patel	B	Applied for Membership
18	Pooja Bhatt	A	LM108948
19	Minal Shah	B	LM101
20	Nikita Desai	A	LM54335





## ISTE Approved STTP on Machine Learning for NLP

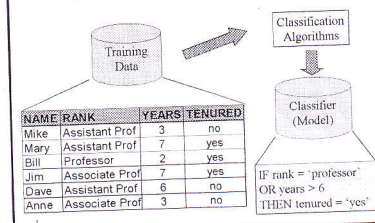
### Classification and Introduction to Support Vector Machine

Ashish Gor

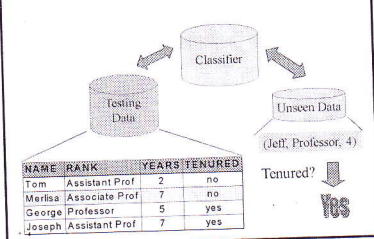
### Supervised vs. Unsupervised Learning

- Supervised learning (classification)
  - Supervision: The training data (observations, measurements, etc.) are accompanied by labels indicating the class of the observations
  - New data is classified based on the training set
- Unsupervised learning (clustering)
  - The class labels of training data is unknown
  - Given a set of measurements, observations, etc. with the aim of establishing the existence of classes or clusters in the data

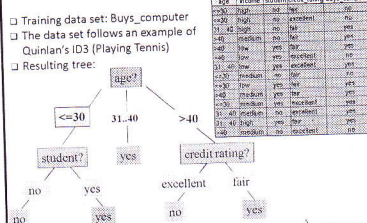
### Classification Process (1): Model Construction



### Process (2): Using the Model in Prediction



### Decision Tree Induction: An Example



### Classification as Pattern Recognition

pattern-label → feature extractor → classifier → class

- Feature extractor makes some measurements on the input pattern
- $X$  is called *Feature Vector*. Often,  $X \in \mathbb{R}^n$
- Classifier maps each feature vector to a class label.
- Features to be used are problem-specific.

### Some Examples of Pattern Recognition

- Character Recognition
  - Pattern – image
  - Class – identity of character
  - Features: Binary image projections (e.g., row and column sums, Moments etc.)
- Speech Recognition
  - Pattern – 1-D signal (or its sampled version)
  - Class – identity of speech units
  - Features – LPC model or chunks of speech, spectral info, cepstrum etc.
  - Pattern can become a sequence of feature vectors.

### Cont....

- Video-based Surveillance
  - Pattern – video sequence
  - Class – e.g., level of alertness
  - Features: Motion trajectories, Parameters of a pre-defined model etc.
- Document Classification
  - Pattern – A document and a query
  - Class – Relevant or not (in general, rank)
  - Features – word occurrence counts, word context etc.
- Spam filtering, diagnostics of machinery etc.

### Cont....

- Imposter detection (of e.g., credit card)
  - Pattern – A sequence of transactions
  - Class – Yes / No
  - Features: Amount of money, locations of transactions, times between transactions etc.
- Credit Screening
  - Pattern – Details of an applicant (or, e.g., credit card)
  - Class – Yes / No
  - Features: Income, job history, level of credit, credit history etc.





## ISTE Approved STTP on Machine Learning for NLP Part of Speech Tagging

Jalendu H Baxi  
CE Department, DDU

### Outline

- Introduction
- Applications of POS Tagging
- Classes of Word
- Ambiguity Issue
- HMM based POS Tagging
- Viterbi Algorithm

### What is POS ?

- A category to which a word is assigned in accordance with its syntactic functions.
- All words belong to categories called word classes according to the part they play in a sentence.

### Word Classes

- Words that somehow 'behave' alike:
  - Appear in similar contexts
  - Perform similar functions in sentences
  - Undergo similar transformations
- 9 traditional word classes of parts of speech
  - Noun, verb, adjective, preposition, adverb, article, interjection, pronoun, conjunction

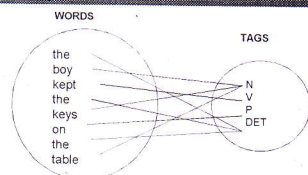
### Some Examples

- |       |             |                             |
|-------|-------------|-----------------------------|
| • N   | noun        | chair, bandwidth, pacing    |
| • V   | verb        | study, debate, munch        |
| • ADJ | adjective   | Beautiful, tall, ridiculous |
| • ADV | adverb      | unfortunately, slowly       |
| • P   | preposition | of, by, to                  |
| • PRO | pronoun     | I, me, mine                 |
| • DET | determiner  | the, a, that, those         |

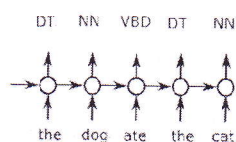
### POS Tagging

- POS Tagging is a process that attaches each word in a sentence with a suitable tag from a given set of tags.
- The set of tags is called the Tag-set.

### Example



### Example



### Importance of POS Tagging

- POS tell us a lot about a word (and the words near it).
  - E.g. adjectives often followed by nouns ( Beautiful Mind)
  - personal pronouns often followed by verbs ( I like to play cricket.
  - possessive pronouns by nouns ( Is this your car ?)
- It is First step in most of NLP applications.









## Text Classification

Dr. Priyank Thakkar  
Associate Professor,  
Computer Engineering Department,  
Institute of Technology  
Nirma University

## Outline

- Vector Space Model
- Text Classification
- Word2Vec

## Introduction

- What is text classification?

## Preprocessing [1]

- Preprocessing the text documents
  - Tokenization
    - all punctuation marks are removed and the character strings without spaces are considered as tokens.
  - Case conversion
  - Stemming
  - Stop word removal

## Indexing [1]

Document ID	Document Name	Words	Terms
$d_1$	Anthropology	114	85
$d_2$	Art	125	103
$d_3$	Biology	127	94
$d_4$	Chemistry	87	58
$d_5$	Computer science	124	84
$d_6$	Computer science	101	77
$d_7$	Control Systems	85	60
$d_8$	Economics	107	76
$d_9$	English	119	79
$d_{10}$	Geography	94	68
$d_{11}$	History	106	78
$d_{12}$	Mathematics	99	66
$d_{13}$	Modern Languages	110	75
$d_{14}$	Mus.	137	94
$d_{15}$	Philosophy	84	54
$d_{16}$	Physics	100	100
$d_{17}$	Political Science	120	89
$d_{18}$	Psychology	96	69
$d_{19}$	Sociology	96	66
$d_{20}$	Theatre	116	83
Total number of words/terms		2765	1948
Number of different words/terms		744	674

## Indexing [1]

- Boolean term document matrix

Document ID	Art	Library	management	computer	science
$d_1$	0	0	0	0	1
$d_2$	0	0	0	0	1
$d_3$	0	1	0	1	0
$d_4$	0	0	0	1	1
$d_5$	0	0	0	0	0
$d_6$	0	0	0	1	1
$d_7$	0	0	0	0	1
$d_8$	0	0	0	0	0
$d_9$	0	0	0	0	0
$d_{10}$	0	0	0	0	0
$d_{11}$	0	0	0	0	0
$d_{12}$	0	0	0	1	0
$d_{13}$	0	0	0	0	0
$d_{14}$	1	0	0	1	1
$d_{15}$	0	0	0	0	1
$d_{16}$	0	0	0	0	1
$d_{17}$	0	0	0	0	1
$d_{18}$	0	0	0	0	0
$d_{19}$	0	0	0	0	1
$d_{20}$	0	0	0	0	0

## Indexing [1]

- Term document matrix with term position

Document ID	Art	Library	management	computer	science
$d_1$	0	0	0	0	1714
$d_2$	0	0	0	0	171
$d_3$	0	163.66	0	168	0
$d_4$	0	0	0	176	140.23
$d_5$	0	0	0	0	0
$d_6$	0	0	180.42	111.18.81	0
$d_7$	0	0	0	0	194.2
$d_8$	0	0	0	0	157
$d_9$	0	0	0	0	0
$d_{10}$	0	0	0	0	0
$d_{11}$	0	0	0	0	0
$d_{12}$	0	0	0	0	0
$d_{13}$	0	0	0	0	0
$d_{14}$	1401	0	0	141	171
$d_{15}$	0	0	0	0	147.88
$d_{16}$	0	0	0	0	161
$d_{17}$	0	0	0	0	0
$d_{18}$	0	0	0	0	0
$d_{19}$	0	0	0	0	151
$d_{20}$	0	0	0	0	0

## Indexing [1]

- Term document matrix with term frequency (n documents and m terms)

Document ID	Art	Library	management	computer	science
$d_1$	0	0	0	0	0.012
$d_2$	0	0	0	0	0.011
$d_3$	0	0.022	0	0.011	0
$d_4$	0	0	0	0.017	0.014
$d_5$	0	0	0	0	0.011
$d_6$	0	0	0.026	0.028	0.039
$d_7$	0	0	0	0	0.033
$d_8$	0	0	0	0	0
$d_9$	0	0	0	0	0
$d_{10}$	0	0	0	0	0
$d_{11}$	0	0	0	0	0
$d_{12}$	0	0	0	0	0.015
$d_{13}$	0	0	0	0	0
$d_{14}$	0.011	0	0	0.011	0.011
$d_{15}$	0	0	0	0	0.015
$d_{16}$	0	0	0	0	0.011
$d_{17}$	0	0	0	0	0.011
$d_{18}$	0	0	0	0	0.011
$d_{19}$	0	0	0	0	0.011
$d_{20}$	0	0	0	0	0

## Indexing [1]

- Term document matrix with tf\*idf

$$IDF(t_i) = \log \frac{1 + |D|}{|D_{t_i}|}$$

$$d_i^j = TF(t_i, d_j) \cdot IDF(t_i)$$

- Vector space model

- The vector space model defines documents as vectors (or points) in a multidimensional Euclidean space where the axes (dimensions) are represented by terms.

- Depending on the type of vector components coordinates, there are three basic versions of this representation: Boolean, term frequency (TF), and term frequency-inverse document frequency (TFIDF).





## Machine Translation involving Related Languages

Anoop Kunchukuttan

Center for Indian Language Technology, IIT Bombay  
Microsoft AI & Research, Hyderabad

[anoopk@iitb.ac.in](mailto:anoopk@iitb.ac.in)

<https://www.csl.iitb.ac.in/~anoopk>



4<sup>th</sup> May 2016  
Dhamsth Desai Institute of Technology



### Outline

#### Machine Translation and Transliteration: A Crash Course

- What is Machine Translation?
- Machine Translation Paradigms
- Phrase-based SMT
- Evaluation of Machine Translation
- Machine Transliteration

#### Machine Translation Involving Related Languages

- What are Related Languages?
- Leveraging Orthographic Similarity
- Combining Multilingual and Subword-level Translation

### Outline

#### Machine Translation and Transliteration: A Crash Course

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#### Machine Translation Involving Related Languages

- What are Related Languages?
- Leveraging Orthographic Similarity
- Combining Multilingual and Subword-level Translation

## What is Machine Translation?

Automatic conversion of text/speech from one natural language to another



Be the change you want to see in the world

वह परिवर्तन बनो जो संसार में देखना चाहते हो

## Why do we need machine translation?

- |   |   |  |
|---|---|--|
| <b>Government</b>   | <b>Enterprise</b>   | <b>Social</b>  |
| <ul style="list-style-type: none"> <li>• Administration</li> <li>• Education</li> <li>• Security</li> </ul> | <ul style="list-style-type: none"> <li>• Product manuals</li> <li>• Customer support</li> </ul> | <ul style="list-style-type: none"> <li>• Travel (signboards, food)</li> <li>• Entertainment (books, movies, videos)</li> </ul> |

## Translation under the hood

Cross-lingual Search, cross-lingual Summarization, building multilingual dictionaries, etc.

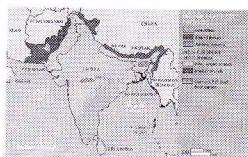
Any multilingual NLP system will involve some kind of machine translation at some level

## Why should you study Machine Translation?

- One of the most challenging problems in Natural Language Processing
- Pushes the boundaries of NLP
- Involves analysis as well as synthesis
- Involves all layers of NLP: morphology, syntax, semantics, pragmatics, discourse
- Theory and techniques in MT are applicable to a wide range of other problems like transliteration, speech recognition and synthesis

## Why should you study Machine Translation?

- 5+1 language families
  - Indo-Aryan (74% population)
  - Dravidian (24%)
  - Austro-Asiatic (1.2%)
  - Tibeto-Burman (0.8%)
  - Andaman languages (2 families?)
  - + English (West-Germanic)
- 22 scheduled languages
- 11 languages with more than 25 million speakers
  - 30 languages with more than 1 million speakers
  - Only India has 2 languages (+English) in the world's 10 most spoken languages
  - 7-8 Indian languages in the top 20 most spoken languages



## Why is Machine Translation difficult?

Language Divergence: the great diversity among languages of the world

- Word order: SOV (Hindi), SVO (English), VSO, OSV,
- Free (Sanskrit) vs rigid (English) word order
- Analytic (Chinese) vs Polysynthetic (Finnish) languages
- Different ways of expressing same concept
- Case marking systems
- Language registers
- Inflectional systems [inflecting (Arabic), fusional (Sanskrit), agglutinative (Marathi)]

... and much more

## Why is Machine Translation difficult?

- Ambiguity
  - Same word, multiple meanings:
  - Same meaning, multiple words: जल, पानी और (water)
- Word Order
  - Underlying deeper syntactic structure
  - Phrase structure grammar?
  - Computationally intensive
- Morphological Richness
  - Identifying basic units of words





# Classification

# Classification and Regression

# Linear and Non linear case

# Loss function

# Gradient Descent: The work horse

# Generalization Problem in Classification

### Underfitting

### Accuracy

### Overfitting

• Learning "Best" is about accurate prediction on unseen rather than seen data.

# Bias and Variance

# Question

# Artificial Neural network





# Ontology

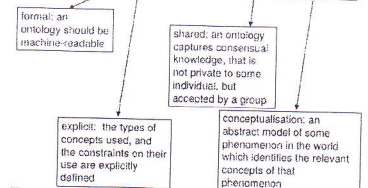
Artificial Intelligence and Knowledge Representation

## Outline

- Introduction
- Components of Ontology
- Types of Ontologies
- Ontologies in Knowledge Sharing and reuse
- Artificial Intelligence and Knowledge Representation
- Working examples (Slides from our Project, SOA for SOI)
- Conclusions

## What is an Ontology

An ontology is a formal, explicit specification of a shared conceptualisation



Studer, R., Benjamins, V.R., and Fensel, D.: Knowledge Engineering Principles and Methods. Data and Knowledge Engineering, 25, pp. 161-177, 1998.

## Different levels of definitions

1. Ontology as philosophical discipline
2. Ontology as a specification of a conceptualisation
3. Ontology as an informal conceptual system
4. Ontology as a formal semantic account
5. Ontology as a representation of a conceptual system via a logical theory
6. Ontology as the vocabulary used by a logical theory
7. Ontology as a (meta-level) specification of a logical theory

Provides useful guidelines

Knowledge Level

Symbolic Level

Guarino, N., Gnanoto, P.: Ontologies and Knowledge Bases. Towards a Terminological Classification. Towards Very Large Knowledge Bases: Knowledge Building and Knowledge Sharing. Maastricht, 1995, IOS Press, Amsterdam.

## Components of an ontology

$O = \{C, R, F, I, A\}$  = ontological commitment

Concepts = set of objects we want to talk about

Supervisor Student Professor

Relations = set of relations connecting these objects.

$R: C_1 \times C_2 \times \dots \times C_n \rightarrow \{R(C_1, C_2, \dots, C_n)\}$

Supervised by (Supervisor, Student)

Functions = set of functions defined on O

$F: C_1 \times C_2 \times \dots \times C_n \rightarrow C_1 \times C_2 \times \dots \times C_n$

Supervises: Supervisor → Student, Student, ..., Student

Axioms = sentences that are always true

$\forall x \text{ Student}(x) \supset \exists y \text{ Professor}(y) . y = \text{Supervisor}(x)$

Instances = the elements in the real world

Supervises: [Image of Supervisor] → [Image of Student]

## Different types of ontologies 1

Top-level ontologies: very general concepts or common sense knowledge. Domain independent.

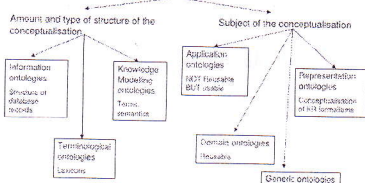
Domain ontologies: vocabulary related to a generic domain. Examples: medicine, physics.

Task ontologies: vocabulary related to a generic task or activity. Examples: diagnosis, selling.

Application ontologies: knowledge depending on both domain and task. It's usually the specialisation of both domain and task ontologies.

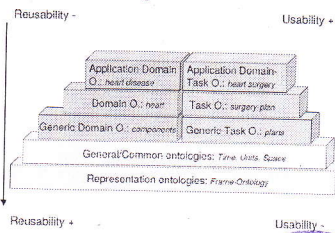
Guarino, N.: Formal ontologies in information systems. Proceedings of Formal Ontology and Information Systems, 1995.

## Different types of ontologies 2

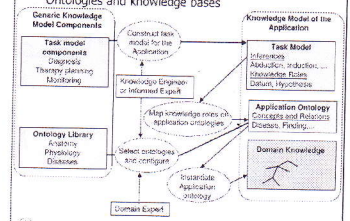


Van Hees, G., Schreiber, T., Vignaux, B.: Using Explicit Ontologies in KBS. International Journal of Human-Computer Studies, 46, 123-140, 1997.

## Libraries of ontologies



## Ontologies and knowledge bases



Van Hees, G., Schreiber, T., Vignaux, B.: Using Explicit Ontologies in KBS. International Journal of Human-Computer Studies, 46, 123-140, 1997.





## Indexing [1]

- Term document matrix with tf\*idf

Document ID	TFIDF Coefficients (Normalized)				
$d_1$	0	0	0	0	0
$d_2$	0	0	0	0	0
$d_3$	0	0	0	0	0
$d_4$	0	0	0	0	0
$d_5$	0	0	0	0	0
$d_6$	0	0	0	0	0
$d_7$	0	0	0	0	0
$d_8$	0	0	0	0	0
$d_9$	0	0	0	0	0
$d_{10}$	0	0	0	0	0
$d_{11}$	0	0	0	0	0
$d_{12}$	0	0	0	0	0
$d_{13}$	0	0	0	0	0
$d_{14}$	0	0	0	0	0
$d_{15}$	0	0	0	0	0
$d_{16}$	0	0	0	0	0
$d_{17}$	0	0	0	0	0
$d_{18}$	0	0	0	0	0
$d_{19}$	0	0	0	0	0
$d_{20}$	0	0	0	0	0

## Nearest Neighbor Classifier [1]

	distance	distance	distance	distance	distance	Class
Anthropology	0	0.127	0.437	0	0.075	A
Art	0	0	0.061	0.145	0.196	B
Biology	0	0.127	0.071	0	0.117	A
Chemistry	0	0.025	0	0.155	0.158	A
Computer Science	0	0	0	0.783	0.676	B
Constitutional Law	0	0.061	0	0	0.131	A
English	0	0	0	0	0	B
French	0	0	0	0.089	0	A
German	0	0	0	0.328	0	A
History	0.061	0	0	0.135	0	B
Mathematics	0.061	0.061	0.061	0.193	0.193	A
Modern Languages	0	0	0	0.025	0	B
Music	0.070	0	0	0	0.170	B
Philosophy	0.141	0	0	0.608	0	B
Physics	0	0	0.044	0	0.115	A
Political Science	0	0.070	0.345	0	0.067	A
Psychology	0	0.055	0.187	0.251	0.142	A
Sociology	0	0	0.024	0.579	0.459	A
Theatre	0	0	0	0	0.047	A

## Nearest Neighbor Classifier [1]

Document	Class	Similarity to Theatre
Anthropology	B	0.067073
Art	A	0.069075
Biology	B	0.069462
Chemistry	A	0.069899
Computer Science	B	0.070296
Constitutional Law	A	0.070672
English	A	0.071049
French	A	0.071425
German	A	0.071801
History	A	0.072177
Mathematics	A	0.072553
Modern Languages	A	0.072929
Music	A	0.073305
Philosophy	A	0.073681
Physics	A	0.074057
Political Science	A	0.074433
Psychology	A	0.074809
Sociology	A	0.075185
Theatre	A	0.075561

## Nearest Neighbor Classifier [1]

- 1-NN: B
- k-NN:
  - 3-NN: B
  - 5-NN: A
- Distance Weighted k-NN
  - Distance weighted 3-NN: B
  - Distance weighted 19-NN: A

## Naïve Bayes Classifier [1]

$$P(C|x) = \frac{P(x|C)P(C)}{P(x)}$$

$$P(x|C) = P(x_1, x_2, \dots, x_n | C) = \prod_{i=1}^n P(x_i | C)$$

## Naïve Bayes Classifier [1]

$$P(C|x) = \frac{P(x|C)P(C)}{P(x)} \quad P(x|C) = P(x_1, x_2, \dots, x_n | C) = \prod_{i=1}^n P(x_i | C)$$

	distance	distance	distance	distance	distance	Class
Anthropology	0	0	0	0	0	A
Art	0	0	0	0	0	B
Biology	0	0	0	0	0	A
Chemistry	0	0	0	0	0	A
Computer Science	0	0	0	0	0	B
Constitutional Law	0	0	0	0	0	A
English	0	0	0	0	0	A
French	0	0	0	0	0	A
German	0	0	0	0	0	A
History	0	0	0	0	0	B
Mathematics	0	0	0	0	0	A
Modern Languages	0	0	0	0	0	B
Music	0	0	0	0	0	B
Philosophy	0	0	0	0	0	B
Physics	0	0	0	0	0	A
Political Science	0	0	0	0	0	A
Psychology	0	0	0	0	0	A
Sociology	0	0	0	0	0	A
Theatre	0	0	0	0	0	A

$$P(A) = 11/19 = 0.578947$$

$$P(B) = 8/19 = 0.421053$$

$$P(A|Theatre) = \frac{P(A)P(Theatre)}{P(Theatre)} = \frac{0.0578947 \times 0.578947}{0.0578947} = 0.578947$$

$$P(B|Theatre) = \frac{P(B)P(Theatre)}{P(Theatre)} = \frac{0.0421053 \times 0.421053}{0.0578947} = 0.002553$$

$$P(A|Theatre) = \frac{P(A)P(Theatre)}{P(Theatre)} = \frac{P(Theatre)}{P(Theatre)} = 1$$

$$P(Theatre|A) = \frac{P(A)P(Theatre)}{P(A) \times P(Theatre) + P(B) \times P(Theatre)} = \frac{P(Theatre)}{P(A) + P(B)} = \frac{0.0578947}{0.0578947 + 0.0421053} = 0.578947$$

$$P(Theatre|B) = \frac{P(B)P(Theatre)}{P(A) \times P(Theatre) + P(B) \times P(Theatre)} = \frac{P(Theatre)}{P(A) + P(B)} = \frac{0.0421053}{0.0578947 + 0.0421053} = 0.421053$$

Laplace Correction

## Naïve Bayes Classifier - Multinomial [1]

Document	distance	distance	distance	distance	distance	Class
Anthropology	0	0	0	0	0	A
Art	0	0	0	0	0	B
Biology	0	0	0	0	0	A
Chemistry	0	0	0	0	0	A
Computer Science	0	0	0	0	0	B
Constitutional Law	0	0	0	0	0	A
English	0	0	0	0	0	A
French	0	0	0	0	0	A
German	0	0	0	0	0	A
History	0	0	0	0	0	B
Mathematics	0	0	0	0	0	A
Modern Languages	0	0	0	0	0	B
Music	0	0	0	0	0	B
Philosophy	0	0	0	0	0	B
Physics	0	0	0	0	0	A
Political Science	0	0	0	0	0	A
Psychology	0	0	0	0	0	A
Sociology	0	0	0	0	0	A
Theatre	0	0	0	0	0	A

$$P(i, m - Terms, j, n - Documents) = \frac{\sum_{j=1}^n n_{ij}}{\sum_{i=1}^m \sum_{j=1}^n n_{ij}}$$

$$P(i, d_j | C) = \left( \sum_{i=1}^m n_{ij} \right)! \prod_{j=1}^n \frac{P(i, j | C)^{n_{ij}}}{n_{ij}!}$$

$$P(history|A) = \frac{(9+1)/(57+2)}{(9+1)/(29+2)} = 0.017$$

$$P(history|B) = \frac{(9+1)/(29+2)}{(9+1)/(57+2)} = 0.323$$

$$P(Theatre|A) = \frac{5!}{0!} \times \frac{0.017^0}{0!} \times \frac{0.288^0}{0!} \times \frac{0.22^0}{0!} \times \frac{0.058^0}{0!} \times \frac{0.305^4}{4!} \times \frac{0.017^1}{1!}$$

$$P(Theatre|B) = \frac{5!}{0!} \times \frac{0.323^0}{0!} \times \frac{0.0323^0}{0!} \times \frac{0.0323^0}{0!} \times \frac{0.355^0}{0!} \times \frac{0.194^4}{4!} \times \frac{0.194^1}{1!}$$

## Naïve Bayes Classifier- Gaussian [3]

If  $A_4$  is continuous-valued, then we need to do a bit more work, but the calculation is pretty straightforward. A continuous-valued attribute is typically assumed to have a Gaussian distribution with a mean  $\mu$  and standard deviation  $\sigma$ , defined by

$$g(x, \mu, \sigma) = \frac{1}{\sqrt{2\pi}\sigma} e^{-\frac{(x-\mu)^2}{2\sigma^2}} \quad (6.13)$$

so that

$$P(x_i | C_i) = g(x_i, \mu_{C_i}, \sigma_{C_i}) \quad (6.14)$$

These equations may appear daunting, but hold on! We need to compute  $\mu_{C_i}$  and  $\sigma_{C_i}$ , which are the mean (i.e., average) and standard deviation, respectively, of the values of attribute  $A_i$  for training tuples of class  $C_i$ . We then plug these two quantities into Equation (6.13), together with  $x_i$ , in order to estimate  $P(x_i | C_i)$ .

## Naïve Bayes Classifier- Gaussian

Assume training set shown in the following table.

Temperature	Humidity	Play
85	85	No
80	90	No
85	70	No
70	95	No
75	80	No
83	78	Yes
83	96	Yes
70	90	Yes
65	85	Yes
65	70	Yes
75	80	Yes
75	70	Yes
72	90	Yes
81	75	Yes

Assume "Play" as the class attribute. Use Naïve Bayes classifier to predict whether play will be possible given the Temperature = 83 and Humidity = 64. Fit Gaussian distribution to the data.





## Morphology in NLP

Jaiyan H Baki  
CE Department, NDU

## Outline

- Introduction
- Related Terms
- Stemming
- Morph Analyzer
- Approaches to build Morph Analyzer
- Gujarati Morph Analyzer
  - Rule Based Approach
  - Probability Based Approach
- Challenges and Future Scope of Research

## NLP Phases

- Phonetics
- Morphology
- Syntactic Analysis
- Semantic Analysis
- Discourse
- Pragmatics

## Introduction

- Morphology is a branch of linguistics that carries out study of words, their internal structure and their meanings.
- A word can either be in its root form or it can have some inflection. Inflected word often exposes specific grammatical features.

### Example

Participants are attending short term training Program.

### Related Terms

- **Stem:** Stem is a Morpheme to which a syntactical suffix can be added to.
- **Root:** smallest meaningful part of a word.
- **Suffix:** A morpheme added at the end of a word to form a derivative.
- **Stemming:** Stemming is a process through which suffixes are removed and words are converted to their stems.

Stem example in Gujarati

- Consider three word forms : કરવું, કરાવવું and કરશે.
- Stem word for above forms is : કર

## Stem vs Root word

- Consider word ઊકરાઓ in Gujarati.
- Can you guess Root word and Stem for above word form ?
- Root Word : ઊકરૂ
- Stem : ઊકર

## Morpheme

- A morpheme is the smallest meaningful grammatical unit in a language.
- Morpheme may or may not stand alone.
- When a morpheme stands by itself, it is considered as a root because it has a meaning of its own.



## Seminar Outline

Pharmacovigilance (PV) is a branch of pharmacological science relating to the collection, detection, assessment, monitoring and prevention of adverse effects with pharmaceutical products. It is needed for the prevention of drug-induced adverse reaction (ADR) and to avoid financial risks associated with unexpected adverse effects. Seminar will help the delegates to gain depth knowledge of Pharmacovigilance system in India. It brings together representatives from academia, industry and healthcare professionals with the aim of promoting safe and rational use of drug for patient safety. Expert sessions include the regulatory aspects of Pharmacovigilance in which delegates will be guided through practical advice and adequate strategies to handle ADR and its reporting.

### Major Themes of Seminar

- ◆ Introduction to PV
- ◆ Management and Reporting of ADR
- ◆ Periodic Safety Update Reports
- ◆ Signal Detection
- ◆ Risk Management Systems
- ◆ Implementation of Risk Minimization Planning
- ◆ Carrier Aspects of PV in India

### Who can Participate

Academician/Researcher/Students of UG, PG & Professionals involved in:

- ◆ Drug Safety and Pharmacovigilance
- ◆ Risk Management & Benefit-Risk Assessment
- ◆ Clinical Research and Regulatory Affairs
- ◆ Pharmacoeconomics, and Post Marketing Studies

## Organizers

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**Dr. H. M. Desai**  
Vice Chancellor, DDU

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**Dr. Anand B. Pithadia**

**Co-Coordinator**  
**Mr. Arun K. Soni**

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**Dr. Rajnikant Mardia**      **Mrs. Carol Macwan**  
**Dr. Tushar Patel**      **Mrs. Dinal Patel**

**Dr. Anand B. Pithadia (9825240367)**  
**Mr. Arun K. Soni (9106186196)**

Faculty of Pharmacy,  
Dharmsinh Desai University,  
College Road,  
Nadiad-387001  
Gujarat, India

Email: [ddupharmaevent@gmail.com](mailto:ddupharmaevent@gmail.com)

For More Information



**Indian Council of  
Medical Research**  
(Govt. of India)  
**Sponsored**

**One Day National Level  
Seminar on**

**"Pharmacovigilance:  
Recent Aspects & Future  
Prospects"**

**19<sup>th</sup> January, 2018**



**Organized By**  
**FACULTY OF PHARMACY**

**DHARMSINH DESAI UNIVERSITY**  
(Approved by PCI, AICTE, NAAC Accredited,  
ISO 9001:2008 Certified)  
College Road, Nadiad-387001, Gujarat,  
India.

deanpharmacy@ddu.ac.in,  
[www.ddu.ac.in](http://www.ddu.ac.in)



## Registration Form:

ICMR sponsored One Day National Level

## Seminar On Pharmacovigilance: Recent Aspects & Future Prospects

Date: 19th January, 2018

Venue: Faculty of Pharmacy,

Dharmsinh Desai University, Nadiad

### Registration Form

Name: \_\_\_\_\_

Name of Organization/Company/College: \_\_\_\_\_

Address of correspondence: \_\_\_\_\_

UG/PG/ Academic/ Company/other: \_\_\_\_\_

M/F: \_\_\_\_\_ Phone No: \_\_\_\_\_

E-mail ID: \_\_\_\_\_

Registration fee (in cash): \_\_\_\_\_

Sign: \_\_\_\_\_

Dean/Principal/Head of Institute

or

Sign: \_\_\_\_\_

## Faculty of Pharmacy Dharmsinh Desai University

Dharmsinh Desai University (DDU) formerly known as DDIT, founded in 1968 by respected educationist, social worker and the Member of Parliament Late Shri Dharmsinh Desai. In the year 2000, it earned a status of Deemed University by Government of India, in recognition of its standards in academia. In April 2005, the Government of Gujarat declared the institution as a State University. D. D. University is approved by the UGC Under section 2F and 12B. Various institutes established under the roof of DDU are Technology, Dental, Pharmacy, Commerce, BBA, MBA, BCA, MCA, Hotel Management.

Faculty of Pharmacy (FOP) was established at Dharmsinh Desai University with sole motive to promote excellence in pharmaceutical education to meet the needs of industry and academia in 2006 offering B.Pharm. Faculty of Pharmacy is approved by Pharmacy Council of India (PCI). It offers M.Pharm in Pharmaceuticals and Quality assurance and Doctorate programme in various disciplines of Pharmacy. Sophisticated instrumental facilities available in university including Powder XRD, UV-NIR, DSC, TGA, FT-IR, GC-MS, Zetasizer, Rota Evaporator, ELISA reader etc. Institute is equipped with latest instrumentation facilities including Spray Dryer, Fluidized Bed Dryer, Lyophilizer, Tablet Compression Machine, HPLC, Tissue Culture Station etc. Considered an architectural splendor with ultramodern amenities, specially designed to suit the requirement of pharmacy education, Faculty of Pharmacy is now striving for establishing a research facility by undertaking research on fundamental and practical aspects of pharmaceutical science to provide leadership in academia and industries. FOP is an approved nodal center for startups and innovations under Industries Commissionate, Govt. of Gujarat.

## Registration fees

Registration Fees

Students (UG/PG/Research Scholar) Rs. 200

Academicians/Others 300

### Payment

Pay the registration fees only by Cash

Please send duly filled registration form along with registration fees to:

Mr. Arun K. Soni

Faculty of Pharmacy,

Dharmsinh Desai University

College Road, Nadiad-387001, Gujarat, IN.

Tel: +91-9106186196

Email: arunsoni.ph@ddu.ac.in

Note: Photocopied/downloaded registration forms can be accepted.

Faculty of Pharmacy, Dharmsinh Desai University,

FACULTY OF PHARMACY  
D. D. UNIVERSITY





Department of Oral and Maxillofacial Surgery  
Dr H M Desai Oral Cancer Treatment Center  
Faculty of Dental Science  
Dharmsinh Desai University, Nadiad-387001



***CDE ON COMPUTER AIDED DENTISTRY & 3D PRINTING***  
***BY DR.SURESH LUDHWANI*** ***DATE:21/11/2017***







Department of Oral and Maxillofacial Surgery  
Dr H M Desai Oral Cancer Treatment Center  
Faculty of Dental Science  
Dharmsinh Desai University, Nadiad-387001







**Department of Oral and Maxillofacial Surgery  
Dr H M Desai Oral Cancer Treatment Center  
Faculty of Dental Science  
Dharmsinh Desai University, Nadiad-387001**



**DENTAL  
PHOTOGRAPHY  
19/09/2017**







Department of Oral and Maxillofacial Surgery  
Dr H M Desai Oral Cancer Treatment Center  
Faculty of Dental Science  
Dharmsinh Desai University, Nadiad-387001



***CDE ON GTR AND GBR – THE PRINCIPLES SCIENCE AND APPLICATION  
IN DAY TO DAY DENTISTRY AND IMPLANT PRACTISE***

**DATE:20/02/2018**





Department of Oral and Maxillofacial Surgery  
Dr H M Desai Oral Cancer Treatment Center  
Faculty of Dental Science  
Dharmsinh Desai University, Nadiad-387001



**'LIVE SURGICAL WORKSHOP  
ON ARTHROSCOPY GUIDED  
TMJ ARTHROCENTESIS'**







**DEPARTMENT OF PERIODONTOLOGY & ORAL IMPLANTOLOGY**  
**FACULTY OF DENTAL SCIENCE**  
**DHARMSINH DESAI UNIVERSITY**  
College Road, Nadiad - 387001.

## **ORAL HYGIENE DAY CELEBRATION 2018**



### **LECTURE TAKEN BY DR. ANAL TRIVEDI**



**LECTURE ATTENDED BY NINETY NINE INTERNS ALONG WITH  
UNIVERSITY CO-ORDINATOR DR. BIMAL JATHAL, DEAN DR. HIREN  
PATEL AND FACULTY MEMBERS OF THE DEPARTMENT**



**DEPARTMENT OF PERIODONTOLOGY & ORAL IMPLANTOLOGY**  
**FACULTY OF DENTAL SCIENCE**  
**DHARMSINH DESAI UNIVERSITY**

College Road, Nadiad - 387001.





# Dharmsinh Desai University, Nadiad

## Department of MCA

### Report of Workshop on Basic Python Programming

A one day workshop was organized by Department of MCA on “Basic Python Programming” for the students on 3<sup>rd</sup> August, 2018.

This workshop was arranged for the students who need to learn Python programming language from basic and to get enough understanding on Python programming language.

The workshop covered the following topics

- ➔ Importance of Python in today's world
- ➔ How python is different from other languages and easy to learn?
- ➔ Setup of Python and its IDE
- ➔ Syntax of python programming
- ➔ Variable types and Operators
- ➔ Decision making and loops
- ➔ Strings and various operations on strings
- ➔ Lists, Tuples, Date & Time
- ➔ Question & Answer session

There were total 42 participants 38 students and **4 faculty members** .We have provided certificate to all the participants of this workshop.

Expert: Dr. Narayan A. Joshi  
Professor & Head,  
MCA Department,  
Dharmsinh Desai Univeristy.

Convener: Dr. Narayan A. Joshi  
Professor & Head,  
MCA Department,  
Dharmsinh Desai Univeristy.

Coordinator: Utsav P. Patel  
Assistant Professor,  
MCA Department,  
Dharmsinh Desai Univeristy.

Himanshu K. Purohit  
Assistant Professor,  
MCA Department,  
Dharmsinh Desai Univeristy.



Students are eager to learn Python Programming.





Dr. Narayan Joshi explaining the Python program code.



Demonstration of String operations in python.

## List of Participants

Name	
AMIN NIMIT DIPAK	Students
BAVASKAR PRACHI SUNILBHAI	Students
BUDHWANI AKASH JAYPRAKASH	Students
CHAKLASIYA NIKUNJ NAGJIBHAI	Students
DESAI JAINESH JAYKRUSHNA	Students
DUDHATRA CHARMIE HEMANTBHAI	Students
GOHIL RONAK PRABHUBHAI	Students
JOSHI ASHISH SANJAYBHAI	Students
KACHHIAPATEL SHRADDHA MAHESHBHAI	Students
KANOJIA SHARADKUMAR SURENDRAKUMAR	Students

KHACHARIYA HIRAL RAMESHBHAI	Students
KHALIFA ASHMABANU MUSTAKBHAI	Students
MAKWANA PRIYAL KIRANBHAI	Students
MANDALIA MOHIT KIRITBHAI	Students
MIRANI BHAGYASHREE BHAVESHBHAI	Students
MISTRY HIMANI KANTIBHAI	Students
MODI ZALAK DHARMESH	Students
MORI YUVARAJ DIPSANGBHAI	Students
PANCHAL HIMANSHU	Students
PARMAR BHUMIKABEN SURESHBHAI	Students
PATANVADIYA JAYESHKUMAR NAGINBHAI	Students
PATEL AKASH MAHESHBHAI	Students
PATEL MIT SHAILESHKUMAR	Students
RANA JATIN PRAVINBHAI	Students
RANA MAYURIBEN RAKESHBHAI	Students
RATHOD KAJAL ASHOKBHAI	Students
SHAH ABHAYKUMAR GIRISHKUMAR	Students
SHAH KHUSHBU MANISHKUMAR	Students
SHAH SNEH MUKESHKUMAR	Students
SHAH VIVEK RAJENDRABHAI	Students
SHAIKH SHAHNAWAZ MOHAMMEDIQBAL	Students
SINGH PRIYA RANJEET	Students
THAKOR NIKITABEN SUMANBHAI	Students
TRIVEDI MADHAVI HARSHADBHAI	Students
VAISHNAV HITESHKUMAR SEVADAS	Students
VANIYA TUSHAR ASHOKBHAI	Students
KANZARIYA KAUSHIK PRAVINBHAI	Students
PATEL MOHITKUMAR KAMLESHBHAI	Students
UTSAV P PATEL	Faculty
VIVEK J VYAS	Faculty
HIMANSHU K PUROHIT	Faculty
MEGHAL A PATEL	Faculty



# **Dharmsinh Desai University, Nadiad**

## **Master of Computer Applications Department**

### **Report of Workshop on Java Collection Framework & Stream API**

A one day workshop was organized by Department of MCA on “**Java Collection Framework & Stream API**” for the students of MCA, Computer & IT, BCA and faculty members on 29<sup>th</sup> September, 2018.

We called an expert from industry Mr. Pravin Jain. He is a Java Trainer and Evangelist at Zen Softech Pvt. Ltd., Vadodara.

The objective behind the workshop was to make students aware about Java Collection Framework & Stream API which is widely used in industries now a days and it also helps them during their placement interviews.

The workshop covered the following topics

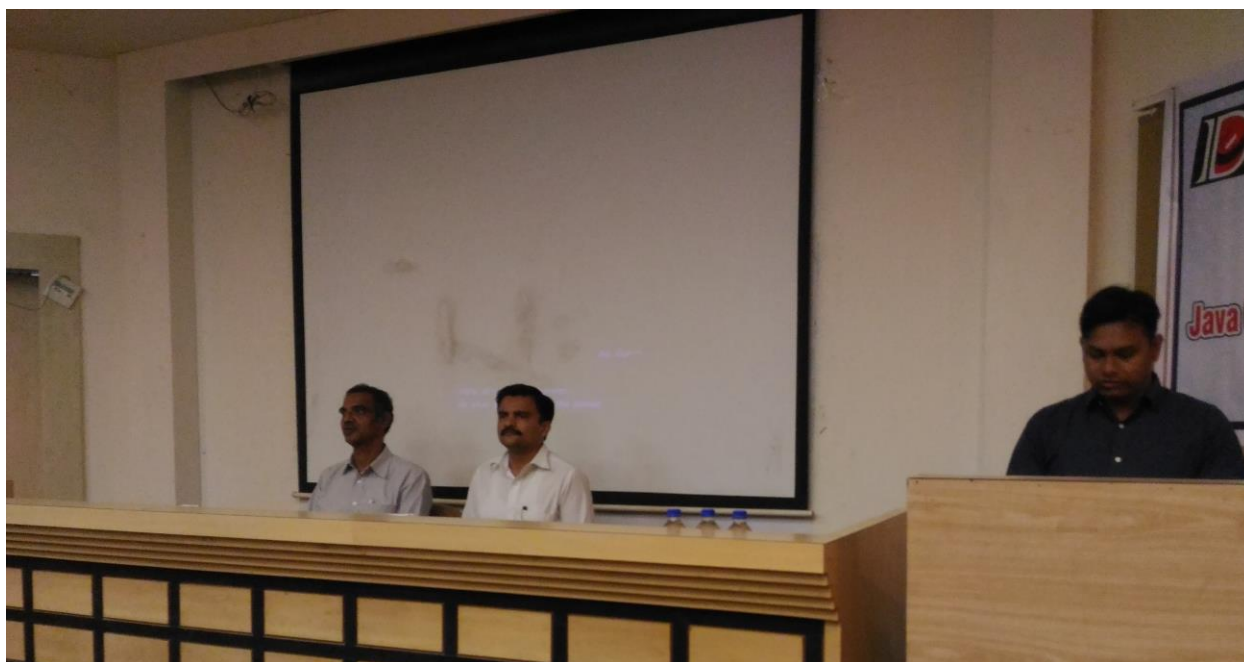
- ➔ forEach() method in Iterable interface
- ➔ Comparator interface
- ➔ default and static methods in Interfaces
- ➔ Functional Interfaces and Lambda Expressions
- ➔ Java Stream API for Bulk Data Operations on Collections
- ➔ min(), max() and sum() methods in Integer, Long and Double wrapper classes.
- ➔ logicalAnd(), logicalOr() and logicalXor() methods in Boolean class.
- ➔ Question & Answer session

There were total 108 participants where 102 students and 6 faculty members. We have provided certificate to all the participants.

Convener: Dr. Narayan A. Joshi  
Professor & Head,  
MCA Department,  
Dharmsinh Desai University.

Coordinator: Utsav P. Patel  
Assistant Professor,  
MCA Department,  
Dharmsinh Desai University.

Vivek J. Vyas  
Assistant Professor,  
MCA Department,  
Dharmsinh Desai University.



Introduction of the Expert given by workshop coordinator Utsav Patel at the beginning of workshop.



Dr. Narayan Joshi, Head of MCA Department was welcoming expert and participants of the workshop.





Mr. Pravin Jain was explaining the difference of compareTo() and Comparator interface.



Expert Pravin Jain sir demonstrated examples of collections.



Vote of thanks given by workshop coordinator Vivek J. Vyas at the end of workshop.





One of the student has given feedback how the topics of workshop are useful to them in further study and professional career.

## List of Participants

PATEL UTSAV P	Faculty
PUROHIT HIMANSU K	Faculty
VYAS VIVEK J	Faculty
JARDOS PURVI N	Faculty
PATEL HETAL M	Faculty
PATEL MEGHAL A	Faculty
BALWANI TWINKLE MURLIDHAR	Student
BARAD URVI JAYESHBHAI	Student
BAROT MILIND ASHOKBHAI	Student
BHANSALI NIDHIKUMARI MANGALKUMAR	Student
BHATIA DHARUVEN ASHOKBHAI	Student
BHATT KARAN DEVEN	Student
BHAVNANI PRIYANKA MANOJKUMAR	Student
BRAHMBHATT DHANUSHI CHETANKUMAR	Student
CHAUDHARI RONAKKUMAR NARAYANBHAI	Student
CHAUHAN KARAN PITAMBARBHAI	Student
CHHATRALA AJAY ANANTRAY	Student
DALAL YASH PARAGKUMAR	Student
DAVE PRIYANSHI GHANSHYAMBHAI	Student

DESAI VRUNDA DUSHYANY	Student
DESAI ANKNA AMRISHBHAI	Student
DHARAJIYA PRAGNESH RAMJIBHAI	Student
GADIYALI VAISHNVI DAVENBHAI	Student
GAJERA MEHULKUMAR VINUBHAI	Student
GANDHI ZEEL KAMLESHKUMAR	Student
GANDHI NISHA MANISHKUMAR	Student
GODIWALA LIZA VIRALKUMAR	Student
GUJARATI POOJAN PIYUSHBHAI	Student
GUPTA PULKIT VIPIN	Student
HALANI ASHISH NARESHBHAI	Student
HOTA SANGEETA SATYANARAYAN	Student
JEEVIT PANDITH	Student
JETLEY JAYESHKUMAR	Student
JOLIYA YASHKUMAR PARASKUMAR	Student
KACHHIYA SHIVANI NILESHBHAI	Student
KADAM MANASI GAUTAM	Student
KANSARA VIDHI HITESHBHAI	Student
KHATSURIYA YASH DIPAKBHAI	Student
KOSHTI NITIN RAJKUMAR	Student
MAKADIA PRATIK DILPIBHAI	Student
MALEK SAHILAHEMAD RIYAZHUSEN	Student
MALEK AZBA MOHAMMADNADIM	Student
MAURYA OMKAR ADYAPRASAD	Student
MEHTA ATREYA VIJAYKUMAR	Student
MEVADA UTSAVKUMAR VASANTLAL	Student
MIRANI BHAGYASHREE BHAVESHBHAI	Student
MODAK BHAKTI SURESH	Student
MULLA MOHAMMED SOHEL MOHAMMED SALIM	Student
NAGAR NISHA SURESHBHAI	Student
NATHAWANI UTSAV HARSHAD	Student
NIKAM RAVIKUMAR ARJUNBHAI	Student
NUKANI MANSI DILIPBHAI	Student
PANDYA VAISHALI KAMLESHBHAI	Student
PAREKH GUNJANKUMAR RAMESHBHAI	Student
PAREKH NIDHI ASHVINBHAI	Student
PARMAR KAJALBEN RAMESHBHAI	Student
PATAVANA HARSH DIPAKBHAI	Student
PATEL RITEN SUNILBHAI	Student



PATEL SHIVANI PANKAJBHAI	Student
PATEL VAIBHAV AMITBHAI	Student
PATEL ABHISHEK NIKUNDBHAI	Student
PATEL JANVI VIRAJBHAI	Student
PATEL ANJALI RAJESHBHAI	Student
PATEL CHANDNI ALPESHBHAI	Student
PATEL CHINMAY PARESHBHAI	Student
PATEL YASH A	Student
PATEL JANKI DHARMENDRA	Student
PRAJAPATI CHIRAGBHAI KANJIBHAI	Student
PRAJAPATI SHIVANGI BHUPENDRA	Student
PRAJAPATI DHRUSHA BHUPENDRABHAI	Student
PUNJABI MANAN ASHOKKUMAR	Student
RAICHURA BANSI RAJESHBHAI	Student
RAJANI NISHITA HITESHKUMAR	Student
RAJPARA JEMISH HARESHBHAI	Student
RATHWA SMITABEN REVABHAI	Student
RAYAJADA ABHIJITSINH REVTUBHA	Student
RUPABHEDA DEVANSHEE HASAMUKHBHAI	Student
SABHAYA DRASHTI KAMLESHBHAI	Student
SEN ANIRUDDHA SHIVADITYA	Student
SHAH KRUPAL VIMALBHAI	Student
SHAH NIDHI RAJIV	Student
SHAH KRISHNA SAMIRKUMAR	Student
SHAH POOJABEN RAMESHBHAI	Student
SHAH BHUMI DINESHCHANDRA	Student
SHAH ANJALI RAJESHBHAI	Student
SHAH JAINI KAMESHBHAI	Student
SHAH KRINA UMESHKUMAR	Student
SHAH DIVYANG HEMANTKUMAR	Student
SHAH PARITA BHAVYESH	Student
SHAH KAVIL ANJAYBHAI	Student
SHAIKH MUKANBANO RAFIKBHAI	Student
SHAIKH ARBAZ RAFIKBHAI	Student
SHUKLA KARNIKA BANKIMCHANDRA	Student
SIMEJIYA KHYATI ARVINDBHAI	Student
SINDHI SALONI SURENDRABHAI	Student
SINGH PANKAJKUMAR HARENDRA	Student
SONAGARA MAYUR KANTILAL	Student
SONI ABHISHEK RAJENDRAKUMAR	Student

SONI VRAJESH PARGNESHKUMAR	Student
THAKAR SHARVARI V.	Student
UJJDINI YUNUS MOIZBHAI	Student
UNDAVIA HARDIL DILIPBHAI	Student
VAGELA CHITTAL DINESHBHAI	Student
VAGHELA KEVALKUMAR ANILBHAI	Student
VASAVA YAKSHITA MAHESHBHAI	Student
VEGADA JEET MANISHKUMAR	Student
VYAS VISHAL RAVINDRAKUMAR	Student
ZALA DIGVIJAYSINH DHARMENDRASINH	Student



**An Executive Summary Report**

**on**

**GUJCOST Sponsored & ISTE Approved**

**1-Week Short Term Training Programme (STTP)**

**on**

**“Linux: Usage, Administration & Open Source Software”**

**Organized by**

**Department of MCA  
Dharmsinh Desai University**

**Coordinators**

**Dr Narayan Joshi (Professor & Head, Department of MCA)**

**Dr Ajay Roy (Asst. Professor, Department of MCA)**

**GUJCOST Sponsored & ISTE Approved 1-week STTP on “Linux: Usage, Administration & Open Source Software”**

**01.04.2019 – 05.04.2019**

**STTP Schedule**

	<b>1.04.2019</b>	<b>2.04.2019</b>	<b>3.04.2019</b>	<b>4.04.2019</b>	<b>5.04.2019</b>
	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>10.30 - 11.15</b>	<b>STTP Inaugural &amp; High Tea</b>				
<b>Session-1 10.30 am - 12.00 noon</b>	Introduction to Linux OS & Kernel (11.15-12.00) (NJ)	Packet Tracing with WireShark (SM)	Linux Installation & Basics Commands (VT)	Disk Partititons & File Systems Management (NV)	Open Source Software & Licensing (AR)
<b>Session-2 12.00 noon -1.30 pm</b>	Kernel Programming (NJ)	Scientific Computing with SciLab (SM)	File & User Management (VT)	Swap Space Management & Mounting FS (NV)	Cloud Computing (DK)
<b>Lunch break</b>					
<b>Session-3 2.15 pm - 3.45 pm</b>	Image Processing with OpenCV (DI)	Device Driver Programming (NJ)	Security & Software Management (VT)	Volume Management (NV)	CloudSim (DK)
<b>Session-2 3.45 pm - 5.15 pm</b>	Lab Session	Lab Session	Lab Session	Lab Session	Assessment & Valedictory



<b>GUJCOST Sponsored &amp; ISTE Approved 1-week STTP on “Linux: Usage, Administration &amp; Open Source Software”</b>			
<b>01.04.2019 – 05.04.2019</b>			
<b>Session viz. Topics details</b>			
<b>Date</b>	<b>Session</b>	<b>Speaker</b>	<b>Details</b>
01.04.2019	I	Dr Narayan Joshi	Introduction to LINUX OS, What is Linux Kernel? Role of Linux Kernel
			Open Source Linux kernel; installing kernel headers
	II	Dr Narayan Joshi	Linux Kernel Programming; developing, compiling kernel programs; kernel programming macros
			managing kernel programs
	III	Prof Dippal Israni	Fundamentals of image processing, installing OpenCV
			image operations, video operations
	IV	Lab Session	Lab Session
02.04.2019	I	Prof Sapan Mankad	Importance of network packet tracing; installing WireShark
			Capturing and analyzing network packets
	II	Prof Sapan Mankad	Scilab: Installing and configureing SciLab, datatypes, script programming
			importing and exporting data
	III	Dr Narayan Joshi	Linux Device Drivers: types of drivers, major & minor number
			Developing device driver, testing device driver in user space
	IV	Lab Session	Lab Session
03.04.2019	I	Vatsal Thakor	Linux: Introduction, evolution, history; installing linux
			Linux basic commands
	II	Vatsal Thakor	File management commands: file, touch, cp, mv, rm, rmdir
			Directory & User management commands: cd, mkdir, who, whoami, useradd, userdel, groupadd, groupdel
	III	Vatsal Thakor	Ownership management & ACLs: chmod, chown, chgrp, setfacl, getfacl
			Security management: selinux, getenforce, setenforce
	IV	Lab Session	Lab Session
04.04.2019	I	Nilesh Vaghela	Linux File system, types of file systems
			Overview of disk partitions
	II	Nilesh Vaghela	Partition management: add partitions and file systems to a linux system
			Mounting file system on temporary and permanent basis
	III	Nilesh Vaghela	Volume management: adding, resizing, removing volumes
			Managing swap space
	IV	Vatsal Thakor	Hands on practice in laboratory; adding PC to network
05.04.2019	I	Dr Ajay Roy	Open Source Software: opportunities & challenges
			Open Source Software Licensing
	II	Dr Dinesh Kumar	Cloud computing: applications in various societal domains
			Open source cloud computing; Introduction to CloudSim
	III	Dr Dinesh Kumar	CloudSim: installation and configuration; example programs
			Anlyzing results
	IV	Assessment	Assessment & valedictory

Speakers-ResourcePersons

GUJCOST Sponsored & ISTE Approved 1-week STTP on “Linux: Usage, Administration & Open Source Software”

01.04.2019 – 05.04.2019

Speakers/Resource-persons Details

Speaker Initials	Speaker Name	Affiliation
NJ	Dr Narayan Joshi	Professor & Head, Department of MCA, Dharmsinh Desai University
DI	Prof Dippal Israni	Asst. Professor, CSE Department, CHARUSAT University
SM	Prof Sapan Mankad	Asst. Professor, CSE Department, NIRMA University
VT	Mr Vatsal Thakor	RedHat Certified Trainer & Examiner, RedHat India (Bangalore)
NV	Mr Nilesh Vaghela	Founder & CEO, ElectroMech Corporation, Ahmedabad
AR	Dr Ajay Roy	Asst. Professor, MCA Department, Dharmsinh Desai University
DK	Dr Dinesh Kumar	Asst. Professor, CSE Department, Pandit Dindayal Petroleum University



**Venue: Seminar Hall**

**Number of Participants : 49**

The Inaugural ceremony witnessed presence of invited guests: Dr R K Jain (Registrar, Dharmsinh Desai University), Dr Naresh Patel (Dean, Faculty of Management Studies, Dharmsinh Desai University), Prof D G Panchal (Dean, Faculty of Technology, Dharmsinh Desai University) and Prof D J Vyas (Secretary, ISTE DDU Chapter).

Dr Ajay Roy (Asst Professor, MCA Department) welcomed invited guests and participants. He also mentioned that the STTP is sponsored by GUJCOST and approved by ISTE.

Dr Narayan Joshi (Professor & Head, Department of MCA) presented day viz. schedule of STTP. He explained importance of all three technical constituent tracks of STTP: Linux fundamentals and administration, Customizing Linux by means of Kernel Programming, and widely used open source software in academia and research domains. He shared gratitude of thankfulness to Department of Science & Technology, Gujarat (GUJCOST) and Indian Society for Technical Education (ISTE).

Dr Naresh Patel (Dean, FoMIS), in his speech mentioned importance of Linux & Open Source software. Dr R K Jain (Registrar) discussed importance of such type of training programmes for teachers. He conveyed best wishes to Department of MCA, and encouraged participants to take maximum advantage of the STTP sessions.

Prof D J Vyas (Secretary, ISTE DDU Chapter) discussed about various schemes offered by ISTE for teachers and students.

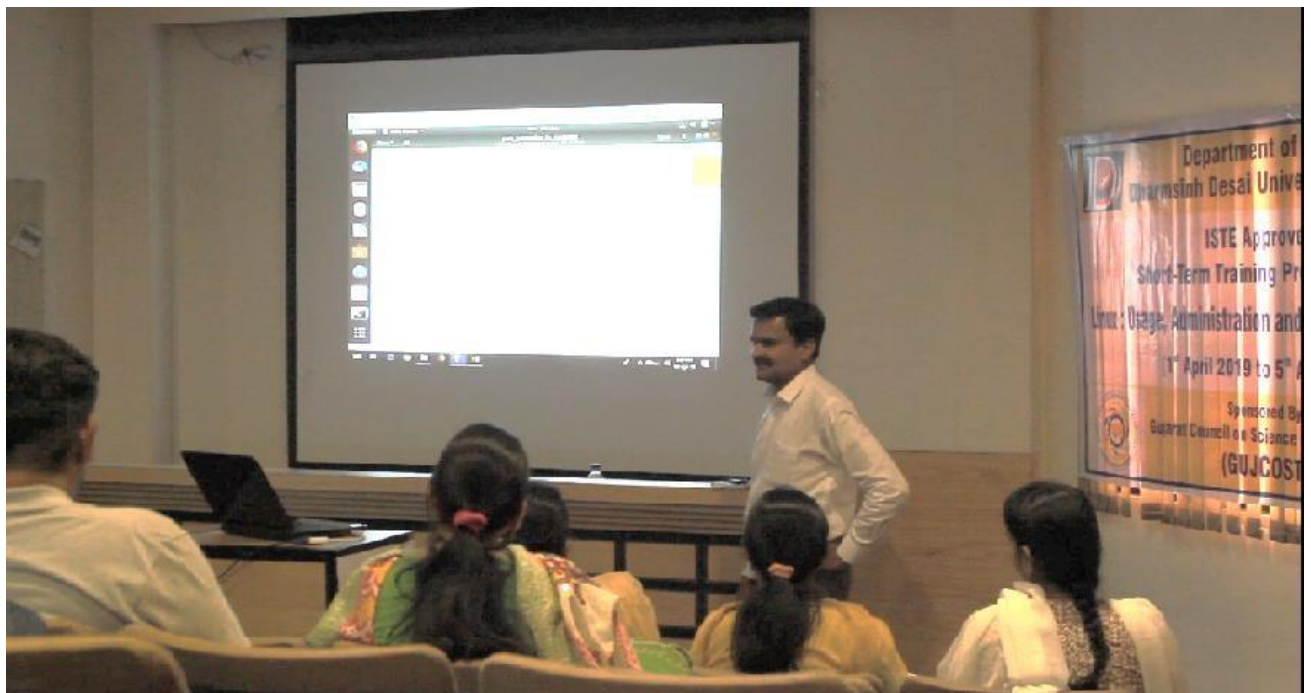
[Photograph: STTP Inaugural Ceremony]



[Photograph: Dr Narayan Joshi explaining Linux Kernel architecture & CPU modes]



[Photograph: Dr Narayan Joshi explaining Kernel Programming]





Photograph: Prof Dippal Israni explaining OpenCV operations]



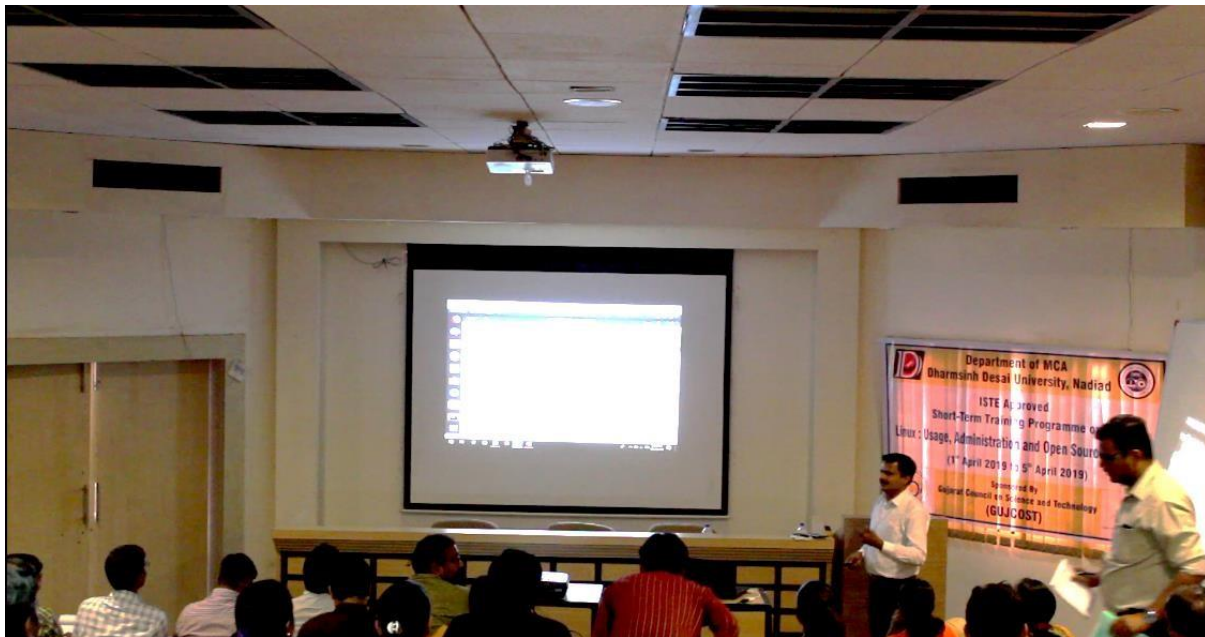
Photograph: Lab Session]



[Photograph: Prof Sapan Mankad explaining packet analysis]



[Photograph: Dr Narayan Joshi explaining Device Driver development]



[Photograph: Lab Session]





[Photograph: Prof Purvi J. handing over memento to Mr Vatsal Thakor (RedHat India)]



[Photograph: Lab session]

[Photograph: Mr Nilesh Vaghela delivering session about disk partitioning]





Photograph: Dr Ajay Roy explaining Open Source Software Licenses]



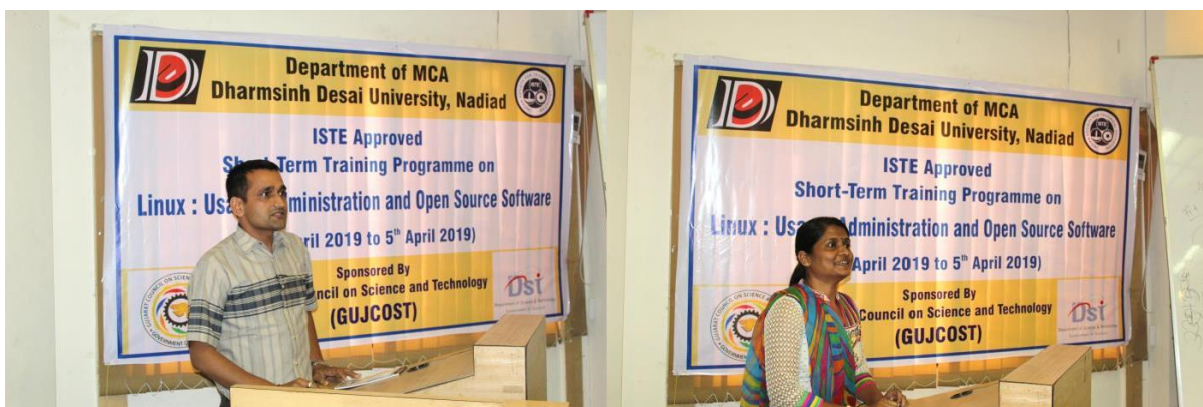
[Photograph: Dr Dinesh Kumar Yadav explaining importance of cloud computing]



Photograph: Dr Dinesh Kumar Yadav delivering speech about Open Source CloudSim]



Photograph: Assessment and Valedictory session]





STTP Participants: Group Photograph -I



STTP Participants: Group Photograph -II



## List of Participant

No	Name	Designation	DEPT	University	Gender	Occupation
1	Shefali S. Gandhi	Assistant Professor	BCA	DDU	Female	Faculty
2	Kinjal Umesh Acharya	Assistant Professor	BCA	DDU	Female	Faculty
3	Tusharkumar V. Ratanpara	Assistant Professor	CE	DDU	Male	Faculty
4	Jatayu Baxi	Assistant Professor	CE	DDU	Male	Faculty
5	Hariom A. Pandya	Assistant Professor	CE	DDU	Male	Faculty
6	Vanraj N. Dangar	Assistant Professor	CE	DDU	Male	Faculty
7	Bhavika Gambhava	Assistant Professor	CE	DDU	Female	Faculty
8	Jigarbhai M. Pandya	Assistant Professor	CE	DDU	Male	Faculty
9	Shaifali Malukani	Assistant Professor	CE	DDU	Female	Faculty
10	Parth R. Dave	Assistant Professor	CE	DDU	Male	Faculty
11	Niyati J. Buch	Assistant Professor	CE	DDU	Female	Faculty
12	Vivek Sureshbhai Patel	Assistant Professor	CE	DDU	Male	Faculty
13	Harshitkumar M. Patel	Assistant Professor	EC	DDU	Male	Faculty
14	Atul B. Shah	Computer Programmer	EC	DDU	Male	Faculty
15	Dr. Yogesh Meghrajani	Associate Professor	EC	DDU	Male	Faculty
16	Dr. Lakshmi S. Desai	Assistant Professor	EC	DDU	Female	Faculty
17	Shital Thakkar	Associate Professor	EC	DDU	Female	Faculty
18	Sohilkumar A. Dabhi	Assistant Professor	EC	DDU	Male	Faculty
19	Bhavini D. Parmar	Assistant Professor	EC	DDU	Female	Faculty
20	Ashishkumar Bhupendraprasad Pandya	Assistant Professor	EC	DDU	Male	PHD SCHOLAR
21	Dr. Mitesh J. Limachia	Assistant Professor	EC	DDU	Male	Faculty
22	Goral J. Nakum	Assistant Professor	EC	DDU	Female	Faculty
23	Nisarg K. Bhatt	Assistant Professor	EC	DDU	Male	Faculty
24	Himanshu R. Patel	Assistant Professor	IC	DDU	Male	Faculty
25	Shah Heta Shashank	Assistant Professor	IC	DDU	Female	Faculty
26	Minaz M. Shaikh	Assistant Professor	BCA	DDU	Female	Faculty
27	Chirag Girishchandra Patel	Assistant Professor	BCA	DDU	Male	Faculty
28	Ami D. Parekh	Assistant Professor	CIVIL	DDU	Female	Faculty
29	Chiragkumar Arvindbhai Kapatel	Assistant Professor	CIVIL	DDU	Male	Faculty



30	Dr. Narayan Joshi	Professor & Head	MCA	DDU	Male	Faculty
31	Dr. Ajay N Roy	Assistant Professor	MCA	DDU	Male	Faculty
32	Shah Janak J.	Assistant Professor	MCA	DDU	Male	Faculty
33	Hetal M. Patel	Assistant Professor	MCA	DDU	Female	Faculty
34	Purvi N. Jardos	Assistant Professor	MCA	DDU	Female	Faculty
35	Milin J. Desai	Assistant Professor	MCA	DDU	Male	Faculty
36	Hetal Nimit Shah	Assistant Professor	MCA	DDU	Female	Faculty
37	Rizwan H. Alad	Assistant Professor	EC	DDU	Male	Faculty
38	Mitali Jayendrakumar Doshi	Assistant Professor	BCA	DDU	Female	Faculty
39	Swati Bharatkumar Adhiya	Assistant Professor	BCA	DDU	Female	Faculty
40	Utsav P. Patel	Assistant Professor	MCA	DDU	Male	Faculty
41	Himanshu Kiran Purohit	Assistant Professor	MCA	DDU	Male	Faculty
42	Vivek J. Vyas	Assistant Professor	MCA	DDU	Male	Faculty
43	Rabari Dipak K.	Assistant Professor	EC	DDU	Male	Faculty
44	Patel Manishkumar K.	Assistant Professor	EC	DDU	Male	Faculty
45	Mansi Dholakia	Assistant Professor	Pharmacy	DDU	Female	Faculty
46	Dinal V Patel	Assistant Professor	Pharmacy	DDU	Female	Faculty
47	Dr.Carol P. Macwan	Assistant Professor	Pharmacy	DDU	Female	Faculty
48	Dr Mayuree A. Patel	Assistant Professor	Pharmacy	DDU	Female	Faculty
49	Aditi K Sheth	Assistant Professor	CIVIL	DDU	Female	Faculty

**Report**  
**Workshop on Red Hat**  
**Linux File System**  
**&**  
**User Management**  
**22<sup>nd</sup> SEPT 2018**



# Program Overview

## Program Outline

The workshop jointly organized by Department of MCA at RedHat Academy, Dharmsinh Desai University on “Red Hat Linux File System & User Management” for graduate, post graduate students and teachers on 22<sup>nd</sup> Sept 2018. The workshop was specifically meant for the local/regional students as well as college teachers, with a view to give the exposure about linux file system and user management.



## Program Schedule

Time	
09:00am to 09.30am	Welcome Speech
09.30am to 10.45am	Session 1
10.45am to 11.00am	Break
11am to 01:00pm	Session 2
01:00pm to 01:30	Lunch Break
01.30pm to 03:30	Session 3
03:30pm to 03:45pm	Valedictory

## Participants Details

Immediately after the workshop was announced, there was a good response from the students and teachers from different department of institution. 90 people including teachers and students from the various department attended the workshop.



## Inaugural Session

The workshop was formally inaugurated by Dr. R.K.Jain (Registrar, DDU) , Dr. Naresh Patel (Dean of MIS), Dr. Narayan Joshi (HOD, MCA Department), Mr. Amit Patel (an executive manager at prakshal IT academy) ,Mr. Parag patel (Red hat Certified Trainer, Red Hat Academy).

Mr. Vivek Vyas, Assistant Professor of MCA Department welcomed the gathering and Mr. Himanshu Purohit, Assistant Professor of MCA Department proposed the vote of thanks.

Mr. Amit Patel is an executive manager at prakshal IT academy has handover the DDU – RedHat MOU to Registrar Dr. R.K.Jain.







## Lecture Sessions

The Workshop had altogether three lecture sessions which was conducted by Mr. Parag Patel, Red Hat Certified Trainer from Red Hat Academy.

Mr. Parag Patel delivered lecture through which the basic concepts of file system were presented. The lectures were helpful in inculcating a positive attitude towards Linux operating system among the participants. The lecture also helped the participants to have a clear understanding about user management. The lecture sessions were informative as well as interactive, as reflected from the feedback received from the participants.



## Valedictory Session

A short duration thanksgiving session was arranged on the day of the Workshop. The Resource persons addressed the participants and motivated them to get the Certification of RHCA. Dr. Narayan Joshi, Head of MCA Department giving token of love to Mr. Parag Patel for sharing their knowledge and expertise with students. The formal vote of thanks on behalf of the Department of MCA of Dharmsinh Desai University was proposed by Mr. Himanshu Purohit.





# Dharmsinh Desai University, Nadiad

## Department of MCA

### **Report of Workshop on 8 Days Skill Development Programme on 'RedHat Certified System Administrator'**

A 8 day workshop was organized by Department of MCA on **Skill Development Programme on 'RedHat Certified System Administrator'** for the students of MCA during December, 2018 – February, 2019.

We had organized this workshop as RedHat Academy, DDU. The training was provided by RedHat Certified Tutor from Redhat/ Prakshal Acedemy.

The purpose behind this workshop was to prepare the students for RHCSA Certification Exam by providing them hands on training.

In 8 Days, We have conducted 60 hrs completing 2 books – RH124 and RH134 – consisting of required knowledge with understanding and hands on practicals for Profession System Administration at organizations. This training would be helpful to participants in attempting the RHCSA certification exam conducted by RedHat.

The workshop covered the following topics:

S. No	Red Hat System Administration I	S. No	Red Hat System Administration II
1	Accessing the command line	1	Automating Installation with Kickstart
2	Managing files from command line	2	Using Regular Expressions with grep
3	Getting Help in Red Hat Enterprise Linux	3	Creating and Editing Text Files with vim
4	Creating, Viewing, and Editing Text Files	4	Scheduling Future Linux Tasks
5	Managing Local Linux Users and Groups	5	Managing Priority of Linux Processes
6	Controlling Access to Files with Linux File System Permissions	6	Controlling Access to Files with Access Control Lists (ACLs)
7	Monitoring and Managing Linux Processes	7	Managing SELinux Security
8	Controlling Services and Daemons	8	Connecting to Network-defined Users and Groups
9	Configuring and Securing OpenSSH Service	9	Adding Disks, Partitions, and File Systems to a Linux System
10	Analyzing and Storing Logs	10	Managing Logical Volume Management (LVM) Storage
11	Managing Red Hat Enterprise Linux Networking	11	Accessing Network Storage with Network File System (NFS)
12	Archiving and Copying Files Between Systems	12	Accessing Network Storage with SMB
13	Installing and Updating Software Packages	13	Controlling and Troubleshooting the Red Hat

			Enterprise Linux Boot Process
14	Accessing Linux File Systems	14	Limiting Network Communication with firewall
15	Using Virtualized Systems	15	Comprehensive Review - II
16	Comprehensive Review - I		

After completion of hands on teaching, participants were provided with comprehensive assessment tasks to be performed.

Total no of hours: 60

Total no of days: 8

Total no of students: 29 (Students: 25 Faculty: 04)

No of batches: 1

Fees per student: Rs 2500/- (Inclusive of G.S.T)

There were 29 participants. Certificate to all the participants were provided by RedHat India.

Convener: Dr. Narayan A. Joshi  
Professor & Head,  
MCA Department,  
Dharmsinh Desai Univeristy.

Coordinator: Himanshu K. Purohit  
Assistant Professor,  
MCA Department,  
Dharmsinh Desai Univeristy.





Inauguration of the workshop.



Workshop Banner.



Expert conducting the workshop.



Workshop Participants attending the session.



## List of Participants

Sr.No	Name	Sem	Branch
1	BHAGAT MAHEK HITENDRABHAI	IV	EC(M.TECH)
2	ANUVADIA KEYUR SHASHIKANT	IV	BCA
3	SHETH PARTH HARDIK	IV	BCA
4	RAVAL PRATIK RAJESHBHAI	IV	BCA
5	BAROT PREMAL DIPAKKUMAR	IV	BCA
6	PATWA MALAV MITESHBHAI	IV	BCA
7	BUNDELA JEETISH KETANBHAI	IV	BCA
8	DUBEY YASH MUKESH	IV	BCA
9	MOTIYANI RAHUL NARESHBHAI	IV	BCA
10	PATEL RITEN SUNILBHAI	IV	MCA
11	KANSARA VIDHI HITESHBHAI	II	MCA
12	NIKAM RAVIKUMAR ARJUNBHAI	IV	MCA
13	SONI VRAJESH PRAGNESHKUMAR	IV	MCA
14	MAKADIA PRATIK DILIPBHAI	IV	MCA
15	SONAGARA MAYUR KANTILAL	IV	MCA
16	MEHTA ATREYA VIJAYKUMAR	II	MCA
17	BALWANI TWINKLE M	IV	MCA
18	GAJERA MEHUL VINUBHAI	IV	MCA
19	VYAS VISHAL RAVINDRAKUMER	IV	MCA
20	MEVADA UTSAVKUMAR VASANTLAL	IV	MCA
21	CHAUDHARI RONAK NARAYANBHAI	IV	MCA
22	GANDHI ZEEL KAMLESHKUMAR	II	MCA
23	VEGDA JEET MANISHBHAI	IV	MCA
24	SHAH KRUPAL VIMALKUMAR	IV	MCA
25	RATHWA SMITA REVABHI	IV	MCA
26	PATEL UTSAV PRAVINBHAI	FACULTY	MCA
27	PUROHIT HIMANSHU KIRAN	FACULTY	MCA
28	VYAS VIVEK JITENDRABHAI	FACULTY	MCA
29	PANDYA JIGARBHAI MAHESHBHAI	FACULTY	CE

3

*One Day Seminar  
On  
Startups and Entrepreneurial  
Opportunities in Pharmaceutical Sciences*

1<sup>st</sup> October, 2018

Organise By



Faculty of Pharmacy  
Dharmsinh Desai University  
Nadiad

**Sponsored By  
Gujarat Council of Science and Technology  
(GUJCOST)**



Department of Science & Technology  
Government of Gujarat



**Co-Sponsored By**



**Industries Commissionerate**  
Government of Gujarat







*One Day Seminar On  
Startups and Entrepreneurial  
Opportunities in Pharmaceutical Sciences  
1<sup>st</sup> October, 2018*



## Call for Idea

**Do you have an idea which will contribute to the betterment of pharmaceutical profession?**

Invitation for innovative ideas from the pharmacy students that address the problems of pharmaceutical sciences under following themes;

- Identification of new drug targets
- Novel drug delivery systems
- Development of new process technology for commercial production of active pharmaceutical ingredients, intermediates or excipients.
- Development of standardized dosage forms through exploitation of rich natural resources including herbal sources and traditional systems.
- Monitoring methods for near expiry products and its manufacturing schedule to minimise wastage of expire products.
- Newer Marketing tools and technologies.
- Wearable medical devices to promote point of care.
- Pharmaceutical Education System.
- Novel packaging technology for pharmaceutical and nutraceutical products.

### Guideline for Submission of Idea

Prepare MS word file according to following details and upload on given registration link. Document should be prepared using Times New Roman font, size 12, 1.5 line spacing, and Justify paragraph.

- Title of the Idea: Title Case, Times New Roman, Font size 14, Bold and Centred
- Name and Affiliation of Innovators
- Problem Statement (What problem do you want to solve?)
- Idea (What is your idea?)
- Innovation (What is innovative step in your idea?)
- Impact / Application in Pharmaceutical Sector

**Students will allot 7 minutes time to present their idea in form of power point presentation (Maximum 10 slides).**

**Students has to submit their presentation at time of registration.**

**The Best Idea Award will be presented to the winner.**





*One Day Seminar On  
Startups and Entrepreneurial  
Opportunities in Pharmaceutical Sciences  
1<sup>st</sup> October, 2018*



### Registration Fees

Students (UG/PG/Research Scholars): Rs. 200/-

Academicians / Teacher: Rs. 300/-

Industry: Rs. 400/-

Mode of payment is by Cash/ Demand draft/ At Par Cheque

DD / Cheque should be in favour of “DDU PHARMA EVENT” payable at Nadiad.

Registration Form Link:

[https://docs.google.com/forms/d/e/1FAIpQLScPEHafE3JEP6JDlL5rkMjp5gwQ77mFgW5GkyTPZ8DaMb28A/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLScPEHafE3JEP6JDlL5rkMjp5gwQ77mFgW5GkyTPZ8DaMb28A/viewform?usp=sf_link)



### For Information and Correspondence:

Dr. Sanjay P. Chauhan; E-Mail: [sanjaychauhan.ph@ddu.ac.in](mailto:sanjaychauhan.ph@ddu.ac.in)

Dr. Tejas B. Patel; E-Mail: [tejaspatel.ph@ddu.ac.in](mailto:tejaspatel.ph@ddu.ac.in)





Department of Science & Technology  
Government of Gujarat

**Gujarat Council on Science & Technology**

**Department of Science & Technology**

**Government of GUJARAT**

**SPONSORED**

**One Day National Level**

**Seminar on**

# **"Common Gynaecological Disorders in Women: Issues, Awareness and Preventive Measures"**

**8<sup>th</sup> March 2019**

**Organized By**



**Convener**  
**Prof. (Dr.) B. N. Suhagia**  
**Dean**

**Coordinator**  
**Dr. Tejal G. Soni**  
**Professor**

**DHARMSINH DESAI UNIVERSITY**

**FACULTY OF PHARMACY**

**(Approved by PCI, NAAC Accredited, ISO 9001:2008 Certified)**

**IN ASSOCIATION WITH WOMEN CELL, DDU**

**College Road, Nadiad-387001**

**[deanpharmacy@ddu.ac.in](mailto:deanpharmacy@ddu.ac.in), [www.ddu.ac.in](http://www.ddu.ac.in)**



**For more Information Contact:**

**Dr. Tejal G. Soni, Coordinator, ☎ +91 7203943289**

**✉ [tejalsoni.ph@ddu.ac.in](mailto:tejalsoni.ph@ddu.ac.in)**

## **Dharmsinh Desai University**

Dharmsinh Desai University (DDU) formerly known as DDIT, founded in 1968 by respected educationist, social worker and the Member of Parliament Late Shri Dharmsinh Desai. In the year 2000, it earned a status of Deemed University by Government of India, in recognition of its standards in academia.

In April 2005, the Government of Gujarat declared the institution as a State University. D. D University is approved by the UGC Under section 2f and 12B. It has trained scientists and engineers to provide leadership in academia and industry since 1968.

Its students have exhibited a drive for professional excellence throughout their careers. The graduates of this university are highly sought by Indian and International companies. Various institutes established under the roof of DDU are Technology, Dental, Pharmacy, Commerce, BBA, MBA, BCA, MCA.

### **Faculty of Pharmacy**

Faculty of Pharmacy was established at Dharmsinh Desai University with sole motive to promote excellence in pharmaceutical education to meet the needs of industry and academia in 2006 offering B. Pharm course. Faculty of Pharmacy is approved by PCI & AICTE, Accredited by NAAC and also have ISO certification. It also offers M. Pharm in Pharmaceutics and Quality assurance and Doctorate programme in various disciplines of Pharmacy.

Sophisticated instrumental facilities available in university including Powder XRD, UV-NIR, DSC, TGA, FT-IR, GC-MS, Zetasizer, AFM etc. Institute is equipped with latest instrumentation facilities including Spray Dryer, Fluidized Bed Dryer, Lyophilizer, Tablet Compression Machine, HPLC, Tissue Culture Station etc. Considered an architectural splendour with ultramodern amenities, specially designed to suit the requirement of pharmacy education, FOP has established benchmark in R & D by undertaking academic and industrial research as well as established link for entrepreneurship by well established Gujarat Govt. Nodal centre & by student start-up grants.

### **Seminar Outline**

This workshop has been designed especially for the young faculty members, Research Scholar & students teaching & studying in field of Life Sciences, Medical Sciences, Pharmaceutical Sciences and related subject areas across India. Health care researchers strive to produce effective medicine, therapy and services efficiently. This seminar considers awareness and preventions regarding all aspects of gynaecology and reproductive health, including menstrual disorders, pregnancy and its complications, infertility and nutritional supplements.

### **Themes to be covered**

Infertility and in-vitro fertilization techniques  
Pregnancy, Complications and prevention

Impact of Nutrition on lifestyle  
Menstrual Disorders & Sexually transmitted Disease





## Resources Persons:

Eminent resource persons from medical profession will deliver in-depth information about themes covered in the Scientific & Technical sessions in the programme.

## Who Should Attend?

Students and Faculty members from medical and paramedical fields like Pharmacy, Ayurveda, Dental as well as technology field.

### Registration Fees:

Student (UG/PG/Research Scholar): ₹ 100

Academicians: ₹ 200

**Mode of Payment:** CASH/Demand Draft.

**Note:** Total Participants limit is 100

Demand Draft should be in favour of "DDU PHARMA EVENT" payable at NADIAD.

Please Send the Duly filled Registration Form along with Fees to:

**Dr. Tejal G Soni**

Professor

FACULTY OF PHARMACY

DHARMSINH DESAI UNIVERSITY

College Road, Nadiad-387001, GUJARAT

**Email:** tejalsoni.ph@ddu.ac.in

**Mobile:** +91-9601904294

**Phone:** +91-268-2521036

**Fax No.** +91-268-2520501

## Organizing Committee

### Patron

**Dr. H. M. Desai**

Hon. Vice Chancellor

Dharmsinh Desai University

### Coordinator

**Dr. Tejal G. Soni**

### Convener

**Dr. B. N. Suhagia**

Dean

Faculty of Pharmacy, DDU

### Co-coordinator

**Dr. Mehul N. Patel**

## Executive Members

Dr. Sanjay Chauhan

Dr. Rajnikant Mardia

Dr. Tejas B. Patel

Mrs. Mayuree Patel

Mr. Vipul Prajapati

Dr. Carol Macwan

Mr. Jagat Upadhyay

Dr. Anand Pithadia

Dr. Kishor Sorathia

Ms. Dinal Patel

Mr. Arun Soni

Ms. Mansi Dholakiya

Ms. Jenee Christian

**& All Members of WOMEN CELL, DDU**





**DHARMSINH DESAI UNIVERSITY**  
**FACULTY OF PHARMACY**  
**IN ASSOCIATION WITH WOMEN CELL, DDU**



**Organized**

**GUJCOST sponsored One Day National Level Seminar on**

**"Common Gynaecological disorders in women: Issues,  
awareness and preventive measures"**

**8<sup>th</sup> March 2019**

**Registration Form**

Name: \_\_\_\_\_

Qualification: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Mobile No: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Area of Specialization: \_\_\_\_\_

Registration as (Tick):

☐ Students/☐ Academicians/☐ Industry personal/☐ Research Scholars

Details of Registration Fee:

Amount \_\_\_\_\_ CASH/DD No. \_\_\_\_\_ Date \_\_\_\_\_

Issuing Bank \_\_\_\_\_

Signature of the Applicant \_\_\_\_\_

Forwarded through Head of the Institute:

(Signature with seal)







## FACULTY OF DENTAL SCIENCE DHARMSINH DESAI UNIVERSITY

College Road, Nadiad - 387001.

Ph: 0268- 2522994, 2520502, Fax: 0268-2527077, 2520501,

Website: [www.ddu.ac.in](http://www.ddu.ac.in) , Email: [vcddit@yahoo.co.in](mailto:vcddit@yahoo.co.in)

Faculty of Dental Science in association with Department of health, Kheda District Panchayat had organized an awareness program on harmful effects of tobacco on 8<sup>th</sup> feb 2019 in lecture hall no 1 at 11:00 am onwards. Dr AjitThakar (Epidemic medical officer) had come as chief guest and gave brief information about harmful effects of tobacco. Many first year students and Interns had taken part in Anti-tobacco speech competition and first three rankers were rewarded with gifts. Staff members and Interns had participated enthusiastically and appreciated the programme.





## FACULTY OF DENTAL SCIENCE DHARMSINH DESAI UNIVERSITY

College Road, Nadiad - 387001.

Ph: 0268- 2522994, 2520502, Fax: 0268-2527077, 2520501,

Website: [www.ddu.ac.in](http://www.ddu.ac.in) , Email: [vcddit@yahoo.co.in](mailto:vcddit@yahoo.co.in)

Continuing Dental Education (CDE) programme on the topic of “Facebow Transfer” was held on 14<sup>th</sup> August 2018 for the post graduates, interns and final year students at Faculty of Dental Science Auditorium by Dr Priyanka Sutariya. Dr Somil Mathur, Professor and Head of the department (Prosthodontics, crown and bridge work and Oral implantology) gave the welcome speech and introduced Dr Priyanka Sutariya. Dr Priyanka Sutariya enlight the use of facebow transfer and its importance to the students .Dr Alkesh Shah gave token of appreciation to Dr Priyanka Sutariya.







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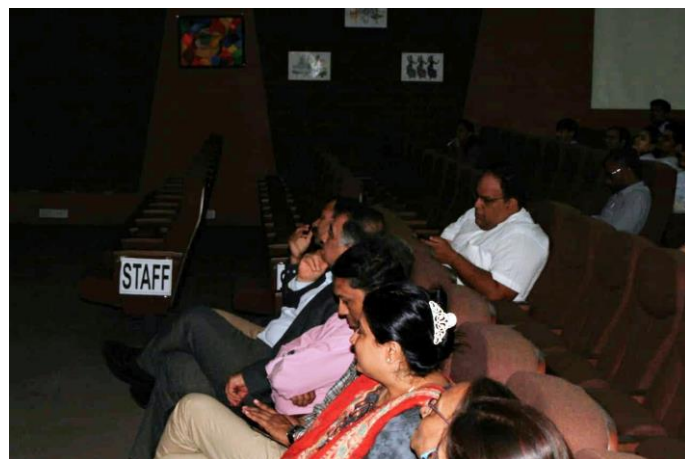
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Continue Dental Education program on ORAL IMPLANTOLOGY was held on 19<sup>th</sup> January 2019 at 10:00 am at Faculty of Dental Science Auditorium by Dr. Omri from Israel. Dr .Rakesh Makwana gave the brief information about CDE and had heartily welcomed the guest speakers.. All Staff members, PG students, Interns and 4<sup>th</sup> BDS students had participated enthusiastically and appreciated the programme.







**DEPARTMENT OF PERIODONTOLOGY & ORAL  
IMPLANTOLOGY**

**FACULTY OF DENTAL SCIENCE**

**DHARMSINH DESAI UNIVERSITY**

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**CIRCULAR**

This is to inform all Head of the departments that, on the occasion of "World Oral Health Day", Department of Periodontology and Oral Implantology (under the aegis of Indian Society of Periodontology) is organizing a lecture on **"Importance of Modern Day Oral Hygiene Aids in Interdisciplinary Approach"**. Post graduate students of all the departments are hereby notified to attend this lecture.

Date: 20/3/2019, Wednesday.

Time: 11.00 am

Venue: Lecture Hall 1, Faculty of Dental Science, DDU, Nadiad.

Lecture will be followed by lunch. Each participant will be receiving a certificate for participation.

For Head of the Department

Department of Periodontics





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Faculty of Dental Science has organized lecture on introduction to mental health on 25<sup>th</sup> September 2018 at Faculty of Dental Science Auditorium. Dr.Aakash Shah had heartily welcomed the guest speakers. Dr.Himanshu Desai gave brief introduction about importance of mental well being in day-to-day life, along with their colleagues Ms.Sangita Chauhan and Mr.Mehul Patel they demonstrated few cases of mental illness in a realistic way. The session was very interactive and Dr.Himanshu Desai briefly answered all the queries from the students as well as faculty members very satisfactory.





STTP Report  
ISTE-approved and GujCost sponsored  
Two-week Short-Term Training Programme  
On  
“Computer Networking with Conceptual and Practical Approach”

ISTE approved –and GUJCOST sponsored two week short term training programmed Organized on “Computer Networking with Conceptual and Practical Approach” in Information Technology department of Faculty of Technology, Dharmsinh Desai Uninersity, during 17<sup>th</sup> June 2019 to 28<sup>th</sup> June 2019. This STTP had 24 participants including professors from Degree/MCA colleges all across Gujarat.

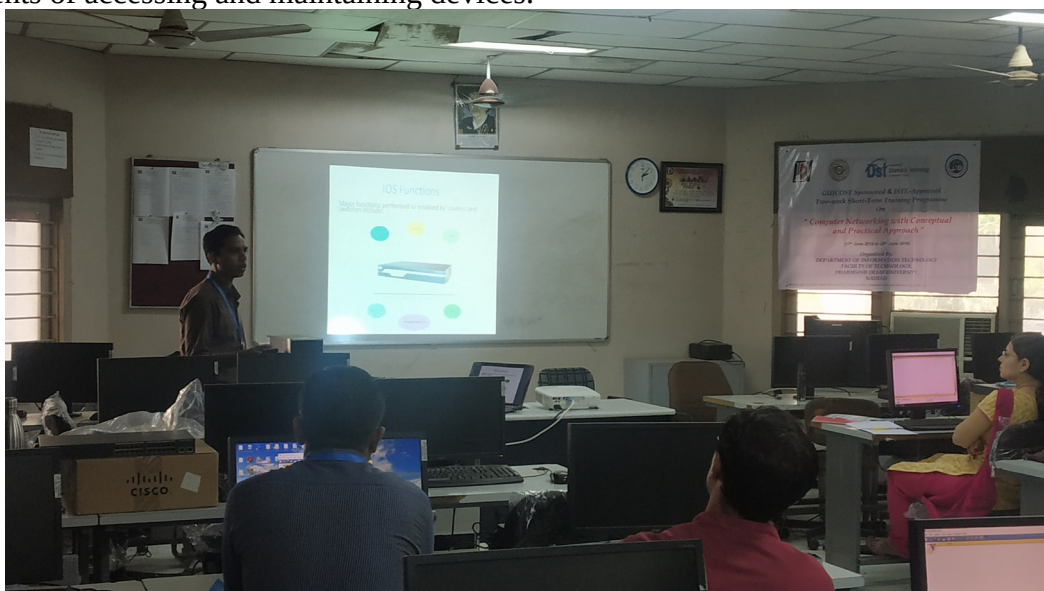
**Day1 / 17/06/2019**



First session was taken by Prof. Ravindra A. vyas, in which he talked about reference models of computer network. Also, he had discused the functionalities and responsibilities of each layer. He took some real life examples and explain the role of each layers in an easiest way.

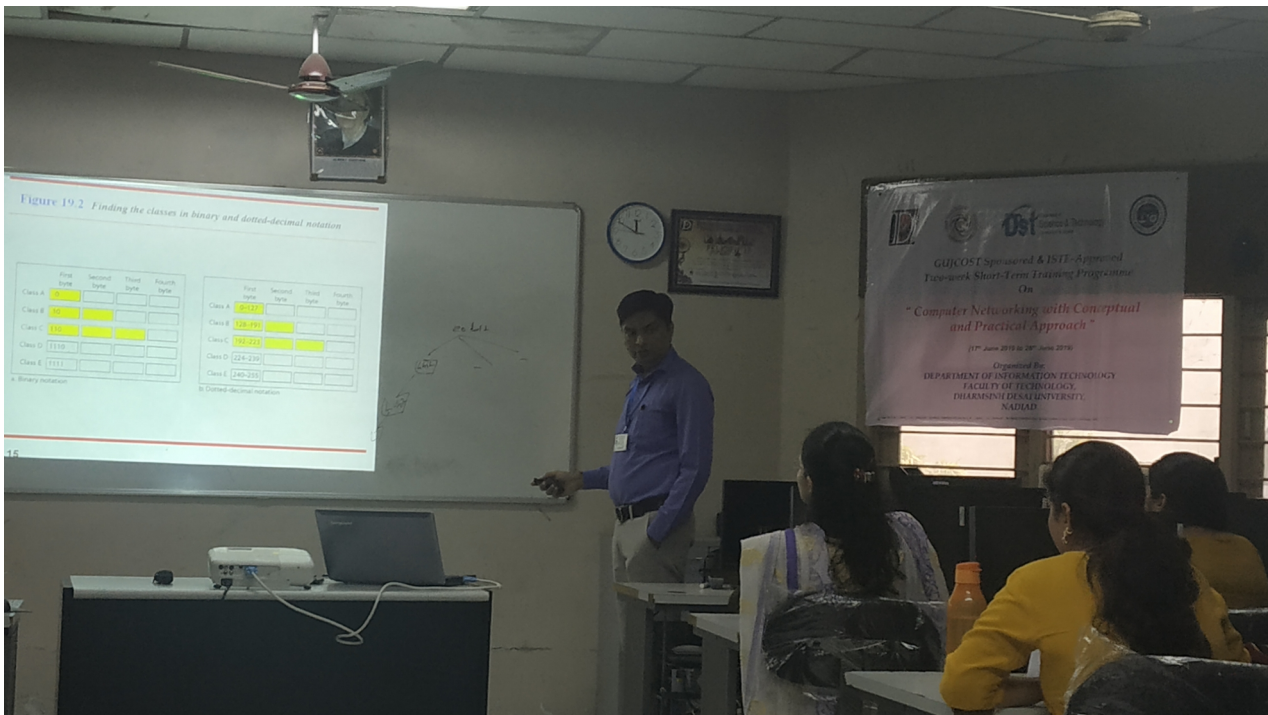
Session 2-3

Second and third session was taken by Prof. Deepak C. Vegda. He explained the ways of accessing network devices and number of basic commands related to Network OS. He had also shown the experiments of accessing and maintaining devices.



## Day 2 / 18/06/2019

On Day2, Prof(Dr.). Mukesh M. Goswami has taken the first session. He talked about Network layer and logical addressing. During this sessions he discussed IP addressing, sub netting, VLSM, etc. He solved number of examples related to VLSM.

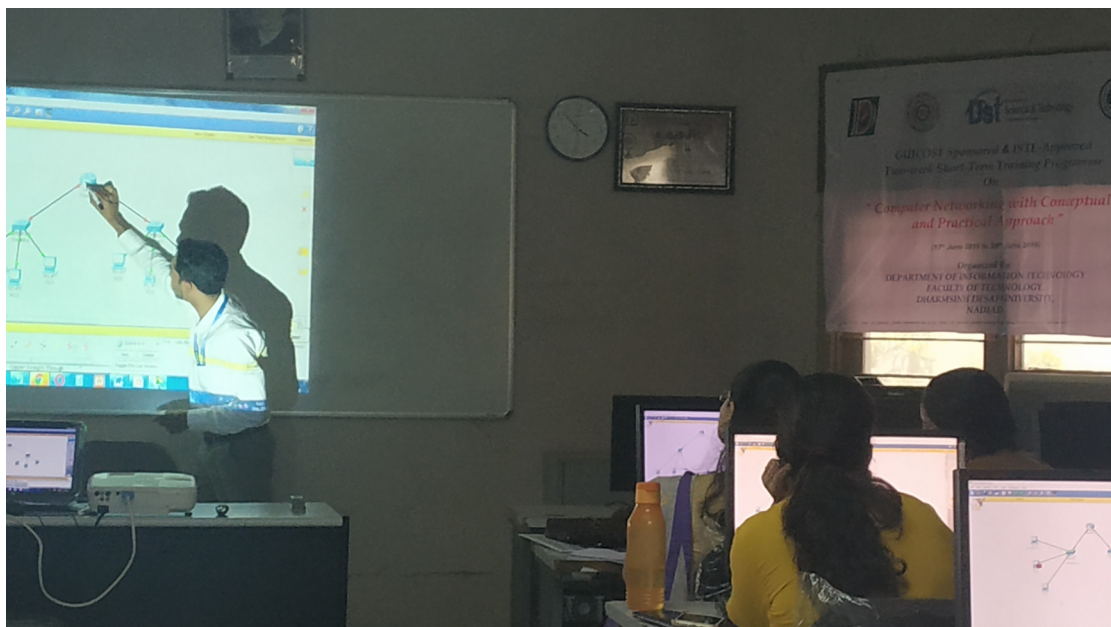


Prof. Ravindra A vyas has taken the third session on 2<sup>nd</sup> day. He explained functionality of data link layer. He also taught various protocols, which are used at DLL. He also cleared many doubts on data link layer.



Session 3 was taken by Prof. Deepak C Vegda. He has shown and explained implementation of a topology on packet tracer. He also explain number of ways of verifying the topology.





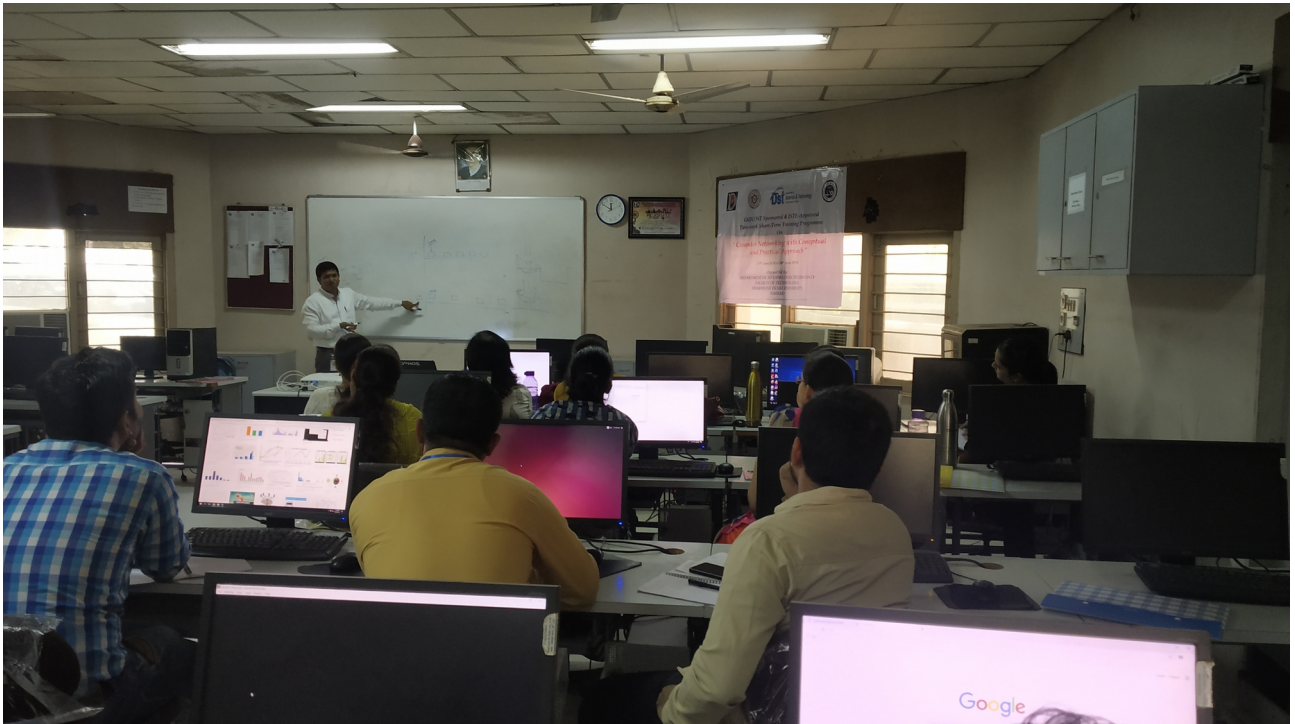
**Day3/ 19/06/2019**

On 3<sup>rd</sup> day, Prof(Dr.). Mukesh M. Goswami has taken first and second session. he delivered the lecture on Switched networks and NAT. He also share the knowledge about VLANs.

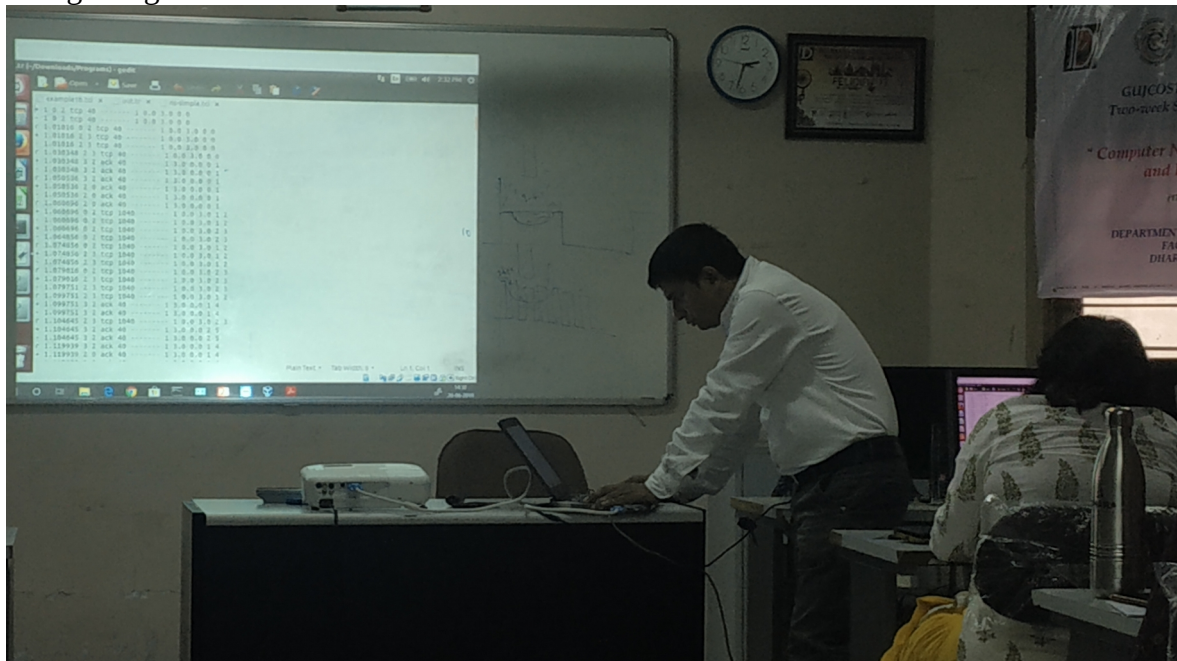


Last session was a practical session, where, Prof. Deepak C. Vegda has shown the implementations on, how to create VLANs, how to configure Inter VLAN routing and how to configure NAT.

**Day4 20/06/2019**



On Day 4, Prof(Dr.) Ritesh Patel, From CSPIT, changa, has taken the session on performance measuring using NetSim tool.



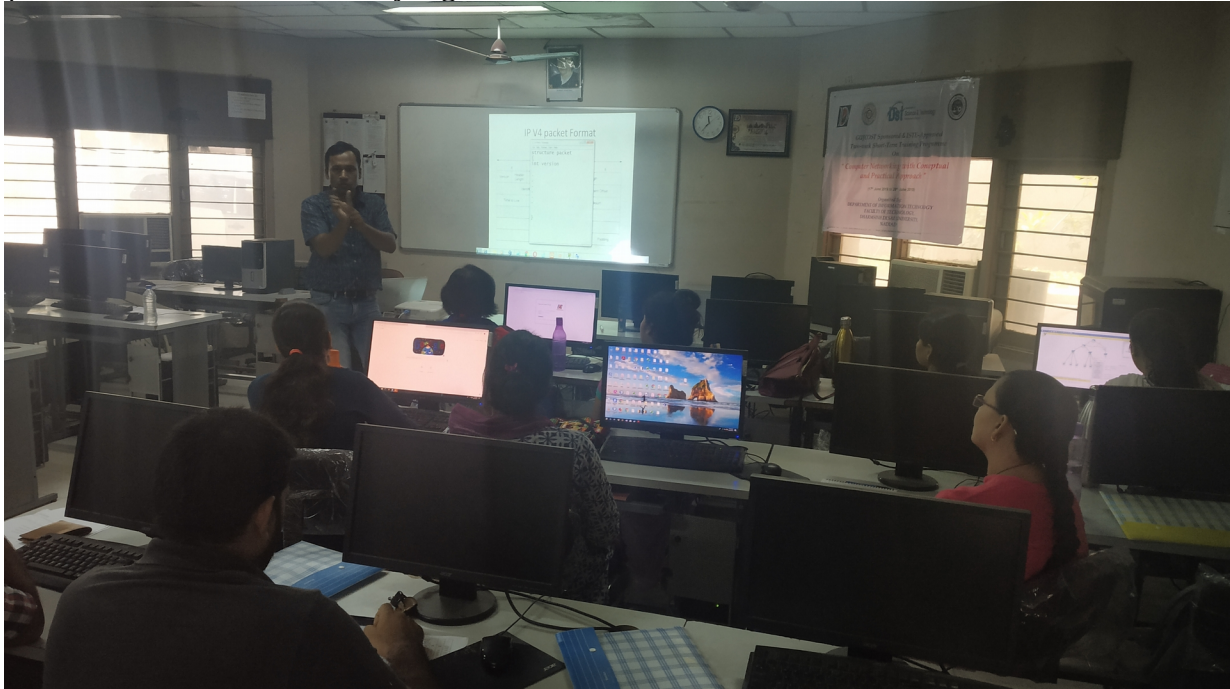
He also show practicals on Wireshark tool, where he explain the way the network shares the packets.

During this sessions, all tarinees has implemented virtual machine on the desktops. They have builded network between virtual machines.

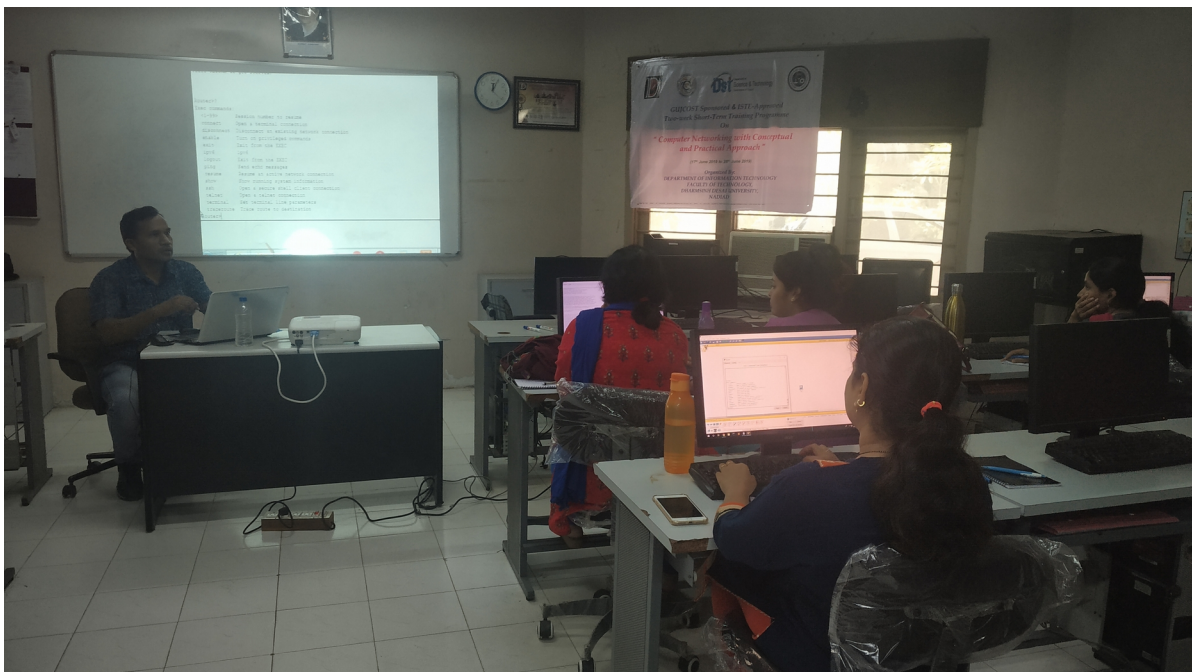


### Day 5 21/06/2019

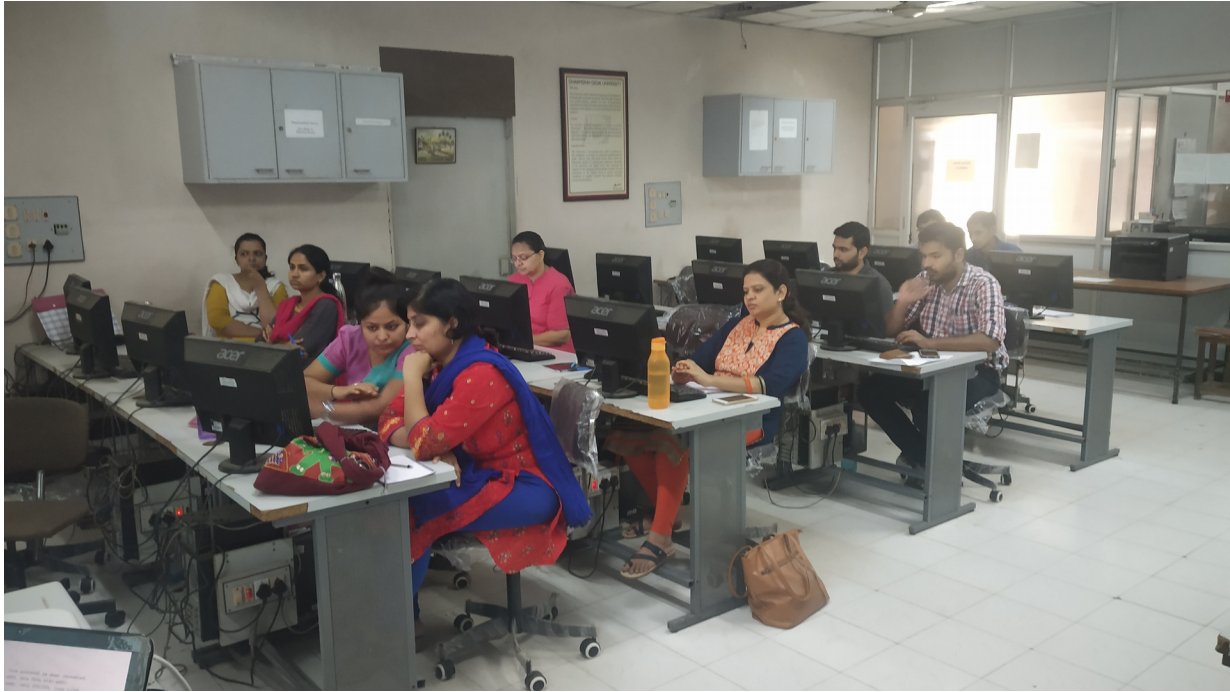
Day 5 and 6 were routing Days. Prof. Ravindra A. Vyas has taken the sessions on routing algorithms. He has explained various dynamic algorithms (OSPF, RIP). He has shown practical implementation of each and every algorithm in detail.



He also analysed and compared routing algorithms based on their internal way of routing.



He configured all routing algorithms in packet tracer. All trainees have tried their hands on packet tracer and configuration of routing algorithms.



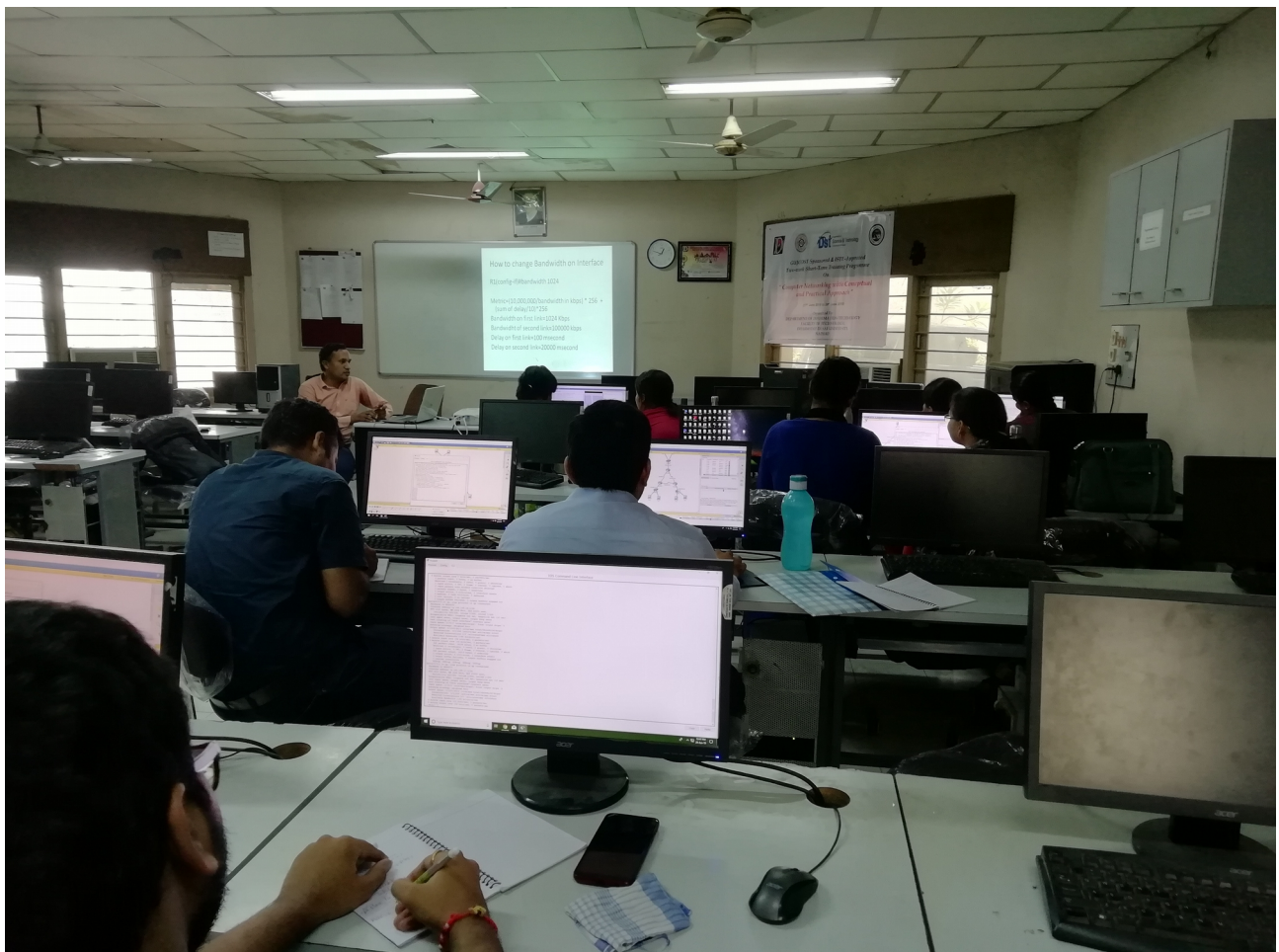
All have enjoyed a lot as they have configured the routing algorithms and now, they know how things work in a network.



In last session, Prof. Deepak C. Vegda has explain various mediums of physical layer, he also create cross wire and straigh thre cable. All the trainees have also gone for creating LAN cable and testing it.



Day 6 24/06/2019



Prof. Ravindra A. Vyas has continued his discussion with dynamic routing algorithm. Today, he talked about EIGRP in detail.

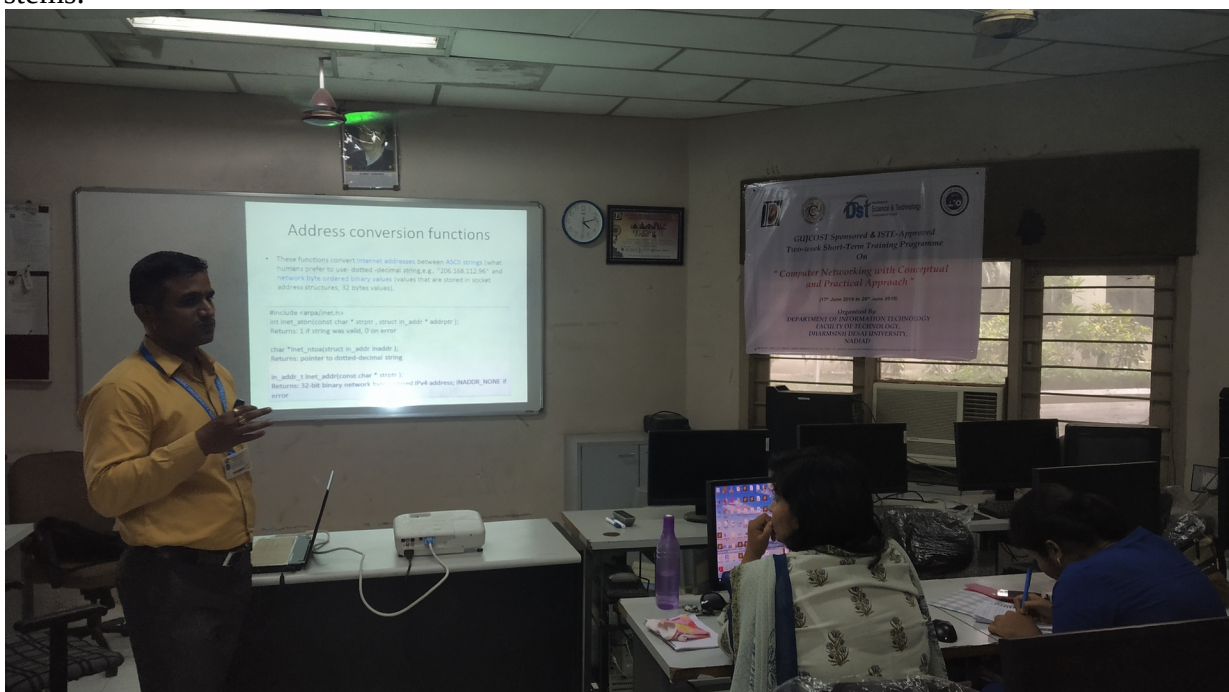


## Day 7 25/06/2019

On Day 7, Prof(Dr.) Harshad B. Prajapati has taken session on socket API. Where he has explained the way, transport layer protocols are working. He also explain in detail what socket API is.



By an interesting example he explained difference between connection oriented and connection less systems.



He also explained theory behind socket programming. He discussed all service primitives related to network programming.



**Day 8 26/06/2019**



On 8<sup>th</sup> day Prof(Dr.) Harshad B Prajapati continued his discussion on Socket API and socket programming. He implemented client and server on his machine using VMware.



All trainees have also implemented same on their machines. They made the client-server paradigm working with the help of socket programming.

The afternoon session was taken by Prof. Deepak C Vegda. He delivered his talk on Application Layer Protocols.

In this he discussed uses and work of all application layer protocols like DHCP, DNS, HTTP, etc. He also show practical configuration and internal work of each of these protocols on packet tracer. All participants have also implemented the same as well.





**Day 9 27/06/2019**



On day 9, first session was taken by Prof(Dr.) Vipul K Dabhi. He took lecture on Network in IoT. Where he explained role of network in IoT and protocol stack of IoT.





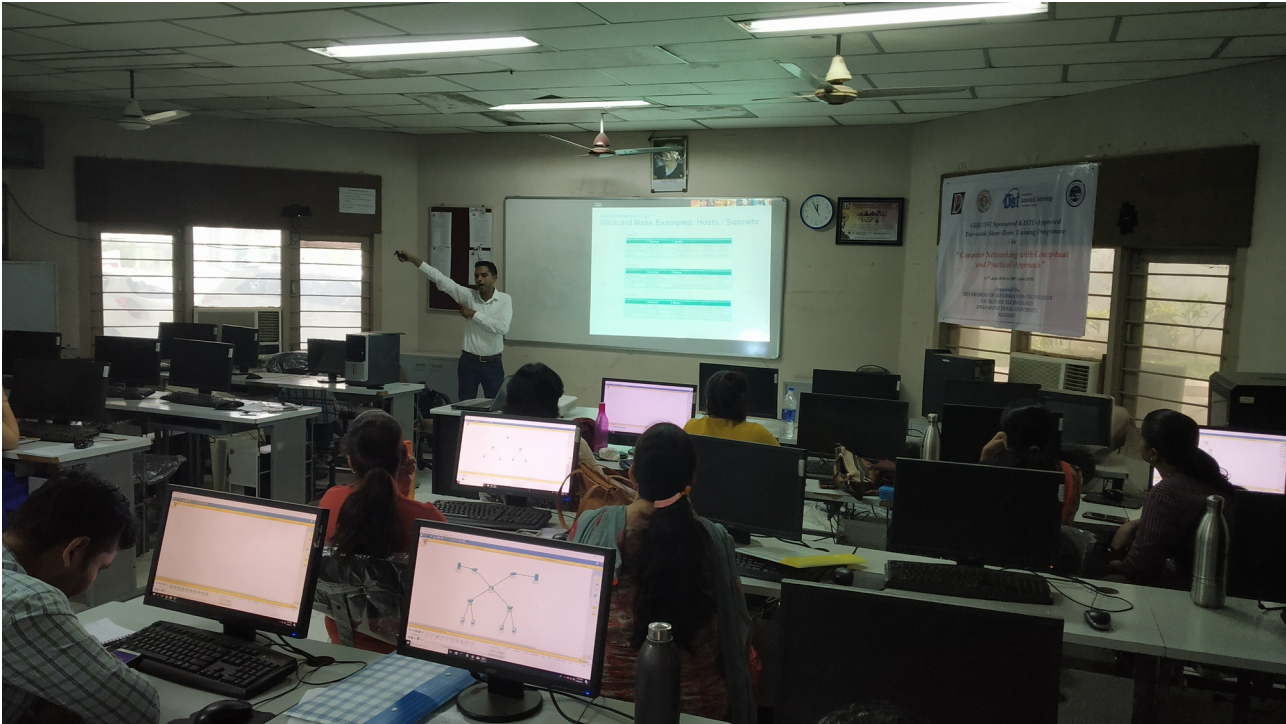
He also explained architecture of IoT and cloud computing. He also gave some basic information about Fog and Edge computing.

The afternoon session were taken by Prof(Dr.) Minal Patel from ADIT, V. V. Nagar. His presentation was related Fog computing and Software Defined Network.





**Day 10 28/06/2019**



Day 10, Prof. Deepak C Vegda has presented a topic named, firewall and ACL. Where he explained uses of Access Control List in networking.

He explained configuration of ACL on router using packet tracer. In afternoon session all participants and coordinators have successfully built a simple network using two switches and one router.



On the 10<sup>th</sup> day, we kept a validation session. We had Prof. Rajnikant K. Jain, Registrar of DD University Nadiad, Prof. D. J. Vyas, coordinator, DDU-ISTE Chapter and Prof(Dr.) Vipul K. Dabhi, Convenor of the STTP on campus.





Prof. D J Vyas gave detail information about work of ISTE chapter.



Prof. R. K. Jain appreciated the effort made by coordinators.



Participants have share their feedback for the STTP. It was positive. All have enjoyed this knowledge sharing gathering.



Day 11 29/06/2019



On Saturday, We invited **Prof(Dr.) Haresh Bhatt Head, ITND, SAC-ISRO** to deliver his talk on Cyber Security.

Sir had gone through basic level of security concepts to research issues in the field of security. It was a great and interesting session by Dr. Haresh Bhatt.



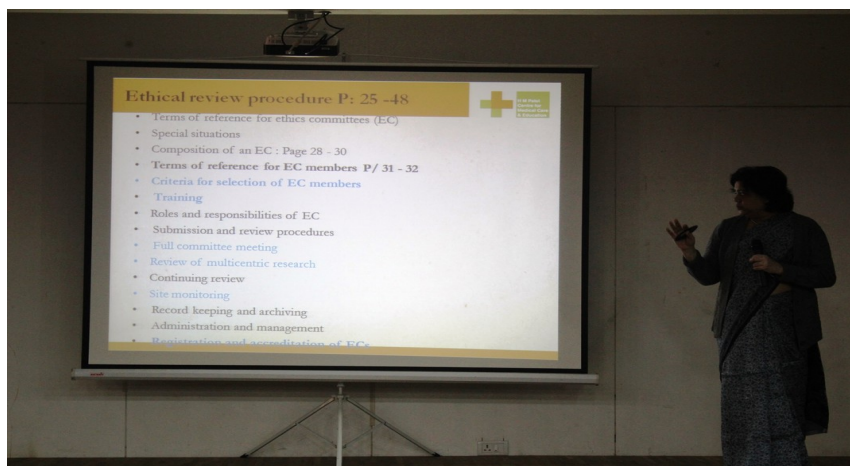
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Training Session on Good Clinical Practice (GCP) and Schedule Y was held on 22<sup>nd</sup> December 2018 at Faculty of Dental Science Auditorium by Dr. Barna Ganguly, Dr. Swapnil Agarwal and Dr. Dinesh Kumar. They enlighten on Importance of Ethics in Human Research, Good Clinical Practice and various aspect of formation and functioning of institutional ethical committee (IEC). The session was informative for all participants of Faculty of Dental Science, DDU, Nadiad.





## REGISTRATION

### Eligibility

Students (PG only)/Ph.D Scholars/ Teachers/ Healthcare Professionals are eligible to participate. Numbers of delegates are restricted to 50 on first come first basis.

Registration Fees : ₹ 600/-

Mode of payment is by CASH/ DEMAND DRAFT

DD should be in favour of "DDU PHARMA EVENT" payable at NADIAD.

Please send the duly filled registration form along with fees to:

Faculty of Pharmacy,  
Dharmsinh Desai University,  
College Road, Nadiad-387001, Gujarat, India  
ddupharmaevent@gmail.com.

## ORGANIZER

### PATRON

Dr. H. M. Desai  
Vice-Chancellor,  
Dharmsinh Desai University, Nadiad.

### CONVENER

Dr. B. N. Suhagia, Dean, FOP, DDU

### CO-ORDINATOR

Dr. Anand B. Pithadia

Dr. Tejal G. Soni, Professor, FOP, DDU

### CO-COORDINATOR

Mr. Arun K. Soni

## EXECUTIVE MEMBERS

Dr. Mebul N. Patel  
Dr. Tejas B. Patel  
Dr. Kishor R. Sorathia  
Mr. Jagat R. Upadhyay  
Mr. Vipul T. Prajapati  
Mrs. Mansi Dholakia

Dr. Sanjay P. Chauhan  
Dr. Rajnikant B. Mardia  
Dr. Mayuree A. Patel  
Dr. Carol P. Macwan  
Mrs. Dinal V. Patel  
Ms. Jenne Christian

## For Information/Correspondence

DR. ANAND B. PITHADIA  
+91 9825240367  
anandpithadia.ph@ddu.ac.in

MR. ARUN K. SONI  
+91 9106186196  
arunsoni.ph@ddu.ac.in

## INTEGRATED TRANSLATIONAL APPROACH: NEW PARADIGM IN RESEARCH METHODOLOGY

### SHORT TERM TRAINING PROGRAMME

November 18-23, 2019

Sponsored by



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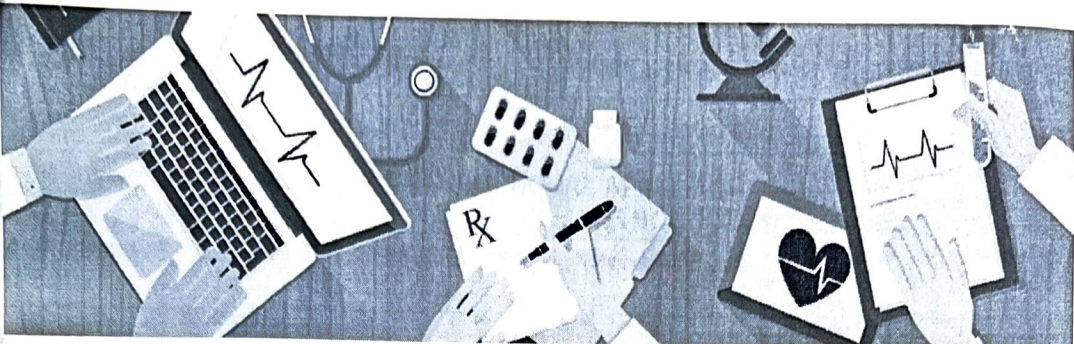
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### FACULTY OF PHARMACY

#### DHARMSINH DESAI UNIVERSITY

College Road, Nadiad-387001, GJ. IN.  
deanpharmacy@ddu.ac.in, www.ddu.ac.in  
Ph: +91 268 2521036/2900470, Fax: +91 268 2520501



## About STTP

Practical application of basic research knowledge is a well-known obstacle to progress in healthcare science. There is often a lag between emerging scientific findings and their application as treatments to patients who may benefit from them. Applying translational research methodology is aimed at taking basic scientific research to the next level. It connects new discoveries to application in patients. The goal of translational research is to quicken the transition from the laboratory to the patients who may benefit from the basic scientific findings. Thus translational research is a joint effort among basic researchers, academic physicians and community health professionals to provide new treatments to appropriate patient populations.

### Objectives

In present STTP, participants will be benefited by learning various research methods for translating basic scientific research to create new therapies and medical procedure.

### Topic to be covered

- Preclinical to clinical translation of drug
- Principles and challenges in translational research
- Scientific writing in research
- Literature search and plagiarism
- Clinical trial protocol design
- QBD approach & Statistical methods for Pharmaceutical Research
- Current aspects of Clinical trials for herbal drugs in India
- Professional ethics, values and competencies in faculty/ academics/teachers
- Database for global patent search and Patent Filing
- Industrial intervention in research methodology
- Hands on training on various software of pharmaceutical research



## Dharmsinh Desai University

Dharmsinh Desai University (DDU) formerly known as DDIT, founded in 1968 by respected educationist, social worker and the Member of Parliament Late Shri Dharmsinh Desai. In the year 2000, it earned a status of Deemed University by Government of India, in recognition of its standards in academia. In April 2005, the Government of Gujarat declared the institution as a State University. DDU is approved by the UGC Under section 2F and 12B, accredited by NAAC, ISO certified. Its Various institutes established under the roof of DDU are Medical Science, Technology, Dental, Pharmacy, MBA, MCA, BCA, BBA & Commerce.

### Faculty of Pharmacy

Faculty of Pharmacy (FOP) was established at DDU with sole motive to promote excellence in pharmaceutical education to meet the needs of industry and academia in 2006 offering B.Pharm course. Faculty of Pharmacy is approved by Pharmacy Council of India (PCI) & AICTE. It also offers M.Pharm and Ph.D in various disciplines of Pharmacy. Sophisticated instrumental facilities available in university including Powder XRD, UV-NIR, DSC, TGA, FT-IR, GC-MS, Zetasizer, etc. Institute is equipped with latest instrumentation facilities including Spray Dryer, Fluidized Bed Dryer, Lyophilizer, Tablet Compression Machine, HPLC, Rota Evaporator, Elisa Plate Reader etc. Considered an architectural splendour with ultramodern amenities, specially designed to suit the requirement of pharmacy education, FOP is now striving for establishing research facility by undertaking research on fundamental & practical aspects of pharmaceutical science to provide leadership in academia & industries.

All the departments of FOP are involved in various research areas viz. NDDS, Computer Aided Drug design, Herbal formulations, Analytical Method Development, Pre-clinical Pharmacology and Clinical Pharmacy. FOP have funded projects under SSIP (Student Startups and Innovation Policy). University has well established Nodal Center to promote budding scientist to convert their innovation into commercial set up.

### GUJCOST

Gujarat Council on Science and Technology (GUJCOST) working under the aegis of the Department of Science & Technology, Government of Gujarat, is the nodal agency for the S&T promotion, awareness, education, research and development through its various programmes and outreach activities across the state for nurturing, disseminating and popularizing science among the society through its Community Science Centres network in the State. Accordingly, the State Council is identifying the areas in which Science and Technology can be applied for development activities and achieve the goals of the State, with a particular emphasis to eliminate the prevailing backwardness, rural unemployment and poverty. It was also felt necessary to establish effective Communication and other links between, and Co-ordinate the activities of centres of Scientific and Technological Research, Government agencies and industries in order to promote the application of Science and Technology in the State.





**INTEGRATED TRANSLATIONAL APPROACH:  
NEW PARADIGM IN RESEARCH METHODOLOGY**

SHORT TERM TRAINING PROGRAMME | November 18-23, 2019



**Sponsored By: GUJCOST, DST, Government of Gujarat**

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Organization: \_\_\_\_\_

Correspondence Address: \_\_\_\_\_

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Phone: (Mob.) \_\_\_\_\_ (Off.) \_\_\_\_\_

**Details of Registration Fees: CASH/DEMAND DRAFT**

Amount in INR: \_\_\_\_\_ D. D No: \_\_\_\_\_

- Photocopy of registration form will be accepted
- Demand Draft should be in favor of "DDU Pharma Event", Payable at **Nadiad**.
- Address for sending registration form with fees, is as below;

**Faculty of Pharmacy  
Dharmsinh Desai University  
College Road, Nadiad 387001  
Gujarat, INDIA.**

- For any query related to registration contact : **Dr. Anand B. Pithadia, +91 98252 40367**

Date

Place

Signature

Signature & Seal of  
Principal/HOD

**ORGANISED BY**

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Continuing Dental Education (CDE) programme on the topic of “Building Practice of your Dreams” was held on 21<sup>st</sup> September 2019 for the post graduates, interns and final year students at Faculty of Dental Science Auditorium by Dr Bhavdeep singh Ahuja. He enhanced the knowledge regarding Private practice management and enlightened the basic steps towards successful clinic management.





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Mobile: 98247 27077 Ph: 0268- 2527077, 2522994, Email: [ddudental@gmail.com](mailto:ddudental@gmail.com)

Continuing Dental Education (CDE) programme on the topic of “Practice Management” was held on 20<sup>th</sup> August 2019 for the Post graduates, Final year students and Staff at Faculty of Dental Science Auditorium by Dr Alaap Shah. Dr Nidhi Jathal gave the welcome speech and introduced Dr Alaap Shah. Dr Alaap Shah enlightened the Practice Management and its importance to the students.





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Listerine lecture series was organized by the Department of Periodontology on 2<sup>nd</sup> of July, 2019 Tuesday, at Faculty of Dental Science, Dharmsinh Desai University. The lecture was conducted on “Current Opinion in Biofilm Management, Redefining Prevention, Redesigning Lifestyle” by Dr. Shalini Gupta ma’am, Professor, Department of Periodontology.







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Continuing Dental Education (CDE) programme on the topic of “Implantology” was held on 14<sup>th</sup> December 2019 for the post graduates, interns and Staff members at Faculty of Dental Science Auditorium by Dr Arvind U.D. He enhanced the knowledge regarding Implantology and ‘All on Four’ by audiovisual live demonstration.





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Two-Day Workshop on Rotary Endodontics was held on 29<sup>th</sup> July 2019 and 30<sup>th</sup> July 2019 at Faculty of Dental Science, Dharmsinh Desai University. Dr.Kunjal Mistry was the mentor of this workshop and he enlighten the Importance of the use of rotary in Endodontics and educated the participants regarding the whole rotary system and its functioning aspects in the Lecture on Day-1 followed by demonstration and Hands-on on Day-2.All participants were awarded the appreciation for participation by Respected Dean sir Dr.Hiren Patel at the end of the session.The session was informative for all participants of Faculty of Dental Science, DDU, Nadiad.





## Annexure-IV

### Program summary

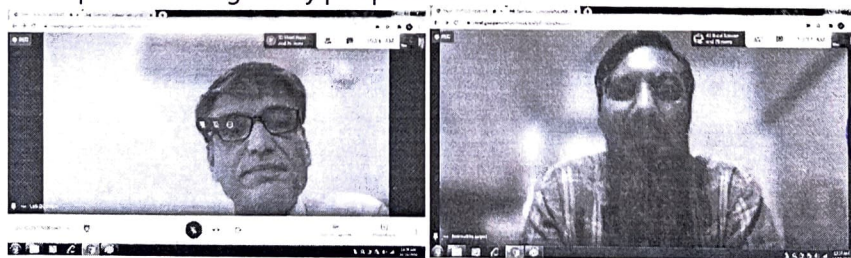
GUJCOST Sponsored national webinar on **"New Prior Knowledge: Accelerating Evidence Based Drug Development and Regulatory Review Process"** was organised by Faculty of Pharmacy, Dharmsinh Desai University, Nadiad on 14<sup>th</sup> October 2020. Around 200 Delegates from various academic institutes has actively participated in webinar & more than 20 entries were received in poster presentation competition.

Program schedule of webinar included two plenary lectures and e-poster presentation. The delegates took active participation in all the scientific events by interacting with the dignitaries during the talks and e-poster session.

Webinar began with inaugural function & **Dr. B. N. Suhagia**, Dean, Faculty of Pharmacy, DDU welcomed **Mr. Lalit Saraswat**, Director, Baroque Pharmaceuticals Pvt. Ltd., India as Chief Guest; **Mr. Naimuddin Saiyed**, Asst. Commissioner, FDCA, Gujarat as Guest of Honour and **Prof. Rajnikant Jain**, Registrar, DDU as well as Invited guests & delegates.

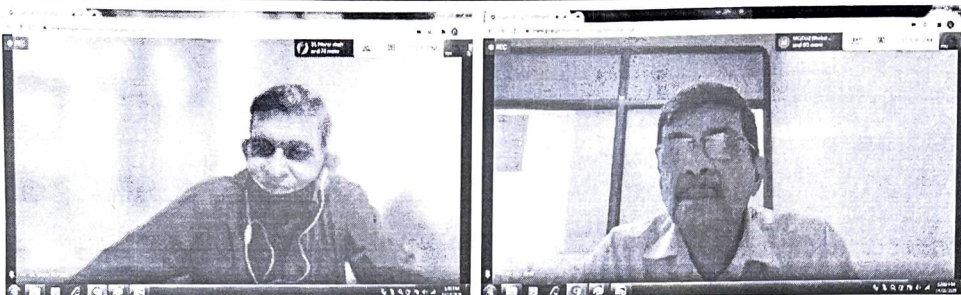


**Mr. Lalit Saraswat** highlighted in his speech, about the recent trends in pharmaceutical drug development and regulatory perspectives.

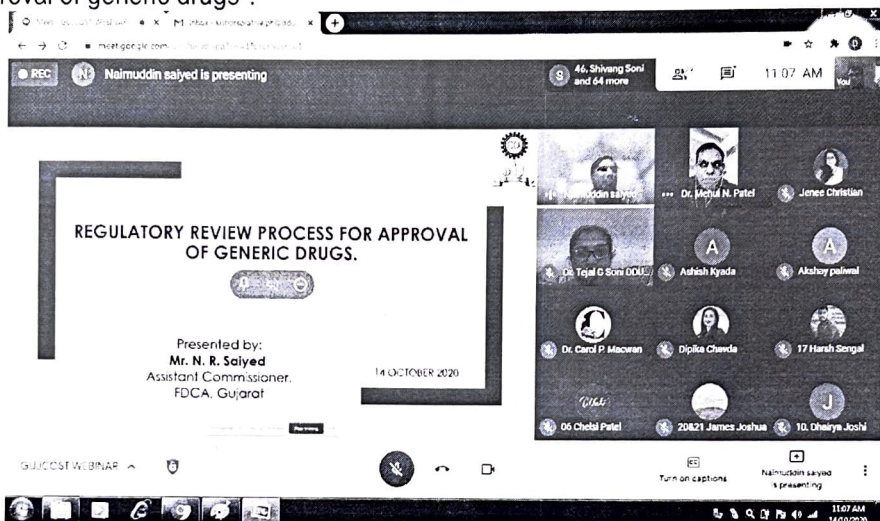


**Mr. Naimuddin Saiyed** has briefed about role of regulators in current scenario. **Prof. Rajnikant Jain** has oriented about DDU & greeted all to DDU. **Dr. Kishorkumar Sorathia**, Assistant Professor, FOP, DDU & Coordinator of the webinar has delivered vote of thanks.

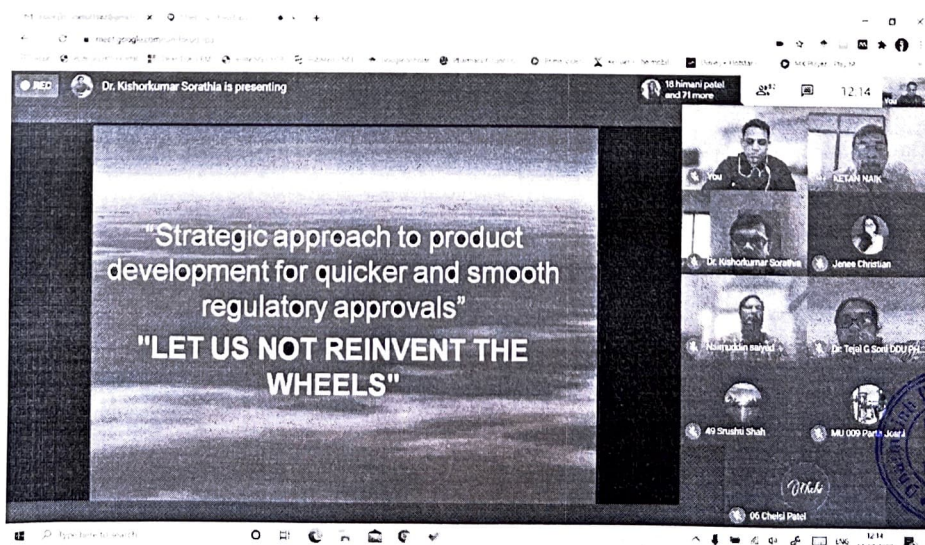
## Program summary



First lecture was delivered by Mr. Naimuddin Saiyed on "Regulatory review process for approval of generic drugs".



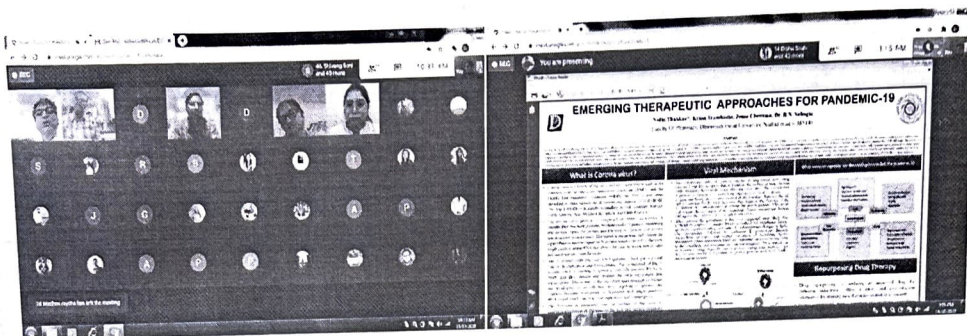
Second session was delivered by **Mr. Ketan Naik**, Executive Director, Astral SteriTech Pvt. Ltd., Vadodara on "Strategic approach to product development for quicker and smooth regulatory approvals: let us not reinvent the wheels".



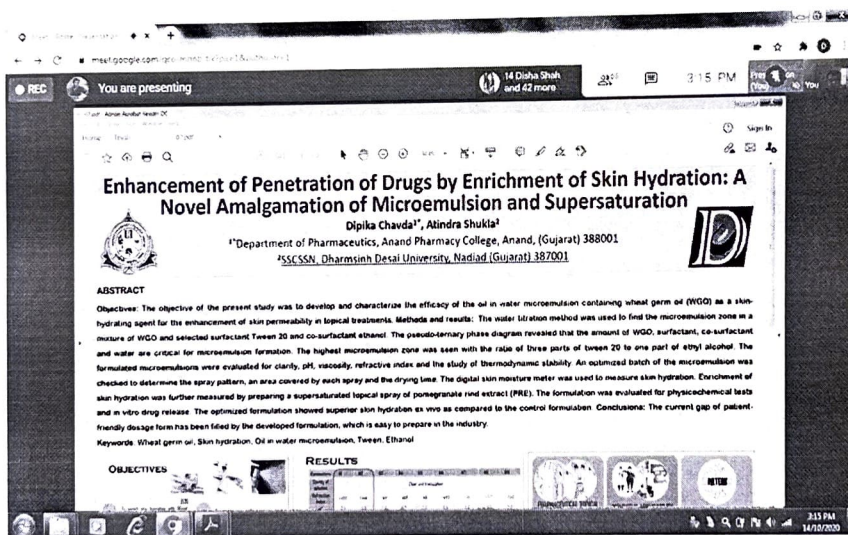


## Program summary

Post lunch session was the e-poster presentation of various fields related to the pharmaceutical sciences. Poster presentation was evaluated by the panel of judges namely, **Dr. V. A. Patel, Dr. Nehal Shah, Dr. Mehul Patel & Dr. Tejas Patel.**



The best poster award was presented to **Ms. Dipika Chavda**, Anand Pharmacy College, Anand. At the end of webinar, vote of thanks was delivered by **Dr. Tejas Patel**, Assistant Professor, FoP, DDU.



# FACULTY OF PHARMACY DHARMSINH DESAI UNIVERSITY

College Road, Nadiad-387001, Gujarat



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Dr. M. Guleya

**COURSE DIRECTOR**

Dr. Hemul A. Patel

**COURSE CO-ORDINATOR**

Dr. Tojus D. Patel

**CO-COORDINATOR**



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Pharmacy Council**



**REGISTRATION LINK**

<http://bit.ly/refreshercourseddunadiad>

**NO REGISTRATION FEE**



**For More Informations**

**Dr. Mehul N. Patel**

**Associate Professor**

**+91 99090 55265**

**mehulpatel.ph@ddu.ac.in**





# GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY

Department of Science & Technology, Government of Gujarat

Block : B, 7th Floor, M. S. Building, Nr. Pathikashram, Sector-11,  
Gandhinagar, Gujarat - 382011.

Phone : (079) 23259362-65 Fax : (079) 23259363

E-mail : [info-gujcost@gujarat.gov.in](mailto:info-gujcost@gujarat.gov.in)

URL : [www.gujcost.gujarat.gov.in](http://www.gujcost.gujarat.gov.in)



**Dr. Narottam Sahoo**

Advisor & Member Secretary

GUJCOST/Seminar Grant 3020/2020-21/ 1200

3<sup>rd</sup> September, 2020

**Dr. Kishorkumar R. Sorathia**

Dharmsinh Desai University

College Rd. Chalali, Nadiad,

Gujarat 387001

**Sub:** Financial Support of GUJCOST for the webinar on "New Prior Knowledge: Accelerating Evidence Based Drug Development and Regulatory Review Process"

**Ref:** Your proposal, dated 19<sup>th</sup> August, 2020

Dear Sir,

Greetings from Gujarat Council on Science and Technology (GUJCOST), Gandhinagar

With reference to above, it is our pleasure to inform you that your proposal for holding the "New Prior Knowledge: Accelerating Evidence Based Drug Development and Regulatory Review Process" during 14<sup>th</sup> October, 2020 has been considered for the financial support of GUJCOST.

GUJCOST, is in principle approved an amount of Rs. 15,000/- (Rupees fifteen thousand only) for this programme on the following terms and conditions.

1. If you change the date and speakers or proposed resource person then please, intimate to GUJCOST.
2. The programme will be organised as per the proposal and guidelines of GUJCOST for the grant.
3. GUJCOST will release the sanctioned amount after the completion of the programme and on receipt of the programme report, Utilization Certificate, list of experts, Nos of participants, statement of income & expenditure copy of vouchers, photographs, press notes, etc. with necessary stamp and signature of the Programme Coordinator and Head of the Institute.
4. The organiser should send one illustrative poster including the title of the programme, dates, venue and other information details in one-week advance to publish on GUJCOST website and social media for broader outreach.
5. The organiser shall acknowledge the support of GUJCOST, DST, and Govt. of Gujarat in all the publications including poster, brochure, banner, backdrop, invitation card, press release, souvenir and proceedings.
6. The organiser shall invite the DST, Govt. of Gujarat institutions as Resource Person / Expert Member as per the subject matter concern.
7. Once the programme is over, the organiser shall submit the program report, statement of expenditure and Utilization Certificate within one month of completion of the programme.
8. The organiser should send the webinar link to GUJCOST and also update poster, brochure and photographs on their social media platform like twitter and Facebook.

We once again thank you for your kind effort and interest in organising the programme and wish the programme a grand success.

Thank you and with best regards.

Yours sincerely,

(Narottam Sahoo)



**Faculty of Pharmacy**  
**Dharmsinh Desai University, Nadiad**  
**Summary of Conferences/Seminar organised**

1	Seminar	Orientation session for all students & faculties of Institute by Innovation Ambassador	2020-2021	1	111
2	Seminar	Interactive session with a successful Entrepreneur and Start up Founder	2020-2021	1	101
3	Seminar	Orientation session for Students and Faculties by Innovation Ambassador organised by Faculty of Pharmacy, Dharmsinh Desai University, Nadiad	2020-2021	1	197
4	Seminar	Orientation programme on National Innovation and Startup Policy(NISP) organised by Faculty of Pharmacy, Dharmsinh Desai University, Nadiad	2020-2021	1	221
5	Workshop	Two days Refresher course for registered Pharmacist	2020-2021	2	200
6	Seminar	New Prior Knowledge : Acceleration Evidence Based Drug Development and Regulatory Review Process	2020-2021	1	200
1	Workshop	Integrated translational approach: New Paradigm in Research Methodology	2019 - 2020	6	51
2	Conference	APP Fourth Indo Caribbean Conference on Current Trends in Drug Design Medicinal Chemistry and Pharmaceutical Sciences	2019 - 2020	1	400
3	Guest Lecture	Some Ancient Traditional Drugs by Dr Chaitanya Bhatt	2019 - 2020	1	92
4	Guest Lecture	Product development steps and risk associated with manufacturing of pharmaceutical dosage forms by Shri Himmat Patel	2019 - 2020	1	86
5	Workshop	One day workshop on uncovering aspects of prior art search for innovation	2019 - 2020	1	125
1	Seminar	Common gynecological disorders in women: Issues, Awareness and preventive Measures.	2018 - 2019	1	97
2	Seminar	Pharmacovigilance: Recent Aspects and Future Prospects	2017 - 2018	1	123
3	Seminar	Current Methodologies in Clinical Research	2018 - 2019	1	210
4	Seminar	Startups and Entrepreneurial Opportunities in	2018 -	1	118





**Faculty of Pharmacy**  
**Dharmsinh Desai University, Nadiad**  
**Summary of Conferences/Seminar organised**

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**Faculty of Pharmacy**  
**Dharmsinh Desai University, Nadiad**  
**Summary of Conferences/Seminar organised**

		Pharmaceutical Sciences	2019		
1	Guest Lecture	Pharma Marketing and Brand Management by Mr Avinash Kumar	2017 - 2018	1	100
2	Guest Lecture	Yoga and Postural Health by Dr Nilima Patel	2017 - 2018	1	82
3	Guest Lecture	Anti Ragging Rules and Regulation in accordance with UGC and PCI by Dr Jayesh Talati	2017 - 2018	1	92
4	Guest Lecture	Channel of Distribution by Dr D V Patel	2017 - 2018	1	56
5	Guest Lecture	Regulatory Aspects by Dr Manoj Gadhvi	2017 - 2018	1	83
6	Guest Lecture	Overseas research opportunities in Pharmacy and Pharmacy PG in India Myth facts and opportunities by Dr Pathik S Brahmshatriya	2017 - 2018	1	90
1	Guest Lecture	Regulatory Aspects of Herbal medicines by Dr D R Lohar	2016 - 2017	1	81
2	Guest Lecture	Application of CryoEM to soft molecular assemblies by Prof Dganit Danino	2016 - 2017	1	75
3	Guest Lecture	Scope and Opportunities of Pharmacovigilance in India by Dr Bharat Gajjar	2016 - 2017	1	83
4	Guest Lecture	Interactive session for Bioentrepreneur Programme by Harsh Thawani	2016 - 2017	1	78
5	Guest Lecture	Antiragging rules and regulation in accordance with UGC and PCI by Mr Jayesh Talati	2016 - 2017	1	72





# GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY

Department of Science & Technology, Government of Gujarat

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सत्यमेव जयते



**Dr. Narottam Sahoo**

Advisor & Member Secretary

GUJCOST/Sem-Symp 3403(1)/2021-22/ 1386-

26th July, 2021

**Dr. Pallavi g. Darji**

Associate Professor

Electronics and Communication Department

Dharmsinh Desai University

Faculty of Technology, Nadiad: 387001

Sub: Financial Support of GUJCOST for the National STTP on "Analog Circuit Design: Opportunities and Challenges"

Ref: Your proposal, dated 3<sup>rd</sup> April, 2021

Dear Madam,

Greetings from Gujarat Council on Science and Technology (GUJCOST), Gandhinagar.

With reference to above, it is our pleasure to inform you that your proposal for holding the "Analog Circuit Design: Opportunities and Challenges" during 18-22<sup>nd</sup> October, 2021 has been considered for the financial support of GUJCOST.

GUJCOST, is in principle approved an amount of Rs.20,000/- (Rupees twenty thousand only) for this programme on the following terms and conditions.

1. If you change the date and speakers or proposed resource person then please, intimate to GUJCOST.
2. The programme will be organised as per the proposal and guidelines of GUJCOST for the grant.
3. GUJCOST will release the sanctioned amount after the completion of the programme and on receipt of the programme report, Utilization Certificate, list of experts, Nos of participants, statement of income & expenditure copy of vouchers, photographs, press notes, etc. with necessary stamp and signature of the Programme Coordinator and Head of the Institute.
4. The organiser should send one illustrative poster including the title of the programme, dates, venue and other information details in one-week advance to publish on GUJCOST website and social media for broader outreach.
5. The organiser also publish the informative brochure / poster on institute social media for broader outreach.
6. The organiser shall acknowledge the support of GUJCOST, DST, and Govt. of Gujarat in all the publications including poster, brochure, banner, backdrop, invitation card, press release, souvenir and proceedings.
7. The organiser shall invite the DST, Govt. of Gujarat institutions as Resource Person / Expert Member as per the subject matter concern.
8. Once the programme is over, the organiser shall submit the program report, statement of expenditure and Utilization Certificate within one month of completion of the programme within one month.

We once again thank you for your kind effort and interest in organising the programme and wish the programme a grand success.

Thank you and with best regards.

Yours sincerely,

  
(Narottam Sahoo)

**ATAL FDP on  
Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma**

**REPORT**



**Rejuvenating Learning with World Class Business  
Improvement Approach - Lean Six Sigma  
28 June to 02 July, 2021**

**Department of Mechanical Engineering  
Dharmsinh Desai University**

**AICTE TRAINING AND LEARNING ACADEMY, PUNE**





**ATAL FDP on  
Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma**

5-Days ATAL AICTE sponsored workshop was conducted from 28 June to 02 July 2021 in which total 200 participants from different parts of the country participated.


The speakers for the 5-day workshop on “Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma” were:


1. Dr. S Vinodh
2. Dr. V. Raja Shreedharan
3. Mr. Nital Zaveri
4. Dr. Shashank Thanki
5. Mr. Manish Kothari
6. Mr. Debasis Majumdar
7. Mr. Hiren Kakkad
8. Mr. Mehul Gandhi
9. Mr S.K. Rajeev Nair


<b>Dr S Vinodh</b>	<b>Education</b>	<b>Experience</b>
	Ph.D. Mechanical Engineering M.E. Production Engineering B.E. Mechanical Engineering.	Teaching Experience: 12 Years Research Experience: 14 Years

<b>Dr. V. Raja Sreedharan</b>	<b>Education</b>	<b>Experience</b>
	Ph.D. Industrial Engineering  Post- Graduation, Industrial Engineering  Graduation, Mechanical Engineering	Teaching Experience: 10 Years

**ATAL FDP on  
Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma**

<b>Mr Nital Zaveri</b>	<b>Education</b>	<b>Experience</b>
	<b>International</b> CMC (Certified Mgt. Consultant) CMQOE – Certified Manager for Quality , Org. Excellence – ASQ USA <b>Other</b> Mechanical Engr with Master of Business Administration Diploma in Lean Mgt. Diploma in Autocad Diploma in TQM Certified Six Sigma Black Belt Certified Examiner for Quality Management Lead Auditor ISO 9001-2000 Internal Auditor TS 16949 Certificate Course on Strategy, Marketing , Operation from IIM Bangalore	6 Years experience in ABB, ABC Bearing, Himalaya Machinery Ltd. 23+ years experience as Lead Consultant and Director of Concept Business Excellence Pvt. Ltd and Concept Consulting Enterprise.


<b>Dr. Shashank Thanki</b>	<b>Education</b>	<b>Experience</b>
	Ph.D Mechanical Engineering M.E Mechanical Engineering B.E. Production Engineering	Total 23 years of experience in academics.  June 2019 to till date: Institute of Management, Nirma University  September 1999 to June 2019: S.V.M. Institute of Technology, Bharuch


<b>Mr. Manish Kothari</b>	<b>Education</b>	<b>Experience</b>
	B. E. Mechanical Post Diploma in German Language UNCTAD – Empretec Graduate – Nov 2018	30+ years in foundry industry. 6+ years in garment – textile industry 6+ years in vocational education with Swiss Pedagogy 1+ year in medicated masks manufacturing 2+ years advisor, facilitation and coach on behavioural change with Empretec India




**ATAL FDP on  
Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma**

<b>Mr Debasis Majumdar</b>	<b>Education</b>	<b>Experience</b>
	PGDIM – Marketing & Sales  MBB – ISI, Bangalore  Coach, Facilitator of LMI – Leadership Management International	30 years of senior management experience. Worked across boundaries - South Asia, South East Asia, China region, Europe. Championed many critical improvement projects.

<b>Mr Hiren Kakkad</b>	<b>Education</b>	<b>Experience</b>
	MQPM (Masters in Quality & Productivity Management) B.B. A. (Specialized in Marketing) Certified Lean Six Sigma Black Belt (From BMGI) Certified Internal Auditor of ISO 9001 Certified Trainer by NSDC and Skill India Certified Google Analytics Professional	More than 9 years of industrial experience (Worked as Senior Consultant and Trainer)  Trained 9000+ participants  Guided 100+ Improvement projects Assisted 45+ Research Projects

<b>Mr Mehul Gandhi</b>	<b>Education</b>	<b>Experience</b>
	MQPM (Masters in Quality & Productivity Management) B. Com (Specialized in Account) Certified Lean Six Sigma Black Belt (From BMGI) Certified Internal Auditor of ISO 9001:2015	More than 8 years of industrial experience (Working as QA Head) Trained 1000+ participants & Guided 30+ Improvement projects

<b>Mr S.K. Rajeev Nair</b>	<b>Education</b>	<b>Experience</b>
	MBA [Human Resource Management] PGDEHR[Entrepreneurship & Human relation] NDDY[Diploma in Naturopathy & Diploma in Yoga] PSSOU [Post Graduate Diploma in Yoga Science] Bachelor of Arts	23 years of experience

**ATAL FDP on  
Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma**

The schedule of the workshop was as below-

<b>Day &amp; Date</b>	<b>Time</b>	<b>Title</b>	<b>Name of Experts</b>
Day 1 28-06-2021	09:00 to 11:00	Lean Manufacturing and Six Sigma: Theoretical and Practical Perspectives	Dr. S Vinod
	11:30 to 01:30	Define Phase of Lean six sigma (Part-I)	Mr. Debasis Majumdar
	03:30 to 05:30	Managing the business in the VUCA( volatility, uncertainty, complexity and ambiguity ) World: A Global perspective	Dr. V. Raja Shreedharan
Day 2 29-06-2021	9:00 to 11:00	Define Phase of Lean six sigma and toll gate review (Part-II)	Mr. Debasis Majumdar
	11:30 to 01:30	Measure Phase of Lean Six sigma (Part-I)	Mr. Hiren Kakkad
	02:30 to 04:30	Measure Phase of Lean Six sigma (Part-II)	Mr. Hiren Kakkad
Day 3 30-06-2021	9:00 to 11:00	Measure Phase of Lean Six sigma and toll gate review (Part-III)	Mr. Hiren Kakkad
	11:30 to 01:30	Analyse Phase of Lean Six sigma (Part-I)	Mr. Nital Zaveri
	02:30 to 04:30	Analyse Phase of Lean Six sigma (Part-II)	Mr. Nital Zaveri
	04:30 to 05:30	Enlightenment of human hardware & software through yoga & meditation	Mr S.K. Rajeev Nair
Day 4 01-07-2021	9:00 to 11:00	Analyse Phase of Lean Six sigma and toll gate review (Part-III)	Mr. Nital Zaveri
	11:30 to 01:30	Control Phase of Lean Six sigma and toll gate review	Mr. Ritesh Bhatt
	02:30 to 04:30	Integration of improvement approaches for sustainability	Dr. Shashank Thanki
Day 5 02-07-2021	9:00 to 11:00	Improve Phase of Lean Six sigma and toll gate review	Mr. Mehul Gandhi
	11:30 to 01:30	Importance and use of behaviour analysis for implementation of LSS for world class	Mr. Manish Kothari
	02:30 to 04:30	Valedictory function, feedbacks and Exam	

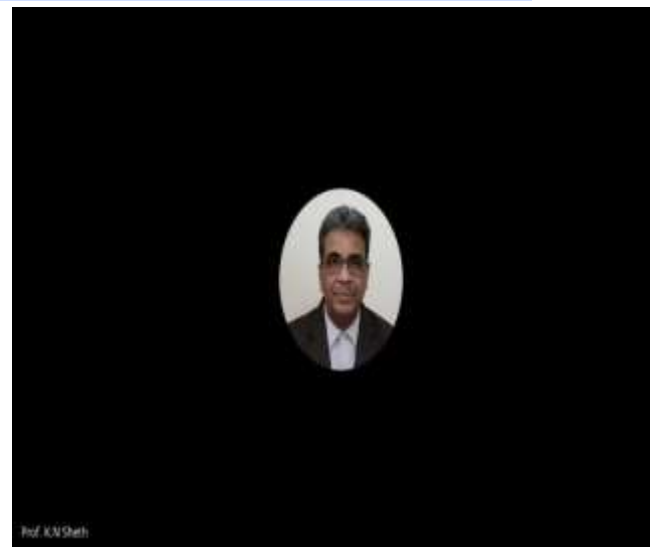
The programme was inaugurated on June 28, 2021 at 08:45 am in the presence of Prof. K N Sheth, Dean, Faculty of Technology, Dharmsinh Desai University and Prof (Dr) G. D. Bassan, Head, Department of



## ATAL FDP on Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma

Mechanical Engineering, Faculty of Technology, Dharmsinh Desai University. The welcome address was given by Dr Shruti J. Raval, FDP coordinator, Department of Mechanical Engineering, Faculty of Technology, Dharmsinh Desai University

Some screenshots of the inaugural function are as below.



**ATAL FDP on  
Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma**

The list of participants was:

No	Name	Organization	Email ID	Mobile Number
1	Dr. Ajit Baburao Deore	MITWPU,Pune	ajit.deore@mitwpu.edu.in	9823353298
2	Dr. Ajit Kumar N Shukla	PSIT College of Engineering	ajitkumarnshukla@gmail.com	9428153857
3	Dr. Aman J B	Tata Institute of Social Sciences	aman.borkar@tiss.edu	8530108999
4	Dr. Anand Bewoor	Cummins College of Engineering for Women, Pune	dranandbewoor@gmail.com	9511293267
5	Dr. Ashutosh Shukla	School of Management Sciences Varanasi	shuklaabs@gmail.com	9839793056
6	Dr. Bharat Bhusan Satapathy	Padmashree Krutartha Acharya College Of Engineering	bbs.pkace@gmail.com	7978779461
7	Dr. Bhavika Gamhhava	DDU	gambhava.b@gmail.com	9426925349
8	Dr. Charan Kumar Ganteda	Koneru Lakshmaiah Education Foundation	charankumarganteda@kluniversity.in	8247565559
9	Dr. Chhabi ram matawale	Shri Rawatpura Sarkar University Raipur	sri.principal18@gmail.com	8085576917
10	Dr. Diljeetkaur Makhija	Institute Of Management, Nirma Univeristy	Diljeet.makhija@gmail.com	9426501904
11	Dr. Dr.R.Suresh Premil Kumar	Stella Mary's College of Engineering	sureshpremilkumar@gmail.com	8870078946
12	Dr. Dr.S.Vinay Kumar	Aditya college of engineering Madanapalle	2017.bitmtech@gmail.com	6362218090
13	Dr. Firoz Ahmad	Aligarh Muslim University	firoz.ahmad02@gmail.com	9528254461
14	Dr. Gajanan shankarrao patange	Charotar University Of Science And Technology	gajananpatange.me@charusat.ac.in	9998716477
15	Dr. Goutam Saha	Agartala Government Medical College	goutam.stat@gmail.com	9436356900
16	Dr. Govindan.P	Mailam engineering college	npgoan@gmail.com	9790217755
17	Dr. L. D. Patel	Parul Institute of Pharmacy	drldp3545@gmail.com	9825196294
18	Dr. M Srinivasa rao	GMR Institute Of Technology	msrsrinivasa@gmail.com	9000542347
19	Dr. M.Kousalyadevi	Hindusthan college of arts and science	kousalyadevi.m@hicas.ac.in	8248450945
20	Dr. Mahesh Rama Jadhav	TKIET	mrjadhav@tkietwarana.ac.in	9730575257
21	Dr. Nandkumar N Bhopale	MGM CET Kamothe, Navi Mumbai	nandkumarb21@gmail.com	9920352310
22	Dr. Pardeep kumar	Meerut Institute of Engineering and Technology, Meerut	pardeep.kumar@miet.ac.in	9896989643
23	Dr. Pooja Mittal	RIMT University	poojamittal2009@gmail.com	9817645059
24	Dr. Prakash S Dabeer	Acharya Institute of Technology	psdabeer@rediffmail.com	9860676940
25	Dr. Purvang Dalal	Dharmsinh Desai University	pur_dalal.ec@ddu.ac.in	9426033978
26	Dr. Rajesh M	Dr Ambedkar Institute of Technology	mrjarai@gmail.com	9538181440
27	Dr. Rajeshkumar Patel	Marwadi University	rajesh.patel@marwadieducation.edu.in	9099095048
28	Dr. Ramkumar P N	MEA Engineering College	ramkumar446@rediffmail.com	8075060654



**ATAL FDP on  
Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma**

29	Dr. S.Murali	Jansons Institite of Technology	muralisvino@gmail.com	9944426580
30	Dr. Sanjeev Kumar	Jcboseust Ymca Faridabad	skumar.ymca@gmail.com	9818187936
31	Dr. Sapna Sharma	SSIPMT Raipur	sapnasharma005@gmail.com	9098700345
32	Dr. Sarasija Suresh	IDBR	sarasija_s@hotmail.com	8762002557
33	Dr. Shobha	Karunya University	shobhapaulson@gmail.com	9080780818
34	Dr. Sonal Khurana	Maharaja Agrasen Institute of Technology	sonal.khurana@gmail.com	9873248683
35	Dr. V.Amarnath	Sri Ramakrishna Engineering College	amarnath.v@srec.ac.in	9487257891
36	Dr. Varalaxmi Seeram M	Andhra university	drvaralaxmism@gmail.com	9550296349
37	Dr. Zulfiquar Naimuddin Ansari	Babaria Institute of Technology, Vadodara	zulfiquara78@gmail.com	7990313073
38	Miss Apita Choudhary	Faculty Of Pharmaceutical Sciences, Rama University, Kanpur	arpitachoudhary466@gmail.com	9336916119
39	Miss Divya Paikaray	Arka Jain University	divya.paikaray17@gmail.com	8809117464
40	Miss Hariprasath	vel tech university	hariprasath2410@gmail.com	8300296929
41	Miss Keerthi R	National Institute of Engineering	keerthiramprathap97@gmail.com	8762996107
42	Miss Neha Sanjiv Tadam	MGI-COET, Shegaon	nehatadam@gmail.com	7447518447
43	Miss parminder dutta	lpu	parminder.26339@lpu.co.in	9582122851
44	Miss Pinky Bahuguna	Hemvati Nandan Bahuguna Garhwal University	pinkybahuguna0@gmail.com	9897911781
45	Miss R.Shalini	Periyar Maniammai Institute of Science and Technology, Thanjavur	latharavi08131@gmail.com	9043091738
46	Miss Rinal Mistry	Dharmsinh Desai University	rinalmistry.ic@ddu.ac.in	9274715022
47	Miss Ruchi Jakhmola Mani	Amity Institute of Biotechnology	rjakhmola@amity.edu	9711270719
48	Miss Sistla Srivalli Leela Praveena	Shoolini University	ssleela99@gmail.com	9676856699
49	Miss Sneha	Gujarat Technological University	Snehahingrajiya@gmail.com	8140754833
50	Miss Sultana	Mewat Engineering College	sultana9555@gmail.com	7015971605
51	Miss Uthra B	CSIR-Central Electronics Engineering Research Institute	uthrabharathi95@gmail.com	8438244978
52	Mr Madan Kumar. P.C.	The Indian public school Senapathypalayam	madan.madddy@gmail.com	8971661564
53	Mr Manish Shakya	Cotecna inspection India Pvt ltd indore	manish.shakyalab@gmail.com	9713215160
54	Mr Maruti Nandan Verma	Maharana Pratap Polytechnic	maruti.nandan540@gmail.com	8299231770
55	Mr Nitin Kumar	Haradayal technical campus	ernitinkumar14@gmail.com	7536855614
56	Mr Rizwan Ahamed Khan.A	Asian Group Of Institutions	rizwan_marine@yahoo.com	9566522602
57	Mr Shah Pranav Rameshbhai	IETE Ahmedabad	pranav.shah.ec@gmail.com	9510024327
58	Mr Suresha M	Scania commercial vehicles india pvt Ltd	suresh35.am@gmail.com	7204057501

**ATAL FDP on  
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59	Mr Vinil Bangera	Wellingkar Institute of India Matunga	vinil.bangera@gmail.com	9029400720
60	Mr. Abhay Nagendra Purant	DKTE TEI	abhaynpurant@gmail.com	9325488289
61	Mr. Abhishek Mishra	SIES College of Arts, Science and Commerce (Autonomous)	mishra.abhishek48@gmail.com	9768101539
62	Mr. Akhil M S	SCMS College Of Polytechnics	akhilms@scmsgroup.org	9495157716
63	Mr. Amin Mihir Hareshkumar	Charusat University	mihiramin319@gmail.com	9773005819
64	Mr. Amit Patel	Dharmsinh Desai University	aspatel.mh@ddu.ac.in	9898708479
65	Mr. Anil Kumar	vehant technologies pvt ltd noida	akumar1212.1989@gmail.com	8860330663
66	Mr. Arun Kumar Ahuja	Amity University	nitk.arun@gmail.com	9582366413
67	Mr. B Venkata Amaranatha Reddy	SVR Engineering college	amarbareddy@gmail.com	9490375890
68	Mr. B.Srinivasa Rao	Gandhi Institute of Excellent Technocrats	urwithbs@gmail.com	7978604416
69	Mr. Bachala Ravi Varma	Mallareddy Engineering College(Autonomous)	bachalaravivarma@gmail.com	8008845763
70	Mr. Balwant Singh	Chandigarh University	cubalwant@gmail.com	9988443001
71	Mr. Battula kasi viswanadham	narasimhareddy engineering college	bkasiviswanadham@gmail.com	9652681249
72	Mr. Bhavin N. Bhimani	Marwadi University	bhavin.bhimani@marwadieducation.edu.in	8980502080
73	Mr. Brijesh Parsottambhai Waghela	Dharmsinh Desai University, Nadiad, Gujarat	bpvaghela.mech@ddu.ac.in	9904290716
74	Mr. CH.Kishore Reddy	Prasad V Potluri Siddhartha Institute Of Technology	kishorereddymtech@gmail.com	7382219990
75	Mr. Dattaguru mohanlal sawardekar	Don Bosco college of engineering fatorda Margao Goa	dattaguru1978@gmail.com	9226314055
76	Mr. Deepankar Pati	NIET, Angul	deepankarpati@gmail.com	7978574870
77	Mr. Dhiyaneswaran	Sri Krishna College of Engineering and Technology	dhiyanesmech@gmail.com	9677413361
78	Mr. Dhanik Natvarlal Patel	Dharmsinh Desai University	dhanikpatel7@gmail.com	9974911109
79	Mr. Dilipkumar K Patel	S.N.Patel Institute of technology and research centre	pateldilip20071986@gmail.com	9909133019
80	Mr. Fadadu Chiragkumar Manojbhai	Faculty of Technology, Dharmsinh Desai University - Nadiad	chiragfadadu@gmail.com	9724629491
81	Mr. Furquan Raza	Vishwa Vishwani Institute of System and Management	furquanraza47@gmail.com	7083590150
82	Mr. Gaurav Rambhau MOHITE	SBJITMR	grvmohite@gmail.com	9405215290
83	Mr. Gaurav Tiwari	CIPET Jaipur	gaurav.or.tiwari@gmail.com	8770323306
84	Mr. George Joseph	SCMS College Of Polytechnics	georgemuthalathu@gmail.com	9495273418
85	Mr. Gopal Sharma	Eshan college of engineering	Gopal.1983@rediffmail.com	9557584165
86	Mr. Himanshu Gupta	Guru Brahma Nand Ji Government Polytechnic Nilokheri	himanshugupta_2k@yahoo.co.in	9416097224
87	Mr. Himanshu Vinubhai Patel	Dharmsinh Desai University	himanshupatel.mech@ddu.ac.in	9033510459



**ATAL FDP on  
Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma**

88	Mr. Himanshukumar R. Patel	Dharmsinh Desai University	himanshupatel.ic@ddu.ac.in	7698308667
89	Mr. Hirenkumar Nileshbhai Pandya	Dharmsinh Desai University	hnpandya.mh@ddu.ac.in	9687325225
90	Mr. J Murali krishna	MEIL	sreesanth9610@gmail.com	8187099200
91	Mr. Jaison James	SCMS college of polytechnics	jaisonjames@scmsgroup.org	9400521454
92	Mr. Jatayu Baxi	Dharmsinh Desai University	jatayubaxi.ce@ddu.ac.in	9925780426
93	Mr. Jaydeepsinh M Ravalji	Faculty Of Technology, Ddu, Nadiad	jmravalji.mh@ddu.ac.in	9427516474
94	Mr. Jigneshsinh Mahendrasinh Rathod	Dharmsinh Desai University, Nadiad	jm Rathod99@gmail.com	9408723139
95	Mr. Joravar Singh Shekhawat	Pratap Institute Of Technology And Science, Sikar (Rajasthan)	joravar988@gmail.com	9928118606
96	Mr. joydeep kundu	Asansol Engineering College	joydeepkundu2007@gmail.com	9933870726
97	Mr. K .Venkateshwaran	K.S.R.College Of Engineering	venkateshwaran@ksrce.ac.in	9787923320
98	Mr. K Arun	Sri Venkateswara College of Engineering	arun.k@svcolleges.edu.in	9059464908
99	Mr. Kalyan Mukherjee	Dr. Sudhir Chandra Sur Institute of Technology	kalyan.aue08@gmail.com	9804247616
100	Mr. Kameswara Rao. P	Lendi Institute of Engineering and Technology	mahalaximi46@gmail.com	8179402808
101	Mr. Karm P. Balar	SSASIT, SURAT	balarkarm@gmail.com	8866393303
102	Mr. Karthikeyan Thangaraju	Srimad Andavan arts and science college	saaikarthik1011@gmail.com	9944261466
103	Mr. Kartik	Dharmsinh Desai University	kartikmandavia.mech@ddu.ac.in	8866322047
104	Mr. Kawaljit singh Randhawa	Chandubhai S Patel Institute of Technology	kawaljitrandhawa.me@charusat.ac.in	8000125001
105	Mr. Kishan Hingrajiya	MSU	kishanhingrajiya@gmail.com	8347316097
106	Mr. Krunalkumar Kanaiyalal Shah	Dharmsinh Desai University	kkshah.nptelcourses@gmail.com	9510288906
107	Mr. L Suresh	Sree Vidyanikethan Engineering College	sureshsvpcet@gmail.com	9000052511
108	Mr. M. Prem Kumar	TVR Polytechnic Sondipudi	premkumarmodekurti@gmail.com	9573496795
109	Mr. Maharshi Gandhi	Smartmeters Technologies Private Limited	maharshigandhi85@gmail.com	9978882112
110	Mr. Mahendra Manohar Chaudhari	RMD Sinhgad School Of Engineering (RMDSSOE)	mahendrachaudhari.rmdssoe@sinhgad.edu	9834963085
111	Mr. Mahesh Parisa Goundi	KLE'S C B Kore Polytechnic Chikodi	Goundimahesh9@gmail.com	9481004212
112	Mr. Mahesh Rameshbhai Chavda	Dr. Jivraj Mehta Institute of Technology	maheshchavda1990@gmail.com	8401480552
113	Mr. Manas ranjan sahu	Centurion university of technology and management	manasranjan.sahoo@cutm.ac.in	9090715150
114	Mr. Manoj Rawat	Allenhouse Institute Of Technology	manojdaa@gmail.com	9307257625
115	Mr. MD Sufiyan Jawaid	RKDF University	mdsjawaid@gmail.com	9693435082
116	Mr. Milan Arunbhai Virani	Dharmsinh Desai University	milanvirani6@gmail.com	8866250020

**ATAL FDP on  
Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma**

117	Mr. Milind Ramchandra Desai	Yashwantrao Bhonsale Polytechnic	desaimilin@gmail.com	9004094883
118	Mr. Mithun Gain	JIS School of Polytechnic	hod.me@jissp.ac.in	7003850362
119	Mr. Mohit Kumar Singh Senger	College of Engineering Roorkee	mohitsenger@coer.ac.in	7017303075
120	Mr. N. Srinivasulu	KONERU LAKSHMAIAH EDUCATION FOUNDATION	nsrinivasulu@kluniversity.in	9963171843
121	Mr. Narayandas Pratap	Vignana bharathi institute of technology	pratap.340@gmail.com	8985446536
122	Mr. Narendrakumar Vinubhai Chauhan	Faculty of Technology, Dharmsinh Desai University	nvc.ec@ddu.ac.in	9898449881
123	Mr. nayan soni	chhattisgarh engineering college	nayan.gymnast.durg@gmail.com	8871069868
124	Mr. Nidhin Sreedas	Govt Engineering College Kozhikode	nidhinkannan33@gmail.com	9633384793
125	Mr. Nilay Manojkumar Bhavsar	Dharmsinh Desai University	nmbhavsar.mech@ddu.ac.in	9558643679
126	Mr. Niraj Dubey	Gujarat Technological University	nirajdebeycareer@gmail.com	8368312659
127	Mr. NIRAV	Dharmsinh Desai University	nirav.vora78@gmail.com	9426364027
128	Mr. Nithin V K	Universal Engineering College	nithinvk@uec.ac.in	9567106840
129	Mr. P Kiran Babu	PACE Institute of Technology and Sciences	pulipatikiranbabu@gmail.com	9133878443
130	Mr. Pandian R	Loyola - ICAM College of Engineering and Technology	ilash.dreams03@gmail.com	9894199551
131	Mr. Parth Shah	Sigma institute of Engineering	parth.enthu@gmail.com	9429084243
132	Mr. Pinjarla Tulasi R Kumar	BVC College Of Engineering	ravikumar.p7777@gmail.com	9059537154
133	Mr. Prajapati Mitesh Natvarbhai	Dharmsinh Desai University	mitesh21086@gmail.com	9998003767
134	Mr. Prajapati Nimesh Rajanikantbhai	Dharmsinh Desai University	nrprajapati.mh@ddu.ac.in	8128392210
135	Mr. Pranav Rasikbhai Parikh	Dharmsinh Desai University	pranavparikh.mech@ddu.ac.in	9824006579
136	Mr. Pranav Rohitbhai Mehta	Dharmsinh desai university	pranavmehta.mech@ddu.ac.in	9825628418
137	Mr. Praveen	Nehru Institute Of Engineering And Technology, Coimbatore	praveencpmech@gmail.com	6282123750
138	Mr. Praveenkumar	Alpha College of engineering and technology	praveenmec91@gmail.com	6383492520
139	Mr. Pravinkumar N. Tank	Dharmsinh Desai University	pntank.mech@ddu.ac.in	9374201134
140	Mr. Pritesh Ratilal Patel	Babaria Institute of Technology	pritesh1975@rediffmail.com	9998957049
141	Mr. Purohit Malav Jitendrakumar	Dharmsinh Desai University	mjpgurohit.mech@ddu.ac.in	7043918943
142	Mr. R.Siva	sathyabama institute of science and technology	rsivapsg@gmail.com	9944666660
143	Mr. Raja Shekhar P	MRITS	prajashekhar3@gmail.com	9703311310
144	Mr. Rajashekhar	Surya tutorial	rajashekhar091@gmail.com	9611316409
145	Mr. Rajesh Muljibhai Joshi	Faculty of Technology, Dharmsinh Desai University	rmjoshi.mech@ddu.ac.in	9426047274
146	Mr. Robert Mohan Kumar	BVC Engineering College Odalarevu Autonomous	rmkumar.bvce@bvcgroup.in	9381257979



**ATAL FDP on  
Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma**

147	Mr. Rishabh Chaturvedi	GLA University	chaturvedi.rishabh1995@gmail.com	7983152709
148	Mr. S.Gokulakannan	Muthayammal Engineering College	gokulakannans3@gmail.com	8973953476
149	Mr. S.Krishnamoorthy	Sri Krishna college of Engineering and Technology	krishnamoorthys@skcet.ac.in	9884082781
150	Mr. S.Suresh Kumar	N.P.R College of Engineering and Technology	suresha0702@gmail.com	9952863482
151	Mr. S.Varunraj	VELS Institute of Science, Technology and Advance Studies	varunraj.se@velsuniv.ac.in	7358420975
152	Mr. Sachidanand Chaturvedi	Buddha Institute Of Technology Gida Gorakhpur	placement@bit.ac.in	8858256282
153	Mr. Sachin Bhati	Jodhpur Institute Of Engineering And Technology Jodhpur	bhatisachi@gmail.com	7231952384
154	Mr. Sachin kumar gupta	Roorkee college of technology	mefac8@rceroorkee.in	9084077074
155	Mr. Saravanakumar C	Mount Zion College Of Engineering And Technology, Pudukkottai	saravanakumar1687@mountzion.ac.in	8825498135
156	Mr. Saravanan V S	TSSM's Bhivarabai Sawant College of Engineering and research, Pune	saravananvs2008@gmail.com	8087950846
157	Mr. Sargunan A	Seshasayee Institute Of Technology	asargunan@gmail.com	8072993875
158	Mr. Sarvesh Shivanand Rane	Shree Rayeshwar Institute of Engineering & Information Technology	sarveshrane16@gmail.com	9019702803
159	Mr. Shankha Ghosh	Dr. Sudhir Chandra Sur Degree Engineering College	shankha.ghosh@dsec.ac.in	9903940677
160	Dr. N.Senthil prabhu	Intelligence quality	prabhulean14@gmail.com	9952507080
161	Mr. Shobhit Agarwal	FIT Engineering College	agarwalshobhit0624@gmail.com	7417989713
162	Mr. Shyama Prasad Swain	SOA University	shyamaprasad1942@gmail.com	9438465595
163	Mr. Sisangiya Raj Maheshbhai	Government Engineering College Valsad	rajms1298@gmail.com	8155098069
164	Mr. Sugumar S	Dhanalakshmi Srinivasan Engineering College-perambalur	s.sugumech@yahoo.com	9943281008
165	Mr. Sumant Mandar Mukundrav	Babaria Institute Of Technology	mmmm.four@gmail.com	9427603531
166	Mr. Sunil K K	SCMS College of Polytechnics,	sunilkk@scmsgroup.org	9846640678
167	Mr. Sunit Kumar	Directorate Of Education Delhi	dostsunit@yahoo.com	9873469217
168	Mr. Swapna Babu Budala	Sri Vasavi Engineering College	bswapnababu@gmail.com	8801514819
169	Mr. T. Dhamothara Kannan	Annamalai University	tdhamotharakannan96@gmail.com	9952825842
170	Mr. T.Ananth Narayan	Avanthi PG College	ananth123p@gmail.com	7032335519
171	Mr. Tanmoy Kundu	Dr. Sudhir Chandra Sur Degree Engineering College	tanmay.kundu@dsec.ac.in	8777747147
172	Mr. Tanwar Gajendrasingh Nareshpalsingh	Gec Valsad	g.s.tanwar1992@gmail.com	9429196309

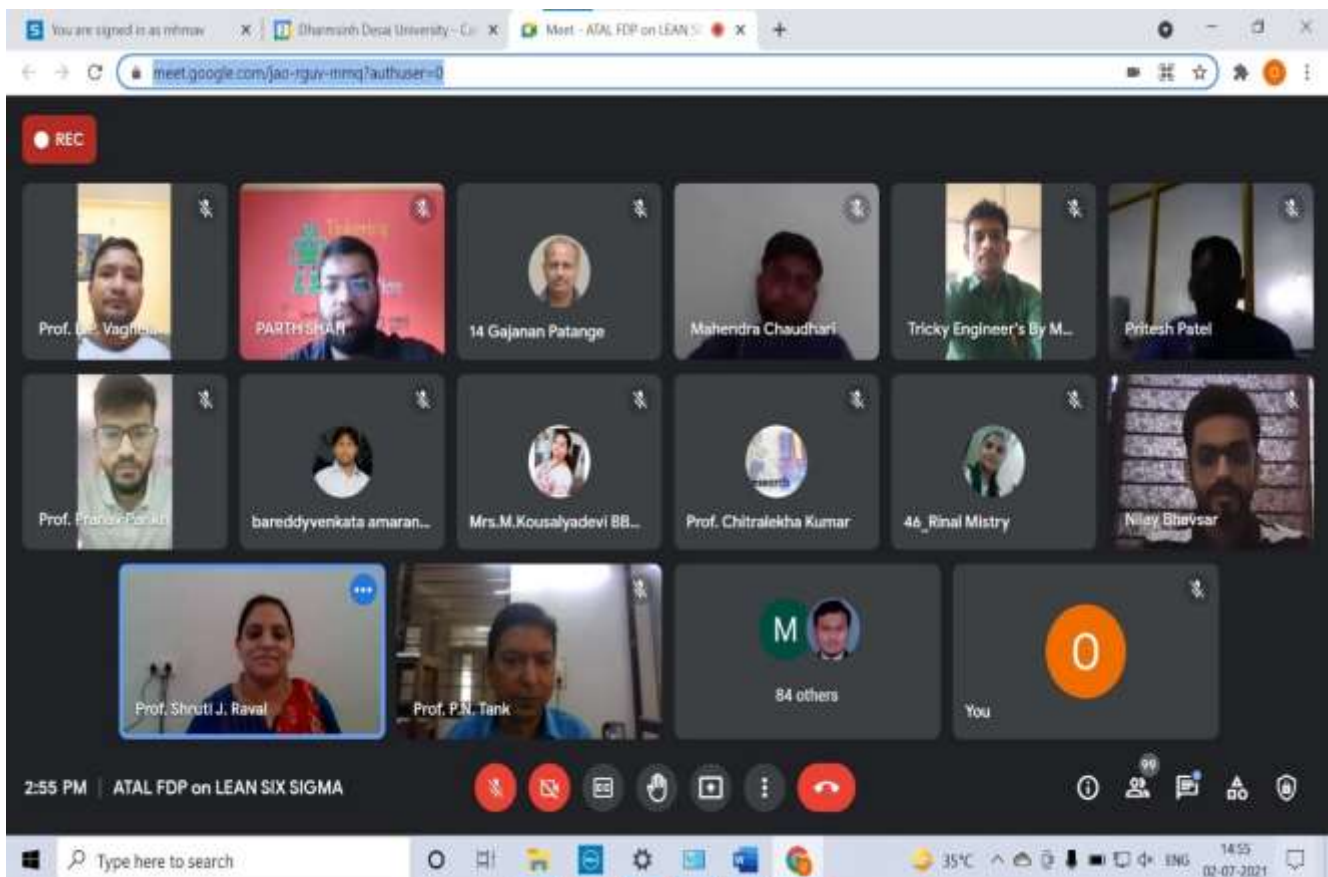
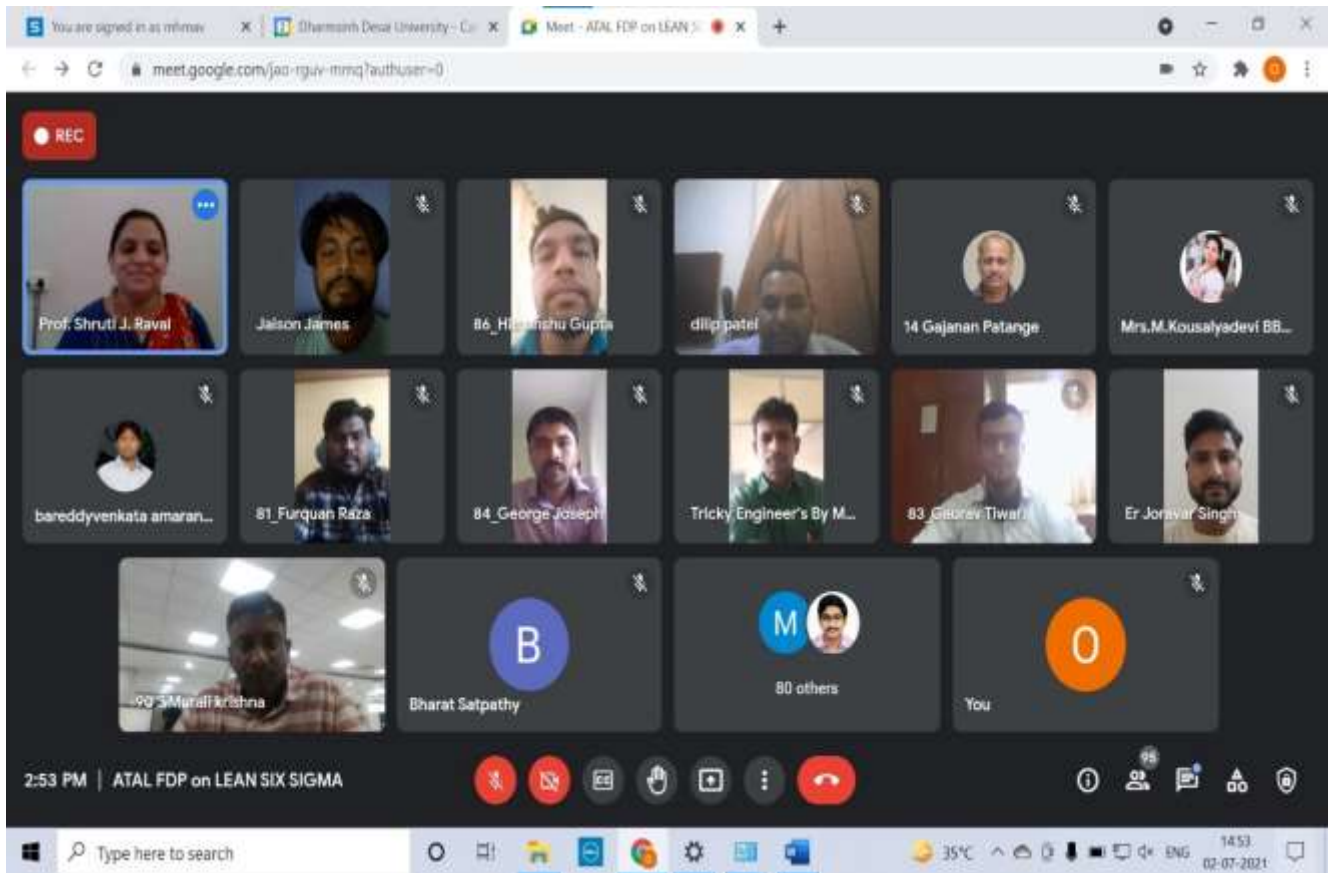
**ATAL FDP on  
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173	Mr. Timmappa Hosakoti	Motichand Lengade Bharatesh Polytechnic Belagavi	timmappahosakoti8861@gmail.com	8861975240
174	Mr. Tosif Mandha	Nirma Ltd. - Saurashtra Chemicals, Porbandar	mandhatosif@gmail.com	9409207973
175	Mr. V.C.Thilak Rajkumar	Jansons institute of technology	rajkumarthilak@gmail.com	9944312128
176	Mr. Vijay Mohan shetty	JNTUH college of Engineering Jagtial	Vijaymohan66@gmail.com	8125890252
177	Mr. Vinothkumar.K	SRM Institute Of Science And Technology Ramapuram	vinothkk@srmist.edu.in	9600625878
178	Mr. Vishal Sharma	Rajdhani Engineering College	vishalssharma1712@gmail.com	7976298940
179	Mrs. Alka Sharma	Akhilesh Das Gupta Inst of Tech & Mgmt	sharma.alka1001@gmail.com	9971070719
180	Mrs. Banoth sharadha	Malla Reddy Institute of Technology and Science	b.sharadha4@gmail.com	9515112955
181	Mrs. Bindhu A S	Jss science and technology university, mysuru	bindhupatel@jssstuniv.in	9742825161
182	Mrs. Charu Sharma	Kendriya Vidyalaya	gshubhang72@gmail.com	9717776541
183	Mrs. Chitralekha Kumar	Prin. L. N. Welingkar Institute of management Development and Research	chitralekha.kumar@welingkar.org	8291142810
184	Mrs. Dipa patel	Amul	dipabpatel@amuldairy.com	8866761251
185	Mrs. G S Aiswariya Thankachi	University college of engineering	gsaiswariya@gmail.com	8547958102
186	Mrs. Geetanjali Mohanty	Ideal School of Engineering, Bhubaneswar	seema070784@gmail.com	9853029389
187	Mrs. Gunavathie M A	Panimalar Engineering College	gunavathie.ap@gmail.com	9597394192
188	Mrs. Heta Shashank Shah	Dharmsinh Desai University	hetashah.ic@ddu.ac.in	9426422835
189	Mrs. K A Swathi	J N Government Polytechnic Ramanthapur	swathi.apuri2016@gmail.com	9985880580
190	Mrs. M.Lalitha	ACE Engineering College Ghatkesar, Telangana	mlalitha.ace@gmail.com	7032756978
191	Mrs. Naroju Sravanthi	Mallareddy Engineering College For Women	naroju.sravanthi1@gmail.com	7989650247
192	Mrs. Nithya N	Jansons Institute of Technology	nithya.n@jit.ac.in	9894680022
193	Mrs. P.Kavitha	Jansons Institute Of Technology	kavitha.p@jit.ac.in	9677737797
194	Mrs. Pragya	Galgotia College Of Engineering And Technology, Greater Noida	pragya@galgotiacollege.edu	9582933344
195	Mrs. R Sabari Banu	Kuppam Engineering College	sabaribanukec@gmail.com	9908661807
196	Mrs. Shweta Gaur	Dharmsinh Desai University	shweta.ddit@gmail.com	9427428343
197	Mrs. Shweta Jain	Amity University Haryana	sjain@ggn.amity.edu	9891212059
198	Mrs. Suguna P	Saveetha College of Allied Health Sciences	sugunaprabha31@gmail.com	9488705374
199	Patel Sarth Kamleshbhai	Bhavani Engineering	sarthpatel7@gmail.com	7622826832
200	Sachin Akoji Meshram	G H Rasoni University Amravati	sachin.meshram@ghru.edu.in	7610757054



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The screenshots of the participants taken on the closing are:-



## ATAL FDP on Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma


Some of the feedback received for the workshop are as below

The screenshot displays a Zoom meeting interface. At the top left, a red 'REC' button indicates recording is on. The main area shows a grid of participant tiles. The first tile (top left) is a large video of '17\_ Dr. L. D. Patel'. Other tiles show profile pictures and names: '14 Gajanan Patange', 'Mrs.M.Kousalyadevi BBA CA', '81\_ Furquan Raza', '2\_Dr Ajitkumar N Shukla', 'Bharat Satpathy' (with a blue 'B' icon), '86\_Himanshu Gupta', and '63 others' (with an 'OT' icon). A 'You' tile is at the bottom right. On the right side, an 'In-call messages' panel is open, showing a list of messages from participants like '171\_Tanmoy Kundu' and '115- Md Sufiyan Jawaid', along with messages from 'Online Class' and 'Sapna Sharma'. At the bottom, a status bar shows '2:36 PM | ATAL FDP on LEAN SIX SIGMA' and a row of icons for mute, video, chat, etc. The bottom right corner of the Zoom window shows icons for help, participants (71), chat, and a grid view icon.




## ATAL FDP on Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma


REC




17\_ Dr. L. D. Patel




14 Gajanan Patange




Mrs. M. Kousalyadevi BBA CA




Online Class




2\_ Dr. Ajitkumar N Shukla




Bharat Satpathy



61\_ Abhishek Mishra



84 others



You

In-call messages

good and through this FDP personally I have learnt lot of things.. Thank you very much for conducting this type of FDP.

108\_Modekurti Prem Kumar 2:41 PM  
It was a good experience thank you organizers








24\_PRAKASH S DABEER 2:41 PM  
An excellent learning of lean six sigma with practical approach and help us to use Minitab also. Thanks to all organizer



Online Class 2:42 PM  
Thank you Prakash Dabeer sir

Prof. P.N. Tank 2:43 PM  
The program was really very informative, the reservoir of knowledge and delivered in digestive manner... Thank to the coordinator, Department and University for conducting such a nice and versatile program.



Send a message to everyone

2:43 PM | ATAL FDP on LEAN SIX SIGMA





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**ATAL FDP on  
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It was a great Initiative by ATAL Academy. I am thankful to AICTE for giving me this opportunity to conduct online FDP for faculty members of technical institute of India free of cost. I got huge response for registration as well as lots of compliment of arranging the online workshop, content and hands on.




## DIGITAL DENTISTRY : A REAL GAME CHANGER

Dr Anshul Mel is practicing as a consulting Prosthodontist since 2014. He has passed his B.D.S in 2010 and M.D.S Prosthodontia in 2014 through Rajiv Gandhi University. He is the founder of Dr Mel Digital Dental Laboratory in Surat since 2015. He is official EXOCAD TRAINER, KOL for Ruthenium group, Bredent, Bioline implant. Dr. Mel is also member of world 3D printing in dental community.





Dharmsinh Desai University



Faculty of Dental Science, DDU, Nadiad


CDE WEBINAR

**"Digital Dentistry: A Real Game Changer"**



**MARCH 27**  
**2021**  
**11** AM

**Speaker**




**Dr Anshul Mel**  
(Consulting Prosthodontist &  
CEO Digital Dental  
Laboratory)


Dr Hiren Patel (Dean)  
Dr Hitesh Dewan (CDE Convenor)

Co-ordinators  
Dr Snehal Upadhyay & Dr Manan Shah

**About Speaker**

Dr Anshul Mel is practicing as a consulting Prosthodontist since 2014. He has passed his B.D.S. (KLE DENTAL COLLEGE) in 2010 & M.D.S. Prosthodontia (AME'S DENTAL COLLEGE) in 2014 through Rajeev Gandhi University. He is the founder of Dr Mel Digital Dental Laboratory in Surat since 2015. He is official EXOCAD TRAINER, KOL for Ruthenium Group, Bredent, Bioline implant. Dr Mel is also member of World 3D printing in dental community.







# DHARMSINH DESAI UNIVERSITY

## FACULTY OF DENTAL SCIENCE

College Road, Nadiad - 387001.

Ph: 0268- 2522994, 2520502, Fax: 0268-2527077, 2520501,

Website: [www.ddu.ac.in](http://www.ddu.ac.in) , Email: [vcddit@yahoo.co.in](mailto:vcddit@yahoo.co.in)

Faculty of dental Science Dharmsinh Desai University organized an Awareness program regarding Wealth Management in association with the Postal Life Insurance on 14<sup>th</sup> March 2020, Saturday in lecture hall no. 1. Everyone appreciated the held program and found it efficacious.







**DHARMSINH DESAI UNIVERSITY**

**FACULTY OF DENTAL SCIENCE**

(Recognized by the Dental Council of India, New Delhi)

College Road, Nadiad - 387001. Website: [www.ddu.ac.in](http://www.ddu.ac.in)

Mobile: 98247 27077 Ph: 0268- 2527077, 2522994, Email: [ddudental@gmail.com](mailto:ddudental@gmail.com)

Two-Day Workshop on Rotary Endodontics was held on 21<sup>st</sup> June 2021 and 22<sup>th</sup> June 2021 at Faculty of Dental Science, Dharmsinh Desai University. Dr. Kunjal Mistry was the mentor of this workshop and he enlighten the Importance of the use of rotary in Endodontics and educated the participants regarding the whole rotary system and its functioning aspects in the Lecture on Day-1 followed by demonstration and Hands-on on Day-2. All participants were awarded the appreciation for participation by Respected Dean sir Dr.Hiren Patel at the end of the session. The session was informative for all participants of Faculty of Dental Science, DDU, Nadiad.



## ROLE OF FORENSIC ODONTOLOGY IN CRIME DETECTION

Dr. Saumil P Merchant has passed out his mbbs from BJ medical college, Ahmedabad. He has pursued MD in forensic Medicine from NHL Medical college. LLB from N M Nanavati law college Ahmedabad. LLM in criminal from Siddharth law college Gandhinagar. PhD from Gujarat University in forensic Medicine, He was vice president in Ahmedabad Medical Association in 2015. At present he is joint secretary in Indian academy of forensic medicine. He is also member of Indian Medico – Legal and ethical association, Member of Ahmedabad Management Association.

The poster is for a CDE Webinar titled "ROLE OF FORENSIC ODONTOLOGY IN CRIME DETECTION". It is organized by the Faculty of Dental Science, DDU, Nadiad. The event is scheduled for April 24, 2021, at 11 AM. The speaker is Dr. Saumil P Merchant, Professor & Head of the Dept of Forensic Medicine & Toxicology, AMC MET Medical College Ahmedabad. The poster includes a photo of Dr. Merchant, a logo for Dharmsinh Desai University, and a crime scene image with a "CRIME SCENE DO NOT CROSS" tape. Social media icons for Facebook and Google Meet are also present.

**Faculty of Dental Science, DDU, Nadiad**  
CDE WEBINAR  
**"ROLE OF FORENSIC ODONTOLOGY IN CRIME DETECTION"**

**APRIL 24 2021 11 AM**

**Speaker**

**Dr. SAUMIL P MERCHANT**  
(Professor & Head  
Dept of Forensic Medicine &  
Toxicology, AMC MET Medical  
College Ahmedabad)  
Dr Hiren Patel (Dean)  
Dr Hitesh Dewan (CDE Convenor)  
Co-ordinator: Dr Kevin Parikh

**About Speaker**

Dr Saumil P Merchant has passed out his MBBS from BJ Medical college, Ahmedabad. He has pursued MD in Forensic Medicine from NHL Medical college. LLB from N M Nanavati Law College Ahmedabad. LLM in Criminal from Siddharth Law College Gandhinagar. PhD from Gujarat University in Forensic Medicine He was Vice President in Ahmedabad Medical Association (AMA) in 2015. At present he is Joint Secretary (West Zone) in Indian Academy of Forensic Medicine (IAFM). He is also Member of Indian Medico-Legal and Ethical Association, Member of Ahmedabad Management Association (AMA)

Made with PosterMyWall.com LIVE Google Meet





Dharmsinh Desai University  
College Road, Nadiad  
www.ddu.ac.in



## **A Report on SSIP and SOIC Awareness Seminar**

Date: 15/07/2021

**Faculty of Pharmacy**

Organizing Department: Faculty of Pharmacy, DDU

Date of Seminar: 15/07/2021

Time Duration of Seminar: 3 hrs

Venue (Online / Offline) : Online

No. of Students (Attended the Programme): 109

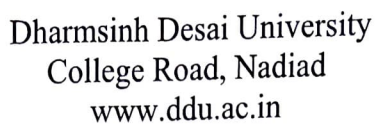
Semester Number of Students : 3, 5, 7

Course Details of Students : B. Pharm and M. Pharm

Name of Speaker (with Dept. Details) : Dr. Tejas B Patel, Assistant Professor, Faculty of Pharmacy, DDU

Photographs:

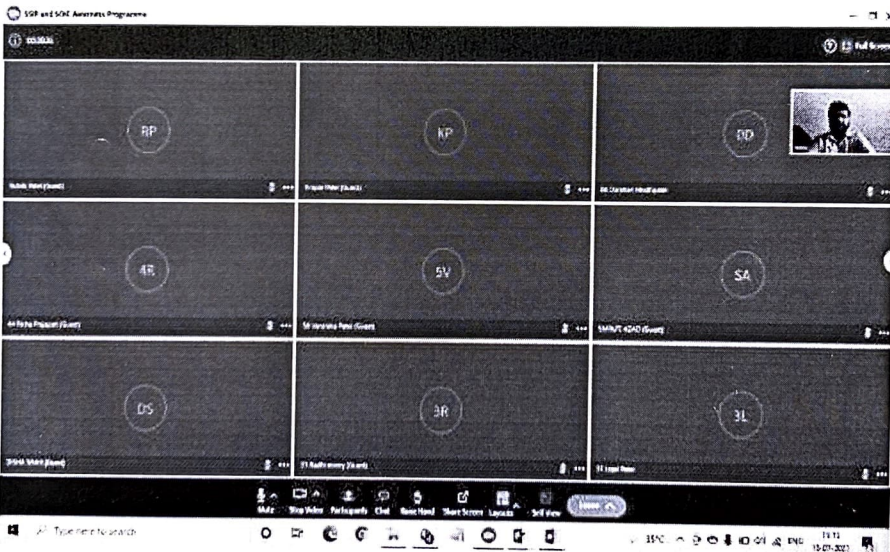
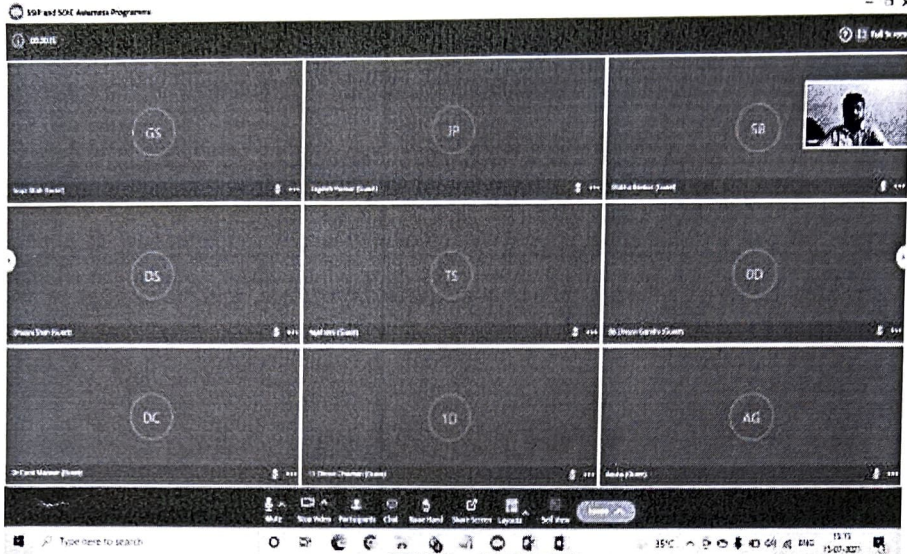








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## **National Webinar Report/01/07-08-2021/ Dr. Sujit**

**Topic:** Dry Powder Inhalation Containing Drug-loaded Nanoparticles: An Emerging Trend to Combat Pulmonary Tuberculosis

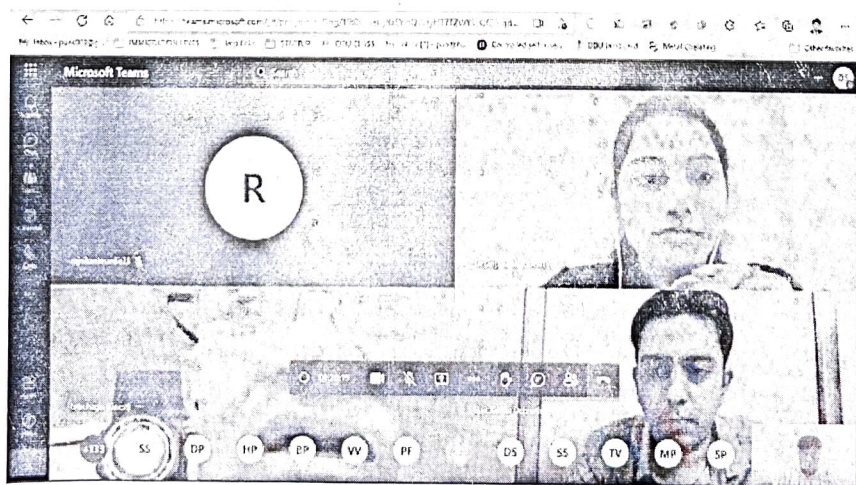
**Resource Person:** Dr. Sujit Kumar Debnath, Postdoctoral Fellow, Department of Biosciences and Bioengineering, Indian Institute of Technology, Bombay, Mumbai (India)

**Date:** 07 August 2021

A National webinar was organized on 7<sup>th</sup> August 2021 (Saturday) at the Faculty of Pharmacy, Dharmsinh Desai University, Nadiad (Gujarat). The speaker of this webinar was Dr. Sujit Kumar Debnath, Postdoctoral Fellow, IIT Bombay, Mumbai (India). The topic of the national webinar was "Dry Powder Inhalation Containing Drug-loaded Nanoparticles: An Emerging Trend to Combat Pulmonary Tuberculosis". Total 173 participants including students and faculties from the Faculty of Pharmacy, DDU and other reputed institutes have attended this webinar.

Various aspects of the development of drug nanoparticles for pulmonary tuberculosis have been discussed thoroughly. There was a healthy discussion between the speaker and faculty members regarding different aspects of formulation and development.

### **GLIMPSE OF THE NATIONAL WEBINAR**



**FACULTY OF PHARMACY, DHARMSINH DESAI  
UNIVERSITY, NADIAD.**



The screenshot shows a Microsoft Teams meeting interface. The top bar displays the meeting URL and participants. The main window shows a presentation slide titled "METHODOLOGY". The slide is divided into two main sections: "Preformulation studies" and "Drug formulation studies".

**Preformulation studies:**

- FTIR:** Represented by an image of a tablet and a diagram of a drug molecule.
- DSC:** Represented by an image of a DSC instrument.
- Stability study:** Represented by an image of a stability chamber.

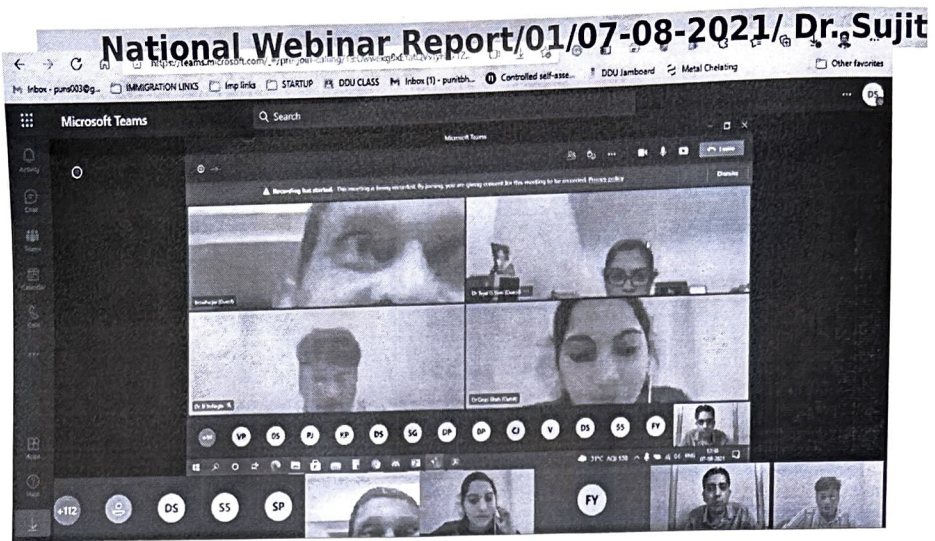
**Drug formulation studies:**

- Zeta Size:** Represented by an image of a zeta sizer.
- Freeze drier:** Represented by an image of a freeze-drier.
- Centrifuge:** Represented by an image of a centrifuge.
- HPLC:** Represented by an image of an HPLC system.

The methodology flow is as follows:

- Drug and Chitosan solutions are combined in a **Mixing container**.
- The mixture undergoes **Sonication 5 min**.
- The mixture is then **Centrifuge with high speed to separate particles** at **18000 rpm**.
- The final product is analyzed using **HPLC**.







**DHARMSINH DESAI UNIVERSITY**  
**DEPARTMENT OF MCA**  
**Workshop on Objective Based Education**  
**Report**

Duration: 25.11.2022 to 27.11.2021 (3 days)

Resource Person: Dr. Narayan Joshi, Head, Department of MCA, DDU.

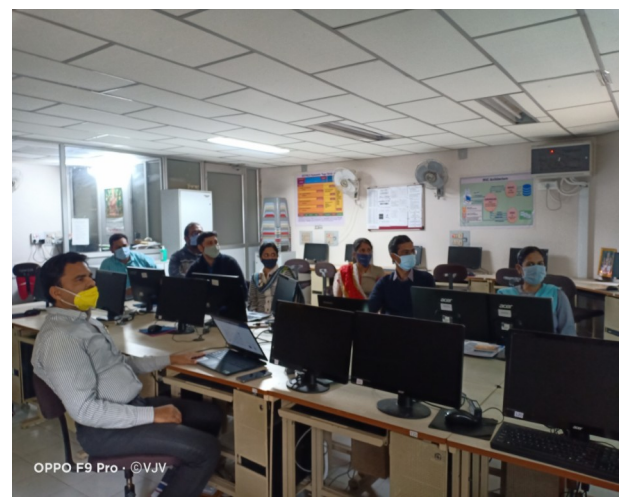
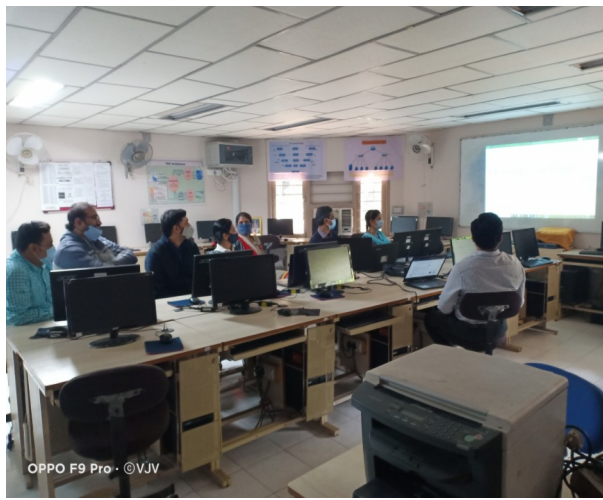
Following Members were present during the workshop:

**Sr.No. Name**

1. Dr. Narayan Joshi
2. Dr. Ajay Roy
3. Dr. Vivek Vyas
4. Prof. Minal Shah
5. Prof. Purvi Jardos
6. Prof. Hetal Patel
7. Prof. Utsav Patel
8. Prof. Himanshu Purohit

Following items were discussed during three days workshop,

1. Discussion on Objective Based Education (OBE)
2. Based on Graduate Attributes defined Program Educational Outcomes (PEO) and Program Outcomes (PO)
3. Program Educational Outcomes (PEO)
4. Program Outcomes (PO)
5. Proposed modification in following PEO and PO found appropriate
6. Bloom's Taxonomy & Learning Outcomes
7. Bloom's Taxonomy for designing Course Outcomes
8. Designed Course Outcomes for Semester 1 Subjects
9. Designed Course Outcomes for Semester 2 Subjects



During the workshop all faculty members had jointly designed and reviewed Course Outcomes of all subjects and MCA Semester 1 & MCA Semester 2. They had also carried out mapping of Syllabus content to COs, CO to PO and PSO, PEO to Mission.



## Webinar on “Research, Innovation, and Ranking “A MIC driven Activity

### Programme Report

**No of participants:** 152 (16 faculty and 136 Students)

**Date:** 11/08/2021

**Time:** 10:30 AM – 01:30 PM

**Mode of Activity:** Online via YouTube

#### **Where to Watch:**

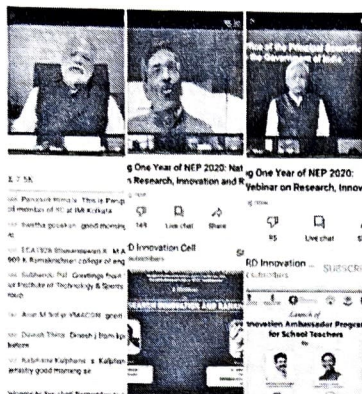
at YouTube Channel of MIC <https://www.youtube.com/MHRDIInnovationCell>

Alternate Direct Link: <https://youtu.be/6niixmNnRuk>

A MIC driven activity, webinar on “Research, Innovation, and Ranking “was organized by MIC. Welcome address of the webinar was given by Shri Rakesh Ranjan, Additional Secretary(TE) and Opening comments was given by Shri Amit Khare, Secretary, HE. The panel discussion on Ensuring Excellence and Relevance in Research was conducted, which was moderated by Prof. Rajat Moona, Director, IIT, Bhilai. Panellist for the discussion was Dr. K. Radhakrishnan, Former Secretary (Space), Prof. Govindan Rangarajan, Director, IISc, Bangalore and Dr. Umesh Shaligram, Director (R&D), Serum Institute of India. A panel discussion on Building Innovation & Entrepreneurial Ecosystem was discussed by Mr. Deepak Bagla, MD & CEO, Invest India, II:Dr. Anita Gupta, Scientist -G /Adviser and Head-INSTEDB (National Science & Technology Entrepreneurship Development Board), Department of Science and Technology, Govt of India and Mr. Yashraj Bharadwaj, Cofounder and CEO, Zenith Vipers and Ideax Solutions. Strategy for HEIs for excelling in Global Rankings was successfully discussed by Prof. V. Ramgopal Rao, Director, IIT, Delhi, Ashwin Fernandes, Regional Director, QS and Prof. C. Raj Kumar, VC, O. P. Jindal Global University.



24



COSMIC WONDER

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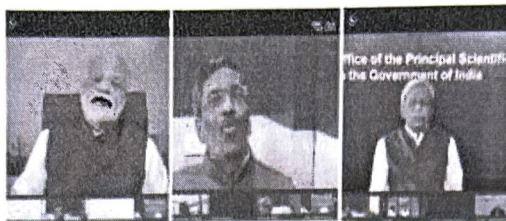
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24



17.5K

**g One Year of NEP 2020: Nat  
n Research, Innovation and R**  
**g One Year of NEP 2020:  
Webinar on Research, Innov**

163 Live chat Share 95 Live chat

100 ECA1826 Bhuvaneshwar K. M.A. 909 K Ramakrishnan college of eng  
101 Swetha gokulani good morning  
At  
102 Dinesh Thina Dinesh Thina from kps labore  
103 Kalphana Kalphana Kalphana emistry good morning sir  
Welcome to live chat! Remember to p

**D Innovation Cell**  
SUBSCRIBERS

**RD Innovation ...**  
SUBSCRIBERS

**SEARCH INNOVATION AND RAMAKRISHNAN**

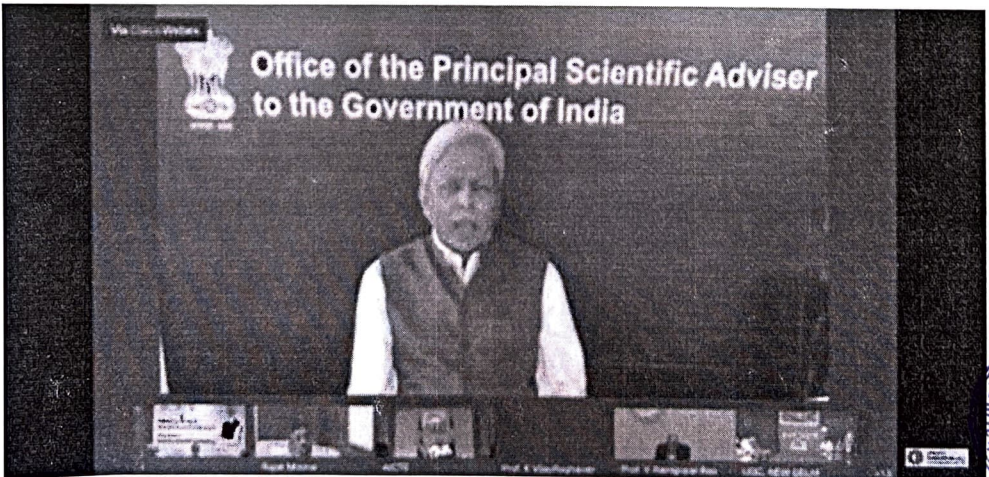
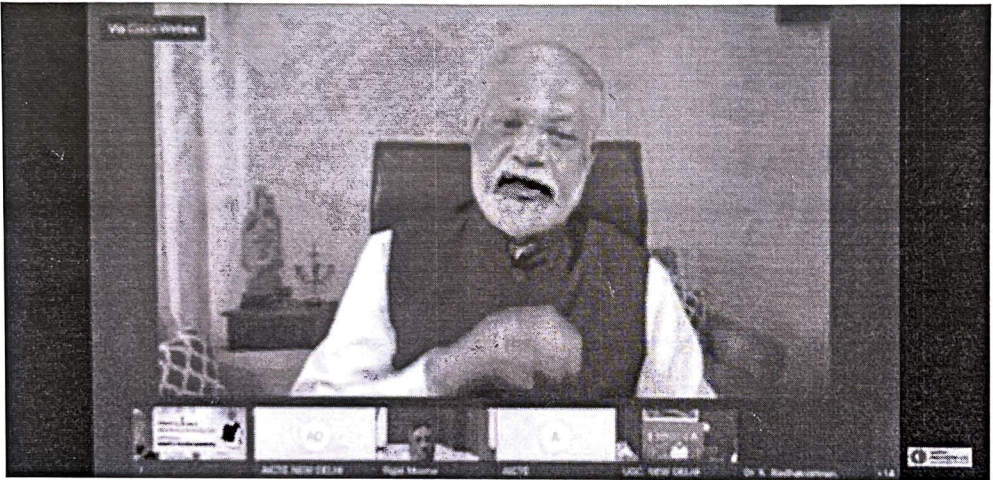
**Council of Innovation Ambassador Program for School Teachers**

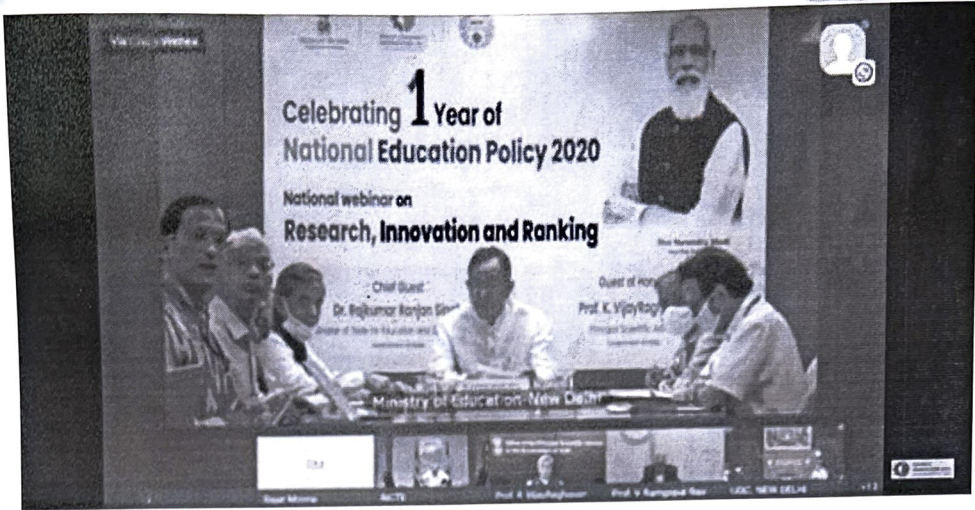
COSMIC WONDER

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FILMCAMLAB 400











Ref: DDU/EC/GUJCOST/ 02 /2021-22

01/12/2021

To,  
The Advisor,  
Gujarat Council of Science & Technology,  
Gandhinagar.

Subject: Documents of STTP "*Research Perspective in Artificial Intelligence*"

Dear Sir,

With reference to above subject, please find herewith the attached required documents for the above sanctioned STTP under the sanction letter No. **GUJCOST/ Sem-Symp 3405(1)/2021-22/1401**, Dated: 26/07/2021 and **GUJCOST/ Sem-Symp 3405/2021-22/1695**, Dated: 23/08/2021. Kindly release the grant of **Rs. 30000** for account settlement at our end.

Dr. Yogesh Meghrajani  
Coordinator

Prof. Pinkesh Patel  
Coordinator





**GUJARAT COUNCIL ON SCIENCE & TECHNOLOGY**  
**Dept of Science and Technology, Govt of Gujarat**

1. Title of the Programme: *Research Perspective in Artificial Intelligence*

2. Category: Short Term Training Program (STTP)

3. Date/s and Duration: 25/10/2021 to 29/10/2021 and 5 days

4. Venue: Online Mode.

Google Meet Link: <https://meet.google.com/qap-kdiq-oqu>

5. Dignitary/s present at inaugural function:

(I)

(i) Name: Prof. K. N. Sheth

(ii) Designation: Dean, Faculty of Technology

(iii) Name of institute: Faculty of Technology, Dharmsinh Desai University

(iv) Contact details: deantechno@ddu.ac.in

(II)

(i) Name: Dr. Purvang Dalal

(ii) Designation: Professor and Head, EC Department

(iii) Name of institute: Faculty of Technology, Dharmsinh Desai University

(iv) Contact details: pur\_dalal@ddu.ac.in

(III)

(i) Name: Dr. H. S. Mazumdar

(ii) Designation: Professor (EC) and Head, R&D Center

(iii) Name of institute: Dharmsinh Desai University

(iv) Contact details: hsmazumdar@ddu.ac.in

6. Invited speaker / Expert:

(1)

(i) Name: Dr. H. S. Mazumdar

(ii) Designation: Professor (EC) and Head, R&D Center

(iii) Name of institute: Dharmsinh Desai University

(iv) Contact details: hsmazumdar@ddu.ac.in

(v) Topic of lecture: Advancement in Artificial Neural Network



- (2) (i) Name: Dr. Chirag Patel  
(ii) Designation: Associate Professor  
(iii) Name of institute: DEPSTAR, CHARUSAT University, Changa  
(iv) Contact details: chiragpatel.dce@charusat.ac.in  
(v) Topic of lecture: Introduction to Artificial Intelligence
- (3) (i) Name: Dr. Ashish Phophalia,  
(ii) Designation: Assistant Professor  
(iii) Name of institute: IIIT, Vadodara  
(iv) Contact details: ashish\_p@iiitvadodara.ac.in  
(v) Topic of lecture: Advancement in Deep Random Forest Algorithm
- (4) (i) Name: Dr. Jignesh Bhatt,  
(ii) Designation: Assistant Professor  
(iii) Name of institute: IIIT, Vadodara  
(iv) Contact details: jignesh.bhatt@iiitvadodara.ac.in  
(v) Topic of lecture: Thrust Research Area in Supervised Learning
- (5) (i) Name: Mr. Jignesh Vasoya,  
(ii) Designation: Research Lead  
(iii) Name of Industry: Magna Automotive Pvt. Ltd., Pune  
(iv) Contact details: vasoyajignesh7@gmail.com  
(v) Topic of lecture: Recent Trend in Real Time Object Detection
- (6) (i) Name: Dr. Pratik Shah,  
(ii) Designation: Assistant Professor  
(iii) Name of institute: IIIT, Vadodara  
(iv) Contact details: pratik@iiitvadodara.ac.in  
(v) Topic of lecture: Research Progress in Reinforcement Learning
- (7) (i) Name: Dr. Sandeep Raghuwanshi,  
(ii) Designation: Assistant Professor  
(iii) Name of institute: Samrat Ashok Technological Institute, Vidisha  
(iv) Contact details: sraghuwanshi@gmail.com  
(v) Topic of lecture: Fundamental of Semi-Supervised Learning & it's Recent Development
- (8) (i) Name: Dr. Anand Mankodia,  
(ii) Designation: Associate Professor  
(iii) Name of institute: U. V. Patel College of Engineering, Ganpat University.  
(iv) Contact details: anand.mankodia@ganpatuniversity.ac.in  
(v) Topic of lecture: Different Approaches for Abnormal Activity Recognition





- (9) (i) Name: Mr. Pranay Soni,  
(ii) Designation: R&D Lead  
(iii) Name of Industry: Span Inspection System Pvt. Ltd., Gandhinagar  
(iv) Contact details:prnysoni@gmail.com  
(v) Topic of lecture: Manufacturing Product Inspection using Machine Vision
- (10) (i) Name: Mr. Jignesh Vasoya,  
(ii) Designation: Research Lead  
(iii) Name of Industry: Magna Automotive Pvt. Ltd., Pune  
(iv) Contact details:vasoyajignesh7@gmail.com  
(v) Topic of lecture: An Efficient Approach for Semantic Segmentation
- (11) (i) Name: Dr. Arvind Yadav,  
(ii) Designation: Dean  
(iii) Name of institute: Faculty of Engineering (Parul University)  
(iv) Contact details:arvind.yadav@paruluniversity.ac.in  
(v) Topic of lecture: Structural Health Monitoring using ML & DL
- (12) (i) Name: Dr. Jignesh Bhatt,  
(ii) Designation: Assistant Professor  
(iii) Name of institute: IIIT, Vadodara  
(iv) Contact details:jignesh.bhatt@iiitvadodara.ac.in  
(v) Topic of lecture: Advanced Research in Unsupervised Learning
- (13) (i) Name: Dr. Priyank Thakkar,  
(ii) Designation: Associate Professor  
(iii) Name of institute: Nirma University  
(iv) Contact details:priyank.thakkar@nirmauni.ac.in  
(v) Topic of lecture: Convolution Neural Network and its Application
- (14) (i) Name: Dr. Raju Pal,  
(ii) Designation: Assistant Professor (Senior Grade)  
(iii) Name of institute: Jaypee Institute Information Technology, Noida  
(iv) Contact details:raju.pal@jiit.ac.in  
(v) Topic of lecture: Unsupervised Data Classification Algorithms

7. Total no. of participants (provide full list with name, address, institutions and contact numbers): 203 participants registered (Details are attached in annexure-II)





8. Program summary (200 words):

The mentioned program was organized during 25<sup>th</sup> to 29<sup>th</sup> October 2021. The faculty members of the AICTE approved institutions, Research / PG Scholars, Industry participants, UG / PG Students and staff of host institution have participated in the STTP. The program was sponsored by GUJCOST, DST (Govt. of Gujarat). The program had 14 expert talks. In the Inauguration function Prof. K. N. Sheth (Dean, Faculty of Technology), Dr. Purvang Dalal (Head, EC Department), and Dr. H. S. Mazumdar (Head, R & D) were remained present.

Research in Artificial Intelligence (AI) has evolved to perform different tasks that were earlier considered as the prerogative of human beings. Research in AI is presently a broad thrust area and people often equate it with Machine Learning and Deep Learning. AI is a thriving field with many practical applications and active research topics like object recognition, speech, language translation, and controlling self-driving cars. Artificial intelligence refers to the simulation of human intelligence in machines that are programmed to think like humans and mimic their actions. The term may also be applied to any machine that exhibits traits associated with a human mind such as learning and problem-solving. The goals of artificial intelligence include learning, reasoning, and perception.

The main objective of the STTP is:

- To provide foundation concepts, research trends, and advancements in the field of AI.
- To provide a common platform for academicians, research scholars and industry participants to develop research knowledge in AI field.

Technical brochure / leaflet (attached): Yes

9. Finale Statement of Income and Expenditure:

Income		Expenditure	
Grant sanctioned from GUJCOST	30000	Expenditure (bills)	4000
		Expenditure (Vouchers)	26000
Total	30000	Total	30,000

10. Utilization Certificate with signature and Seal of the Head of the institute:  
Attached

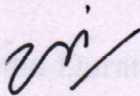






11. Copy of vouchers duly signed by the coordinator: Attached


12. Photograph (4 to 5): Attached

13. Press Release / Media Report, if any: Not given

  
Dr. Yogesh Meghrajani,  
Coordinator

  
Prof. Pinkesh Patel,  
Coordinator

  
Dr. Purvang Dalal  
Head, EC Department

  
Prof. K. N. Sheth  
Dean, FoT





# UTILIZATION CERTIFICATE (Year 2021-2022)

For the financial year (1<sup>st</sup> April to 31<sup>st</sup> March in every financial year)

1.	Title of the Project / Scheme	:	One Week Short Term Training Program (STTP) on, "Research Perspective in Artificial Intelligence"
2.	Name of the Institute	:	Faculty of Technology, Dharmsinh Desai University, Nadiad
3.	Principal Investigator	:	Prof. K. N. Sheth, Dean, Faculty of Technology
4.	<b>GUJCOST</b> Sanction Order No & Date of sanctioning the project	:	(I) GUJCOST/ Sem-Symp 3405(1)/2021-22/1401, Dated: 26/07/2021 Revised: (II) GUJCOST/ Sem-Symp 3405/2021-22/1695, Dated: 23/08/2021
5.	Amount brought forward from the previous financial year. <b>GUJCOST</b> letter no and date on which the authority to carry forward the said amount was given.	:	NA
6.	Amount received from <b>GUJCOST</b> during the Financial year (sanction order No. & date as per Sr No. 4 )	:	Rs. 30,000/- (Sanctioned)
7.	Total amount that was available for expenditure incurred during the financial year (Sr. 5+6)	:	Rs. 30,000/- (Sanctioned)
8.	Actual Expenditure Incurred during the financial year (up to 31 <sup>st</sup> March)	:	Rs. 30,000/-
9.	Balance amount available at the end of a financial year (upto 31 <sup>st</sup> March) (Sr. 7 - 8)	:	NIL
10.	Unspent balance refunded, if any (please give details of chq no. & Chq Dt., with Forwarding letter no. & Ltr dt. )	:	NIL
11.	Amount allowed to be carried forward to the next financial year (if applicable)	:	NA

Certified that the expenditure of **Rs. 30,000/- (Rupees Thirty Thousand only)** mentioned against column 8 was actually incurred for STTP on "Research Perspective in Artificial Intelligence" for the purpose for which it was sanctioned.

Place: Nadiad

Date: 22/11/2021

Dr. Yogesh Meghrajani,  
Coordinator

Shri. Navinbhai Patel  
Accountant



Prof. Pinkesh Patel,  
Coordinator

Prof. K. N. Sheth  
Dean, FoT

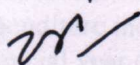



## UTILIZATION CERTIFICATE

Certify that out of Rs.30,000/- of grant sanctioned during the year 2021-22 in favour of Dharmsinh Desai University for the purpose of One Week Short Term Training Program (STTP) on, "Research Perspective in Artificial Intelligence" under the GUJCOST Letter GUJCOST/ Sem-Symp 3405(1)/2021-22/1401, Dated: 26/07/2021, and revised letter: GUJCOST/ Sem-Symp 3405/2021-22/1695, Dated: 23/08/2021 a sum of Rs. 30,000/- has been utilized for the purpose of which it was sanctioned and that the balance of Rs. 0/- remaining unutilized is returned back herewith to GUJCOST by DD/Cheque no. Not Applicable.


Certified that the grant has been utilized as per the laid down terms and conditions of the sanction order.

Date: 22/11/2021

  
Dr. Yogesh Meghrajani,  
Coordinator

  
Prof. Pinkesh Patel,  
Coordinator

Signature of Head of Institution / Organization With Seal

  
Prof. K. N. Sheth  
Dean, Faculty of Technology  
Dharmsinh Desai University, Nadiad





To,  
The Vice Chancellor,  
D. D. University.

Sub.: Expenditure statement of GUJCOST sponsored one week STTP

Respected Sir,

The expenditure statement for GUJCOST sponsored a week STTP on "Research Perspective in Artificial Intelligence" is as follows:

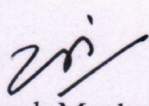
Date and Time : 25/10/2021 to 29/10/2021, 9.30 AM to 4.30 PM  
Number of participants : 203 participants registered  
Grant Sanctioned by GUJCOST : Rs. 30000


**Statement of Income & Expenditure;**

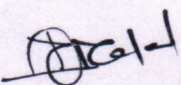
Sr. No.	Item	Amount (in Rs.)
1	Remuneration for experts	26000
2.	Video/photography, Audio-Visual arrangements, and Web-casting	2600
3.	Flex Banner, Certificate, Stationary, and Other consumable/miscellaneous items	1400
<b>Total</b>		<b>30000</b>


Registration Fees collected : No Registration Fee  
IOU amount : Rs. 30000  
Expenditure : Rs. 30000 (bill summary and vouchers are attached)

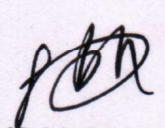
Kindly note that the total expenditure of **Rs. 30000/-** will be disbursed by GUJCOST upon submitting the utilization certificate.

  
Dr. Yogesh Meghrajani  
Coordinator

  
Prof. Pinkesh Patel  
Coordinator

  
Dr. Purvang Dalal  
Head, EC Department

  
Prof. K. N. Sheth  
Dean

  
Dr. H. M. Desai  
Vice Chancellor



To,  
The Vice Chancellor,  
D. D. University

Sub: Approval of budget for GUJCOST sponsored one week STTP on "Research Perspective in Artificial Intelligence"

Respected Sir,

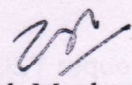
We are glad to inform you that we got sanction for financial assistance of **Rs. 30000/-** from the GUJCOST, Gandhinagar for the aforementioned STTP. The objective of this workshop is to provide foundation concepts, research trends, and advancements in the field of AI to academicians, research scholars and industry participants. This STTP is scheduled from 25/10/2021 to 29/10/2021.

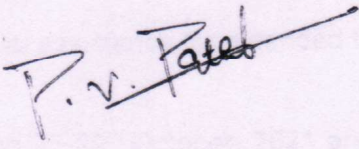
The proposed budget; submitted to the GUJCOST, for the STTP is as follows.

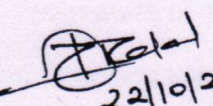
Income		Expenditure		
		Sr. No.	Title	Approximate Cost (Rs.)
Financial Assistance from GUJCOST	30,000	1	Remuneration for experts	26000
		2	Video/photography, Audio-Visual arrangements, and Web-casting	2000
		3	Flex Banner, Certificate, Stationary, and Other consumable/miscellaneous items	2000
<b>TOTAL</b>	<b>30000</b>	<b>TOTAL</b>		<b>30000</b>

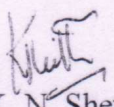
Since, the fund from GUJCOST will be disbursed after the completion of program, we request for seed money of **Rs. 30000/-** from university.

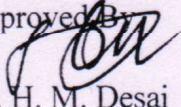
Kindly approve.

  
Dr. Yogesh Meghrajani  
(Coordinator)

  
Prof. Pinkesh Patel  
(Coordinator)

  
22/10/21  
Dr. Purvang Dalal  
Head, EC Department

  
Prof. K. N. Sheth  
Dean, Faculty of Technology

Approved By  
  
Dr. H. M. Desai  
Vice - Chancellor

Submitted to VC Sir,  
Recommended to sanction Rs 30,000/-  
as seed money for the program.  
It will be read from Gujcost on  
Submission of Report & Details

Encl.: Sanctioned order from GUJCOST.



# GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY

Department of Science & Technology, Government of Gujarat

Block : B, 7th Floor, M. S. Building, Nr. Pathikashram, Sector-11,  
Gandhinagar, Gujarat - 382011.

Phone : (079) 23259362-65 Fax : (079) 23259363

E-mail : info-gujcost@gujarat.gov.in

URL : www.gujcost.gujarat.gov.in



Dr. Narottam Sahoo  
Advisor and Member Secretary

No. GUJCOST/Sem-Symp 3405/2021-22/ 1695

23<sup>rd</sup> August, 2021

Dr. Yogesh Meghrajani,  
Associate Professor, EC  
Faculty of Engineering  
Dharmsinh Desai University  
Nadiad: 387001

Sub: National STTP on "Research Perspective in Artificial Intelligence"  
Ref: Letter from Programme Coordinator, Faculty of Engineering, Dharmsinh Desai  
University, dated 13<sup>th</sup> August, 2021

Dear Sir,

GUJCOST has sanctioned an amount of Rs.30,000/- for holding the National STTP on "Research Perspective in Artificial Intelligence" for the year 2021-22.

With reference to above, GUJCOST is pleased to consider your request for reschedule of the above webinar from 6-10<sup>th</sup> September, 2021 to 25-29<sup>th</sup> October, 2021.

Kindly note that GUJCOST will not provide any further financial assistance for extended time period.

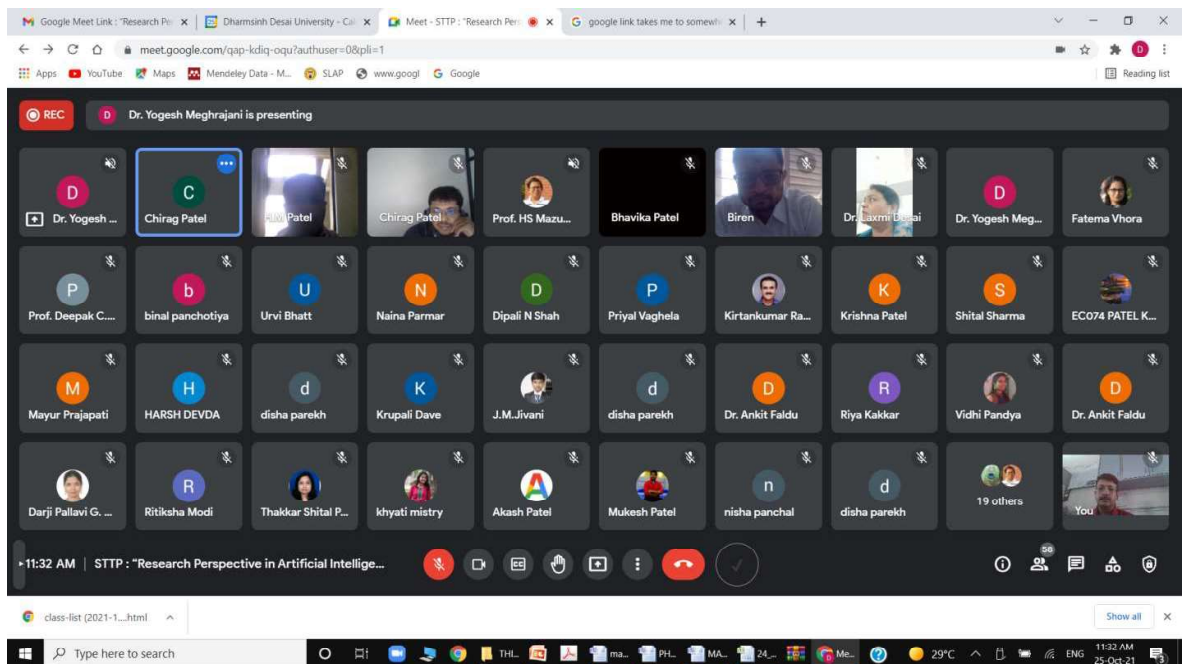
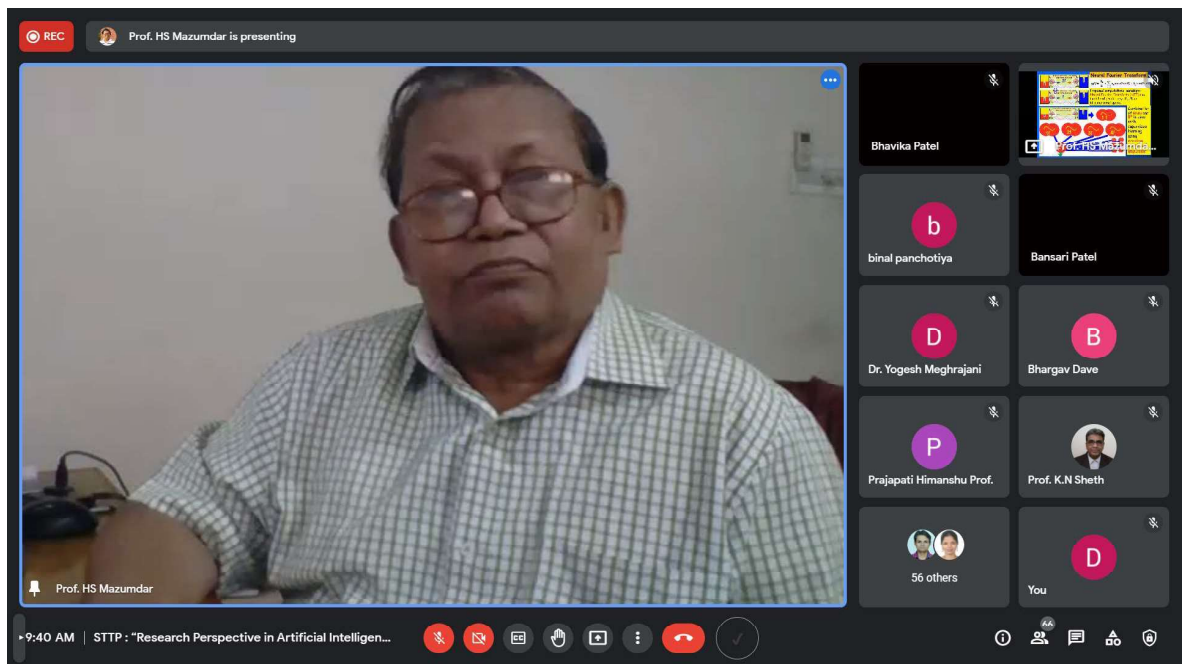
GUJCOST request you to complete the above webinar during 25-29<sup>th</sup> October, 2021 and to submit the programme report, Utilization Certificate, list of participants, statement of income & expenditure copy of vouchers, photographs, press notes, etc. with necessary stamp and signature of the programme coordinator and Head of the institute.

Thanking you and with best regards.

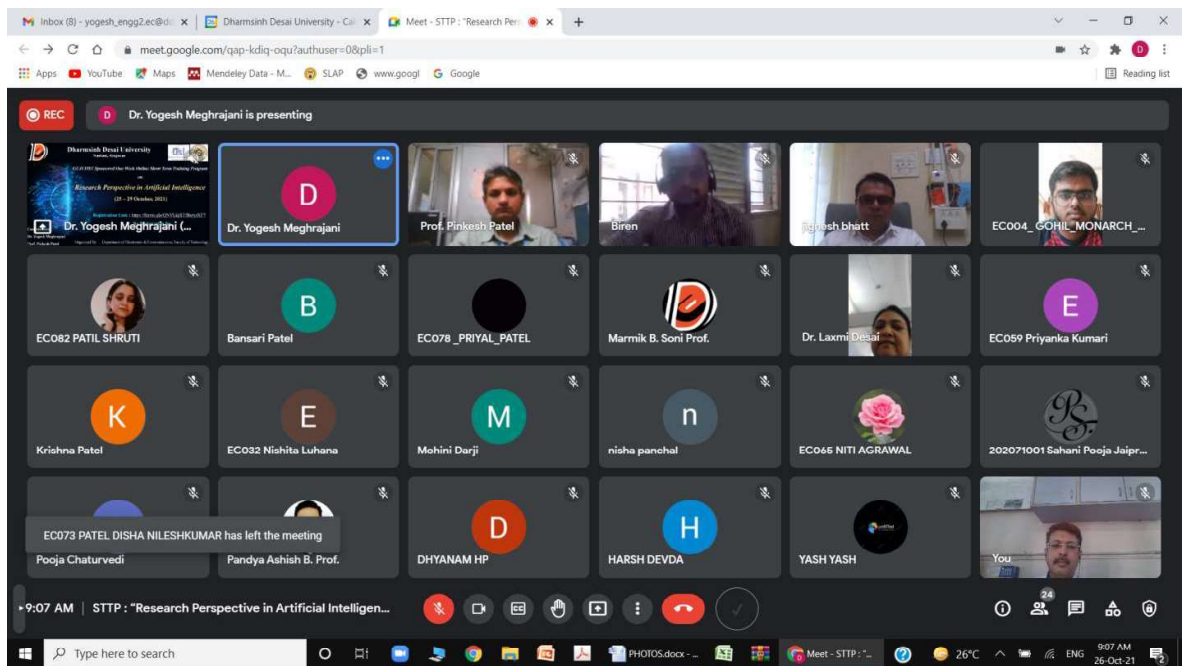
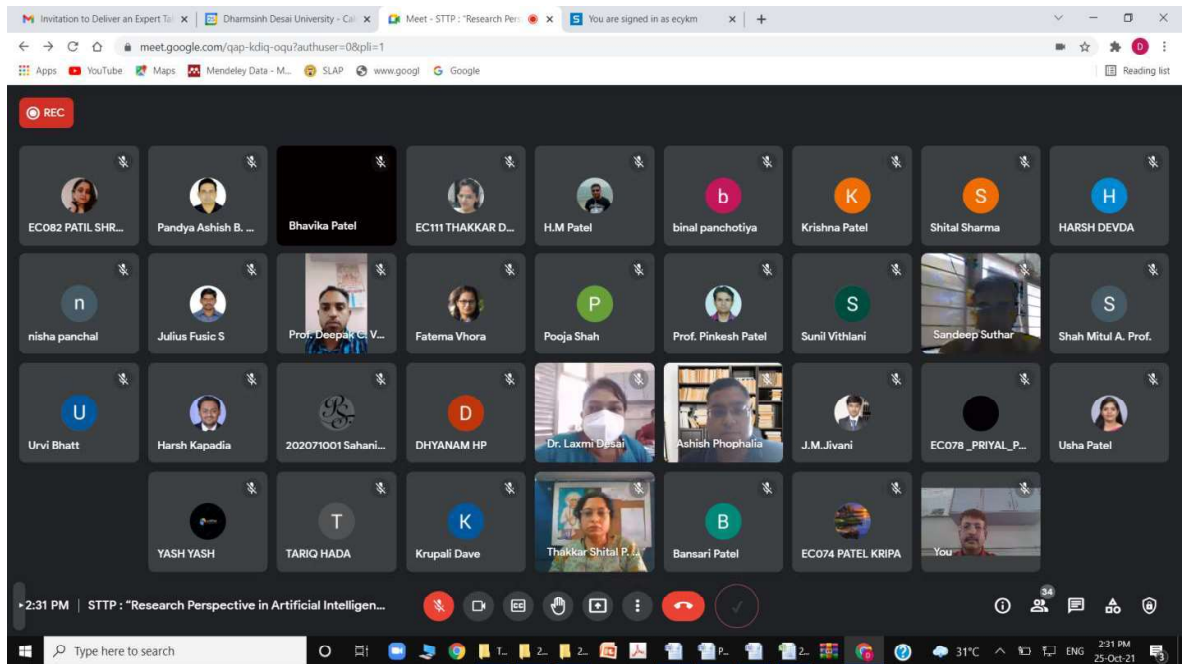
Yours sincerely,

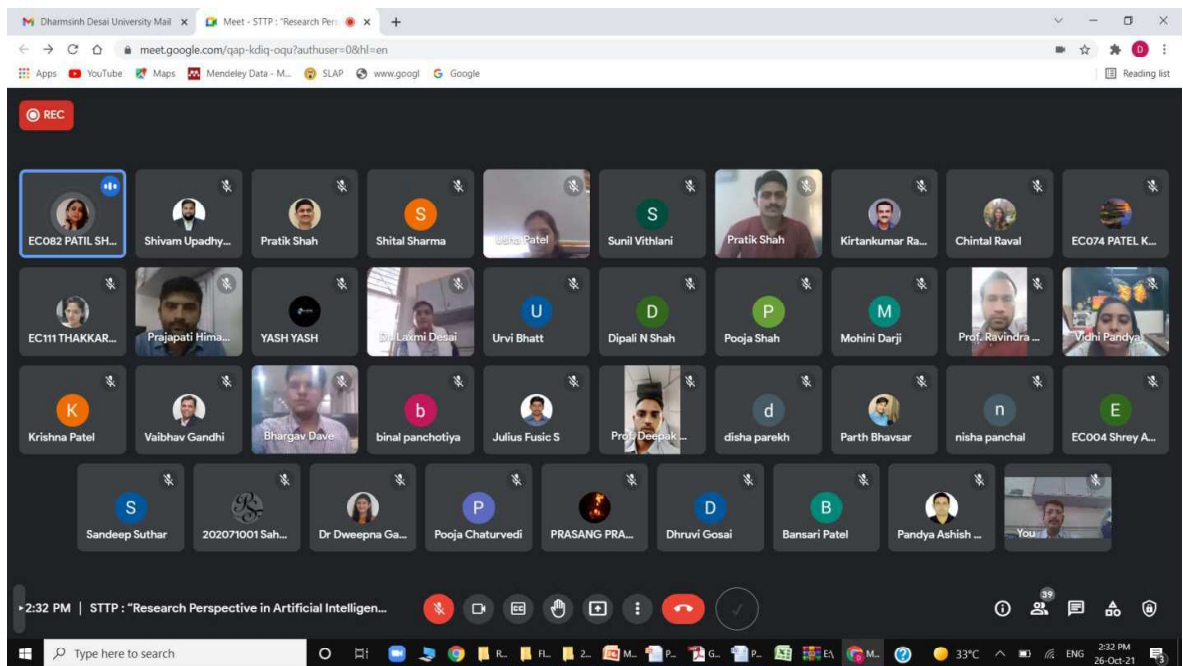
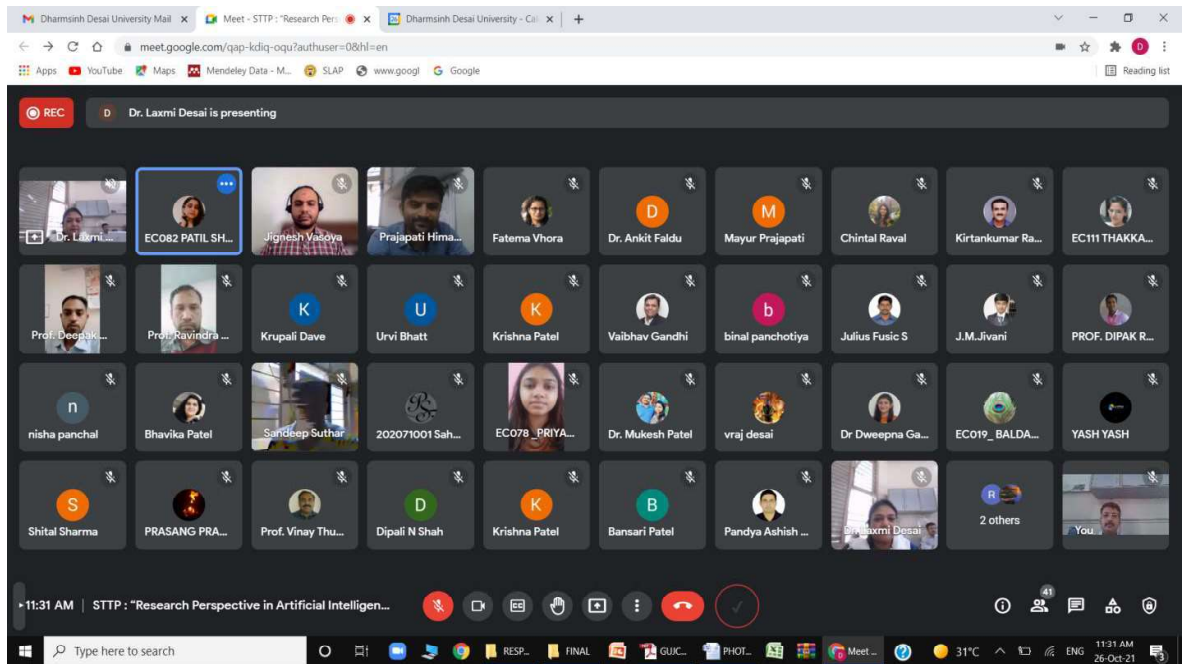
(Narottam Sahoo)



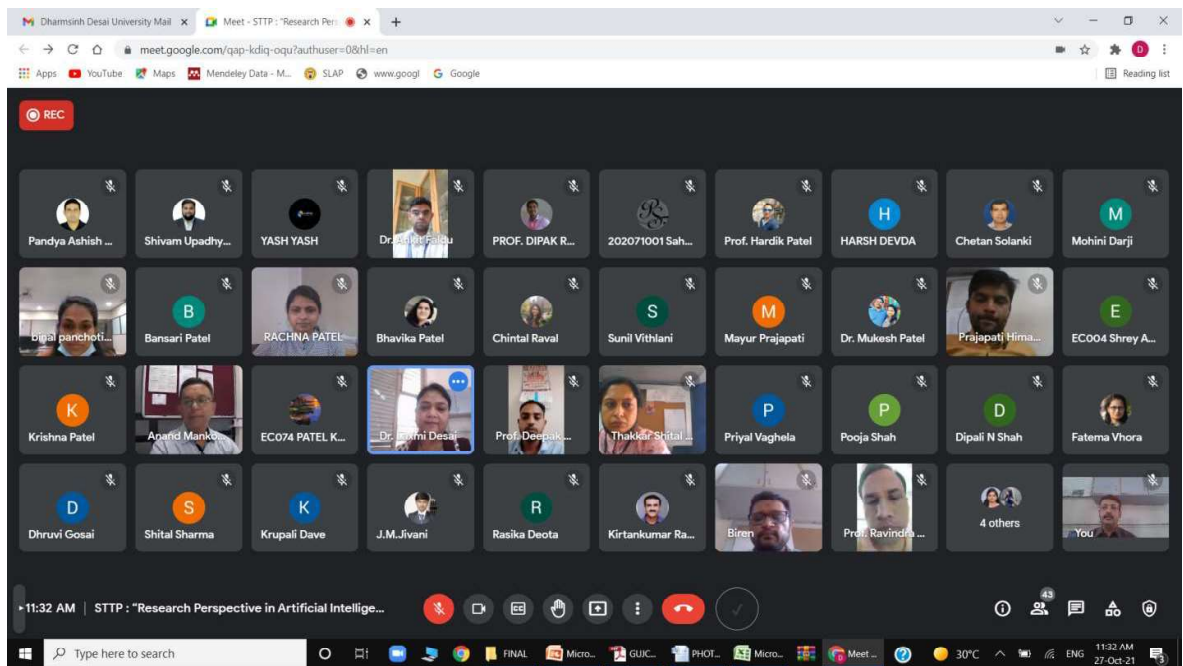
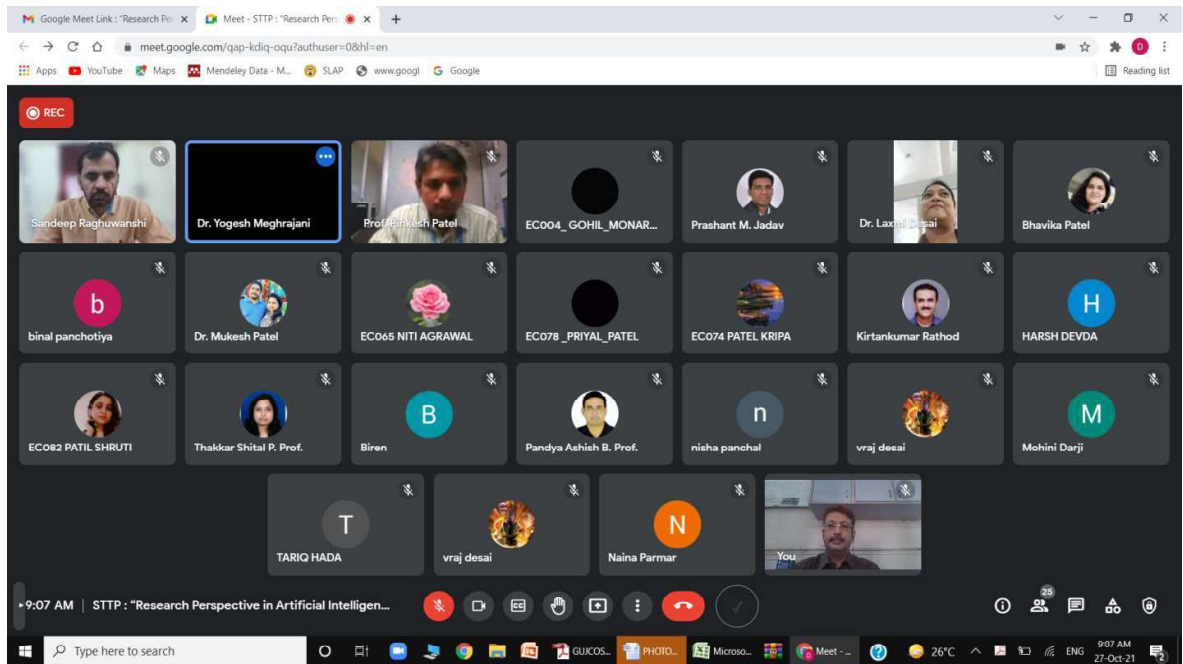


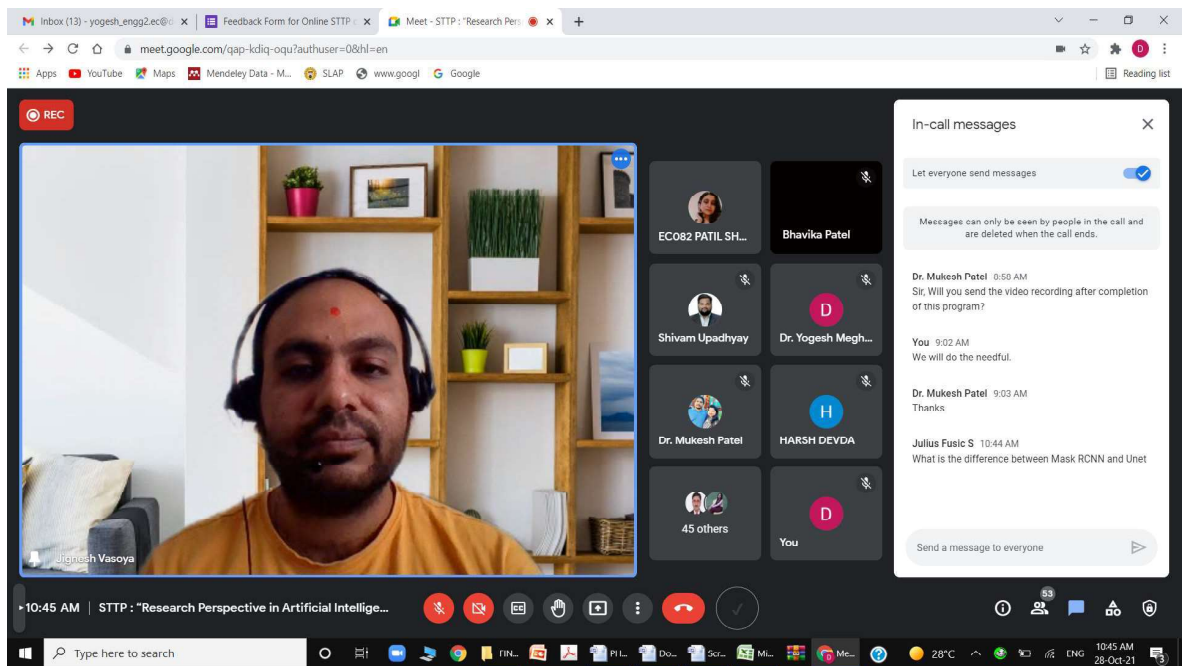
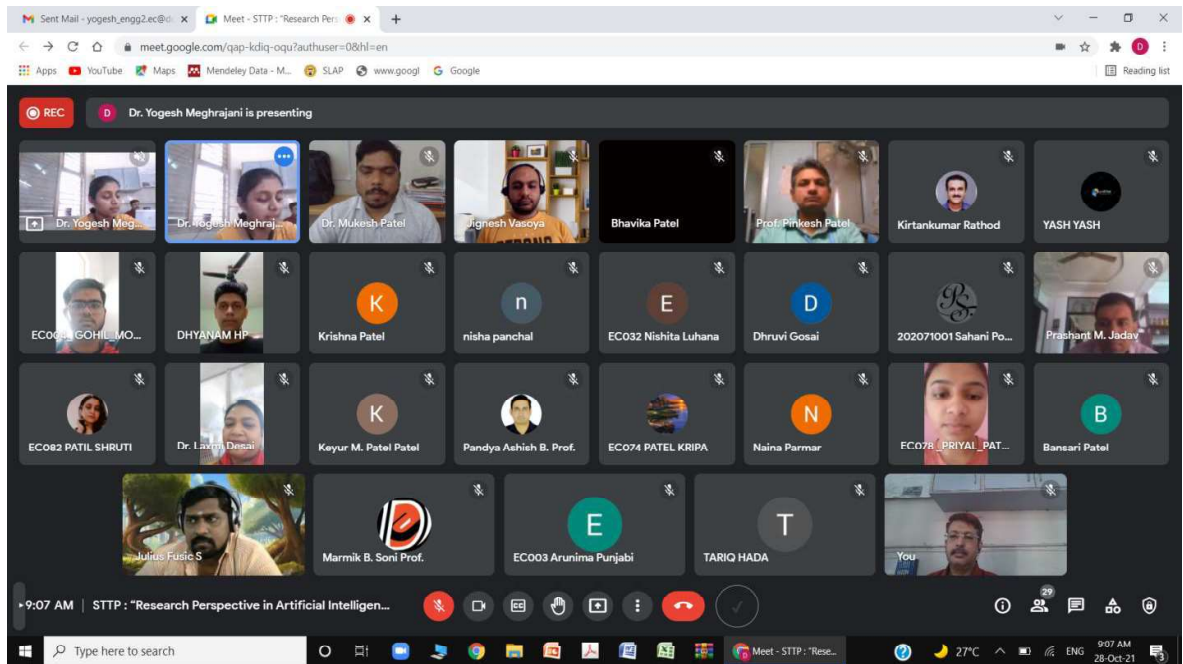














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meet.google.com/qap-kdliq-oqu?authuser=0&hl=en

Apps YouTube Maps Mendeley Data - M... SLAP www.googl Google Reading list

REC ARVIND YADAV is presenting

25-10-2021 - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Tell me what you want to do... Sign in Share

Format Painter New Slide Section Clipboard Font Paragraph Drawing Shape Fill Shape Outline Shape Effects Selection

1 One week STTP on "Research Perspective in Artificial Intelligence", sponsored by GUJCOST, DST (GoS)

2 "Structural Health Monitoring using ML & DL"

3 At 11:30 00 am - 01:30 pm 28-10-2021

4 Organized by Department of Electronics & Communication, Faculty of Technology, Dharmansh Desai University

Dr. Arvind R. Yadav  
Professor, Dept of E&C, PIET  
Associate Dean (PhD & PG Programs), PET  
Panaji University  
Email : arvind.yadav@panajidevuniversity.ac.in

Footer 10/28/2021

Click to add notes

ARVIND YADAV

Prof. Ravindra Vyas

Biren

Bhavika Patel

Shivam Upadhyay

Pooja Chaturvedi

HARSH DEVDA

binal panchotiya

YASH YASH

Chintal Raval

25 others

You

11:29 AM | STTP: "Research Perspective in Artificial Intelligence..."

Type here to search

11:29 AM 28 Oct-21

Draft Copy - yogesh\_engg2ec@ x Dharmansh Desai University Mail x Meet - STTP: "Research Per... x power point wiki - Google Search x

meet.google.com/qap-kdliq-oqu?authuser=0&hl=en

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REC ARVIND YADAV is presenting

ARVIND YADAV

Prof. Ravindra Vyas

Biren

Bhavika Patel

Shivam Upadhyay

Pooja Chaturvedi

HARSH DEVDA

binal panchotiya

YASH YASH

ECO82 PATIL SHR...

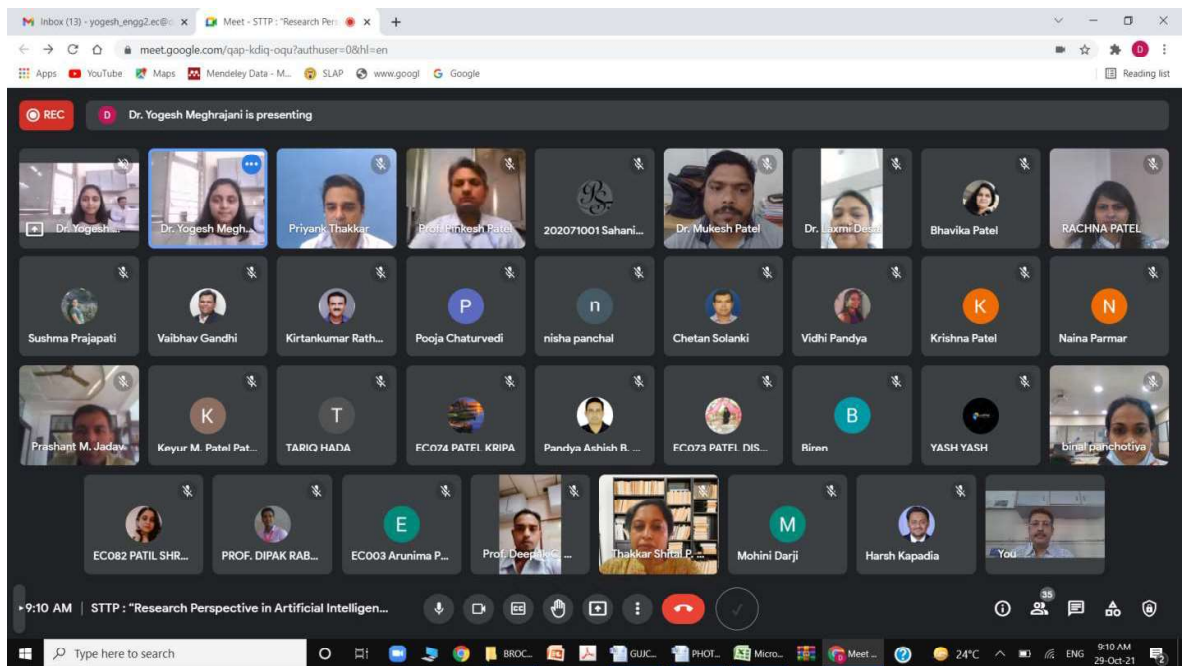
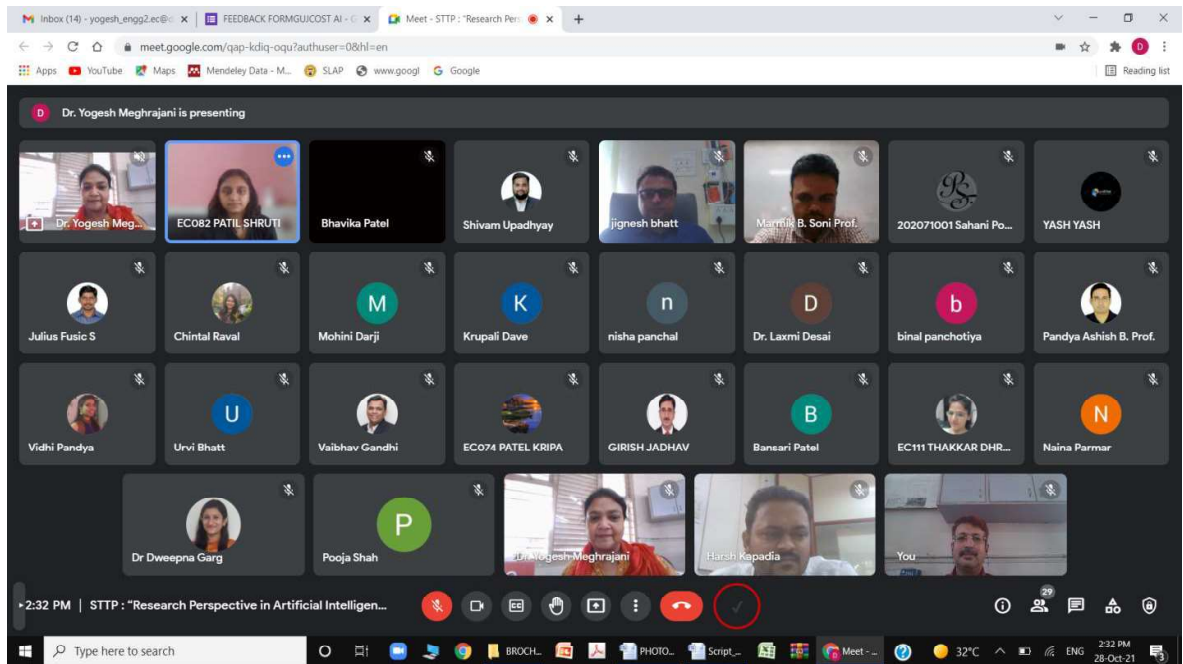
25 others

You

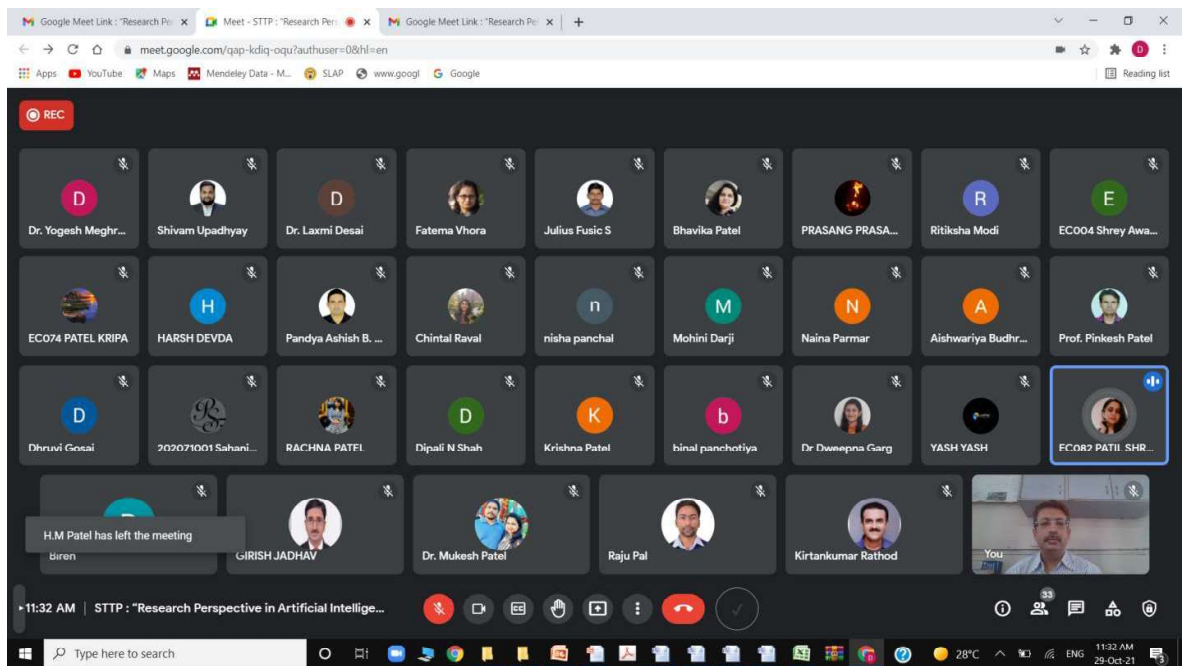
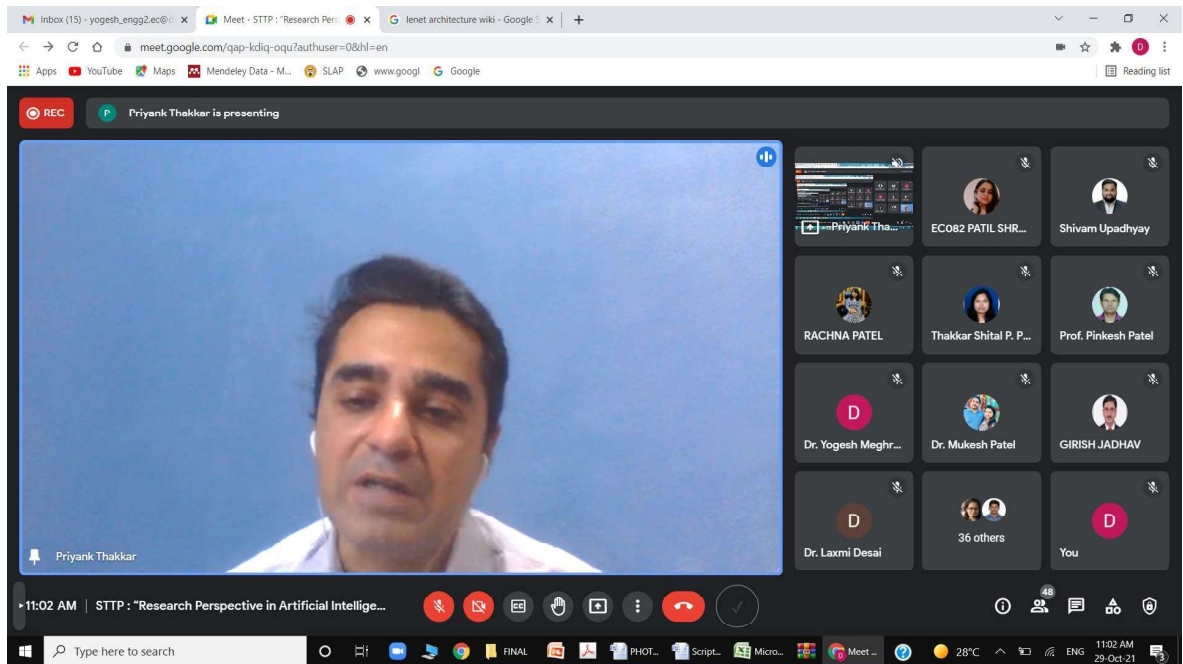
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11:30 AM 28 Oct-21







Google Link Invitation for the V... Meet - gap-kdliq-oqu FEEDBACK FORM GUI/COST AI -

meet.google.com/gap-kdliq-oqu?authuser=0&hl=en

Apps YouTube Maps Mendeley Data - M... SLAP www.google Google Reading list

REC Dr. Yogesh Meghrajani is presenting

CH - Dr. M.S. Rao

1:34 PM | STTP: "Research Perspective in Artificial Intelligen..."

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People

Mute all Add people Host controls

Search for people

In call

- Dr. Yogesh Meghrajani... (You) Meeting host
- Aishwariya Budhrani
- Bhargav Dave
- Bhavika Patel
- Binal Kaka
- binal panchotiya
- Biren

Prof. Deepak C. ... Shivam Upadhyay

Dr. Yogesh Megh... EC Department

Ritiksha Modi Dr. Yogesh...

45 others You

32°C 1:34 PM 29 Oct 21

Google Link Invitation for the V... Meet - gap-kdliq-oqu FEEDBACK FORM GUI/COST AI -

meet.google.com/gap-kdliq-oqu?authuser=0&hl=en

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REC Dr. Yogesh Meghrajani is presenting

EC Department

1:34 PM | STTP: "Research Perspective in Artificial Intelligen..."

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People

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- binal panchotiya
- Biren

Ritiksha Modi Shivam Upadhyay

Dr. Yogesh Megh... CH - Dr. M.S. Rao

Prof. Deepak C. ... Dr. Yogesh...

47 others You

32°C 1:34 PM 29 Oct 21



Google Link: Invitation for the V... Meet - qap-kdiq-oqu FEEDBACK FORM GUIJCOST AI -

meet.google.com/qap-kdiq-oqu?authuser=0&hl=en

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REC Dr. Yogesh Meghrajani is presenting

**Dharmsinh Desai University**  
Nadiad, Gujarat

**GUJCOST Sponsored One Week Online Short Term Training Program**  
on  
**Research Perspective in Artificial Intelligence**  
(25 – 29 October, 2021)

**Registration Link :** <https://forms.gle/QNVLkjXTfByrytXF7>  
**No Registration fee**

**Coordinators:**  
Dr. Yogesh Meghrajani  
Prof. Pinkesh Patel

Organized By: Department of Electronics & Communication, Faculty of Technology

1:35 PM | STTP : "Research Perspective in Artificial Intelligen..."

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32°C 1:35 PM 29-Oct-21

Google Link: Invitation for the V... Meet - qap-kdiq-oqu FEEDBACK FORM GUIJCOST AI -

meet.google.com/qap-kdiq-oqu?authuser=0&hl=en

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REC Dr. Yogesh Meghrajani is presenting

You have extensions installed that may affect the quality of your call. Learn more Dismiss

You're presenting to everyone. Stop presenting

Prof. Deepak C. Vegda has left the meeting

Prof. Deepak C. Vegda has left the meeting

1:42 PM | STTP : "Research Perspective in Artificial Intelligen..."

Type here to search

32°C 1:42 PM 29-Oct-21

# GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY

Department of Science & Technology, Government of Gujarat



सत्यमेव जयते

Block : B, 7th Floor, M. S. Building, Nr. Pathikashram, Sector-11,  
Gandhinagar, Gujarat - 382011.

Phone : (079) 23259362-65 Fax : (079) 23259363

E-mail : info-gujcost@gujarat.gov.in

URL : www.gujcost.gujarat.gov.in



**Dr. Narottam Sahoo**

Advisor & Member Secretary

GUJCOST/Sem-Symp 3405(1)/2021-22/ 1401

26th July, 2021

**Dr. Yogesh Meghrajani,**

Associate Professor, EC

Faculty of Engineering

Dharmsinh Desai University

Nadiad: 387001

Sub: Financial Support of GUJCOST for the National STTP on "Research Perspective in Artificial Intelligence"

Ref: Your proposal, dated 3<sup>rd</sup> April, 2021

Dear Sir,

Greetings from Gujarat Council on Science and Technology (GUJCOST), Gandhinagar.

With reference to above, it is our pleasure to inform you that your proposal for holding the "Research Perspective in Artificial Intelligence" during 6-10<sup>th</sup> September, 2021 has been considered for the financial support of GUJCOST.

GUJCOST, is in principle approved an amount of Rs.30000/- (Rupees Thirty thousand only) for this programme on the following terms and conditions.

1. If you change the date and speakers or proposed resource person then please, intimate to GUJCOST.
2. The programme will be organised as per the proposal and guidelines of GUJCOST for the grant.
3. GUJCOST will release the sanctioned amount after the completion of the programme and on receipt of the programme report, Utilization Certificate, list of experts, Nos of participants, statement of income & expenditure copy of vouchers, photographs, press notes, etc. with necessary stamp and signature of the Programme Coordinator and Head of the Institute.
4. The organiser should send one illustrative poster including the title of the programme, dates, venue and other information details in one-week advance to publish on GUJCOST website and social media for broader outreach.
5. The organiser also publish the informative brochure / poster on institute social media for broader outreach.
6. The organiser shall acknowledge the support of GUJCOST, DST, and Govt. of Gujarat in all the publications including poster, brochure, banner, backdrop, invitation card, press release, souvenir and proceedings.
7. The organiser shall invite the DST, Govt. of Gujarat institutions as Resource Person / Expert Member as per the subject matter concern.
8. Once the programme is over, the organiser shall submit the program report, statement of expenditure and Utilization Certificate within one month of completion of the programme within one month.

We once again thank you for your kind effort and interest in organising the programme and wish the programme a grand success.

Thank you and with best regards.

Yours sincerely,

(Narottam Sahoo)



# GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY

Department of Science & Technology, Government of Gujarat

Block : B, 7th Floor, M. S. Building, Nr. Pathikashram, Sector-11,  
Gandhinagar, Gujarat - 382011.

Phone : (079) 23259362-65 Fax : (079) 23259363

E-mail : info-gujcost@gujarat.gov.in

URL : www.gujcost.gujarat.gov.in



**Dr. Narottam Sahoo**

Advisor and Member Secretary

No. GUJCOST/Sem-Symp 3405/2021-22/ 1695

23<sup>rd</sup> August, 2021

**Dr. Yogesh Meghrajani,**

Associate Professor, EC

Faculty of Engineering

Dharmsinh Desai University

Nadiad: 387001

Sub: National STTP on "Research Perspective in Artificial Intelligence"

Ref: Letter from Programme Coordinator, Faculty of Engineering, Dharmsinh Desai University, dated 13<sup>th</sup> August, 2021

Dear Sir,

GUJCOST has sanctioned an amount of Rs.30,000/- for holding the National STTP on "Research Perspective in Artificial Intelligence" for the year 2021-22.

With reference to above, GUJCOST is pleased to consider your request for reschedule of the above webinar from 6-10<sup>th</sup> September, 2021 to 25-29<sup>th</sup> October, 2021.

Kindly note that GUJCOST will not provide any further financial assistance for extended time period.

GUJCOST request you to complete the above webinar during 25-29<sup>th</sup> October, 2021 and to submit the programme report, Utilization Certificate, list of participants, statement of income & expenditure copy of vouchers, photographs, press notes, etc. with necessary stamp and signature of the programme coordinator and Head of the institute.

Thanking you and with best regards.

Yours sincerely,

(Narottam Sahoo)



**GUJCOST Sponsored**  
**One Week Short Term Training Program**

on

**Research Perspective in Artificial Intelligence**

(25 –29 October, 2021)



**Organized By: Department of Electronics & Communication,  
Faculty of Technology, Dharmsinh Desai University,  
Nadiad, Gujarat**

**[Session-I: 9:00 to 11:00; Session-II: 11:30 to 13:30; Session-III: 14:30 to 16:30]**

<b>DAY-1 [25/10/2021, MONDAY]</b>		
<b>Inauguration: 08:45 am to 09:00 am</b>		
Session – I	Advancement in Artificial Neural Network	Dr. H. S. Mazumdar Professor (EC) and Head - R&D Center, Dharmsinh Desai University, Nadiad
Session – II	Introduction to Artificial Intelligence	Dr. Chirag Patel, Associate Professor, DEPSTAR, CHARUSAT University, Changa
Session – III	Advancement in Deep Random Forest Algorithm	Dr. Ashish Phophalia, IIIT Vadodara
<b>DAY-2 [26/10/2021, TUESDAY]</b>		
Session – I	Thrust Research Area in Supervised Learning	Dr. Jignesh Bhatt, IIIT, Vadodara
Session – II	Recent Trend in Real Time Object Detection	Mr. Jignesh Vasoya Research Lead, Magna Automotive Pvt. Ltd., Pune
Session – III	Research Progress in Reinforcement Learning	Dr. Pratik Shah, IIIT, Vadodara
<b>DAY-3 [27/10/2021, WEDNESDAY]</b>		
Session – I	Fundamental of Semi-Supervised Learning & it's Recent Development	Dr. Sandeep Raghuwanshi, Samrat Ashok Technological Institute, Vidisha
Session – II	Different Approaches for Abnormal Activity Recognition	Dr. Anand Mankodia, Associate Professor, EC (Ganpat University)
Session – III	Manufacturing Product Inspection using Machine Vision	Mr. Pranay Soni, R&D Lead, Span Inspection System Pvt. Ltd., Gandhinagar
<b>DAY-4 [28/10/2021, THURSDAY]</b>		
Session – I	An Efficient Approach for Semantic Segmentation	Mr. Jignesh Vasoya Research Lead, Magna Automotive Pvt. Ltd., Pune
Session – II	Structural Health Monitoring using ML & DL	Dr. Arvind Yadav, Dean, Faculty of Engineering (Parul University)
Session – III	Advanced Research in Unsupervised Learning	Dr. Jignesh Bhatt, IIIT, Vadodara
<b>DAY-5 [29/10/2021, FRIDAY]</b>		
Session – I	Convolution Neural Network and its Application	Dr. Priyank Thakkar Associate Professor, IT (Nirma University)
Session – II	Unsupervised Data Classification Algorithms	Dr. Raju Pal, Jaypee Institute Information Technology, Noida
Session – III	Valediction, Feedback	--



**List of Registered Participants: GUJCOST sponsored a week STTP on "Research Perspective in Artificial Intelligence"**

Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
1	Mr.	DIPAK K. RABARI	EC	DD University, Nadiad	dipakrabari.ec@ddu.ac.in	8866667150	Department of EC, FOT, DDU Nadiad	Nadiad	Gujarat
2	Prof.	MARMIK BHUPENDRAKUMAR SONI	EC	Dharmsinh Desai University	marmiksoni.ec@ddu.ac.in	+91 90339 67780	EC Department, DDU, Nadiad	Nadiad	Gujarat
3	Prof.	Dipali N. Shah	Chemical	Dharmsinh Desai University	dipali_912.ch@ddu.ac.in	9428660954	Dept. of Chem. Engg., DDU	Nadiad	Gujarat
4	Prof.	DEEPAKBHAI C VEGDA	IT	Dharmsinh Desai University	deepakvegda.it@ddu.ac.in	07567557549	Faculty Of Technology,	Nadiad	Gujarat
5	Mr.	RAVINDRA A. VYAS	I. T.	DHARMSINH DESAI UNIVERSITY, NADIAD	ravi.it@ddu.ac.in	9725267660	I. T. DEPARTMENT, FACULTY OF TECHNOLOGY., NADIAD	NADIAD	GUJARAT
6	Prof.	YOGENDRA LAXMINARAYAN PATEL	INFORMATION TECHNOLOGY	DHARMSINH DESAI UNIVERSITY		9979782341	IT DEPT., FOT, D. D. UNI NADIAD	NADIAD	GUJARAT
7	Mr.	SUTHAR SANDEEPBHAI RAMESHBHAI	Information Technology	D. D. University, Nadiad	sandeepsuthar.it@ddu.ac.in	9726853100	IT Department, FoT , DDU	Nadiad	Gujarat
8	Ms.	FATEMA Vhora	INFORMATION TECHNOLOGY	Dharmsinh Desai University	fatemavhora.it@ddu.ac.in	7405598072	DDU	Nadiad	Gujarat
9	Prof.	ASHISHKUMAR BHUPENDRAPRASAD PANDYA	ELECTRONICS AND COMMUNICATION	DHARMSINH DESAI UNIVERSITY	ashish.ec@ddu.ac.in	9429033109	EC DEPARTMENT, DDU, NADIAD	NADIAD	GUJARAT
10	Prof.	Jadav Prashant Milankumar	Computer Engineering	Dharmsinh Desai University	pmj.ce@ddu.ac.in	9824313647	Computer Engineering Department, Faculty of Technology, Dharmsinh Desai University, College Road, Nadiad, Gujarat - 387001	Nadiad	Gujarat

**List of Registered Participants: GUJCOST sponsored a week STTP on "Research Perspective in Artificial Intelligence"**

Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
11	Prof.	SHITAL PRAMOD THAKKAR	Electronics & Communication	Dharmsinh Desai University	shitalthakkar.ec@ddu.ac.in	9925025307	EC dept, Dharmsinh desai university	nadiad	Gujarat
12	Mr.	JIVANI JAYDEEP M.	Chemical Engineering	Dharmsinh Desai University	jaydeepjivani.ch@ddu.ac.in	9638963056	Dharmsinh Desai University, College road, Nadiad	Nadiad	Gujarat
13	Mr.	BIRENKUMAR BHARATBHAI PATEL	EC	Faculty of Technology, D. D. University	biren2787.ec@ddu.ac.in	9574078257	.	Nadiad	Gujarat
14	Mr.	KATAKIYA GAURAV J	EC	Dharmsinh Desai University	prajapatigaurav655@gmail.com	8200467728	Plot no 9 -Gayatri Nagar Talaja	Bhavnagar	Gujarat
15	Mr.	SHREY AWASTHI	Electronics and Communication	Dharmsinh Desai University	19ecuos105@ddu.ac.in	7069531068	Patel Colony 12, Madhav Darshan Tenament 3B, Near OM TVS Service Center, Jamnagar 361008	Jamnagar	Gujarat
16	Ms.	PATEL KRUPALI SUNILKUMAR	EC	Ddu,nadiad	19ecues072@ddu.ac.in	6351519816	Dakor	Dakor	Gujarat
17	Ms.	Muskan Vora	Eac	Dharmsinh Desai University	muskaanvora0107@gmail.com	9327048292	41 pushpan behind akshar mandir	Rajkot	Gujarat
18	Mr.	SANKET KANUBHAI PATEL	EC	DDU	19ecuog016@ddu.ac.in	9054636478	NR. VARAHI MATA TEMPLE, UMRETH	ANAND	GUJARAT
19	Mr.	VISHVAS SHRIKANTBHAI PANCHOLI	EC	DDIT	19ecueg013@ddu.ac.in	7990232157	Aashutosh', Brahm society, Street no. 2	Surendranagar	Gujarat
20	Mr.	BECHARA NEMI	EC	DDU	becharanemi007@gmail.com	9624067127	A-303 Saraswati Apartment, street no: 4, Zanzarda Road	Junagadh	Gujarat
21	Mr.	PARMAR MEET JAYESHBHAI	EC	DHARMSINH DESAI UNIVERSITY	19ecubg071@ddu.ac.in	7069897842	PLOT NO. 82, GAUTMESHVAR NAGAR	SIHOR-364240	Gujarat



**List of Registered Participants: GUJCOST sponsored a week STTP on "Research Perspective in Artificial Intelligence"**

Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
22	Mr.	Harshil Tank	Electronics & Communication	Dharmsinh Desai University	ht14tank@gmail.com	8128941409	150 feet ring road Rajkot-7	Rajkot	Gujarat
23	Mr.	JOSHI KASHYAP MALAYBHAI	EC	SDU	joshikashyap379@gmail.com	9426660660	Bhavnagar	Bhavnagar	Gujarat
24	Mr.	YAGNESH DEVRE	EC	DHARMSINH DESAI UNIVERSITY	yagnesh6devre@gmail.com	6351072003	A304, Rajlaxmi Palace, Chhna-Dumad Road, Chhani	Vadodara	Gujarat
25	Mr.	GONGADA SRIMANJUNATH	EC	Dharmsinh Desai University	gsrimanjunath969@gmail.com	7383347385	Qtr. No. :-D-58, Gopalpuri, Gandhidham, Gujarat	Gandhidham	Gujarat
26	Mr.	Krutarth Thakor	EC	Dharmsinh Desai University	19ecuos047@ddu.ac.in	7202902490	77A, pramukh ashiana society, B/W ICICI Bank	Valsad	Gujarat
27	Mr.	Chandan Tiwari	ECE	Ddu	20ecuod002@ddu.ac.in	7004711918	A1 prime tower amlil Silvassa (Gujrat)	Silvassa	DNH
28	Dr.	RUTVIK K SHETH	Civil Engineering	Dharmsinh Desai University	rks.cl@ddu.ac.in	9428658643	37 Nalanda Nagar, College Road, Nadiad	Nadiad	Gujarat
29	Mr.	HET DARSHAN MEHTA	Electronics and communication	Dharmsinh Desai Institute of technology	mehta.het.d@gmail.com	9904740688	A-201, Anmol Apt, Gandevi Road, Navsari	Navsari	Gujarat
30	Mr.	KEVAL H AMBASANA	Electronics and Telecommunications	AISSMS INSTITUTE OF INFORMATION TECHNOLOGY	kevalambasana@gmail.com	7990490145	A404, Swaroop Avenue	Jamnagar	Gujarat
31	Mr.	RISHAV SINGH	Electronics and Communication	Dharmsinh Desai University	19ecuos070@ddu.ac.in	7016993838	Defence Colony	Jamnagar	Gujarat
32	Ms.	BHAVINA CHECHANI	EC	Dharmsinh Desai University	19ecueg085@ddu.ac.in	7698520800	8, Jay Yogeshwar Society, Nadiad	Nadiad	Gujarat
33	Ms.	PRINCY GAJERA	Computer engineering	Dharmsinh Desai University	princygajera121@gmail.com	7984356792	C-504, sanskrut residency, sarthana jakatnaka	Surat	Gujarat

**List of Registered Participants: GUJCOST sponsored a week STTP on "Research Perspective in Artificial Intelligence"**

Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
34	Mr.	JADHAV GIRISH VASANTRAO	Electrical	PARUL University	gvj_73@yahoo.co.in	8128408633	At & PO Linda, Tal : Waghodia	Vadodara	Gujarat
35	Mr.	VAIBHAV C GANDHI	COMPUTER SCIENCE AND ENGINEERING	NAVRACHANA UNIVERSITY	vaibhavgandhi2424@gmail.com	9427946444	Vaibhav Gandhi D - 401 Harmony Hights O/p saphier global school Near solace hospital Near pariwar chokdi Waghodiya road Vadodara 9427946444 8849125664	Vadodara	Gujarat
36	Mr.	SHAH CHIRAG	EC	DDU	chiragshah4602@gmail.com	9879965857	5,PRAKASHDEEP AVENUE,NEAR NILKANTH MAHADEV	NADIAD	GUJARAT
37	Ms.	SONI DIYA KALPESHBHAI	EC	DHARMSINH DESAI UNIVERSITY	19ecuos103@ddu.ac.in	6354639239	B-202 JALSAGAR APARTMENT VANIYAVAD	NADIAD	GUJARAT
38	Mr.	Mihir Mehta	Electrical Engineering	CHARUSAT	mihirmehta.ee@charusat.ac.in	7405856957	CHARUSAT Campus- Changa, Off. Nadiad-Petlad Highway, Gujarat (India) 388 421 INDIA	Anand	Gujarat
39	Prof.	DAVE BHARGAV DEVEN	Information Technology	DHARMSINH DESAI UNIVERSITY	bhargavdave.it@ddu.ac.in	8866268201	9, Shrinager Society, Nanakumnath Road,	Nadiad	Gujarat
40	Mr.	PARMAR RAHUL DHARMENDRABHAI	ELECTRONICS & COMMUNICATION	DHARMSINH DESAI UNIVERSITY	18ecubg100@ddu.ac.in	9054156934	25, PUNIT COLONY, PAVANCHAKKI ROAD, NEAR PARAG SOCIETY, NADIAD	NADIAD	GUJARAT
41	Mr.	PATEL RUDRA NITINKUMAR	EC	Faculty of technology, ddu	rudrapatel2300@gmail.com	9723612308	Vallabh vidhyanagar	Anand	Gujarat



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Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
42	Ms.	Drashti jyotindrabhai Gorakhiya	Electronics and communication	Dharamsinh Desai university	drashtigorakhiya2901@gmail.com	7984529397	26, Amrut park, lathi road	Amreli	Gujarat
43	Ms.	Nishita Luhana	Electronics and Communication	Dharmsinh Desai University	18ecuos053@ddu.ac.in	9723312270	A-601, Takshashila East End, Gurudwara Road, Maninagar, Ahmedabad	Ahmedabad	Gujarat
44	Mr.	ADHVARYU PARTH PARAGKUMAR	EC	DHARAMSINGH DESAI UNIVERSITY	20ecuof050@ddu.ac.in	8160471600	Khedavadani khadaki	DAKOR	GUJARAT
45	Mr.	KAPADIYA DIVYESH RAMESHBHAI	EC	DHARMSINH DESAI UNIVERSITY	divyeshkapadiya25@gmail.com	08128796476	BUS STAND PLOT AREA, DHARAI, TA-BABRA, DIS-AMRELI	DHARAI	GUJARAT
46	Mr.	PATEL DHYANAM HITEN	EC	DHARAM SINGH DESAI UNIVERSITY	dhyanam1177@gmail.com	8511592937	26,NALANDA NAGAR, COLLEGE ROAD	NADIAD	GUJARAT
47	Mr.	RUSHIKUMAR N BHATT	EC	Dharamsinh Desai University	20ecuos121@ddu.ac.in	+919099650070	AB-50 Subhlaxmi Bunglows	Zadeshwar Road , Bharuch	Gujarat
48	Ms.	SHLOKA JAYESHKUMAR GANDHI	Electronics and Communication	Dharmsinh Desai University	shlokagandhi9@gmail.com	07990688074	B-18 HASTINAPURI SOCIETY KISAN SAMOSA LANE	NADIAD	GUJARAT
49	Mr.	MAYANK J PARMAR	EC	DHARMSINH DESAI UNIVERSITY	20ecusg091@ddu.ac.in	8238676672	A/302,Param flats	VADODAR A	GUJARAT
50	Ms.	PATIL SHRUTI SUNIL	EC	DHARAMSINH DESAI UNIVERSITY	20ecuos055@ddu.ac.in	9725616303	Krishna Girls Hostel Akshar township. Nadiad	Nadiad	Gujarat
51	Mr.	TARIQ HADA	Electronics and communication	Dharmsinh Desai Institute of Technology	hadatariq@gmail.com	7698821902	Khanwala Vas, near bus stand, Kanodar	Kanodar	Gujarat

**List of Registered Participants: GUJCOST sponsored a week STTP on "Research Perspective in Artificial Intelligence"**

Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
52	Mr.	BALDANIYA MIHIR RAJESHBHAI	EC	Dharamsinh Desai University Nadiad	20ecuos014@ddu.ac.in	9537598158	PLOT NO. : 157, WARD : 5A, KRISHNA AHIR NAGAR, BLOCK : B, ADIPUR, DIST - KUTCH	GANDHIDHAM	Gujarat
53	Ms.	PATEL VIRALBEN TUSHARKUMAR	EC	DDU	viral19patel.vp@gmail.com	9408498535	B/19, KALYANNAGAR SO., OPP. RAMDEVPIR MANDIR PIJ ROAD, NADIAD	NADIAD	GUJARAT
54	Mr.	HARSH RAJESHBHAI VAGADIYA	Electronics and Communication	Dharmasinh Desai University	20ecuos113@ddu.ac.in	9714009641	Lakshmivadi 2	RAJKOT	Gujarat
55	Mr.	Kathan Shah	Electronics & Communication	Dharmasinh Desai University	18ecuog023@ddu.ac.in	6355335979	B-12/80 Vrajella society, Parivar cross road, Waghodia road	Vadodara	Gujarat
56	Mr.	DEVDA HARSH DINESH	ECE	DHARMSINH DESAI UNIVERSITY	harshdevda25@gmail.com	09898037064	G-302, Aksharkunj appartment, udhna.	Surat	Gujarat
57	Ms.	NEHA CHAUBEY	EC	Dharmasinh Desai University	nchaubey123@gmail.com	9426245398	Ahmedabad, Gujarat	Ahmedabad	Gujarat
58	Mr.	KUSH BHAVESH PATEL	ELECTRONICS AND COMMUNICATION	DHARMSINH DESAI INSTITUTE OF TECHNOLOGY	kbp1805@gmail.com	9512214570	A/39 ANANDBAUG TENAMENTS, NEAR SUBODHNAGAR, MANJALPUR	VADODARA	GUJARAT
59	Mr.	SHIV HITESHKUMAR BHATT	EC	DDIT	18ecuon109@ddu.ac.in	7600032901	14, Ashutosh Society, VIP Road, Kareibaug	Vadodara	Gujarat



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Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
60	Mr.	MONARCH R. GOHIL	EC	DHARMSINH DESAI UNIVERSITY	20ecubs052@ddu.ac.in	9428825333	Building no.-6 Flat no. 301 nr. Swaminarayan Temple Adajan	Surat	Gujarat
61	Ms.	Ujama G. Shaikh	EC	Dharmsinh desai institute of technology	18ecubg014@ddu.ac.in	7434985972	4373,modiwada,kapadwanj	kapadwanj	gujarat
62	Mr.	NIHIR SHAH	EC	Dharmsinh Desai University	20ecuos124@ddu.ac.in	9429577467	C2/26 Sumant park flats	Vadodara	Gujarat
63	Ms.	PRIYAL NEHAL DESAI	EC	Ddu	20ecuos081@ddu.ac.in	07016223914	B-302,SUMERU HEIGHTS,KISHAN SAMOSA LANE, COLLEGE ROAD,NADIAD	NADIAD	GUJARAT
64	Mr.	CHIRAYU PRANAV DARJI	EC	Dharmsinh Desai University	18ecuos052@ddu.ac.in	9769500959	Surat	Surat	Gujarat
65	Ms.	PARMAR PARTHVI	EC	DDIT	parthviparmar1987@gmail.com	6353513224	PITHADAI KRUPA, Viratnagar street no 3,viratnagar main road,Rajkot	Rajkot	Gujarat
66	Mr.	DWIJSINH H GOHIL	E.C.E	DHARMSINH DESAI UNIVERSITY	dwijgohil24@gmail.com	9054498031	C-4, Akshar Township Near krishna girls hostel kisan samosa lane ,vaniyawad , Nadiad	Nadiad	Gujarat
67	Mr.	SUNIL K. VITHLANI	Information Technology	Dharmsinh Desai University	sunilvithlani.it@ddu.ac.in	7383587840	Department Of Information Technology, Ddu, College Road	Nadiad	Gujarat
68	Mr.	SHIVAM PRASAD	Electronics & Communication Engineering	Dharmsinh Desai Institute of Technology	18ecuos089@ddu.ac.in	+919409234294	Sanand	Ahmedabad	Gujarat

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Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
69	Prof.	HARDIKKUMAR BABULAL PATEL	EC	DDU	hardik.patel.ec@ddu.ac.in	9725364080	EC Dept., DDU, NADIAD	NADIAD	Gujarat
70	Ms.	PRIYANKA KUMARI	EC	Dharmsinh Desai University	19ecuxg050@ddu.ac.in	6351988301	P 10/2 Air Force Station Sarsawa	Saharanpur	Uttar Pradesh
71	Ms.	THAKKAR DHRUVI JITENDRAKUMAR	EC	Dharmsinh Desai University	20ecuog105@ddu.ac.in	9428041450	404, PRIME APPARTMENT, I.G. MARG	NADIAD	GUJARAT
72	Mr.	Tirth Halvadia	EC	Dharmsinh Desai University	tirthhalvadia123@gmail.com	9328430456	A-22 Mit bungalows, near amin party plot, high-tension road gotri	Vadodara	Gujarat
73	Mr.	DESAI SHUBHAM KISHORBHAI	EC	Dharmsinh Desai University	shubhamdesai1665@gmail.com	9328601043	Shree Siddhivinayak Soc. Laskana, Surat	Surat	Gujarat
74	Mr.	DHAVAL. Y. PATEL	EC	DDU	20ecubs110@ddu.ac.in	6354049502	5, Lilanagar society, kabilpore, Navsari	Navsari	Gujarat
75	Mr.	DIP JOSHI	Electronics and Communications	Dharmsinh Desai University	joshidip339@gmail.com	9624335686	Near Old Khoja-Khana, Ranavav	Porbandar	Gujarat
76	Mr.	GAJIPARA PARTHIV NITINBHAI	EC	Dharmsinh Desai University	20ecuog120@ddu.ac.in	7434872435	202, samarpan apartment, santlal society	Surat	Gujarat
77	Mr.	PATEL RUTIKKUMAR BIPINBHAI	EC	Dharmsinh Desai University	20ecuog051@ddu.ac.in	9327757108	B16, Tirupati township	Deesa	Gujarat
78	Mr.	Patel Keyurkumar Mahendrabhai	EC	Faculty of Technology, D.D. University, Nadiad	keyurpatel.ec@ddu.ac.in	9428656154	Collage Road, Nadiad	Nadiad	Gujarat



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Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
79	Mr.	RATHOD HARIKRUSHNA BABUBHAI	EC	DDU, Nadiad	harikrushna.rathod.ec@ddu.ac.in	9998320169	EC Dept., DDU, Nadiad	Nadiad	Gujarat
80	Prof.	MITUL A SHAH	Electronics & Communication	Dharmsinh Desai University	mitul.shah.ec@ddu.ac.in	9998870640	Gandhinagar	Gandhinagar	Gujarat
81	Ms.	DISHA PATEL	EC	Dharmsinh Desai University	20ecuos115@ddu.ac.in	9099349991	A/8, Shivam soc. Junadumral road	Nadiad	Gujarat
82	Mr.	HIMANSHUKUMAR UMESHBHAI PRAJAPATI	EC	DHARMSINH DESAI UNIVERSITY	himanshu.ec@ddu.ac.in	9429658017	EC DEPARTMENT, DDU, NADIAD	NADIAD	GUJARAT
83	Mr.	HARSH KISHORBHAI BHALALA	EC	DDIT	harshbhalala1107@gmail.com	9909060974	Motavarrachha, surat	Surat	Gujarat
84	Mr.	DHRUV HASMUKHBHAI AJUDIYA	EC	DHARMSINH DESAI UNIVERSITY	20ecuog044@ddu.ac.in	7433969780	"SHIVAM", OM-NAGAR ST. NO. 4 (CLOSE STREET), 150 FEET RING ROAD, RAJKOT	RAJKOT	GUJARAT
85	Mr.	PATEL BHAVESH TALASHIBHAI	EC	Dharmsinh Desai University	k.bhavesht45@gmail.com	9601426264	Dudapur	Surendranagar	Gujarat
86	Mr.	DEEP MODI	EC	DDU	deepmodi1808@gmail.com	9484454523	Vadodara	Vadodara	Gujarat
87	Ms.	ARUNIMA PUNJABI	EC	FOT, Dharamsingh Desai University, Nadiad, Gujarat	19ecuog113@ddu.ac.in	9319363642	B-144, phase 2, lane 19 chattarpur enclave	New delhi	Delhi
88	Mr.	JITENDRA M SHAH	EC	DDU	jmsah.ec@ddu.ac.in	9904164876	EC DEPT, DDU	NADIAD	GUJARAT
89	Ms.	NITI JITENDRA AGRAWAL	ELECTRONICS AND COMMUNICATION	DHARMSINH DESAI UNIVERSITY	20ecuos082@ddu.ac.in	9724268350	32, RATNA SAGAR SOCIETY, PETLAD ROAD	NADIAD	GUJARAT

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Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
90	Mr.	SONI VRAJ MAYURKUMAR	EC	DDU	20ecuos017@ddu.ac.in	09408027000	117-A,SITARAM VILLA , B/H JILLA SEVA SADAN, MUSA ROAD	VYARA	GUJARAT
91	Ms.	PATEL KRIPA HARSHADKUMAR	EC	DDIT	20ecuos112@ddu.ac.in	6354017388	House no 12,Shinay 40 township,Adipur Mundra road	Gandhidham	Gujarat
92	Ms.	PATEL PRIYAL PANKAJKUMAR	EC	DHARMSINH DESAI UNIVERSITY	20ecuog100@ddu.ac.in	07016303839	7, GAYATRI SOCIETY, OPP. DIVYA SHOPE, B/H NAVYUG COLLEGE, NEW RANDER ROAD	SURAT	GUJARAT
93	Dr.	Lakshmi S. Desai	Mathematics	Faculty of Technology, Dharmsinh Desai University	hod.maths@ddu.ac.in	9925040187	Department of Mathematics, Faculty of Technology, Dharmsinh Desai University	NADIAD	GUJARAT
94	Mr.	Julius Fusic S	Mechatronics	Thiagarajar college of engineering	sjf@tce.edu	9600663383	Tpk, madurai	Madurai	Tamil Nadu
95	Mr.	Khaja Hussain Shaik	CSE	National P.G. College	mailtokhaja@gmail.com	09440985567	#7-70A, Nadigadda street	Nandyal	Andhra Pradesh
96	Mr.	HADAGALI ASHOKA	Biotechnology	BMSCE	hadagaliashoka.bt@bmsce.ac.in	9902433100	Dept of biotechnology, BMSCE,BENGALURU 19	Bengaluru	Karnataka
97	Ms.	T SUGUMARI	ELECTRONICS & COMMUNICATION ENGG	K.L.N.COLLEGE OF ENGINEERING	ammusugumari@gmail.com	8015014049	17/123 towerline street p.p.chavadi madurai 16	Madurai	Tamilnadu



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Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
98	Dr.	Dr.MAYANK SHARMA	Pharmaceutics	NMIMS School of Pharmacy and Technology Management	mayank2306@gmail.com	+919630164344	Mukesh Bhai Technology Park	Shirpur	Maharashtra
99	Mr.	GAURAV P R	Computer science and engineering	Vidhyavardhaka College of Engineering	gaurav.pr14@gmail.com	9986630084	Gaurav P R Assistant Professor Computer science and Engineering department Vidhyavardhaka College of Engineering Gokulam 3rd stage Mysuru - 570002	Mysuru	Karnataka
100	Mr.	ATHARVA COLLEGE OF ENGINEERING, MUMBAI	Computer Engineering	Mumbai University	mahendrapatil@atharvacoe.ac.in	7718954854	A-604 New Sai Karishma Arcade Miraroad East	Mumbai	Maharashtra
101	Ms.	SWAPNA PATIL	Electronics and Telecommunication Engineering	Shree L R Tiwari College of Engineering Mumbai	swapna.patil@slrtce.in	8850158557	A-604 New Sai Karishma Arcade, Miraroad East	Mumbai	Maharashtra
102	Dr.	RUPALI JAYANT SHELKE	Electronic Engineering	Walchand institution of Technology Solapur	shelkerupalij@gmail.com	9423331596	666, South Kasba Vinayak Vihar near data ganpati, chaupad	Solapur	Maharashtra
103	Mr.	Debayan Bhattacharya	Electrical Engineering	Assistant Professor, Future Institute of Technology (MAKAUT)	debayan.int@gmail.com	7980706090	Garia, Kolkata	Kolkata	West Bengal

**List of Registered Participants: GUJCOST sponsored a week STTP on “Research Perspective in Artificial Intelligence”**

Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
104	Mr.	Anil S Naik	Mining Engineering	National Institute of Technology Karnataka, Surathakal	anilснаik.217mn001@nitk.edu.in	7892113809	Surathakal	Surathakal	Karnataka
105	Mr.	Arvind vijay yadav	Cmpn	Atharva College of engineering	arvindyadav9372129941@gmail.com	9372129941	Jai bajarang society,Hanuman nagar	MUMBAI	MAHARASHTRA
106	Mr.	OM PANDHARINATH SASE	Computer engineering	Atharva college of engineering	saseom-cmpn@atharvacoe.ac.in	9960781865	C-5/301, HDIL residency park 1, Narangi bypass road,virar(west)	Virar	Maharashtra
107	Ms.	AKANKSHA PORIWADE	Computer Engineering	Atharva College Of Engineering	poriwadeakanksha-cmpn@atharvacoe.ac.in	9082891204	Goregaon	Mumbai	Maharashtra
108	Ms.	SOUMYA SINGH	Computer science and engineering	Atharva college of Engineering	singhsoumya-cmpn@atharvacoe.ac.in	7021331604	Sector 2,A-10 , shanti nagar Mira road	Mumbai	Maharashtra
109	Dr.	S.KARKUZHALI	Department of Computer Science and Engineering	Mepco Schlenk Engineering College, Sivakasi	vijikarkuzhali@gmail.com	9600634389	1/201/5/2D amman nagar, thevarkulam road,opp to housingboard, Sivakasi 626124	SIVAKASI 626124	Tamil Nadu
110	Ms.	PRADNYA PRAKASH TIRLOTAKAR	CMPN	Atharva College Of Engineering	pradnyatirlotkar068@gmail.com	7738330552	Malad	Mumbai	Maharashtra
111	Mr.	SHUBHAM VIJAY DABHADE	Computer Engineering	Atharva College of Engineering	dabhadeshubham-cmpn@atharvacoe.ac.in	9324588870	3/4 masurkar chawl,kurar village,malad(east)	MUMBAI	MAHARASHTRA
112	Ms.	SINGH SAKSHI ARVIND	CMPN	Atharva college of engineering	sakshisingh177@gmail.com	9321937291	Rawalpada, Dahisar east	Mumbai	Maharashtra
113	Ms.	SWATI MISHRA	Cmpn	Atharva college of engineering	swatimishra08388@gmail.com	8552985599	A/201 glory gokul township virar west mumbai	Mumbai	Maharashtra



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Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
114	Ms.	ARCHITA MANISHBHAI SONI	EC	DDU	architas244@gmail.com	+916356943691	68 SAMARPAN TENAMENT NEAR JANTANAGAR RAILWAY CROSSING GHATLODIA	Ahmedabad	Gujarat
115	Dr.	Jayanti Goyal	CS	Kanoria PG Mahila Mahavidyalaya	goyal.jayantiaca@gmail.com	9828458172	Jaipur	JAIPUR	Rajasthan
116	Ms.	SEEMA GANESH MANDLIK	It	Mitaoe	seema.nakhate@gmail.com	9156748363	Pune	Pune	Maharashtra
117	Mr.	Vraj Desai	EC	Dharmsinh Desai University	vrajdesai8888@gmail.com	09374957439	8-Nilamber Duplen opp., H.L. Pate party plot, Vasana	Vadodara	Gujarat
118	Mr.	DHARMESH KANZARIYA	Electronics and Communication	Dharmsinh Desai Institute of Technology	d.kanzariya196@gmail.com	9909624688	Tirumala Park, Aji Dam	Rajkot	GUJARAT
119	Mr.	RAHUL AJMERIYA	ECE	IT	rahulajmeriya018@gmail.com	7600915094	Momai krupa, indira society, near bajrang mill	Jamnagar	Gujarat
120	Prof.	Prof Hardik M.Patel	Computer Engineering	GTU	profhmp@gmail.com	9998612764	Kadi	Kadi	Gujarat
121	Prof.	MAYUR PRAJAPATI	COMPUTER ENGINEERING	SHANKERSINH VAGHELA BAPU INSTITUTE OF TECHNOLOGY	mayur.prajapati@bapugkv.ac.in	9427107581	A-103, ARJUNVILLA, NEW RANIP, AHMEDABAD	AHMEDABAD	GUJARAT
122	Ms.	BHAVIKA NANDANKUMAR PATEL	COMPUTER ENGINEERING	DEVANG PATEL INSTITUTE OF ADVANCE TECHNOLOGY AND RESEARCH	bhavikapatel.dce@charusat.ac.in	8128047579	CHARUSAT Campus, Off. Nadiad-Petlad Highway, Changa	Anand	Gujarat

**List of Registered Participants: GUJCOST sponsored a week STTP on "Research Perspective in Artificial Intelligence"**

Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
123	Ms.	SHAH POOJA K.	Computer Engineering	SHANKERSINH VAGHELA BAPU INSTITUTE OF TECHNOLOGY	pooja.shah@bapugkv.ac.in	9727729855	Chandkheda, Ahmedabad	Ahmedabad	Gujarat
124	Ms.	Krishna Patel	CSE	CHARUSAT University	krishnapatel.ce@charusat.ac.in	8460129862	DEPSTAR, CHARUSAT	CHANGA	Gujarat
125	Dr.	Dr Dweepna Garg	Computer Engineering	DEPSTAR, CHARUSAT	dweepnagarg.ce@charusat.ac.in	09601700945	C-201 Rutupearl Flats, Opp. Kalyan Bagh garba ground, Nr. Pranav Society	Vadodara	Gujarat
126	Prof.	DISHA H. PAREKH	Computer Science and Applications	Indus University	disha.hparekh213@gmail.com	7990223661	IICT Department, Indus University, Rancharda, Ahmedabad, Gujarat.	Ahmedabad	Gujarat
127	Mr.	AMARTYA	Information Technology	Indian Institute of information technology Vadodara.	202052305@iiitvadodara.ac.in	9155511602	Near Saraiya block gate, Saraiya, 843126	Muzaffarpur	Bihar
128	Mr.	Raja safi	CSE	IIITVADODARA	202051151@iiitvadodara.ac.in	8450906647	CBD BELAPUR NAVI MUMBAI	NAVI MUMBAI, MAHARASTRA	MAHARASTRA
129	Mr.	Prasang Baria	IT	IIIT Vadodara	202052332@iiitvadodara.ac.in	9819522586	3/704 Sarvodaya Galaxy kopar west near kopar station	Dombivli	Maharashtra
130	Mr.	AMAN GANGWAR	Computer Science and Engineering	Indian Institute of Information Technology Vadodara	202051020@iiitvadodara.ac.in	9870750764	36 Astha, Sun City Vistaar	Bareilly	Uttar Pradesh
131	Ms.	NEHA RAJPUT	Civil Engineering	CSPIT, CHARUSAT	nehachauhan.cv@charusat.ac.in	09099027974	Civil Engineering Department, CSPIT	Changa	Gujarat
132	Ms.	SAHANI POOJA JAIPRAKASH	CSE	IIIT-VADODARA	202071001@iiitvadodara.ac.in	8128602550	SHREEPAD PANORAMA	SURAT	GUJARAT



**List of Registered Participants: GUJCOST sponsored a week STTP on "Research Perspective in Artificial Intelligence"**

Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
133	Mr.	VISHESH KUMAR SINGH	Computer Science and Engineering	Indian Institute of Information Technology Vadodara	202051201@iiitvadodara.ac.in	6388364108	Vill- Chauri Nidurpatti	Sant Ravidas Nagar	Uttar Pradesh
134	Mr.	TIRTH JOSHI	CSE	Indian Institute of Information Technology , Vadodara	202051193@iiitvadodara.ac.in	8780548517	A6 12 Alok 5, Vastral	Ahmedabad	Gujarat
135	Dr.	Dr.REBAKAH GEDDAM	CSE	Nirma University	rebakah.geddam@nirmauni.ac.in	9925010747	Gandhinagar	Gandhinagar	Gujarat
136	Dr.	DR POOJA CHATURVEDI	COMPUTER SCIENCE AND ENGINEERING	NIRMA UNIVERSITY AHMEDABAD GUJRAT	pooja.chaturvedi@nirmauni.ac.in	9918596994	NIRMA UNIVERSITY AHMEDABAD GUJRAT	AHMEDABAD	GUJRAT
137	Prof.	KRUPALI. DAVE	Computer	SVBIT	krupali.dave@bapugkv.ac.in	8733810488	Gandhinagar	Gandhinagar	Gujarat
138	Mr.	YASH	Computer Science	Indian institute of information technology Vadodara	202051205@iiitvadodara.ac.in	7850969492	38/34 KIRAN PATH	MANSAROVAR	Rajasthan
139	Mr.	AASHWIN RAJ	CSE	Indian Institute of Information Technology Vadodara	aashwinraj0257@gmail.com	7424961792	39B Dimna Basti,mango-831012	Jamshedpur	Jharkhand
140	Ms.	Rasika Linge	Electrical	SIE	deotar4492@gmail.com	9970588503	Vadodara	Vadodara	Gujarat
141	Prof.	RUPAL A. KAPDI	Computer Science and Engineering	Nirma University	rupal.kapdi@nirmauni.ac.in	9428488540	Sg Highway, Post:Chandlodia, Gota.	Ahmedabad	Gujarat
142	Mr.	Sachin Hiteshbhai Patel	Information Technology	Devang Patel Institute of Advance Technology and Research	sachinpatel.dit@charusat.ac.in	9662518952	Ahmedabad	ahmedabad	Gujarat

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Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
143	Prof.	MAHIT JAIN	Electrical Engineering	Sigma Institute of Engineering	mahit.el.engg@sigma.ac.in	7405573531	Sigma Institute of Engineering, Vadodara	Vadodara	Gujarat
144	Dr.	GANDHI PURNIMA CHETAN	Computer Science and Engineering	Institute of Technology, Nirma University	gandhi.purnima@nirmauni.ac.in	9737876285	C 7 Sudarshan tower, Nr new nikita park circle, thaltej 380054	Ahmedabad	Gujarat
145	Mr.	KIRTANKUMAR RAMNIKLAL RATHOD	Computer Science	Indus University	kirtanrathod.mca@indusuni.ac.in	9427950363	3 Swapnil Flat, Near Sharda Society, Paldi	Ahmedabad	Gujarat
146	Ms.	NAINA PARMAR	Computer Science Engineering	Devang Patel Institute of Advance Technology and Research	nainaparmar.dcs@charusat.ac.in	7567782979	CHARUSAT CAMPUS HOSTEL	CHANGA, ANAND	GUJARAT
147	Mr.	SWAPNIL RATHOD	Computer Science and Engineering	IIIT Vadodara	swapnil31098@gmail.com	9574092387	Sector22, Gandhinagar	Gandhinagar	GUJARAT
148	Prof.	PRINSA RATHOD	Electrical	Sigma Institute of Engineering	prinsarathod@gmail.com	9974149701	Bakrol ,050	Vadodara	Gujarat
149	Prof.	SHIVAM SHAILESHBHAI UPADHYAY	Information Technology	Sigma Institute of Engineering	shivam91092@gmail.com	9974076770	70 BRAHMPURI FALIYA AT POST POR	Vadodara	Gujarat
150	Ms.	Mohini Darji	Computer Science & Engineering	Devang Patel Institute of Advance Technology and Research	mohinidarji.dcs@charusat.ac.in	7874309453	A 28 Nimisha Tenament college road	Nadiad	Gujarat
151	Prof.	KHYATI K. MISTRY	Electronics and communications	Sigma Institute of engineering	khyati.ec.engg@sigma.ac.in	9725151295	Parmeshwar park society, Nizampura, Vadodara	Vadodara	Gujarat
152	Ms.	RITIKSHA MODI	IT	Charusat University	ritikshamodi.dit@charusat.ac.in	8490062098	Hostel 3 charusat University	Anand	Gujarat



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Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
153	Mr.	NITIN PRAHLADBHAIPATEL	Electronics and communications	Bhagwan Mahavir College of Engineering and Technology	registrar.bmcets@bmefcolleges.edu.in	9725037762	C103 Balaji Residency , Althan Bhimrad Canal Road ,Althan, Surat	Surat	Gujarat
154	Prof.	SHAH HEMALI B.	COMPUTER SCIENCE & ENGINEERING	NIRMA UNIVERSITY	shahhemali313@gmail.com	902836969	yamunakrupa building, 1st floor, manthale nagar, latur, maharashtra	Latur	Maharashtra
155	Ms.	PATEL BANSARI BHAVDIP	Computer Science and Engineering	Charusat University	bansaripatel.dcs@charusat.ac.in	9723385697	bansaripatel.dcs@charusat.ac.in	Anand	Gujarat
156	Dr.	Rajesh Tank	Civil Engineering	Om Institute of Technology	rct1955@gmail.com	09426272462	A-21 Govardhan Park 1	Vadodara	GUJARAT
157	Mr.	RIKIN RAJENDRA SHAH	EC	DDU, Nadiad	18ecuos083@ddu.ac.in	8200582716	08 RANGMANI SOCIETY NR MANIYASHA MANINAGAR	AHMEDABAD	GUJARAT
158	Mr.	SHAH YOMIL PARAGKUMAR	EC	DDIT	<a href="mailto:18ecuos071@ddu.ac.in">18ecuos071@ddu.ac.in</a>	9723753999	B 401 MAHALAXMI COMPLEX, NEW VIKAS GRUH ROAD, PALDI	AHMEDABAD	GUJARAT
159	Mr.	VISHAL HOTWANI	Computer Science and Engineering	IIIT Vadodara, Gandhinagar campus	202051087@iiitvadodara.ac.in	9879532402	A-28 Jay Harikrishna Society, Opp. Jawahar Colony, Sardarnagar	Ahmedabad	Gujarat
160	Mr.	RAGHVANI DEVANSHU KIRITBHAI	EC	DHARAM SINGH DESAI UNIVERSITY	18ecubg005@ddu.ac.in	8320318175	A/6 DESHVALI SOCIETY, NEAR UMIYA HALL, CHANDLODIA	AHMEDABAD	GUJARAT
161	Mr.	MADHUR GUPTA	Computer Science Engineering	Indian Institute of Information Technology Vadodara	202051112@iiitvadodara.ac.in	9340027053	D-27, Shalimar Garden, Kolar Road	Bhopal	Madhya Pradesh

**List of Registered Participants: GUJCOST sponsored a week STTP on "Research Perspective in Artificial Intelligence"**

Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
162	Mr.	VISHAL KUMAR SAHU	Information technology	Indian Institute Of Information Technology, (IIIT) Vadodara	vishalkumar.sahu04@gmail.com	8840337671	H.N. 96, Nogawna	Akbarpur, Ambedkar Nagar	Uttar Pradesh
163	Mr.	Jayvir Shah	Mechanical	Veerayatan Institute of Technology	jayvirgtu@gmail.com	+919426141944	Navapura, Mandvi-kachchh, pin-370465	Mandvi	Gujarat
164	Mr.	NILESH VADGAMA	ELECTRICAL	Veerayatan Institute of Engineering	vadgama.vgi@gmail.com	9429081163	C-55, IFFCO COLONY, UDAYNAGAR	Gandhidham, Kutch	GUJARAT
165	Prof.	Chetan Kishorbhai Solanki	Computer Engineering	C.K.Pithawala College of Engg and Tech., Surat	chetan.solanki@ckpcet.ac.in	9909409318	Near Malvan Temple, Via magdalla Port, Dumas Road, Surat	Surat	Gujarat
166	Ms.	SUSHMA PRAJAPATI	Computer Engineering	C.K.Pithawala College of Engineering and Technology	sushma.prajapati@ckpcet.ac.in	9265355516	C.K.Pithawala College of engineering and technology, Dumas Road, Surat	surat	gujarat
167	Prof.	NEELAM AMBELAL SURTI	Computer Engineering	C. K. Pithawala College of Engineering and Technology, Surat	neelam.surti@ckpcet.ac.in	9825912922	CKPCET, Surat	Surat	Gujarat
168	Prof.	HARSH KHODIDAS KAPADIA	Instrumentation and Control	Institute of Technology, Nirma University	harsh.kapadia@nirmauni.ac.in	9974415116	Institute of Technology, Nirma University, SG Highway, Ahmedabad	Ahmedabad	Gujarat
169	Prof.	JIMESH KUMAR MAHESH KUMAR RANA	COMPUTER ENGINEERING	Dr. Jivraj Mehta Institute of Technology	jimesh.rana@djmit.ac.in	9879787840	DJMIT Mogar	Anand	GUJARAT
170	Ms.	PATEL USHA	Computer Science and Engineering	Institute of Technology, Nirma University	ushapatel@nirmauni.ac.in	9879441095	IT,NU	Ahmedabad	Gujarat



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Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
171	Ms.	Chaudhary Minu	EC	Matrix Comsec Pvt. Ltd.	minuchaudhary06@gmail.com	7572867730	C-69 SAHAJANAND KRUPA SOC	VADODARA	GUJARAT
172	Dr.	ANKIT J. FALDU	MCA	Atmiya University	ankitfaldy@yahoo.com	9427979497	Atmiya University, Department of Computer Applications-MCA, Kalawad Road	Rajkot	Gujarat
173	Mr.	NIRAV H DESAI	Computer Science	D-UIAS AND D-SIM&C, VALSAD	nirav.d1983@gmail.com	8460543844	Angarika Society, behind Surya Complex, Gandevi-Navsari Road , Rahej, Gandevi. Ta- Gandevi, Dist - Navsari. 396360	Gandevi	Gujarat
174	Mr.	VALA NISARG KAMLESHKUMAR	ELECTRONICS AND COMMUNICATION	DHARMSIGH DESAI UNIVERSITY	20ecubg118@ddu.ac.in	6355406099	B-38,saidham society, Kishan samosa lane, College road, nadiad	NADIAD	GUJARAT
175	Prof.	SHREY MAHESHBHAI SHAH	MCA	Atmiya University	shrey.shah@atmiyauni.ac.in	9327633334	Sadbhavna residency, Kothariya road.	Rajkot	Gujarat
176	Ms.	DHRUVI D. GOSAI	Computer Engineering	Devang Patel Institute of Advance Technology and Research, CHARUSAT University	dhruvigosai.dce@charusat.ac.in	9978140131	Harikrushna Society,behind New bus stand	Vadtal	Gujarat
177	Mr.	VIRAL H. SHAH	Information Technology	DHARMSINH DESAI UNIVERSITY	viralshah.it@ddu.ac.in	9898118987	4 - Varnikunj, BH UCO Bank, VVNagar	Anand	Gujarat

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Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
178	Prof.	PARTH PRAKASHKUMAR BHAVSAR	MECHANICAL	Sigma Institute of Engineering, Vadodara	parth.prakash.mh.engg@sigma.ac.in	9427810176	A/32, Hari Om tenement, Rangvatika, Vrundavan Chokadi, Waghodiya Road	Vadodara	Gujarat
179	Mr.	DHAMELIYA ARPIT VIVEKBHAI	Electronics and communication	Dharmsinh Desai University	19ecuos022@ddu.ac.in	8758932875	Nadiad	Nadiad	Gujarat
180	Prof.	NISHABEN ASHWINKUMAR PANCHAL	Computer Engineering	DEPSTAR	nishapanchal.dce@charusat.ac.in	08460125030	7, Ramniya bhoomi, Karamsad	Anand	GUJARAT
181	Ms.	BINAL RAMESHBHAI PANCHOTIYA	INFORMATION TECHNOLOGY	Assistant Professor, Charotar University of Science and Technology	binalpanchotiya@charusat.ac.in	8238653561	Smt. Kundanben Dinsha Patel Department of Information Technology, CSPIT, Charusat, Changa, Anand, 388421.	Anand	Gujarat
182	Mr.	PATEL PREYASHKUMAR JAYESHBHAI	EC	DDU	preyash8980@gmail.com	7778072691	2, NISARAG BUNGLOWS, NR.SVAYMBHU HOSPITAL, VASTRAL, AHMEDABAD	AHMEDABAD	GUJARAT
183	Mr.	GOPANI PRINCE RASIKBHAI	Electronics and communication	Dharmsinh Desai University	princegopani200@gmail.com	9510802958	103, Gold star plus behind Eklavya school zanzarda road junagadh	Junagadh	Gujarat
184	Dr.	Dr. RACHNA PATEL	Computer Engineering	Chhotubhai Gopalbhai Patel Institute of Technology, Uka Tarsadia University	rachna.patel@utu.ac.in	09978150221	At & Post: Vankaner, Hirawadi, Tal: Bardoli	Surat	Gujarat



**List of Registered Participants: GUJCOST sponsored a week STTP on "Research Perspective in Artificial Intelligence"**

Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
185	Dr.	MUKESHKUMAR THAKORLAL PATEL	Mathematics	Department of Mathematics, Uka Tarsadia University	mukesh.mt@gmail.com	9998185392	At & Post Vankaner, Ta - Bardoli	Surat	Gujarat 394620
186	Ms.	SHAH RIDDHI JIGNESHBHAI	EC	Dharmsinh Desai University	20ecuos086@ddu.ac.in	6351232456	C-304	NADIAD	GUJARAT
187	Mr.	SODHAPARMAR JAYPAL BHALABHAI	EC - III	DHARAMSINH DESAI UNIVERSITY, NADIAD	20ecubg126@ddu.ac.in	7046403760	DANA PANI PURVATHNI TANKI AGAD, ANARA ROAD, KAPADWANJ, 387630	KAPDWANJ	GUJRAT
188	Ms.	SHITAL SHARMA	INFORMATION TECHNOLOGY	CHARUSAT	shitalsharma.dit@charusat.ac.in	6359383838	DEPSTAR, CHARUSAT, CHANGA	ANAND	GUJARAT
189	Dr.	RONAKKUMAR BABUBHAI PATEL	Computer Science	Indus Institute of Information and Communication Technology, Ahmedabad	ronakcjp@gmail.com	9904057885	87, Manipur Green Bungalows, Manipur Vad, Ahmedabad	Ahmedabad	Gujarat
190	Ms.	Riya Kakkar	Computer Science	Nirma University, Ahmedabad	21ftphde56@nirmauni.ac.in	9785289191	Prem Vihar Colony	Aklara	Rajasthan
191	Dr.	PURVANG DALAL	Electronics & Communication	Dharmsinh Desai University	pur_dalal.ec@ddu.ac.in	+919426033978	EC Department, DDU, Nadiad	Nadiad	Gujarat
192	Dr.	VINAY M THUMAR	Electronics and Communications	Dharmsinh Desai University, Nadiad	vinay_thumar@ddu.ac.in	8866233772	EC department. DDU	Nadiad	Gujarat
193	Dr.	MITESH J LIMACHIA	EC	Dharmsinh Desai University	mitesh.ec@ddu.ac.in	9898361511	Nadiad <sup>7</sup>	Nadiad	Gujarat
194	Ms.	AISHWARIYA BUDHRANI	Computer Science & Engineering	CHARUSAT	aishwariyabudhrani.dcs@charusat.ac.in	7698310155	36, Ganeshnagar Society	Godhra	Gujarat
195	Ms.	URVI Y BHATT	CSE	DEPSTAR - CHARUSAT	urviybhatts@gmail.com	7567922291	13 A Vimleshwar Society Subhanpura Vadodara	Vadodara	Gujarat

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Sr. No.	Salutation	Name	Branch	Affiliation	Email Address	Contact Number	Address for Correspondence	City	State
196	Mr.	AKASHKUMAR RAVINDRABHAI PATEL	Information Technology	Devang patel institute of Advance Technology and Research	akashpatel.dit@charusat.edu.in	9714402620	Umreth	Umreth, Anand	Gujarat
197	Ms.	Urvashi Chaudhari	Computer Engineering	Teaching cum research Assistant	urvashichaudhari88@gmail.com	09662288446	1, MANOHAR NAGAR SOCIETY,	NADIAD	Gujarat
198	Ms.	RITIKA JANI	IT	CHARUSAT	ritikajani.dit@charusat.ac.in	8460309577	6- tanvi banglows, uttarsanda, nadiad	nadiad	Gujarat
199	Ms.	VIDHI PANDYA	Computer Science & Engineering	Devang Patel Institute of Advance Technology and Research (DEPSTAR)	vidhipandya.ce@charusat.ac.in	9723162486	CHARUSAT, Changa	Anand	Gujarat
200	Prof.	BINAL KAKA	Computer Engineering	Assistant Professor	binalkaka.dce@charusat.ac.in	8238377751	Charusat University	Anand	Gujarat
201	Ms.	PRIYALBA VAGHELA	Computer Science and Engineering	DEPSTAR, CHARUSAT	priyalvaghela.dcs@charusat.ac.in	9408743059	DEPSTAR, CHARUSAT	Anand	Gujarat
202	Prof.	CHINTAL UPENDRA RAVAL	IT	CHARUSAT	chintalraval.dit@charusat.ac.in	9016156565	CHARUSAT CAMPUS	ANAND	GUJARAT
203	Mr.	HARSHIL JOSHI	Computer Science and Engineering	Charotar University of Science and Technology	<a href="mailto:mailto:harshil@gmail.com">mailto:harshil@gmail.com</a>	8128989597	CHARUSAT campus	Changa	Gujarat



# **REPORT ON ONE DAY WEBINAR ORGANIZED**

BY

**FACULTY OF TECHNOLOGY**

**AND**

**UNIVERSITY WOMEN CELL**

**IN ASSOCIATION WITH**

**COMEXPO CYBER SECURITY FOUNDATION**

***“Cyber Crime and It’s Prevention”***

One day Webinar on “Cyber Crime and It’s Prevention” was organized by Faculty of Technology and University Women Cell in association with Comexpo Cyber Security Foundation for the students and faculties of university on 08<sup>th</sup> October 2021 with an objective of making provision of opportunity to create awareness about the well spread of cyber crime in society and measures to be taken to prevent them and remain safe.

Speakers were invited from Comexpo Cyber Security Foundation for covering various aspects related to the issue.

Approximately 830 students and faculty members from Faculty of dental science, faculty of pharmacy, Faculty of Management and Information Science, Faculty of Commerce, Faculty of Technology and Faculty of Medical Science have attended the program.





**List of Participants (Pharmacy)**

Sr. No.	Participant	Name (In BLOCK LETTERS as required on certificate)	Branch	Semester
1	Student	AMIN REEMA RAKESHKUMAR	FOP	5
2	Student	ANERI PANCHAL	FOP	1
3	Student	ANJALI BHAGWANDAS TRILOKANI	FOP	3
4	Student	Anjleeruparel	FOP	3
5	Student	ARYAN HERANJWALA	FOP	1
6	Student	AYUSHI NILESHKUMAR MEHTA	FOP	3
7	Student	BALSARA ROSHNI HEMANTBHAI	FOP	3
8	Student	BHAKTI DEDAKIA	FOP	3
9	Student	BHALODIYA YATRI SUNILKUMAR	FOP	3
10	Student	CHAUHAN DHARUVI GAURANGKUMAR	FOP	7
11	Student	CHRISTIAN STUTI GARMON	FOP	3
12	Student	DABHI PUJA SUNILKUMAR	FOP	1
13	Student	DALSANIYA HET K.	FOP	3
14	Student	Darshan Modhpatel	FOP	5
15	Student	DAVARA MANTHAN RAVJIBHAI	FOP	1
16	Student	Desai Om	FOP	5
17	Student	DESAI PREYA ILESHBHAI	FOP	3
18	Student	DESAI RIPAL TUSHARBHAI	FOP	5
19	Student	DETROJA HEETKUMAR KIRITBHAI	FOP	5
20	Student	DEVYANI NAGMOTE	FOP	1
21	Student	DHARA PARMAR	FOP	5
22	Student	DHORAJIYA DHARMI BHARATBHAI	FOP	1
23	Student	Dhruv Sharma	FOP	1
24	Student	DHRUVI HITESHBHAI GANDHI	FOP	5
25	Student	Dhruvi Shah	FOP	5
26	Student	Dhwani Shah	FOP	3
27	Faculty	DINAL V PATEL	FOP	0
28	Student	DISHA SHAH	FOP	7
29	Student	Disha Ukani	FOP	1
30	Faculty	DR. CAROL P. MACWAN	FOP	
31	Student	GAUTMI UBHRANI	FOP	7
32	Student	GHATALIYA VIDHI H.	FOP	7
33	Faculty	GOPI SHAH	FOP	
34	Student	HAPPY RAJESHBHAI PATEL	FOP	7
35	Student	Harsh Kaushalbhaj Parikh	FOP	3
36	Student	Harsh Solanki	FOP	5
37	Student	HETA HIRENBHAI KATHIRIYA	FOP	3
38	Student	HIMANSHI	FOP	3
39	Student	Humera Zuned	FOP	1
40	Student	JADAV SHREYABEN HIMANSHUBHAI	FOP	7
41	Faculty	JENEE ROBERT CHRISTIAN	FOP	
42	Student	JOGANI KRUTI NARESHKUMAR	FOP	3
43	Student	KANERIYA RUTVIK BHARATBHAI	FOP	1
44	Student	KANJARIYA PRIYANKA	FOP	1
45	Student	Karnavat Abhay Bhagavanbhaj	FOP	5
46	Student	KATARIA HIMANI PANKAJKUMAR	FOP	5
47	Student	KEVALRAMANI JIYA SUNILKUMAR	FOP	3
48	Student	KHAN ILMA MOHAMMAD TARIQUE	FOP	1
49	Student	KHUSHI GOR	FOP	7
50	Student	Khushi Jignesh Patel	FOP	3
51	Student	KRISHNA PATEI	FOP	1
52	Student	Krunal Makwana	FOP	1
53	Student	KRUTI KETANBHAI PATEL	FOP	3
54	Student	LOJAL PATEL	FOP	7
55	Student	MARGI MAHESHBHAI BHUT	FOP	7

56	Student	MESHVA RAJENDRAKUMAR PATEL	FOP	1
57	Student	MISHA TILAKVALLABH GOSWAMI	FOP	7
58	Student	MONIK BAVADIYA	FOP	7
59	Student	Nakum Janak Rajabhai	FOP	5
60	Student	Navapariya vatsal ashokbhai	FOP	5
61	Student	NISHA YADAV	FOP	1
62	Student	PAREKH UNNATI	FOP	5
63	Student	PARMAR KOMAL B.	FOP	3
64	Student	Parmar Selina Sirilbhai	FOP	1
65	Student	Parmar Tusharkumar Tribhovanbhai	FOP	1
66	Student	Patel Avani Manishbhai	FOP	5
67	Student	PATEL BHARGAV MINESHKUMAR	FOP	5
68	Student	Patel Dhruvinkumar Hitendrabhai	FOP	3
69	Student	PATEL DISHABEN VIRENDRABHAI	FOP	7
70	Student	PATEL DIYA VASANTKUMAR	FOP	3
71	Student	Patel Harshkumar Dineshbhai	FOP	3
72	Student	PATEL KHUSH ALPESHKUMAR	FOP	5
73	Student	PATEL KHUSHBU PRAVINBHAI	FOP	7
74	Student	Patel Khushi Rakeshbhai	FOP	3
75	Student	PATEL KIRTAN DHARMESH KUMAR	FOP	1
76	Student	PATEL KRISHA KIRTANKUMAR	FOP	1
77	Student	PATEL KRUTI JAYANTIBAH	FOP	5
78	Student	PATEL NANDINI HEMANTKUMAR	FOP	7
79	Student	PATEL NIDHI NILESHBHAI	FOP	3
80	Student	PATEL NIDHI VIJAYBHAI	FOP	5
81	Student	Patel Nikeeta Vishnubhai	FOP	5
82	Student	PATEL TIRTH NILESHBHAI	FOP	1
83	Student	PATEL TISHA	FOP	1
84	Student	PATEL VANSHIKA	FOP	7
85	Student	Patel Vidhi Maheshkumar	FOP	5
86	Student	PATIL ANJALI	FOP	3
87	Student	Pavitra Patel	FOP	1
88	Student	PRACHI NARIYANI	FOP	7
89	Student	PRAJAPATI MANSI SUNILKUMAR	FOP	3
90	Student	PRANJALI DAVE	FOP	1
91	Student	RANA ESHA BHAVESHBHAI	FOP	5
92	Student	RANA MAITRI KIRANSINH	FOP	1
93	Student	Richa Prajapati	FOP	7
94	Student	ROMA PRAVINKUMAR PATEL	FOP	5
95	Student	RUTVIK PATEL	FOP	7
96	Student	Satyam Rajnikant Kotak	FOP	3
97	Student	SAVALIA RUTVA VASANTBHAI	FOP	3
98	Student	SENGAL HARSHKUMAR DINESHBHAI	FOP	1
99	Student	SHAH DRUSHTI VIMALKUMAR	FOP	5
100	Student	Shah Samkit Hiteshkumar	FOP	5
101	Student	SHAH SHLESHA PALKESH	FOP	5
102	Student	SHASTRI HARSHILKUMAR PANKAJKUMAR	FOP	7
103	Student	Shifa . Maksudbhai . Sindhi	FOP	5
104	Student	SHIVANGI R GOR	FOP	7
105	Student	SHREYA V. PATEL	FOP	5
106	Student	SHRUTI ASHVINKUMAR BAPODRA	FOP	3
107	Student	Shruti Prakashbhai Shah	FOP	5
108	Student	SHRUTI VYAS	FOP	7
109	Student	SODHAPARMAR HEMANGINI VIKRAMSINH	FOP	5
110	Student	SOUMYA MOHAN NAIR	FOP	5
111	Student	Suthar Aesha Ashokkumar	FOP	3
112	Student	SUZAN CHRISTIAN	FOP	1
113	Student	Tanvi Nagrani	FOP	7
114	Student	TARUN YADAV	FOP	3



115	Faculty	TEJAL SONI	FOP	NA
116	Student	THAKKAR MARGI AMRISHBHAI	FOP	1
117	Student	Trivedi vedant sanjaykumar	FOP	5
118	Student	TUSHAR RANCHHODBHAI MAKWANA	FOP	5
119	Student	UKANI DISHA	FOP	1
120	Student	VAGHELA YASHPALSINH DHARMENDRASINH	FOP	3
121	Student	VAISHAKHI D MAHIDA	FOP	5
122	Student	VALA DIPALIBEN CHANDRAKANT	FOP	7
123	Student	VASAVA VISHAL MAHENDRABHAI	FOP	3
124	Student	Vibhooti Rajendrabhai Patel	FOP	3
125	Student	VIDHI DESAI	FOP	1
126	Student	VISHWA THAKOR	FOP	5
127	Student	YASH CHAUHAN	FOP	3
128	Student	YESHA FULETRA	FOP	7
129	Student	YOGINI SHAILESH KUMAR PATEL	FOP	1
130	Student	ZEEL PATEL	FOP	5

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**List of Participants (Hotel Management)**

Sr. No.	Participant	Name (In BLOCK LETTERS as required on certificate)	Branch	Semester
1	Student	Dave manankumar krushneshkumar	HM	4
2	Student	MIHIR PANDYA	HM	3
3	Student	RIDDHI DHARMESH DESAI	HM	5
4	Faculty	SHAH POOJA ARPIT	HM	
5	Student	SHAIKH MOHD FAIZAN IMTIYAZBHAI	HM	5

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Gender
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**List of Participants ( Dental Science)**

Sr. No.	Participant	Name (In BLOCK LETTERS as required on certificate)	Branch	Semester
1	Faculty	Dr Barkha idnani	FDS	Not applicable
2	Faculty	DR. FARHIN SAIYED	FDS	
3	Faculty	dr. hetul j patel	FDS	
4	Faculty	DR. MEGHNA PUJARA	FDS	
5	Faculty	DR.SHALINI GUPTA	FDS	
6	Student	HANISHA PATEL	FDS	Internship
7	Student	jani Pranjani	FDS	2
8	Student	Mansi Kikani	FDS	4
9	Student	Patel pratikkumar pravinbhai	FDS	Internship
10	Student	PRANJAL MAJMUDAR	FDS	4
11	Student	RUSHITA MORADIYA	FDS	3
12	Student	Zeel Mukund Shah	FDS	Interm

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**List of Participants (Electronics & Communication Department)**

Sr.No.	Participant	Name (In BLOCK LETTERS as required on certificate)	Branch	Semester
1	Student	A. Harshvardhan Giri	EC	7
2	Student	Ayush oza	EC	7
3	Student	DEVANSHI CHAUHAN	EC	7
4	Student	Harshil Tank	EC	
5	Student	HETVI SHAH	EC	3
6	Student	KAPADIYA DIVYESH RAMESHBHAI	EC	3
7	Student	PARMAR PARTHVI	EC	5
8	Student	PATEL BHAVESH TALASHIBHAI	EC	7
9	Student	PATEL DHYANAM HITEN	EC	3
10	Student	PATEL RUDRA NITINKUMAR	EC	7
11	Student	RAGHVANI DEVANSHU KIRITBHAI	EC	7
12	Student	RUSHIKUMAR N BHATT	EC	3
13	Faculty	SHITAL THAKKAR	EC	
14	Student	SHLOKA JAYESHKUMAR GANDHI	EC	3
15	Student	SHREY AWASTHI	EC	5
16	Student	THAKKAR DHURVI JITENDRAKUMAR	EC	3
17	Student	THAKKAR SHREYA MUKESHKUMAR	EC	3
18	Student	Ujama G. Shaikh	EC	7
19	Student	ZANKAT MEET NATHABHAI	EC	7

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**List of Participants (Instrumentation & Control Department)**

Sr. No.	Participant	Name (In BLOCK LETTERS as required on certificate)	Branch	Semester
1	Student	ADNAN VHORA	IC	5
2	Student	ANJALI SINGH	IC	5
3	Faculty	BODARA AVI BHARATBHAI	IC	5
4	Student	CHECHANI BHUMIKA DILIP	IC	5
5	Student	DASANI HEET JAYESH	IC	5
6	Student	DHVISHA N PATEL	IC	3
7	Student	HARSH KASUNDRA	IC	5
8	Faculty	HETA SHASHANK SHAH	IC	
9	Student	HITARTH LAKHTARIA	IC	5
10	Student	JAVIYA SHIV KAMLESHBHAI	IC	5
11	Student	JETHWA RAKSHIT	IC	5
12	Student	KHENI PARTHIV ASHVINKUMAR	IC	5
13	Student	KRUTIK PANKAJBHAI JOSHI	IC	5
14	Student	LAD JAY BHARATBHAI	IC	5
15	Student	MAKAWANA HARSHKUMAR JASHUBHAI	IC	5
16	Student	MUNGARA RAHUL JAYANTIBHAI	IC	5
17	Student	MUNJANI DHRUV PRAKASHBHAI	IC	5
18	Student	NANDANIYA PALAK PARESHBHAI	IC	3
19	Student	NISARG VEGAD	IC	5
20	Student	PARTH ATULBHAI KABARIA	IC	5
21	Student	PATEL CHAITANYA PRAKASHKUMAR	IC	5
22	Student	PATEL DIRDH PRAFULLKUMAR	IC	5
23	Student	PATEL KRUTIK AMISHBHAI	IC	5
24	Student	PATEL MEHUL SUBHASHCHANDRA	IC	5
25	Student	PRAGNENDRA GHARIA	IC	5
26	Student	PRAJAPATI VYOM MAHENDRABHAI	IC	5
27	Student	PRITIKA RADHAKRISHNAN	IC	5
28	Student	RATHOD JATIN DINESHBHAI	IC	5
29	Faculty	RINAL MISTRY	IC	
30	Student	SAIYAD ABDULFAIZ	IC	5
31	Faculty	SHWETA GAUR	IC	
32	Student	SMIT FEFAR	IC	5
33	Student	SMIT MAHENDRABHAI SANGANI	IC	5
34	Student	SUNNY GADHIYA	IC	5
35	Student	SURVE YASHASVI JAYENDRA	IC	5
36	Student	VACHHANI PAREEN SANJAYBHAI	IC	5
37	Student	VRAJESH RANA	IC	7

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**List of Participants (Chemical Engg. Department)**

Sr. No.	Participant	Name (In BLOCK LETTERS as required on certificate)	Branch	Semester
1	Student	BHARVADIYA MUKESH	CH	5
2	Student	BHAVIN GOPALBHAI RIBADIYA	CH	7
3	Student	BIHOLA DHANRAJSINH BHIKHUSINH	CH	5
4	Student	DHAYANI PARTH PRAVINCHANDRA	CH	7
5	Faculty	Dipali N. Shah	CH	
6	Faculty	DR. KRISHNA CHAUHAN	CH	
7	Student	GOSWAMI HARIOM NARENDRAGIRI	CH	5
8	Student	HARSH DALAL	CH	7
9	Faculty	HITESH N PANCHAL	CH	
10	Faculty	JIVANI JAYDEEP M.	CH	
11	Student	KRUSHNANG DHARMENDRA JOSHI	CH	5
12	Student	LIMBACHIYA BRIJESHKUMAR UMESHBHAI	CH	5
13	Student	LUHARIYA ANJALI JAYANTIBHAI	CH	5
14	Student	Nitesh m bhil	CH	7
15	Student	PANDYA DEV UMESHBHAI	CH	3
16	Student	PARMAR SMITKUMAR SHANTILAL	CH	7
17	Student	PATEL HEMANGKUMAR KAMLESHBHAI	CH	5
18	Student	PATEL OM Y	CH	
19	Student	PATEL VEDANT HITESHKUMAR	CH	3
20	Student	Pipariya Vivekkumar Karamshibhai	CH	3
21	Student	PIYUSH MAKDIYA JASABHAI	CH	7
22	Student	PRAJAPATI HARSHKUMAR SHANTILAL	CH	3
23	Student	RANA RAJKUMAR	CH	5
24	Student	RAVAL HARSHIV DEVVRATBHAI	CH	7
25	Student	SAVAJ ARYAN NARESHBHAI	CH	3
26	Student	SHIV PATEL	CH	5
27	Student	SIDDHARTH DHRUMANBHAI DHRUV	CH	5
28	Student	SMIT VINAYKUMAR BHATT	CH	3
29	Student	SOHAM SURESHBHAI PRAJAPATI	CH	3
30	Student	SUTHAR JAYNIL JITENDRAKUMAR	CH	3
31	Student	TADVI MEHULKUMAR NATVARBHAI	CH	5
32	Faculty	VAIDEHI PARIKH	CH	
33	Student	VARU KISHAN	CH	7
34	Student	VIHIR MAYURKUMAR MODI	CH	5

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**List of Participants (MBA Department)**

Sr. No.	Participant	Name (In BLOCK LETTERS as required on certificate)	Branch	Semester
1	Student	ADIT PARIKH	MBA	1
2	Faculty	AGNYA PATEL	MBA	
3	Student	AJMERI JANVI ASHOKBHAI	MBA	1
4	Student	AMISHA SANGANI	MBA	1
5	Student	ANJALI PARMAR	MBA	1
6	Student	APURVA SIROYA	MBA	1
7	Student	Asha Piprotar	MBA	3
8	Student	AYUSHI JALKHARE	MBA	1
9	Student	BANSAL HINGU	MBA	1
10	Student	BHAGIRATH MAHENDRA PARMAR	MBA	1
11	Student	Bhaskar Jha	MBA	1
12	Student	BHATT ISHAN DINESHKUMAR	MBA	3
13	Student	BHAVSAR VAISHNAVI ROMESHKUMAR	MBA	1
14	Student	Chandni Karia	MBA	3
15	Student	DARJI VISHA RAJESHKUMAR	MBA	1
16	Student	DAVE ALPESH RAMESHKUMAR	MBA	1
17	Student	DAVE HETVI DEVEN	MBA	3
18	Student	Dharmik Karkar	MBA	3
19	Student	DUBEY RIYA AVADHESH	MBA	1
20	Student	GOSWAMI KRISHNA B	MBA	1
21	Student	HARSHIL ZAVERI	MBA	1
22	Student	HEENA LOKWANI	MBA	1
23	Student	HETVI KAKKAD	MBA	1
24	Student	HIMANI AMIN	MBA	3
25	Student	JAGANNATH PANDA	MBA	1
26	Student	Jani Jaykumar Mukeshbhai	MBA	3
27	Student	Jatin Sorathiya	MBA	3
28	Student	JAY HITESHKUMAR SHAH	MBA	1
29	Student	JHANVI MAHEHSHKUMAR WADHWANI	MBA	1
30	Student	JHANVI MUNDRA	MBA	1
31	Student	Jinika Patel	MBA	3
32	Student	Kairav Buch	MBA	3
33	Student	KARAN SURESHKUMAR VIRVANI	MBA	1
34	Student	KASHISH JAYESH PANDE	MBA	1
35	Student	KHUSHBU V. RATHI	MBA	3
36	Student	KRUTI SHAH	MBA	1
37	Student	KUNIKA ISHWARBHAI SISODIA	MBA	1
38	Student	MALVI PATEL	MBA	3
39	Student	MAMTA TAILI	MBA	1
40	Faculty	MANSI RAMESHCHANDRA RATHOD	MBA	
41	Student	MAYANK JAMNADAS BUMTARIYA	MBA	3
42	Student	MEET ROHIT	MBA	3
43	Student	MEHTA HELEE BHAVANISHANKAR	MBA	3
44	Student	Miral	MBA	1
45	Student	Mit Kalpesh JATANIA	MBA	3
46	Student	NAKRANI RUTVIK SURESHBHAI	MBA	1
47	Student	NIMIT MITESHKUMAR GANDHI	MBA	1
48	Student	NIRALI KUBAVAT	MBA	1
49	Student	PARIKH MARGI JIGNESHKUMAR	MBA	1
50	Student	PARMAR DHWANI ANILKUMAR	MBA	1
51	Student	PRJAPATI PRANAV SUNILKUMAR	MBA	3
52	Student	RANIA PATHAN	MBA	1
53	Student	Raval mihir k	MBA	1
54	Student	Richa	MBA	3
55	Student	SARJANI SALONI DHIRAJKUMAR	MBA	1
56	Student	SHAH AVANI TUSHARKUMAR	MBA	3



57	Student	SHAH KOMAL RAMESHBHAI	MBA	1
58	Student	SHRIYA GOR	MBA	1
59	Student	SOLANKI DEEP V.	MBA	1
60	Student	TWINKLE CHAUHAN	MBA	1
61	Student	VAIBHAV	MBA	1
62	Student	Vakil prachi Manishbhai	MBA	3
63	Student	VARMORA PRIYANKA HARISHBHAI	MBA	3
64	Student	Vinit Gokani	MBA	1
65	Student	VRAJ S SODHA	MBA	1
66	Student	YASHWI UMESHCHANDRA TANK	MBA	3
67	Student	AAYUSHI KETANKUMAR BHAVSAR	MBA	1
68	Student	Avi chandmal shah	MBA	1
69	Student	PARMAR GAYATRI PRAKASHKUMAR	MBA	3
70	Student	RANA SALONI PRAVINBHAI	MBA	3

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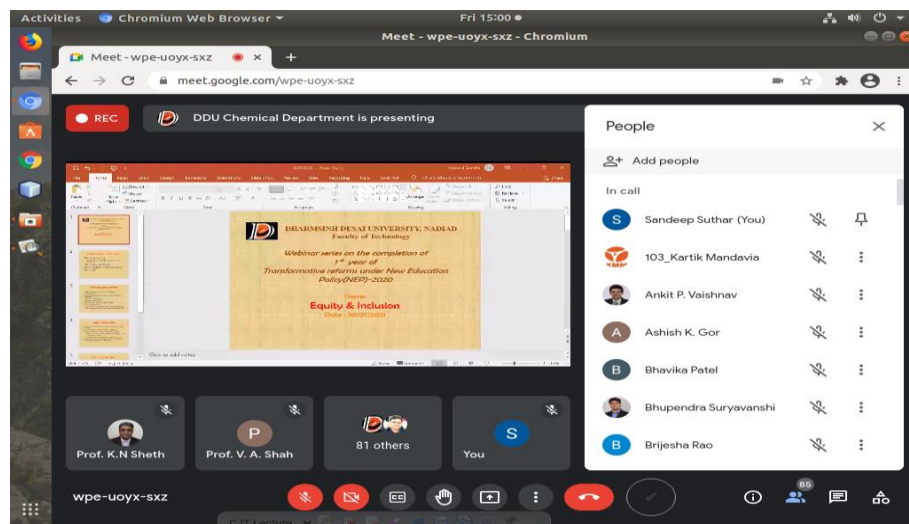
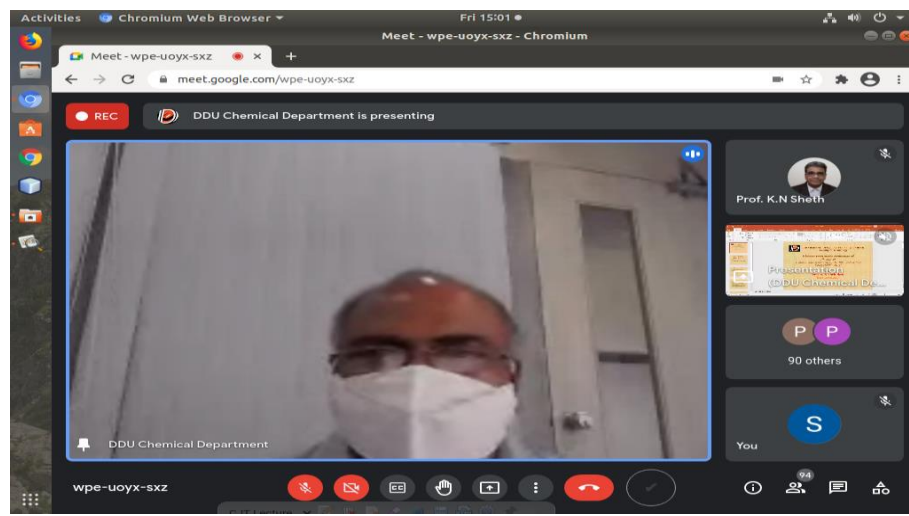
Action report on Theme based webinar series on completion of the 1 year of Transformative reforms under New Education Policy(NEP)-2020

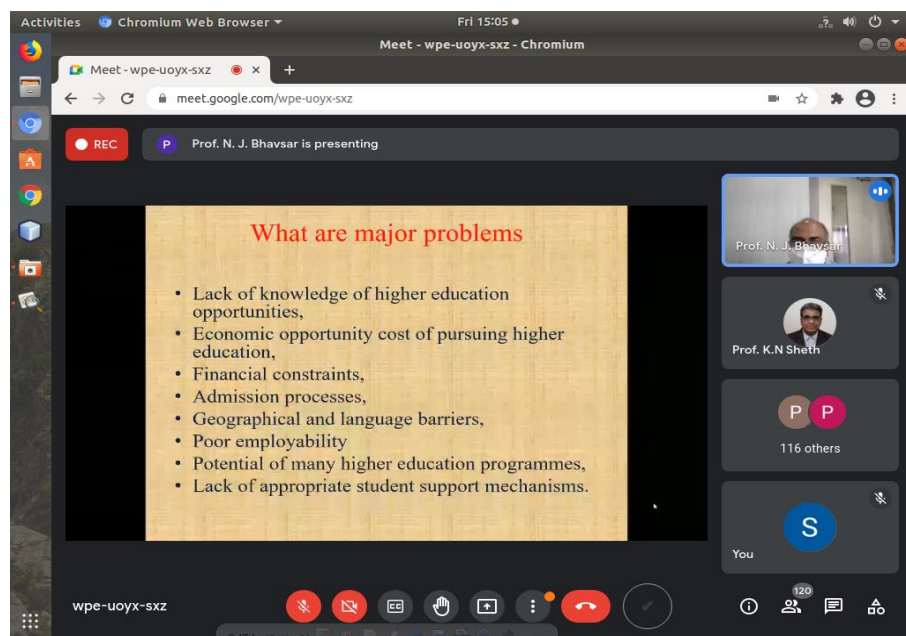
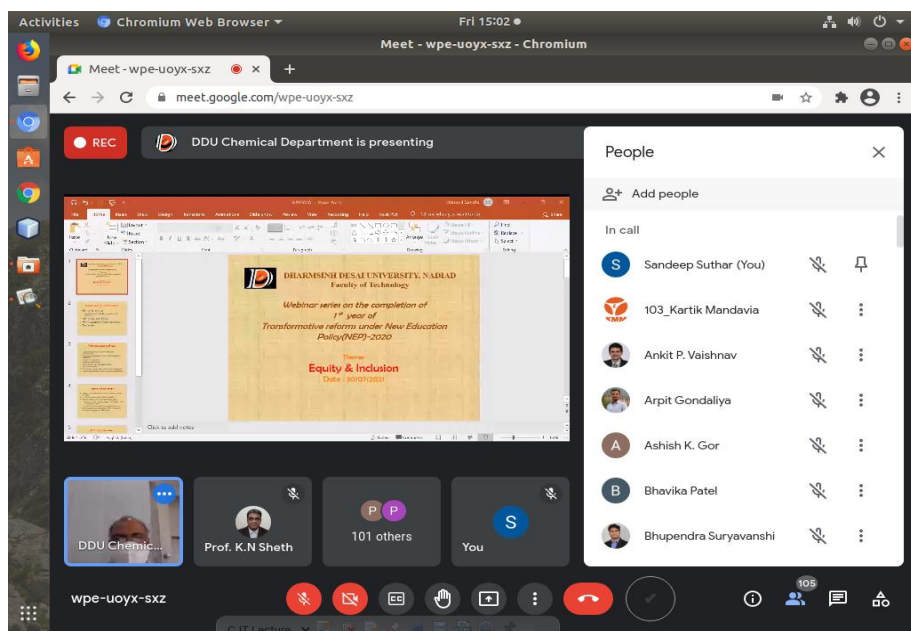
Sr. No.	Date	Theme	Name of the activity organized at institute level (Based on Theme)	Total No. of student participated	Total No. of Faculty members participated	Description of the activities
1	30.07.21	Equity & Inclusion	Webinar with the title “Equity and Inclusion ” was organized	0	120	Dr. M.S.Rao delivered the talk
2	02.08.21	Multidisciplinary & Holistic Education	Webinar with the title “Multidisciplinary & Holistic Education” was organized	0	111	<u>Dr. Nikhil Kothari has delivered the talk</u>
3	03.08.21	Skill, Entrepreneurship Development & Employability: Challenge and Opportunities	Webinar with the title “Skill, Entrepreneurship Development & Employability: Challenge and Opportunities” was organized	0	102	<u>Dr. B.S.Bhatt has delivered the talk</u>
4	04.08.21	Effect of NEP on Youth Empowerment And Sports Development	Webinar with the title “Effect of NEP on Youth Empowerment And Sports Development” was organized	0	102	<u>Dr. V.G.Gandhi has delivered the talk</u>
5	05.08.21	Indian Knowledge System, Languages, Arts and Culture	Webinar with the title “Indian Knowledge System, Languages, Arts and Culture ” was organized	0	96	<u>Dr Chetan S Bhatt, Dean placement and industry institute interaction has delivered the talk on 6/8/21</u>
6	06.08.21	Quality Education, Accreditation	Webinar with the title “Quality Education, Accreditation And Teacher Development ” was organized	0	104	<u>Dr. C K Bhansdadia, Dean accreditation and approvals has delivered the talk</u>

		And Teacher Development				
7	09.08.21	Research Innovation And Ranking	Webinar with the title “Research Innovation And Ranking” was organized	0	70	<u>Dr H.S.Mujumadar, Dean R&amp;D has delivered the talk</u>
8	10.08.21	Use Of Technology In Education	Webinar with the title “Use Of Technology In Education ” was organized	0	90	<u>Dr. Purvang Dalal, Dean IT and net working has delivered the talk</u>

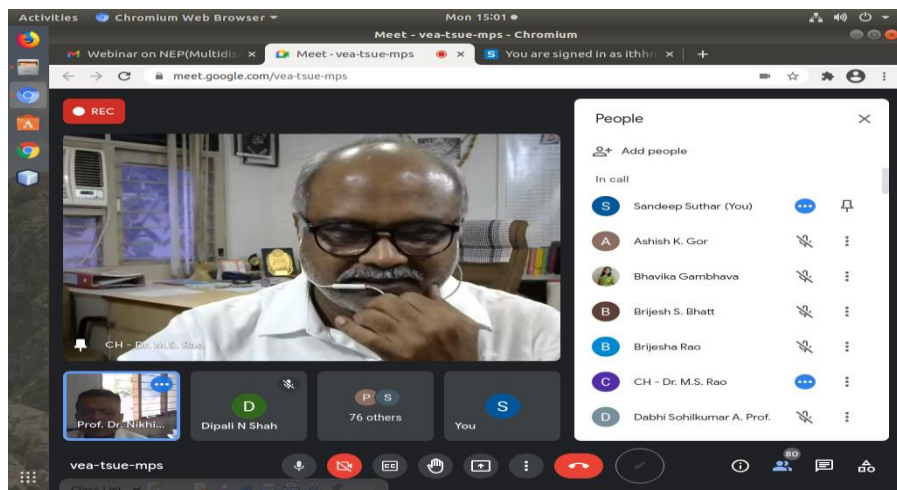
### Photos of the event as based on Theme

#### 30.07.21 : Equity & Inclusion

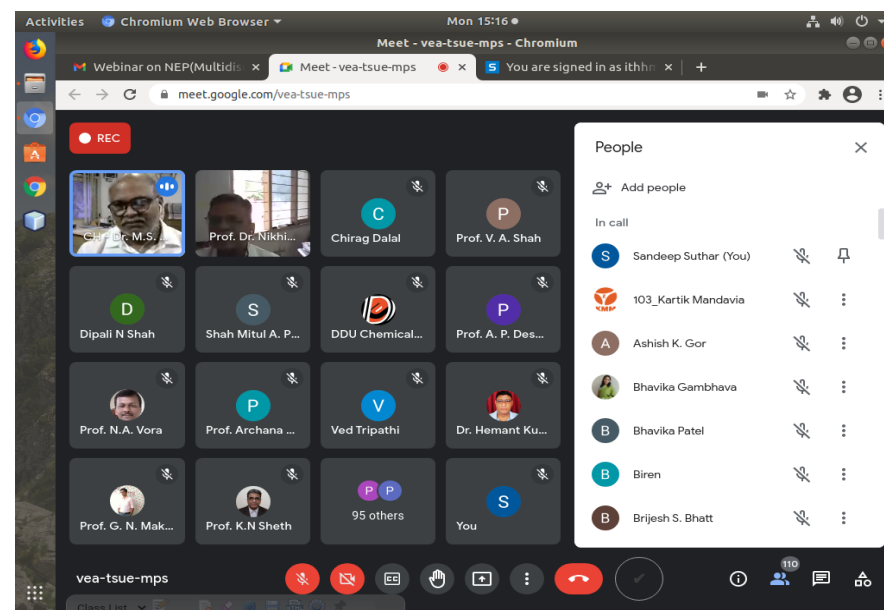
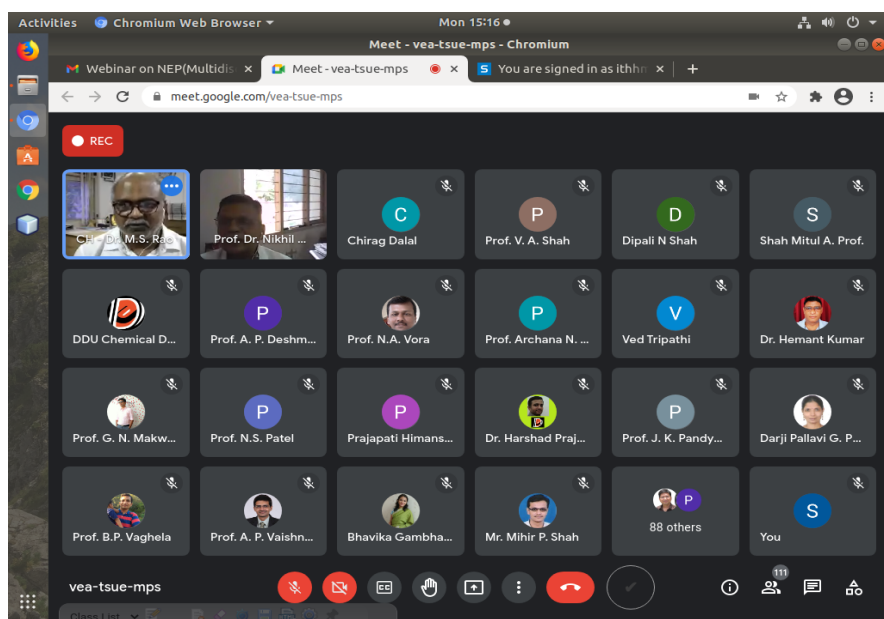




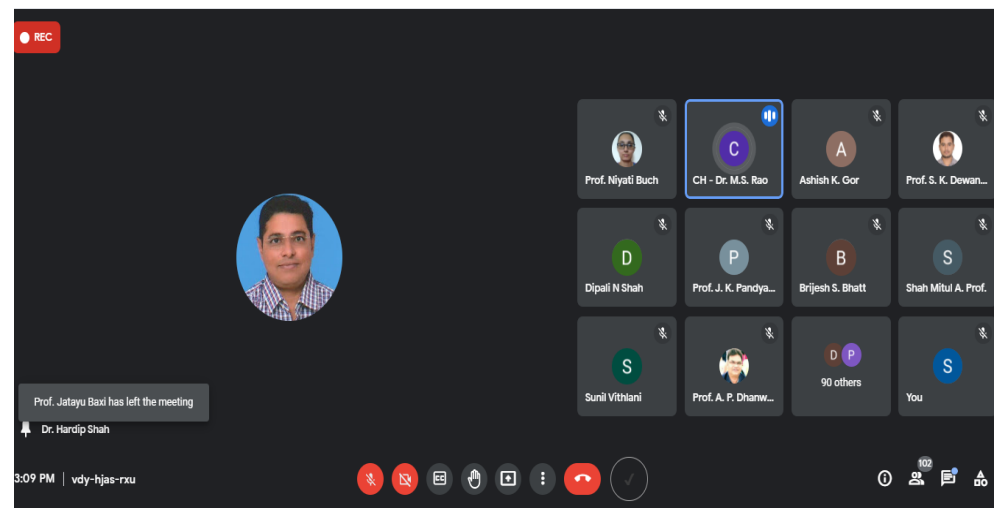
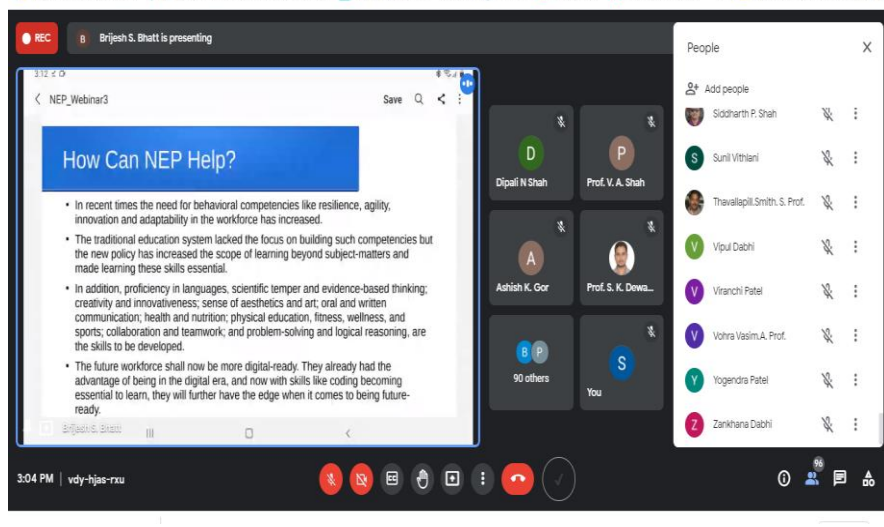
## 02.08.21: Multidisciplinary & Holistic Education



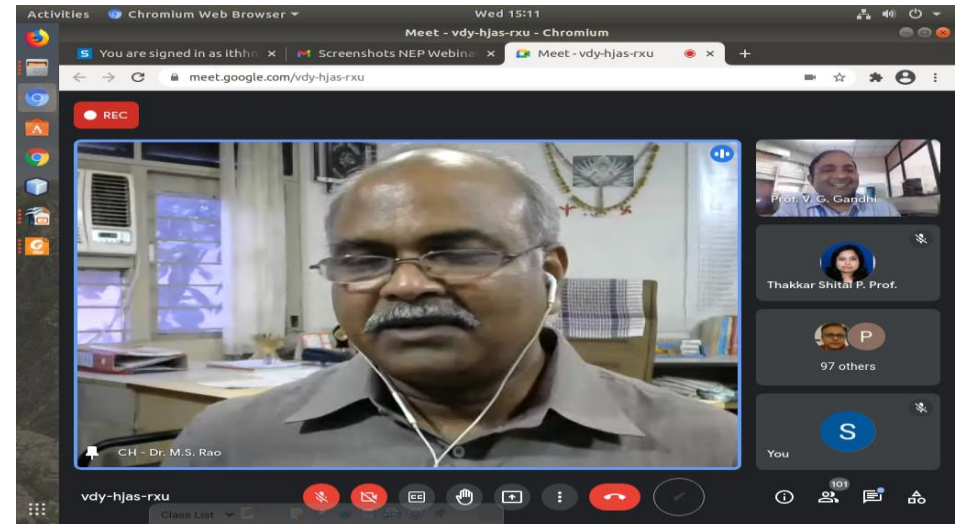




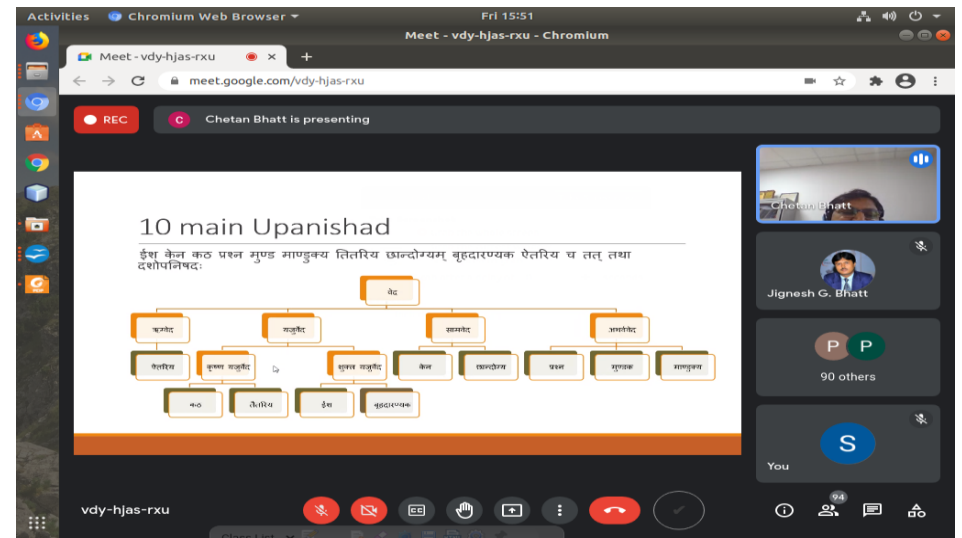
### 03.08.21 : Skill, Entrepreneurship Development & Employability: Challenge and Opportunities



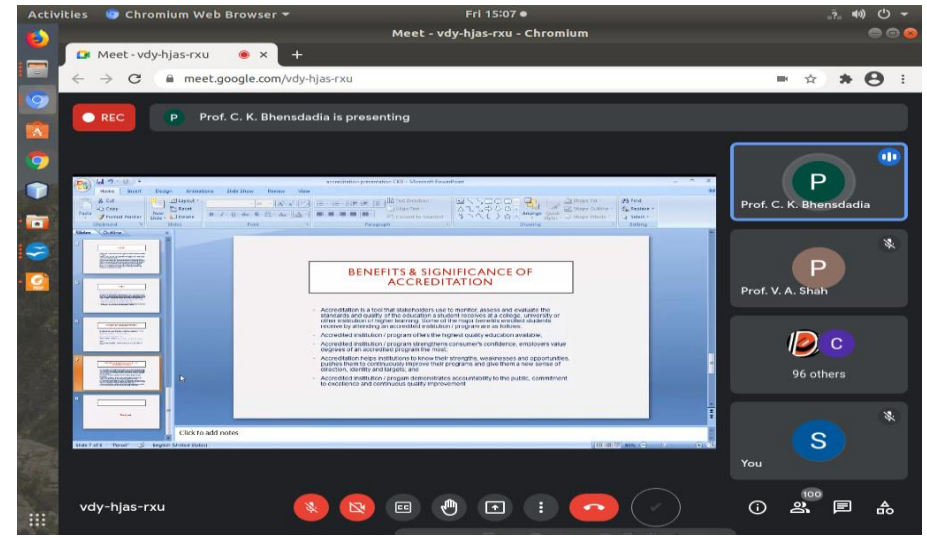
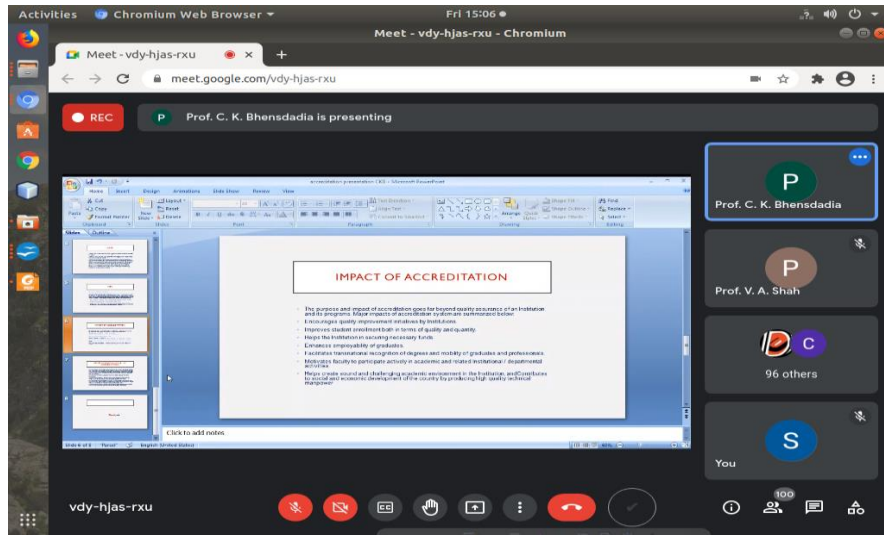
## 04.08.21 : Effect of NEP on Youth Empowerment And Sports Development



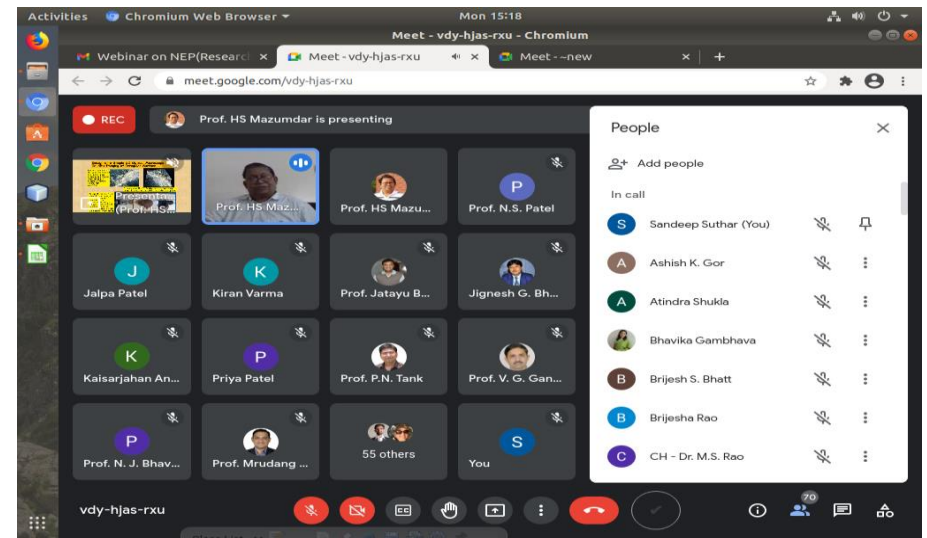
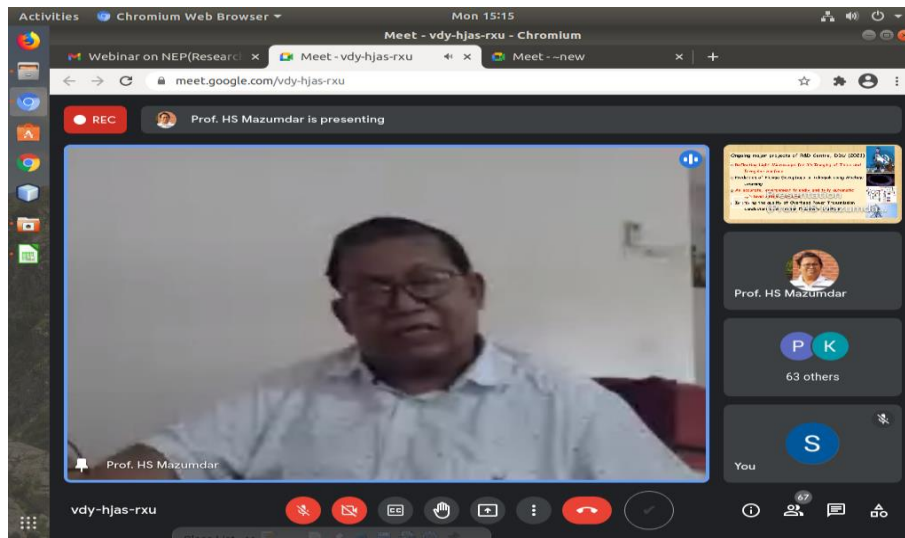
## 05.08.21 : Indian Knowledge System, Languages, Arts and Culture



### 06.08.21 : Quality Education, Accreditation And Teacher




### 09.08.21 : Research Innovation And Ranking





## 10.08.21 : Use Of Technology In Education

<p><b>National Educational Technology Forum (NETF)</b> Learning, Assessment, Planning, Administration.</p> <p><b>Aim</b></p> <p>To facilitate decision making on the induction, deployment, and use of technology, by providing the latest knowledge and research as well as the opportunity to consult and share best practices.</p> <p><b>NETF functions</b></p> <ul style="list-style-type: none"><li>a) provide independent evidence-based advice on technology-based interventions;</li><li>b) build intellectual and institutional capacities in educational technology;</li><li>c) envision strategic thrust areas in this domain; and</li><li>d) articulate new directions for research and innovation.</li></ul>	 Purvang Dalal
Use of Technology in Education	

<p><b>Digital India Campaign</b></p> <p>To transform the entire nation into a digitally empowered society &amp; knowledge economy.</p> <p>Education will play a critical role in this transformation. Technology will play an important role in the improvement of educational processes and outcomes;</p> <p>Explosive pace of technological development creativity of tech-savvy teachers and entrepreneurs</p> <p>Relationship between Technology and Education at all levels is bidirectional.</p>	 Purvang Dalal
Use of Technology in Education	



**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**Blood culture collection Training by Department of Microbiology in collaboration with  
Becton Dickinson (BD)**


**Date :-09-05-2022**

**To All The Doctors Nursing Staff & Phlebotomists Working At NDDFMSR**

This is to inform that there will be training on Blood culture collection technique organised by the department of Microbiology on 19.05.2022. This training will be conducted by the Senior Application Specialist – Swati Malavde , Dr.Jigar Gusani (HOD Microbiology) & Dr.Purvi Khristi (ICO) on 19.05.2022 from 1.0 PM to 3.30 PM, at Lecture hall No.1 college building. It is mandatory for all the Doctors, Nursing staff & Phlebotomists working at Dr.N D Desai Hospital to attend this training and certificate of participation will be given to each participants.

  
Dean

  
Med superintendent/Additional Med Superintendent

  
HOD Microbiology



**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**BLOOD CULTURE COLLECTION TRAINING**

**BLOOD CULTURE COLLECTION TRAINING REPORT, NDDH**

**DATE :- 19-05-2022**

**VENUE :- LECTURE HALL 1**

**TIME :- 1.00 PM TO 3.30 PM**

**PARTICIPANTS :- TEACHING STFF -06**

**NON TEACHING STAFF -84**

**TOTAL PARTICIPANTS – 90**

**SPEAKERS :- Swati Malavde ( Senior Application specialist BD)**

**Dr.Jigar Gusani ( HOD Microbiology)**

**Dr.Purvi Khristi ( ICO)**





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**BLOOD CULTURE COLLECTION TRAINING**





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**BLOOD CULTURE COLLECTION TRAINING**





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**BLOOD CULTURE COLLECTION TRAINING**







**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**BLOOD CULTURE COLLECTION TRAINING**





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**BLOOD CULTURE COLLECTION TRAINING**



**Programme Report**  
**on**  
**Guest Lecturer on “Current Requirements for BA/BE study”**

1	Organized By	Faculty of Pharmacy, Dharmsinh Desai University, Nadiad.
2	Date	24 <sup>th</sup> September 2022
3	No of Participants	B.Pharm (35 students) & M.Pharm (17 students)
4	Programme Co-ordinators	Dr. Vipul T Prajapati
Social Media Promotion		
5	Twitter Link	<a href="https://twitter.com/Fop_ddu/status/1574357775613775872">https://twitter.com/Fop_ddu/status/1574357775613775872</a>
6	Facebook Link	<a href="https://www.facebook.com/FOPDDU2006/posts/pfbid0AiDkB3ivwuhxLWGviZZ9pfqGxwDentHKcw1DUVRce3tN1iC3dqT5ZtgG9Un2bZkZl">https://www.facebook.com/FOPDDU2006/posts/pfbid0AiDkB3ivwuhxLWGviZZ9pfqGxwDentHKcw1DUVRce3tN1iC3dqT5ZtgG9Un2bZkZl</a>
7	Instagram Link	<a href="https://www.linkedin.com/posts/fopddu2006_seminar-on-current-trends-in-babe-study-activity-6980123480394485761-XIYh?utm_source=share&amp;utm_medium=member_desktop">https://www.linkedin.com/posts/fopddu2006_seminar-on-current-trends-in-babe-study-activity-6980123480394485761-XIYh?utm_source=share&amp;utm_medium=member_desktop</a>

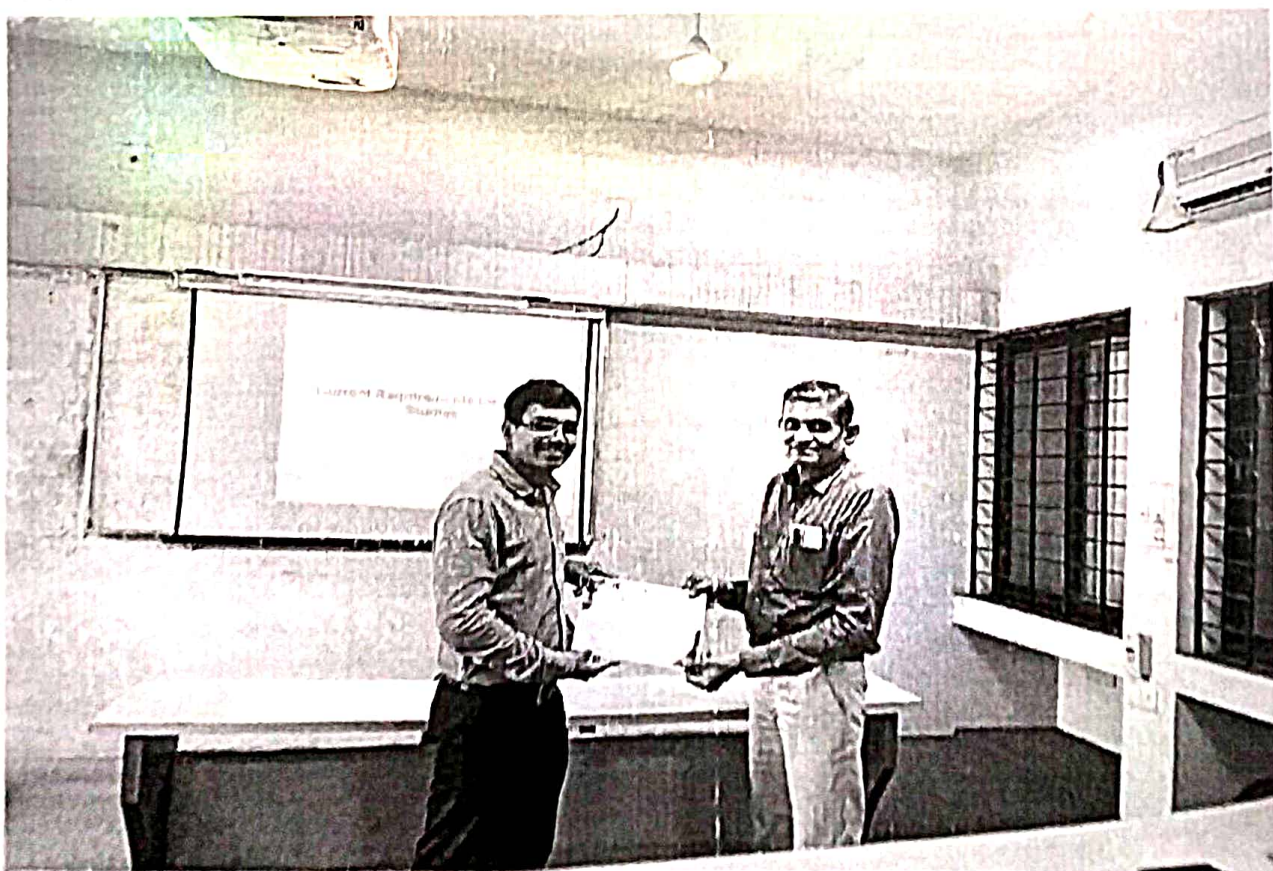
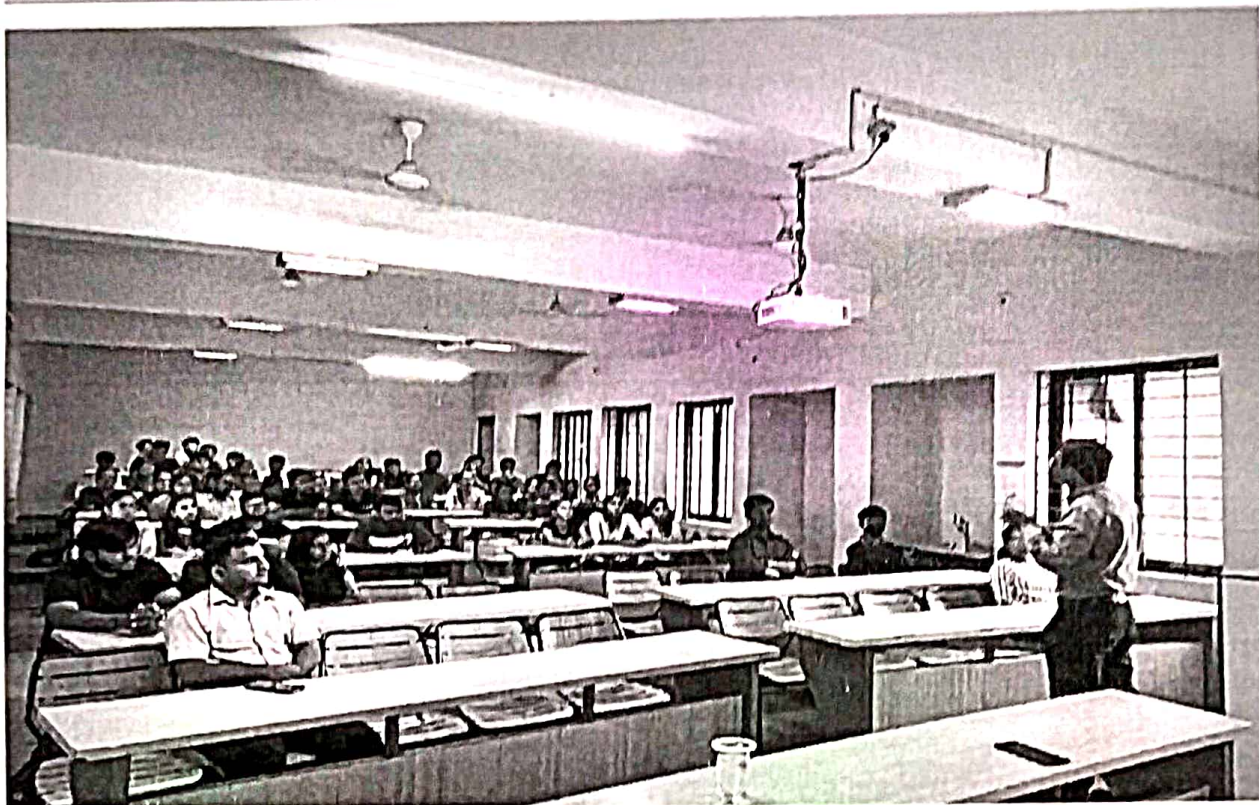
**Programme/Event Summary**

Guest lecture was scheduled on 24<sup>th</sup> September, 2022, by Faculty of Pharmacy, Dharmsinh Desai University. The Topic was delivered by Dr. Haresh Patel, Senior Manager, Pharmacokinetic department, Sun Pharmaceutical industry Ltd., Vadodara on the topic of lecturer on “Current Requirements for BA/BE Study” the session was started at 10:00 am. Total 52 students from V semester B. Pharm and from I & III semester M. Pharm and faculty members were present in that session. During the lecture, design and population of BE study, were discussed by Dr. Haresh Patel, he also talked about pilot vs pivotal study and sample size determination for bioequivalence and BE study conduct as per GCP, GLP and applicable guidelines. Lastly he also spoke about knowledge assessment of plasma conc. and time curve charts effectively. At the end of session the resource person certificate given to Dr. Harsh Patel by Dr. B N Suhagia.



**Faculty of Pharmacy  
Dharmsinh Desai University**

**Guest Lecturer Photograph**



**Name and Signature  
Programme Coordinators  
Dr. Vipul Prajapati**

**Seal of the Institute**

**Dr. Tejal G. Sont  
Dean and Convener**



# Faculty of Pharmacy Dharmsinh Desai University

## Student Attendance

Guest Lecture on "Current requirements for BA/BE study"

B. Pharm

5<sup>th</sup> Sem

Year: 2022-23

Roll No.	Semester	ID No.	Student Name	Sign.
PH043	5 <sup>th</sup>	20PHUBS063	Pooja Yash M	<i>[Signature]</i>
PH051	5 <sup>th</sup>	20PHBUS053	Yashu Tarun	<i>[Signature]</i>
PH015	5 <sup>th</sup>	20PHUBS067	Divya Patel	<i>[Signature]</i>
PH047	5 <sup>th</sup>	20PHUBS049	Shweta Bapal	<i>[Signature]</i>
PH027	5 <sup>th</sup>	20PHUBS026	Tusha Bapal	<i>[Signature]</i>
PH016	5 <sup>th</sup>	20PHUBS011	Divya Patel	<i>[Signature]</i>
PH019	5 <sup>th</sup>	20PHUBS019	Harshika Fauti	<i>[Signature]</i>
PH045	5 <sup>th</sup>	20PHUBS045	Rim Kapari	<i>[Signature]</i>
PH014	5 <sup>th</sup>	20PHUBS013	Umesh Patel	<i>[Signature]</i>
PH053	5 <sup>th</sup>	20PHUBS053	Rishi Patel	<i>[Signature]</i>
PH017	5 <sup>th</sup>	20PHUBS017	Rakhi Patel	<i>[Signature]</i>
PH051	5 <sup>th</sup>	20PHUBS051	Sushant Arora	<i>[Signature]</i>
PH034	5 <sup>th</sup>	20PHUBS034	Netima	<i>[Signature]</i>
PH031	5 <sup>th</sup>	20PHUBS031	Krunal Parikh	<i>[Signature]</i>
PH052	5 <sup>th</sup>	20PHUBS052	Ujjwal Patel	<i>[Signature]</i>
PH020	5 <sup>th</sup>	20PHUBS020	Gurpreet Chahal	<i>[Signature]</i>
PH044	5 <sup>th</sup>	20PHUBS044	Smit Jyani	<i>[Signature]</i>
PH054	5 <sup>th</sup>	20PHUBS054	Utkarsh Patel	<i>[Signature]</i>
PH011	5 <sup>th</sup>	20PHUBS011	Shweta Patel	<i>[Signature]</i>
PH021	5 <sup>th</sup>	20PHUBS021	Rishi Patel	<i>[Signature]</i>
PH036	5 <sup>th</sup>	20PHUBS036	Meet Makwana	<i>[Signature]</i>
PH052	5 <sup>th</sup>	20PHUBS052	Tirtha Trivedi	<i>[Signature]</i>
PH013	5 <sup>th</sup>	20PHUBS013	Dhruv Patel	<i>[Signature]</i>
PH014	5 <sup>th</sup>	20PHUBS014	Nidhi Patel	<i>[Signature]</i>
PH041	5 <sup>th</sup>	20PHUBS041	Rishi Patel	<i>[Signature]</i>
PH028	5 <sup>th</sup>	20PHUBS028	Krunal Patel	<i>[Signature]</i>
PH023	5 <sup>th</sup>	20PHUBS023	Krunal Patel	<i>[Signature]</i>
PH037	5 <sup>th</sup>	20PHUBS037	Nidhi Patel	<i>[Signature]</i>
PH030	5 <sup>th</sup>	20PHUBS030	Krunal Patel	<i>[Signature]</i>
PH059	5 <sup>th</sup>	20PHUBS059	Yash Chauhan	<i>[Signature]</i>
PH061	5 <sup>th</sup>	20PHUBS061	Jyoti Patel	<i>[Signature]</i>
PH010	5 <sup>th</sup>	20PHUBS010	Rishi Patel	<i>[Signature]</i>
PH023	5 <sup>th</sup>	20PHUBS023	Heta Kothariya	<i>[Signature]</i>
PH052	5 <sup>th</sup>	20PHUBS052	Yash Patel	<i>[Signature]</i>
PH022	5 <sup>th</sup>	20PHUBS022	Heta Kothariya	<i>[Signature]</i>

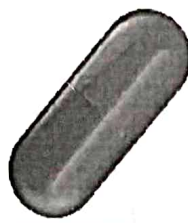
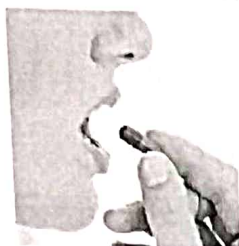




Brochure:



## Seminar on "Bioavailability and Bioequivalence : Role in Pharmaceutical Product Development"



Organized By:

**Faculty of Pharmacy**

Dharmsinh Desai University, Nadiad

Date: 24th September, 2022

**Convener**

Dr. Tejal G. Soni

**Co-Ordinator**

Dr. Vipul Prajapati



**Speaker:**

Dr. Haresh Patel

28/09/2022  
Gujarat Samachar  
Kheda edition

# ન બ્રીફ

ધ. દે.યુનિવર્સિટીમાં દવાઓના સંશોધન પર ખાસ સેમિનાર યોજાયો

નડિયાદ, તા.૨૭

નડિયાદની ધર્મસિંહ દેસાઈ યુનિવર્સિટીની ફેકલ્ટી ઓફ ફાર્મસી દ્વારા તાજેતરમાં દવાઓના સંશોધનમાં જરૂરી એવા બીએ-બીઈ પરિક્ષણ પર એક ખાસ સેમિનારનું આયોજન કરવામાં આવ્યું હતું. જેમાં વડોદરાની સન ફાર્માના તબીબે ફેકલ્ટીના વિદ્યાર્થીઓને આ પરિક્ષણના દરેક ઘટકો વિશે વિસ્તૃત માહિતી આપી હતી.



05.03.2022

**Sub.:** A short report on 1-day workshop on “Foundations of AWS”

Department of MCA organized a 1-day workshop on “Fundamentals of AWS” on 05.03.2022 for students and faculty members.

In the workshop, an expert team of resource persons Mr. Nilesh Vaghela and Mr. Nayan Patel from ElectroMech Corporation Pvt. Ltd. delivered six expert hands-on sessions. Mr Nilesh (CEO - ElectroMech Corporation Pvt. Ltd. Conducted sessions on: fundamentals and importance of cloud computing, Introduction to Amazon Web Services, the AWS ecosystem, Objectives of available AWS services, Demonstration of: AWS Elastic Compute service, AWS S3 service, Amazon RDS and AWS Firewall manager.



[Session on AWS Stack & Services by Mr Nilesh Vaghela - CEO, ElectroMech Corporation]

Mr. Nayan Patel (Support Engineer - ElectroMech Corporation Pvt. Ltd.) gave demonstration about working of the AWS DynamoDB service. During the workshop, participants had registered and created user on the official AWS website. They had exercised creation and working of various AWS services too.

Total 66 participants (61 students from MCA semester-II and 5 faculty members) took advantage of the workshop.

The workshop was ended with vote of thanks to the speakers.





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**Basic Hospital Infection Control Training For HCW**

**Date :-14-06-2022**


**To All The Categories Of HCW Working At NDDFMSR**

This is to inform that there will be training on Basics of Infection control practices on every Friday afternoon at the Skin OPD, demonstration room from 2.0 PM to 3.30 PM, from June 2022. This training will be conducted by the team of ICO and ICNs of HICC committee. It is mandatory for all the categories of Health care workers to attend this training and certificate of participation will be given to each participants.

  
Dean

  
Med superintendent/Additional Med Superintendent



  
Member secretary HICC



**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**Basic Hospital Infection Control Training For HCW**

**HOSPITAL INFECTION CONTROL TRAINING DETAILS FOR THE HEALTH CARE WORKERS (HCW) OF DR.N D DESAI FACULTY OF MEDICAL SCIENCE & RESEARCH**

**FROM JUNE 2022 TO MARCH 2023.**

1. Circular copy- Attached
- 2.
3. Name of the Event :- Basic training of hospital infection prevention practices

Venue :- Skin OPD, Demonstration Room, 1<sup>st</sup> floor Hospital Building.

Time :- Every Friday 2.0 PM to 3.30 PM

Speakers :- Dr.Purvi S Khristi ( ICO)

Madhuben Jagdishchandra Solanki (ICN)

Ekta Prakashbhai Macwan (ICN)

4. Number of Participants :-

Teaching – 106

Non teaching – 516



**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**Basic Hospital Infection Control Training For HCW**







**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**Basic Hospital Infection Control Training For HCW**





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**Basic Hospital Infection Control Training For HCW**





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**Basic Hospital Infection Control Training For HCW**





## Programme Report

on

A national conference on innovations in pharmaceutical sciences:

A way forward

1	Organized By	InStarC-Student Club, Faculty of Pharmacy, Dharmsinh Desai University, Nadiad.
2	Date	17 <sup>th</sup> September, 2022
3	No of Participants	375 (students) and 50 (faculty members)
4	Programme Co-ordinators	1. Dr. Tejas B. Patel 2. Mr. Vashisth P. Bhavsar
5	Name of Resource Person	1. Dr. Veerababu Taduri: Ex-Vice President, Alembic Pharmaceuticals Ltd., Vadodara (Chief Guest and Key note Speaker)
		2. Dr. Jignesh Patel: MD and CEO, CUREILL Pharma Pvt. Ltd., Ahmedabad (Resource Person)
		3. Dr. M.M. Soniwala: Professor, B. K. Mody Government Pharmacy College, Rajkot (Oral Presentation Judge-Pharmaceutical Technology)
		4. Dr. Vipul P Patel: Professor and Head, Department of Pharmaceutics, Sanjivani College of Pharmaceutical Education and Research, Shingnapur, Maharashtra (Oral Presentation Judge-Pharmaceutical Technology)
		5. Dr. Tushar Patel: Assistant Professor, L.M. College of Pharmacy, Ahmedabad (Poster Presentation Judge-Pharmaceutical Technology)
		6. Dr. Nilam N Patel: Director, Q-Medica Pharmaceuticals Pvt. Ltd, Ahmedabad (Poster Presentation Judge-Pharmaceutical Technology)
		7. Dr. Ragin R Shah: Principal, Arihant School of Pharmacy and Bio-Research Institute, Ahmedabad, Gujarat, India (Oral Presentation Judge-Pharmaceutical Chemistry and QA)
		8. Dr. Dimal Shah: Professor, Indukaka Ipcowala College of Pharmacy, New V V Nagar, Anand, Gujarat, India (Poster Presentation Judge-Pharmaceutical Chemistry and QA)

		9. Dr. Veena Sandip Patel: Associate Professor and Head Department of Pharmacognosy, Indukaka Ipcowala College of Pharmacy, CVM University, New V V Nagar, Anand, Gujarat, India (Poster and Oral Presentation Judge-Pharmacognosy)
		10. Dr. Samir C Patel: Professor and Head, Department of Pharmacology and Toxicology, Kalol Institute of Pharmacy, Kalol (Oral Presentation Judge-Pharmacology and Toxicology)
		11. Dr. Aditi Bariaya: Professor and Head, Department of Pharmacology, Arihant School of Pharmacy and Bio-Research Institute, Ahmedabad, Gujarat, India (Poster Presentation Judge-Pharmacology and Toxicology)
<b>Social Media Promotion</b>		
5	Twitter Link	<a href="https://twitter.com/Fop_ddu/status/1574719073719488512">https://twitter.com/Fop_ddu/status/1574719073719488512</a>
6	Facebook Link	<a href="https://www.facebook.com/FOPDDU2006/posts/pfbid0r3cmnbwPPazhwLoCE8Ug5Wtc2twxjuGEnr3iHaxmUE4fcTRDpBt56E15dfKnSP2MI">https://www.facebook.com/FOPDDU2006/posts/pfbid0r3cmnbwPPazhwLoCE8Ug5Wtc2twxjuGEnr3iHaxmUE4fcTRDpBt56E15dfKnSP2MI</a>
7	Instagram Link	<a href="https://www.instagram.com/p/CjAhG-Eop_m/?hl=en">https://www.instagram.com/p/CjAhG-Eop_m/?hl=en</a>
8	LinkedIn Link	<a href="https://www.linkedin.com/posts/fopddu2006_national-conference-on-innovations-in-pharmaceutical-activity-6980485187293851649-w4IR?utm_source=share&amp;utm_medium=member_desktop">https://www.linkedin.com/posts/fopddu2006_national-conference-on-innovations-in-pharmaceutical-activity-6980485187293851649-w4IR?utm_source=share&amp;utm_medium=member_desktop</a>

### Programme/Event Summary

A National Conference on "Innovations in Pharmaceutical Sciences: A Way Forward" was organized by Faculty of Pharmacy, Dharmsinh Desai University, on 17<sup>th</sup> of September 2022. This event had a motive to encourage students as well as professors and industrialists to present their innovative ideas, inventions and work of experience in form of lectures. Plenary session 1 was conducted by Dr. Veerababu Taduri and session 2 was followed by Dr. Jignesh





Patel and then the event was continued with the oral and poster presentation (competition).

There were 7 different categories to participate in, they were;

1. Pharmaceutical Technology
2. Medicinal Chemistry
3. Pharmacognosy Indigenous Drugs, Herbal formulations and Phytochemistry
4. Pharmacology and Toxicology, Clinical Research & Pharmacoepidemiology
5. Biopharmaceutics, Pharmacokinetics and Drug Metabolism
6. Pharmaceutical Analysis and Quality Assurance
7. Biotechnology and Biotherapeutics

This event resulted in participation of more than 20 colleges across Gujarat, there were 126 poster presentations and 53 oral presentations in group and individual. This conference helped students to improve the quality and skills of innovation to solve problems will typically and think out of the box and not tied down to a traditional way of doing things. Shows other way of learning innovative things, introducing something new whether it's a new product, a new market strategy, a new method, and so on in order to reinvigorate and promote new value and growth for the ideation and innovation for pharmaceutical product development. Ignited business minds will also be boosted on how an idea can be transformed to product and launch up to market using the Start Up Policies. This competition was judged by the above given resource persons in respective categories.

In above different categories, participants were awarded on the basis of their ideas and presentation skills, they were;

#### Winners of the Oral Presentation

Rank	Name	Collage Name	Title	Category
1 <sup>st</sup>	Drishti Panjwani	Parul Institute of Pharmacy	Avidin- Biotin functionalized self-assembled protein nanoparticles as EGFR targeted therapeutics for the treatment of lung cancer: Characterization and Cell viability	Pharmaceutics
1 <sup>st</sup>	Kiran Dudhat	School of Pharmacy, RK University, Rajkot	Preparation and Evaluation of Antifibrotic drugs loaded Biodegradable Polymeric Nanoparticles for Idiopathic Pulmonary Fibrosis	Pharmaceutics
2 <sup>nd</sup>	Kruti Jogani	Faculty of Pharmacy, DDU, Nadiad	Glia-to-Neuron Conversion by CRISPR-CasRx Alleviates symptoms of Neurological Diseases in Mice	Pharmaceutics





1 <sup>st</sup>	Nandini Upadhyay	Faculty of Pharmacy, DDU, Nadiad	Phytopharmacognostical study, formulation and evaluation of Lozenges from Abrus precatorius L.	Pharmacognosy
1 <sup>st</sup>	Jadav Mukti Anilkumar	L.M College of Pharmacy, Navrangpura, Ahmedabad	Toll like receptor- 4 and NOD like receptor- 3 inhibitor against Rheumatoid arthritis: Molecular Docking and ADMET analysis	Pharmacology
1 <sup>st</sup>	Namami Vinod Rathod	Parul Institute of Pharmacy	Quantitative Determination of Fluticasone Propionate by IR Spectroscopy	Pharmaceutical-chemistry

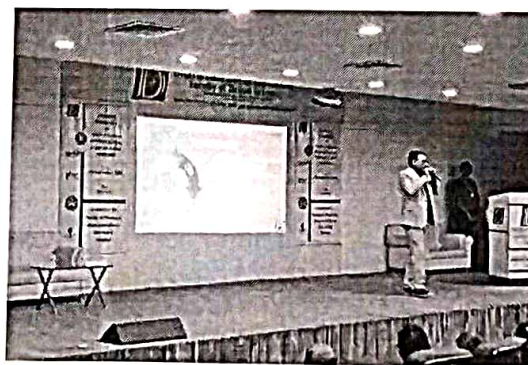
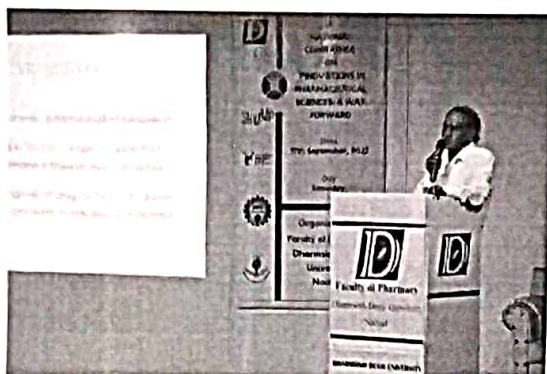
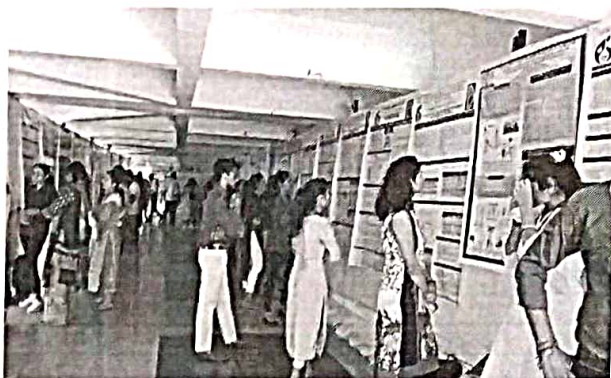
### Winners of the Poster Presentation

Ran k	Name	College- Name	Title	Category
1 <sup>st</sup>	Raycha Madhav Rajendrabhai	K B Institute of Pharmaceutical Education and Research, Gandhinagar	Development characterization and evaluation of Topical Gel containing Phytosome of Boswellia Serrata	Pharmaceutics
1 <sup>st</sup>	Keyur Butani	DDU, PDH scholar - Amneal Pharmaceutical	Formulation Development of Biodegradable Poly ( D,L-lactide-co-glycolide) PLGA Microspheres for Sustained Release of Brexpiprazole	Pharmaceutics
2 <sup>nd</sup>	Patel Vanshika Rakeshbhai	Faculty of Pharmacy, DDU Nadiad	Formulation and evaluation of Ezetimibe Fast Dissolving Tablets using Solid Dispersion Technique	Pharmaceutics
2 <sup>nd</sup>	Smit Mehta	Parul University	Preparation of an affordable Veterinary Formulation for Commercialization	Pharmaceutics
1 <sup>st</sup>	Hemal Bhavsar Janakbhai	Dharmsinh Desai university	Phytochemical evaluation of Eleusine coracana and its nutritional effect	Pharmaceutica l-Chemistry
2 <sup>nd</sup>	Uday Thakkar, Renuka Bhamre	Parul Institute of Pharmacy	In-Silico Design and Molecular Docking Studies of Novel Hybrid Compounds: Dual Inhibitor for Alzheimers and Tuberculosis	Pharmaceutica l-Chemistry
1 <sup>st</sup>	Jain Helit Pragneshkumar	Pioneer Pharmacy Degree College	In-Vitro skin permeation and retention studies of gallic acid liquid bandage on wound healing	Pharmacogno- sy
2 <sup>nd</sup>	Riya Solanki	Pioneer Pharmacy Degree College	Formulation development and evaluation of Antidiabetic and Antioxidant Potential of Polyherbal Tablet	Pharmacogno- sy
1 <sup>st</sup>	Patel Dhvani Jigneshbhai	Ramanbhai Patel College of	In-Vitro Cytotoxicity Study of Ficus racemose and Amaranthus	Pharmacology



		Pharmacy, Charusat	spinosus by MTT ASSAY	
2 <sup>nd</sup>	Gautmi Ubhrani	Faculty of Pharmacy, DDU, Nadiad	Preparation and evaluation of wound Healing Polyheral gel	Pharmacology

**Programme/Event Photograph**





**Faculty of Pharmacy**  
**Dharmsinh Desai University**



**Name and Signature**

Dr. Tejas B Patel

**Seal of the Institute**

Mr. Vashishth Bhavsar

**Programme Coordinators**

  
**Dean**



# Python Workshop

The workshop was of 20 hours (10 sessions – 2 hours each). The resource person was Dr. Narayan Joshi, Head – MCA, DDU – Nadiad. The departmental coordinator was Prof. K U Acharya, Asst Prof – BCA, DDU – Nadiad. Total 43 students of BCA semester 5 of academic year 2022-23 participated for the same.





Here is the feedback of one of the participants:

My name is Riya Panchal and I am studying in Dharmsinh Desai University. In our university a Python Workshop was organized by our BCA department. **Dr. Narayan Joshi Sir (Head of MCA Department)** conducted this workshop.

My overall experience from the first lecture to the last one has been amazing.

At the very first lecture sir explained the features of this language and now a days how important it is and why should we learn this language. From the next lecture sir started teaching python. He started from very basic print() and input() function of python. Then he one by one explained 3 built-in types –

- ✓ None type
- ✓ Numeric Type
- ✓ Sequences.

After teaching none and numeric types the next topic is of Operators in python -

- ✓ Arithmetic (+, -, \*, /, \*\*, %, //)
- ✓ Assignment (=, +=, -=, \*=, /=, %=, \*\*=, //=)
- ✓ Unary Minus (-n)
- ✓ Relational (<, <=, >, >=, ==, !=)
- ✓ Logical (and, or, not)

- ✓ Boolean (and , or , not)
- ✓ Bitwise (<< , >> , & , | , ~ , ^)
- ✓ Membership (in , not in)
- ✓ Identity

After studying operators we moved to the Control Statements –

- ✓ If – else
- ✓ elif
- ✓ while
- ✓ break
- ✓ continue
- ✓ pass
- ✓ for

Here the for loop is very important and for loop with the **range()** function makes it more powerful. After learning these the flow goes to very important sequences. We learned them in very detail.

- ✓ List Sequence
- ✓ Tuple Sequence
- ✓ Dictionary Sequence

These sequences are very useful in Data Science, Machine Learning and many more.

At last sir covered functions in python and another important topic of object oriented programming.

In this way sir made our base very strong in python. I am very grateful to sir and also our university to organized this workshop for us.

Thank You.

The total amount for the fees we collected for the same was:  $43 * 200 \text{ INR} = 8600 \text{ INR}$ .

The total expenses are as follow:

Certificate: 1000 INR

Water Bottle: 160 INR

Snacks for the students: 2800 INR

Marker Pens : 20 INR



Memento for the resource person: 945

Bouquet: 150 INR

Peon: 200 INR

Ice-cream: 2755 INR

Total: 8030 INR

Savings: 570 INR (with Prof. K U Acharya)

The valedictory function was held on 7<sup>th</sup> October 2022 at the dental hall of DDU. The dignitaries who were present are as follow:

Dr V A Shah – Dean – FoT, DDU

Dr N K Patel – Dean – MIS, DDU

Prof. C P Patel – Head, BCA – DDU

Dr Narayan Joshi – Head, MCA – DDU

All the staff members of the BCA department.

The attendance sheets of all the lectures are also attached herewith.

Date: 19th July, 2022

To  
The Dean,  
Faculty of Technology,  
DDU - Nadiad.

Respected Sir,

BCA department wishes to conduct workshop on " Programming in Python" for  
BCA - Semester V students. Sessions for it will be conducted on every Saturday from  
11:00AM to 1:00PM for 10 weeks. Interested students will have to register themselves.

Start date: 23/07/2022 (Every Saturday)

Registration fees: 200Rs

Resource person details:

Dr. Narayan Joshi,

Head, MCA Department, DDU.

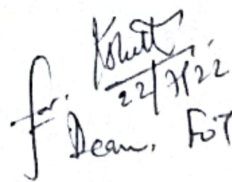
Kindly grant us permission for the same.

Program Coordinator: Prof. Kinjal Acharya

  
Prof. C P Patel.

Head, BCA Department,  
DDU - Nadiad.

Good to proceed.

  
for Kinjal  
22/7/22  
Dean, FoT

Exam No	StudentID	Name	30th September 2022
✓ BC002	20BCUOS021	ANSARI MD KAIF SAGIR AHMED	P
✓ BC003	20BCUOS035	BACHANI DEVKUMAR HIRALAL	P
✓ BC004	20BCUOS055	BHATIA TAPAN ANIL	P
✓ BC005	20BCUOS087	BRAHMBHATT JANVI DHARMVIR	P
✓ BC006	20BCUOS069	BRAHMBHATT YASH BHARATKUMAR	P
BC007	20BCUOS068	CHALODIYA KUSH MUKESHBHAI	Ab
✓ BC010	20BCUSS078	DAFDA AHUTIBEN GIRISHBHAI	P
✓ BC011	20BCUBS062	DARJI ISHANI MANISHBHAI	P
✓ BC015	19BCUOS081	DHOLAKIYA RUDRA AMRISHBHAI	P
✓ BC017	20BCUBS044	GADHAVI HARVEERDAN ANADUBHAI	P
✓ BC018	20BCUOS081	GANDHI SAGAR SANJAYBHAI	P
✓ BC020	20BCUBS074	GOHEL YASH HARISHBHAI	P
✓ BC021	20BCUOS065	JAMOD MANSI PARSHOTTAMBHAI	P
✓ BC022	20BCUOS013	KADAM SIDDHARTH GAUTAM	P
✓ BC025	20BCUOS017	KHATRI ROSHNIBEN RAJESHBHAI	P
✓ BC026	20BCUOS083	MADAN GEHNA PARESH	P
✓ BC028	20BCUOS056	MANSURI UZMABEN ASIFBHAI	P
BC029	20BCUSS045	MUNJAL ADITYA BHAVIN	Ab
✓ BC031	20BCUOS054	PANCHAL NIKUL MAHESHBHAI	P
✓ BC032	20BCUBS076	PANCHAL RIYA MANOJBHAI	P
BC035	20BCUOS001	PARMAR HEMIL SHAILESH	P
BC036	20BCUSS080	PARMAR RAJESHWARI VINODBHAI	Ab
BC041	20BCUOS067	PATEL JEET ANILKUMAR	P
✓ BC042	19BCUOS088	PATEL KANDARP YOGESHBHAI	P
✓ BC044	20BCUOS016	PATEL KUNALKUMAR VIPULBHAI	P
✓ BC045	20BCUOS077	PATEL NISHI SUNILBHAI	P
BC046	20BCUOS007	PATEL PREM CHIRAGBHAI	Ab
✓ BC048	20BCUOS066	PATEL TIRTHKUMAR HITESHKUMAR	P
✓ BC051	20BCUOS046	PATHAN ARJUBANU FIROJKHAN	P
✓ BC052	20BCUOS082	PUNJABI NISTHA SANJAYKUMAR	P
✓ BC054	20BCUOS034	RABARI DHAVALKUMAR DIPAKBHAI	P
✓ BC056	20BCUBS060	RAMI PRACHI URVESHKUMAR	P
✓ BC057	20BCUBS027	RANPURA RIDDHI ASHOKBHAI	P
✓ BC058	20BCUSS070	ROHIT JAIMINI BHAILALBHAI	P
BC059	20BCUOS012	SHAH AAKASHKUMAR RAJESHKUMAR	Ab
✓ BC061	20BCUOS086	SHAH TITHI MAULIK	P
✓ BC062	20BCUOS039	SHARMA AYUSHI KALPESHKUMAR	P
✓ BC063	20BCUOS059	SHINDE JEET RAMKRISHNA	P
✓ BC064	20BCUOS019	SHIVDASANI NISHIT SWETA	P
BC065	20BCUOS022	SHIYANI HENI NILESHBHAI	P
✓ BC067	20BCUOS033	SONI GAURAV SANJAYBHAI	Ab
✓ BC071	20BCUOS057	VAGHELA DARSHANKUMAR AJITSINH	P
✓ BC074	20BCUBS002	VALAND KRUPAL BIPINKUMAR	P



22/9/22

30th July 2022

Exam No	StudentID	Name	
BC002	20BCUOS021	ANSARI MD KAIF SAGIR AHMED	<i>Ansari</i>
BC003	20BCUOS035	BACHANI DEVKUMAR HIRALAL	<i>Dev</i>
BC004	20BCUOS055	BHATIA TAPAN ANIL	<i>Tapan</i>
BC005	20BCUOS087	BRAHMBHATT JANVI DHARMVIR	<i>Janvi</i>
BC006	20BCUOS069	BRAHMBHATT YASH BHARATKUMAR	<i>Y.B.B.</i>
BC007	20BCUOS068	CHALODIYA KUSH MUKESHBHAI	<i>Kush</i>
BC010	20BCUSS078	DAFDA AHUTIBEN GIRISHBHAI	<i>Ahuti</i>
BC011	20BCUBS062	DARJI ISHANI MANISHBHAI	<i>Ishani</i>
BC015	19BCUOS081	DHOLAKIYA RUDRA AMRISHBHAI	<i>Rudra</i>
BC017	20BCUBS044	GADHAVI HARVEERDAN ANADUBHAI	<i>Harveer</i>
BC018	20BCUOS081	GANDHI SAGAR SANJAYBHAI	<i>Sagar</i>
BC020	20BCUBS074	GOHEL YASH HARISHBHAI	<i>Yash</i>
BC021	20BCUOS065	JAMOD MANSI PARSHOTTAMBHAI	<i>Mansi</i>
BC022	20BCUOS013	KADAM SIDDHARTH GAUTAM	<i>Siddharth</i>
BC025	20BCUOS017	KHATRI ROSHNIBEN RAJESHBHAI	<i>Roshni</i>
BC026	20BCUOS083	MADAN GEHNA PARESH	<i>Ge</i>
BC028	20BCUOS056	MANSURI UZMABEN ASIFBHAI	<i>M.U.A.</i>
BC029	20BCUSS045	MUNJAL ADITYA BHAVIN	<i>Aditya</i>
BC031	20BCUOS054	PANCHAL NIKUL MAHESHBHAI	<i>Nikul</i>
BC032	20BCUBS076	PANCHAL RIYA MANOJBHAI	<i>Riya</i>
BC035	20BCUOS001	PARMAR HEMIL SHAILESH	<i>Hemil</i>
BC036	20BCUSS080	PARMAR RAJESHWARI VINODBHAI	<i>Rajeshwari</i>
BC041	20BCUOS067	PATEL JEET ANILKUMAR	<i>Jeet</i>
BC042	19BCUOS088	PATEL KANDARP YOGESHBHAI	<i>Kandarp</i>
BC044	20BCUOS016	PATEL KUNALKUMAR VIPULBHAI	<i>Kun</i>
BC045	20BCUOS077	PATEL NISHI SUNILBHAI	<i>Nishi</i>
BC046	20BCUOS007	PATEL PREM CHIRAGBHAI	<i>Prem</i>
BC048	20BCUOS066	PATEL TIRTHKUMAR HITESHKUMAR	<i>Tirth</i>
BC051	20BCUOS046	PATHAN ARJUBANU FIROJKHAN	<i>Arju</i>
BC052	20BCUOS082	PUNJABI NISTHA SANJAYKUMAR	<i>Nistha</i>
BC054	20BCUOS034	RABARI DHAVALKUMAR DIPAKBHAI	<i>D.D.R.</i>
BC056	20BCUBS060	RAMI PRACHI URVESHKUMAR	<i>Prachi</i>
BC057	20BCUBS027	RANPURA RIDDHI ASHOKBHAI	<i>Riddhi</i>
BC058	20BCUSS070	ROHIT JAIMINI BHAILALBHAI	<i>Rohit</i>
BC059	20BCUOS012	SHAH AAKASHKUMAR RAJESHKUMAR	<i>Aakash</i>
BC061	20BCUOS086	SHAH TITHI MAULIK	<i>Tithi</i>
BC062	20BCUOS039	SHARMA AYUSHI KALPESHKUMAR	<i>Ayushi</i>
BC063	20BCUOS059	SHINDE JEET RAMKRISHNA	<i>Jeet</i>
BC064	20BCUOS019	SHIVDASANI NISHIT SWETA	<i>Nishit</i>
BC065	20BCUOS022	SHIYANI HENI NILESHBHAI	<i>Hen</i>
BC067	20BCUOS033	SONI GAURAV SANJAYBHAI	<i>Gaurav</i>
BC071	20BCUOS057	VAGHELA DARSHANKUMAR AJITSINH	<i>Darshan</i>
BC074	20BCUBS002	VALAND KRUPAL BIPINKUMAR	<i>Krupal</i>



Exam No	StudentID	Name	10th September 2022
BC002	20BCUOS021	ANSARI MD KAIF SAGIR AHMED	Ab
BC003	20BCUOS035	BACHANI DEVKUMAR HIRALAL	D
BC004	20BCUOS055	BHATIA TAPAN ANIL	Tapan
BC005	20BCUOS087	BRAHMBHATT JANVI DHARMVIR	Janvi
BC006	20BCUOS069	BRAHMBHATT YASH BHARATKUMAR	Y.B.B
BC007	20BCUOS068	CHALODIYA KUSH MUKESHBHAI	Kush
BC010	20BCUSS078	DAFDA AHUTIBEN GIRISHBHAI	Ahuti
BC011	20BCUBS062	DARJI ISHANI MANISHBHAI	Ishani
BC015	19BCUOS081	DHOLAKIYA RUDRA AMRISHBHAI	Rudra
BC017	20BCUBS044	GADHAVI HARVEERDAN ANADUBHAI	Harveer
BC018	20BCUOS081	GANDHI SAGAR SANJAYBHAI	Sagar
BC020	20BCUBS074	GOHEL YASH HARISHBHAI	Yash
BC021	20BCUOS065	JAMOD MANSI PARSHOTTAMBHAI	Mansi
BC022	20BCUOS013	KADAM SIDDHARTH GAUTAM	Siddharth
BC025	20BCUOS017	KHATRI ROSHNIBEN RAJESHBHAI	Roshni
BC026	20BCUOS083	MADAN GEHNA PARESH	Gezna
BC028	20BCUOS056	MANSURI UZMABEN ASIFBHAI	Ab
BC029	20BCUSS045	MUNJAL ADITYA BHAVIN	Aditya
BC031	20BCUOS054	PANCHAL NIKUL MAHESHBHAI	Nikul
BC032	20BCUBS076	PANCHAL RIYA MANOJBHAI	Riya
BC035	20BCUOS001	PARMAR HEMIL SHAILESH	Hemil
BC036	20BCUSS080	PARMAR RAJESHWARI VINODBHAI	Rajeshwari
BC041	20BCUOS067	PATEL JEET ANILKUMAR	Ab
BC042	19BCUOS088	PATEL KANDARP YOGESHBHAI	Kandarp
BC044	20BCUOS016	PATEL KUNALKUMAR VIPULBHAI	Ab
BC045	20BCUOS077	PATEL NISHI SUNILBHAI	Nishi
BC046	20BCUOS007	PATEL PREM CHIRAGBHAI	Prem
BC048	20BCUOS066	PATEL TIRTHKUMAR HITESHKUMAR	Tirth
BC051	20BCUOS046	PATHAN ARJUBANU FIROJKHAN	Arjubanu
BC052	20BCUOS082	PUNJABI NISTHA SANJAYKUMAR	Nistha
BC054	20BCUOS034	RABARI DHAVALKUMAR DIPAKBHAI	D.D.R
BC056	20BCUBS060	RAMI PRACHI URVESHKUMAR	Ab
BC057	20BCUBS027	RANPURA RIDDHI ASHOKBHAI	Riddhi
BC058	20BCUSS070	ROHIT JAIMINI BHAILALBHAI	Rohit
BC059	20BCUOS012	SHAH AAKASHKUMAR RAJESHKUMAR	Aakash
BC061	20BCUOS086	SHAH TITHI MAULIK	Ab
BC062	20BCUOS039	SHARMA AYUSHI KALPESHKUMAR	Ayushi
BC063	20BCUOS059	SHINDE JEET RAMKRISHNA	Ab
BC064	20BCUOS019	SHIVDASANI NISHIT SWETA	Nishit
BC065	20BCUOS022	SHIYANI HENI NILESHBHAI	Hen
BC067	20BCUOS033	SONI GAURAV SANJAYBHAI	Gaurav
BC071	20BCUOS057	VAGHELA DARSHANKUMAR AJITSINH	Darshan
BC074	20BCUBS002	VALAND KRUPAL BIPINKUMAR	Krupal



**DHARMSINH DESAI UNIVERSITY, NADIAD**

**Workshop on "Programming in Python"**

**BCA Department**

Exam No	StudentID	Name	3rd September 2022
BC002	20BCUOS021	ANSARI MD KAIF SAGIR AHMED	Ab
BC003	20BCUOS035	BACHANI DEVKUMAR HIRALAL	Ab
BC004	20BCUOS055	BHATIA TAPAN ANIL	P
BC005	20BCUOS087	BRAHMBHATT JANVI DHARMVIR	P
BC006	20BCUOS069	BRAHMBHATT YASH BHARATKUMAR	P
BC007	20BCUOS068	CHALODIYA KUSH MUKESHBHAI	Ab
BC010	20BCUSS078	DAFDA AHUTIBEN GIRISHBHAI	Ab
BC011	20BCUBS062	DARJI ISHANI MANISHBHAI	P
BC015	19BCUOS081	DHOLAKIYA RUDRA AMRISHBHAI	P
BC017	20BCUBS044	GADHAVI HARVEERDAN ANADUBHAI	P
BC018	20BCUOS081	GANDHI SAGAR SANJAYBHAI	P
BC020	20BCUBS074	GOHEL YASH HARISHBHAI	P
BC021	20BCUOS065	JAMOD MANSI PARSHOTTAMBHAI	Ab
BC022	20BCUOS013	KADAM SIDDHARTH GAUTAM	Ab
BC025	20BCUOS017	KHATRI ROSHNIBEN RAJESHBHAI	Ab
BC026	20BCUOS083	MADAN GEHNA PARESH	P
BC028	20BCUOS056	MANSURI UZMABEN ASIFBHAI	P
BC029	20BCUSS045	MUNJAL ADITYA BHAVIN	P
BC031	20BCUOS054	PANCHAL NIKUL MAHESHBHAI	Ab
BC032	20BCUBS076	PANCHAL RIYA MANOJBHAI	P
BC035	20BCUOS001	PARMAR HEMIL SHAILESH	Ab
BC036	20BCUSS080	PARMAR RAJESHWARI VINODBHAI	P
BC041	20BCUOS067	PATEL JEET ANILKUMAR	P
BC042	19BCUOS088	PATEL KANDARP YOGESHBHAI	Ab
BC044	20BCUOS016	PATEL KUNALKUMAR VIPULBHAI	P
BC045	20BCUOS077	PATEL NISHI SUNILBHAI	P
BC046	20BCUOS007	PATEL PREM CHIRAGBHAI	P
BC048	20BCUOS066	PATEL TIRTHKUMAR HITESHKUMAR	Ab
BC051	20BCUOS046	PATHAN ARJUBANU FIROJKHAN	P
BC052	20BCUOS082	PUNJABI NISTHA SANJAYKUMAR	P
BC054	20BCUOS034	RABARI DHAVALKUMAR DIPAKBHAI	Ab
BC056	20BCUBS060	RAMI PRACHI URVESHKUMAR	Ab
BC057	20BCUBS027	RANPURA RIDDHI ASHOKBHAI	P
BC058	20BCUSS070	ROHIT JAIMINI BHAILALBHAI	P
BC059	20BCUOS012	SHAH AAKASHKUMAR RAJESHKUMAR	P
BC061	20BCUOS086	SHAH TITHI MAULIK	P
BC062	20BCUOS039	SHARMA AYUSHI KALPESHKUMAR	P
BC063	20BCUOS059	SHINDE JEET RAMKRISHNA	Ab
BC064	20BCUOS019	SHIVDASANI NISHIT SWETA	Ab
BC065	20BCUOS022	SHIYANI HENI NILESHBHAI	Ab
BC067	20BCUOS033	SONI GAURAV SANJAYBHAI	P
BC071	20BCUOS057	VAGHELA DARSHANKUMAR AJITSINH	P
BC074	20BCUBS002	VALAND KRUPAL BIPINKUMAR	P



# DHARMSINH DESAI UNIVERSITY, NADIAD

## Workshop on "Programming in Python"

### BCA Department

Exam No	StudentID	Name	15th September 2022
BC002	20BCUOS021	ANSARI MD KAIF SAGIR AHMED	Kaif
BC003	20BCUOS035	BACHANI DEVKUMAR HIRALAL	Dev
BC004	20BCUOS055	BHATIA TAPAN ANIL	Tapan
BC005	20BCUOS087	BRAHMBHATT JANVI DHARMVIR	Janvi
BC006	20BCUOS069	BRAHMBHATT YASH BHARATKUMAR	Y.B.B.
BC007	20BCUOS068	CHALODIYA KUSH MUKESHBHAI	Kush
BC010	20BCUSS078	DAFDA AHUTIBEN GIRISHBHAI	Ahuti
BC011	20BCUBS062	DARJI ISHANI MANISHBHAI	Ishani
BC015	19BCUOS081	DHOLAKIYA RUDRA AMRISHBHAI	Rudra
BC017	20BCUBS044	GADHAVI HARVEERDAN ANADUBHAI	Harveer
BC018	20BCUOS081	GANDHI SAGAR SANJAYBHAI	Sagar
BC020	20BCUBS074	GOHEL YASH HARISHBHAI	Yash
BC021	20BCUOS065	JAMOD MANSI PARSHOTTAMBHAI	Mansi
BC022	20BCUOS013	KADAM SIDDHARTH GAUTAM	Siddharth
BC025	20BCUOS017	KHATRI ROSHNIBEN RAJESHBHAI	Roshni
BC026	20BCUOS083	MADAN GEHNA PARESH	Gehna
BC028	20BCUOS056	MANSURI UZMABEN ASIFBHAI	M. U. A.
BC029	20BCUSS045	MUNJAL ADITYA BHAVIN	Aditya
BC031	20BCUOS054	PANCHAL NIKUL MAHESHBHAI	Nikul
BC032	20BCUBS076	PANCHAL RIYA MANOJBHAI	Riya
BC035	20BCUOS001	PARMAR HEMIL SHAILESH	Hemil
BC036	20BCUSS080	PARMAR RAJESHWARI VINODBHAI	Rajeshwari
BC041	20BCUOS067	PATEL JEET ANILKUMAR	Jeet
BC042	19BCUOS088	PATEL KANDARP YOGESHBHAI	Kandarp
BC044	20BCUOS016	PATEL KUNALKUMAR VIPULBHAI	Kunalkumar
BC045	20BCUOS077	PATEL NISHI SUNILBHAI	Nishi
BC046	20BCUOS007	PATEL PREM CHIRAGBHAI	Prem
BC048	20BCUOS066	PATEL TIRTHKUMAR HITESHKUMAR	Tirthkumar
BC051	20BCUOS046	PATHAN ARJUBANU FIROJKHAN	Arjubanu
BC052	20BCUOS082	PUNJABI NISTHA SANJAYKUMAR	Nistha
BC054	20BCUOS034	RABARI DHAVALKUMAR DIPAKBHAI	D.D.R.
BC056	20BCUBS060	RAMI PRACHI URVESHKUMAR	Prachi
BC057	20BCUBS027	RANPURA RIDDHI ASHOKBHAI	Riddhi
BC058	20BCUSS070	ROHIT JAIMINI BHAILALBHAI	Rohit
BC059	20BCUOS012	SHAH AAKASHKUMAR RAJESHKUMAR	Aakash
BC061	20BCUOS086	SHAH TITHI MAULIK	Tithi
BC062	20BCUOS039	SHARMA AYUSHI KALPESHKUMAR	Ayushi
BC063	20BCUOS059	SHINDE JEET RAMKRISHNA	Jeet
BC064	20BCUOS019	SHIVDASANI NISHIT SWETA	Nishit
BC065	20BCUOS022	SHIYANI HENI NILESHBHAI	Shiyani
BC067	20BCUOS033	SONI GAURAV SANJAYBHAI	Gaurav
BC071	20BCUOS057	VAGHELA DARSHANKUMAR AJITSINH	Darshan
BC074	20BCUBS002	VALAND KRUPAL BIPINKUMAR	Krupal



**DHARMSINH DESAI UNIVERSITY, NADIAD**  
**Workshop on "Programming in Python"**

**BCA Department**

Exam No	StudentID	Name	25th August 2022
BC002	20BCUOS021	ANSARI MD KAIF SAGIR AHMED	Ab
BC003	20BCUOS035	BACHANI DEVKUMAR HIRALAL	guru
BC004	20BCUOS055	BHATIA TAPAN ANIL	Tapam
BC005	20BCUOS087	BRAHMBHATT JANVI DHARMVIR	Janvi.
BC006	20BCUOS069	BRAHMBHATT YASH BHARATKUMAR	Y.B.B
BC007	20BCUOS068	CHALODIYA KUSH MUKESHBHAI	Ab
BC010	20BCUSS078	DAFDA AHUTIBEN GIRISHBHAI	Ab
BC011	20BCUBS062	DARJI ISHANI MANISHBHAI	Ishani
BC015	19BCUOS081	DHOLAKIYA RUDRA AMRISHBHAI	Ab
BC017	20BCUBS044	GADHAVI HARVEERDAN ANADUBHAI	Ab
BC018	20BCUOS081	GANDHI SAGAR SANJAYBHAI	Sagar.
BC020	20BCUBS074	GOHEL YASH HARISHBHAI	Yash
BC021	20BCUOS065	JAMOD MANSI PARSHOTTAMBHAI	Ab
BC022	20BCUOS013	KADAM SIDDHARTH GAUTAM	Siddhartha
BC025	20BCUOS017	KHATRI ROSHNIBEN RAJESHBHAI	(Rashmi).
BC026	20BCUOS083	MADAN GEHNA PARESH	Ge
BC028	20BCUOS056	MANSURI UZMABEN ASIFBHAI	M.U.A.
BC029	20BCUSS045	MUNJAL ADITYA BHAVIN	Mus
BC031	20BCUOS054	PANCHAL NIKUL MAHESHBHAI	Nikhul
BC032	20BCUBS076	PANCHAL RIYA MANOJBHAI	riya
BC035	20BCUOS001	PARMAR HEMIL SHAILESH	Hemil
BC036	20BCUSS080	PARMAR RAJESHWARI VINODBHAI	Rajeshwari
BC041	20BCUOS067	PATEL JEET ANILKUMAR	Jeet
BC042	19BCUOS088	PATEL KANDARP YOGESHBHAI	Kandarp
BC044	20BCUOS016	PATEL KUNALKUMAR VIPULBHAI	Kun
BC045	20BCUOS077	PATEL NISHI SUNILBHAI	Nishi
BC046	20BCUOS007	PATEL PREM CHIRAGBHAI	Prem
BC048	20BCUOS066	PATEL TIRTHKUMAR HITESHKUMAR	Tirth
BC051	20BCUOS046	PATHAN ARJUBANU FIROJKHAN	Arju
BC052	20BCUOS082	PUNJABI NISTHA SANJAYKUMAR	(Nistha)
BC054	20BCUOS034	RABARI DHAVALKUMAR DIPAKBHAI	D.D.R
BC056	20BCUBS060	RAMI PRACHI URVESHKUMAR	Prachi
BC057	20BCUBS027	RANPURA RIDDHI ASHOKBHAI	Riddhi
BC058	20BCUSS070	ROHIT JAİMİNİ BHAILALBHAI	Rohit
BC059	20BCUOS012	SHAH AAKASHKUMAR RAJESHKUMAR	Aash
BC061	20BCUOS086	SHAH TITHI MAULIK	TMS
BC062	20BCUOS039	SHARMA AYUSHI KALPESHKUMAR	Ayushi
BC063	20BCUOS059	SHINDE JEET RAMKRISHNA	Jeet
BC064	20BCUOS019	SHIVDASANI NISHIT SWETA	Nishi
BC065	20BCUOS022	SHIYANI HENI NILESHBHAI	Hen
BC067	20BCUOS033	SONI GAURAV SANJAYBHAI	Gaurav
BC071	20BCUOS057	VAGHELA DARSHANKUMAR AJITSINH	Darshankumar
BC074	20BCUBS002	VALAND KRUPAL BIPINKUMAR	Ab



**DHARMSINH DESAI UNIVERSITY, NADIAD**

**Workshop on "Programming in Python"**

**BCA Department**

Exam No	StudentID	Name	20th August 2022
BC002	20BCUOS021	ANSARI MD KAIF SAGIR AHMED	Kaif
BC003	20BCUOS035	BACHANI DEVKUMAR HIRALAL	Dev
BC004	20BCUOS055	BHATIA TAPAN ANIL	Tapan
BC005	20BCUOS087	BRAHMBHATT JANVI DHARMVIR	Janvi
BC006	20BCUOS069	BRAHMBHATT YASH BHARATKUMAR	Yash B. B.
BC007	20BCUOS068	CHALODIYA KUSH MUKESHBHAI	AB
BC010	20BCUSS078	DAFDA AHUTIBEN GIRISHBHAI	Ahuti
BC011	20BCUBS062	DARJI ISHANI MANISHBHAI	Ishani
BC015	19BCUOS081	DHOLAKIYA RUDRA AMRISHBHAI	AB
BC017	20BCUBS044	GADHAVI HARVEERDAN ANADUBHAI	AB
BC018	20BCUOS081	GANDHI SAGAR SANJAYBHAI	Sagar
BC020	20BCUBS074	GOHEL YASH HARISHBHAI	Yash
BC021	20BCUOS065	JAMOD MANSI PARSHOTTAMBHAI	AB
BC022	20BCUOS013	KADAM SIDDHARTH GAUTAM	Siddharth
BC025	20BCUOS017	KHATRI ROSHNIBEN RAJESHBHAI	Roshni
BC026	20BCUOS083	MADAN GEHNA PARESH	Gehna
BC028	20BCUOS056	MANSURI UZMABEN ASIFBHAI	M. U. A.
BC029	20BCUSS045	MUNJAL ADITYA BHAVIN	AB
BC031	20BCUOS054	PANCHAL NIKUL MAHESHBHAI	Nikul
BC032	20BCUBS076	PANCHAL RIYA MANOJBHAI	Riya
BC035	20BCUOS001	PARMAR HEMIL SHAILESH	Hemil
BC036	20BCUSS080	PARMAR RAJESHWARI VINODBHAI	AB
BC041	20BCUOS067	PATEL JEET ANILKUMAR	AB
BC042	19BCUOS088	PATEL KANDARP YOGESHBHAI	Kandarp
BC044	20BCUOS016	PATEL KUNALKUMAR VIPULBHAI	Kunalkumar
BC045	20BCUOS077	PATEL NISHI SUNILBHAI	Nishi
BC046	20BCUOS007	PATEL PREM CHIRAGBHAI	Prem
BC048	20BCUOS066	PATEL TIRTHKUMAR HITESHKUMAR	Tirth
BC051	20BCUOS046	PATHAN ARJUBANU FIROJKHAN	A. F. P.
BC052	20BCUOS082	PUNJABI NISTHA SANJAYKUMAR	Nistha
BC054	20BCUOS034	RABARI DHAVALKUMAR DIPAKBHAI	D. D. B.
BC056	20BCUBS060	RAMI PRACHI URVESHKUMAR	Prachi
BC057	20BCUBS027	RANPURA RIDDHI ASHOKBHAI	AB
BC058	20BCUSS070	ROHIT JAIMINI BHAILALBHAI	Rohit
BC059	20BCUOS012	SHAH AAKASHKUMAR RAJESHKUMAR	Aakash
BC061	20BCUOS086	SHAH TITHI MAULIK	AB
BC062	20BCUOS039	SHARMA AYUSHI KALPESHKUMAR	AB
BC063	20BCUOS059	SHINDE JEET RAMKRISHNA	Jeet
BC064	20BCUOS019	SHIVDASANI NISHIT SWETA	Nishit
BC065	20BCUOS022	SHIYANI HENI NILESHBHAI	AB
BC067	20BCUOS033	SONI GAURAV SANJAYBHAI	Gaurav
BC071	20BCUOS057	VAGHELA DARSHANKUMAR AJITSINH	Darshan
BC074	20BCUBS002	VALAND KRUPAL BIPINKUMAR	AB



Exam No	StudentID	Name	30th July 2022
BC002	20BCUOS021	ANSARI MD KAIF SAGIR AHMED	Ab
BC003	20BCUOS035	BACHANI DEVKUMAR HIRALAL	Dev
BC004	20BCUOS055	BHATIA TAPAN ANIL	Tapan
BC005	20BCUOS087	BRAHMBHATT JANVI DHARMVIR	Janvi
BC006	20BCUOS069	BRAHMBHATT YASH BHARATKUMAR	Y.B.B.
BC007	20BCUOS068	CHALODIYA KUSH MUKESHBHAI	Kush
BC010	20BCUSS078	DAFDA AHUTIBEN GIRISHBHAI	Ahuti
BC011	20BCUBS062	DARJI ISHANI MANISHBHAI	Ishani
BC015	19BCUOS081	DHOLAKIYA RUDRA AMRISHBHAI	Rudra
BC017	20BCUBS044	GADHAVI HARVEERDAN ANADUBHAI	Harveer
BC018	20BCUOS081	GANDHI SAGAR SANJAYBHAI	Sagar
BC020	20BCUBS074	GOHEL YASH HARISHBHAI	Yash
BC021	20BCUOS065	JAMOD MANSI PARSHOTTAMBHAI	Mansi
BC022	20BCUOS013	KADAM SIDDHARTH GAUTAM	Siddharth
BC025	20BCUOS017	KHATRI ROSHNIBEN RAJESHBHAI	Roshni
BC026	20BCUOS083	MADAN GEHNA PARESH	Geena
BC028	20BCUOS056	MANSURI UZMABEN ASIFBHAI	M. U. A.
BC029	20BCUSS045	MUNJAL ADITYA BHAVIN	Aditya
BC031	20BCUOS054	PANCHAL NIKUL MAHESHBHAI	Nikul
BC032	20BCUBS076	PANCHAL RIYA MANOJBHAI	Riya
BC035	20BCUOS001	PARMAR HEMIL SHAILESH	Hemil
BC036	20BCUSS080	PARMAR RAJESHWARI VINODBHAI	Rajeshwari
BC041	20BCUOS067	PATEL JEET ANILKUMAR	Jeet
BC042	19BCUOS088	PATEL KANDARP YOGESHBHAI	Kandarp
BC044	20BCUOS016	PATEL KUNALKUMAR VIPULBHAI	Kunal
BC045	20BCUOS077	PATEL NISHI SUNILBHAI	Nishi
BC046	20BCUOS007	PATEL PREM CHIRAGBHAI	Prem
BC048	20BCUOS066	PATEL TIRTHKUMAR HITESHKUMAR	Tirth
BC051	20BCUOS046	PATHAN ARJUBANU FIROJKHAN	Arjubanu
BC052	20BCUOS082	PUNJABI NISTHA SANJAYKUMAR	Nistha
BC054	20BCUOS034	RABARI DHAVALKUMAR DIPAKBHAI	D.D.R
BC056	20BCUBS060	RAMI PRACHI URVESHKUMAR	Prachi
BC057	20BCUBS027	RANPURA RIDDHI ASHOKBHAI	Riddhi
BC058	20BCUSS070	ROHIT JAIMINI BHAILALBHAI	Rohit
BC059	20BCUOS012	SHAH AAKASHKUMAR RAJESHKUMAR	Aakash
BC061	20BCUOS086	SHAH TITHI MAULIK	Tithi
BC062	20BCUOS039	SHARMA AYUSHI KALPESHKUMAR	Ayushi
BC063	20BCUOS059	SHINDE JEET RAMKRISHNA	Jeet
BC064	20BCUOS019	SHIVDASANI NISHIT SWETA	Nishit
BC065	20BCUOS022	SHIYANI HENI NILESHBHAI	Hen
BC067	20BCUOS033	SONI GAURAV SANJAYBHAI	Gaurav
BC071	20BCUOS057	VAGHELA DARSHANKUMAR AJITSINH	Darshan
BC074	20BCUBS002	VALAND KRUPAL BIPINKUMAR	Krupal



**DHARMSINH DESAI UNIVERSITY, NADIAD**  
**Workshop on "Programming in Python"**

**BCA Department**

Exam No	StudentID	Name	13th August 2022
BC002	20BCUOS021	ANSARI MD KAIF SAGIR AHMED	AB
BC003	20BCUOS035	BACHANI DEVKUMAR HIRALAL	AB
BC004	20BCUOS055	BHATIA TAPAN ANIL	Topan
BC005	20BCUOS087	BRAHMBHATT JANVI DHARMVIR	Janvi
BC006	20BCUOS069	BRAHMBHATT YASH BHARATKUMAR	Y. B. B.
BC007	20BCUOS068	CHALODIYA KUSH MUKESHBHAI	AB
BC010	20BCUSS078	DAFDA AHUTIBEN GIRISHBHAI	Ahuti
BC011	20BCUBS062	DARJI ISHANI MANISHBHAI	Ishani
BC015	19BCUOS081	DHOLAKIYA RUDRA AMRISHBHAI	AB
BC017	20BCUBS044	GADHAVI HARVEERDAN ANADUBHAI	AB
BC018	20BCUOS081	GANDHI SAGAR SANJAYBHAI	Sagar
BC020	20BCUBS074	GOHEL YASH HARISHBHAI	Yash
BC021	20BCUOS065	JAMOD MANSI PARSHOTTAMBHAI	AB
BC022	20BCUOS013	KADAM SIDDHARTH GAUTAM	AB
BC025	20BCUOS017	KHATRI ROSHNIBEN RAJESHBHAI	AB
BC026	20BCUOS083	MADAN GEHNA PARESH	AB
BC028	20BCUOS056	MANSURI UZMABEN ASIFBHAI	AB
BC029	20BCUSS045	MUNJAL ADITYA BHAVIN	AB
BC031	20BCUOS054	PANCHAL NIKUL MAHESHBHAI	Nikul
BC032	20BCUBS076	PANCHAL RIYA MANOJBHAI	Riya
BC035	20BCUOS001	PARMAR HEMIL SHAILESH	AB
BC036	20BCUSS080	PARMAR RAJESHWARI VINODBHAI	AB
BC041	20BCUOS067	PATEL JEET ANILKUMAR	Jeet
BC042	19BCUOS088	PATEL KANDARP YOGESHBHAI	AB
BC044	20BCUOS016	PATEL KUNALKUMAR VIPULBHAI	Kun
BC045	20BCUOS077	PATEL NISHI SUNILBHAI	Nishi
BC046	20BCUOS007	PATEL PREM CHIRAGBHAI	Prem
BC048	20BCUOS066	PATEL TIRTHKUMAR HITESHKUMAR	AB
BC051	20BCUOS046	PATHAN ARJUBANU FIROJKHAN	AB
BC052	20BCUOS082	PUNJABI NISTHA SANJAYKUMAR	Nistha
BC054	20BCUOS034	RABARI DHAVALKUMAR DIPAKBHAI	AB
BC056	20BCUBS060	RAMI PRACHI URVESHKUMAR	Prachi
BC057	20BCUBS027	RANPURA RIDDHI ASHOKBHAI	Riddhi
BC058	20BCUSS070	ROHIT JAIMINI BHAILALBHAI	Rohit
BC059	20BCUOS012	SHAH AAKASHKUMAR RAJESHKUMAR	Aakash
BC061	20BCUOS086	SHAH TITHI MAULIK	AB
BC062	20BCUOS039	SHARMA AYUSHI KALPESHKUMAR	AB
BC063	20BCUOS059	SHINDE JEET RAMKRISHNA	Jeet
BC064	20BCUOS019	SHIVDASANI NISHIT SWETA	AB
BC065	20BCUOS022	SHIYANI HENI NILESHBHAI	AB
BC067	20BCUOS033	SONI GAURAV SANJAYBHAI	Gaurav
BC071	20BCUOS057	VAGHELA DARSHANKUMAR AJITSINH	Darshan
BC074	20BCUBS002	VALAND KRUPAL BIPINKUMAR	AB



**Workshop on "Programming in Python"**

**BCA Department**

Exam No	StudentID	Name	22nd July 2022
✓BC002	20BCUOS021	ANSARI MD KAIF SAGIR AHMED	P
✓BC003	20BCUOS035	BACHANI DEVKUMAR HIRALAL	P
✓BC004	20BCUOS055	BHATIA TAPAN ANIL	P
✓BC005	20BCUOS087	BRAHMBHATT JANVI DHARMVIR	P
✓BC006	20BCUOS069	BRAHMBHATT YASH BHARATKUMAR	P
✓BC007	20BCUOS068	CHALODIYA KUSH MUKESHBHAI	P
✓BC010	20BCUSS078	DAFDA AHUTIBEN GIRISHBHAI	P
✓BC011	20BCUBS062	DARJI ISHANI MANISHBHAI	P
✓BC015	19BCUOS081	DHOLAKIYA RUDRA AMRISHBHAI	P
✓BC017	20BCUBS044	GADHAVI HARVEERDAN ANADUBHAI	P
✓BC018	20BCUOS081	GANDHI SAGAR SANJAYBHAI	P
✓BC020	20BCUBS074	GOHEL YASH HARISHBHAI	P
✓BC021	20BCUOS065	JAMOD MANSI PARSHOTTAMBHAI	P
✓BC022	20BCUOS013	KADAM SIDDHARTH GAUTAM	P
✓BC025	20BCUOS017	KHATRI ROSHNIBEN RAJESHBHAI	P
✓BC026	20BCUOS083	MADAN GEHNA PARESH	P
✓BC028	20BCUOS056	MANSURI UZMABEN ASIFBHAI	P
✓BC029	20BCUSS045	MUNJAL ADITYA BHAVIN	P
BC031	20BCUOS054	PANCHAL NIKUL MAHESHBHAI	Ab
✓BC032	20BCUBS076	PANCHAL RIYA MANOJBHAI	P
✓BC035	20BCUOS001	PARMAR HEMIL SHAILESH	P
✓BC036	20BCUSS080	PARMAR RAJESHWARI VINODBHAI	P
✓BC041	20BCUOS067	PATEL JEET ANILKUMAR	P
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✓BC044	20BCUOS016	PATEL KUNALKUMAR VIPULBHAI	P
✓BC045	20BCUOS077	PATEL NISHI SUNILBHAI	P
✓BC046	20BCUOS007	PATEL PREM CHIRAGBHAI	P
✓BC048	20BCUOS066	PATEL TIRTHKUMAR HITESHKUMAR	P
✓BC051	20BCUOS046	PATHAN ARJUBANU FIROJKHAN	P
✓BC052	20BCUOS082	PUNJABI NISTHA SANJAYKUMAR	P
✓BC054	20BCUOS034	RABARI DHAVALKUMAR DIPAKBHAI	P
✓BC056	20BCUBS060	RAMI PRACHI URVESHKUMAR	P
✓BC057	20BCUBS027	RANPURA RIDDHI ASHOKBHAI	P
✓BC058	20BCUSS070	ROHIT JAIMINI BHAILALBHAI	P
✓BC059	20BCUOS012	SHAH AAKASHKUMAR RAJESHKUMAR	P
✓BC061	20BCUOS086	SHAH TITHI MAULIK	P
✓BC062	20BCUOS039	SHARMA AYUSHI KALPESHKUMAR	P
✓BC063	20BCUOS059	SHINDE JEET RAMKRISHNA	P
✓BC064	20BCUOS019	SHIVDASANI NISHIT SWETA	P
BC065	20BCUOS022	SHIYANI HENI NILESHBHAI	Ab
✓BC067	20BCUOS033	SONI GAURAV SANJAYBHAI	P
✓BC071	20BCUOS057	VAGHELA DARSHANKUMAR AJITSINH	P
✓BC074	20BCUBS002	VALAND KRUPAL BIPINKUMAR	P





AICTE ATAL Online FDP on  
**Recent Advances in VLSI  
Design and System**  
Report

Organized by:



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Department of Electronics & Communication  
Dharmsinh Desai University

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## **Recent Advances in VLSI Design and System**

Department of Electronics & Communication, Dharmsinh Desai University

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22nd Nov-26 Nov, 2021

### **Brief Summary:**

Department of Electronics & Communication, Dharmsinh Desai University organized a One week online Faculty Development Program on Recent Advances in VLSI System and Design, during 22th November to 26th November 2021.

The program was attended by 89 participants from 15 states of India. Out of which 25% of participants are from the host institute, 15% from other institutes of Gujarat state and 60% are from out of state institutes.

The program had 14 sessions delivered by various reputed organizations like IIT Bombay, IIT Gandhinagar, IISc Bangalore and leading semiconductor companies Intel, eInfochips and Cadence's resource persons. One session was delivered by the AICTE ATAL approved speaker on the subject Human Values in Education. Each session was of two hours. The program was organized on the platform Google Meet.

### **Key Learnings:**

The participants were able to get the complete exposure of the VLSI field. Many of the sessions were about the basics of the field. Many of the sessions were about the most advanced topics which motivated them towards research.

Faculties also got the idea about how to open new avenues in industry knowledge and relations for their students.

#### **Day 1:**

On the first day the Inauguration function was arranged by the Department of Electronics & Communication. Dr. Mitesh Limachia, the coordinator of the program, greeted the gathering and briefed about the program. The chief guest of the program Prof. K. N. Sheth appreciated the initiative and shared good practices and efforts by the university to make the teaching learning better. He also made a note that the speakers are highly reputed resource persons of the field. Dr. Purvang Dalal, Head of the Department welcomed everyone and appealed to the audience to make the most of the program by making the program interactive.

The first session was delivered by Mr. Nilesh Ranpura, Senior Delivery Manager, eInfochips, An Arrow Company. He talked about the ecosystem of the electronics industry, latest products, and the international market of VLSI Chip Design.

The complete schedule of the FDP is as follows.

**AICTE ATAL FDP on**  
**Recent Advances in VLSI Design and System**

**Department of Electronics & Communication, Dharmsinh Desai University**

**FDP Schedule**

Inauguration Ceremony is on 9.00 AM, 22<sup>nd</sup> Nov-2021

	<b>Session-1 (9.30 to 11.30)</b>	<b>Session-2 (12.30 to 2.30)</b>	<b>Session-3 (3.00 to 5.00)</b>
<b>Day 1 (22/11)</b>	Introduction to ASIC/VLSI Design Flow  <b>Speaker:</b> Mr. Nilesh Ranpura, Delivery Manager, eInfochips, Ahmedabad	Digital Design and Modelling  <b>Speaker:</b> Mr. Keyur Mistry, Engineering Manager, Intel India Pvt Ltd, Bangalore	Lab session on Modelling and Simulations of Digital Circuits  <b>Conducted by:</b> Dr. Mitesh Limachia & Prof. Marmik Soni EC, DDU.
<b>Day 2 (23/11)</b>	Design for Testability (DFT) in VLSI design process  <b>Speaker:</b> Mr. Bhavesh Gopani eInfochips	FinFET- a substitute of bulk MOSFET  <b>Speaker:</b> Dr. Rajesh Thakker (Ph.D. IITB), Ex Principal, GEC Rajkot	Fundamentals of physical design  <b>Speaker:</b> Mr. Rajesh Yadav, Ruchita Shah, eInfochips
<b>Day 3 (24/11)</b>	Verification IP overview  <b>Speaker:</b> Mr. Deep Mehta, Principal Product Engineer, Cadence System, Ahmedabad	Device and Circuit interaction in advanced devices  <b>Speaker:</b> Dr. Nihar Mohapatra, Professor, IIT Gandhinagar <b>Time: (12.00 to 1.45 p.m.)</b>	Nanotechnology for Mobile Systems  <b>Speaker:</b> Dr. Mayank Shrivastava, Asso. Professor, IISC Bangalore <b>Time: (4.00 to 6.00 p.m.)</b>
<b>Day 4 (25/11)</b>	Use of automation in verification flow  <b>Speaker:</b> Mr. Kaushal Vala Software engineer II, Cadence System, Ahmedabad	Single error and multiple tolerant guarded dual-modular redundancy technique  <b>Speaker:</b> Dr. Joyce M. Mekie, Asst. Professor, IIT Gandhinagar	Lab session on verification of DUT using Verilog HDL  <b>Conducted by:</b> Dr. Mitesh Limachia & Prof. Marmik Soni, EC, DDU.
<b>Day 5 (26/11)</b>	Lab session on simulations of CMOS based circuitries using SPICE tool  <b>Conducted by:</b> Dr. Mitesh Limachia, Prof. Hardik Patel, EC, DDU.	Mental & Emotional Development, Stress Management & Meditation  <b>Speaker:</b> Mr. Samir Shah MSU, Vadodara.	Exam Session & Valedictory



The second session was conducted by Mr. Keyur on Digital Design & Modelling. He is working as an Engineering Manager at Intel. He mentioned the ASIC design Flow, role of Digital Designing in the ASIC industry.

Day's last session was delivered by in-house experts Dr. Mitesh Limachia and Prof. Marmik Soni. It was a Lab session on Modelling and Simulations of Digital Circuits. Participants also attended the Inauguration function by the AICTE ATAL Team also. In this lab session, we discussed the overview of verilog as a hardware description language (HDL). We have discussed various modelling techniques of verilog HDL like gate level, data flow and behavioural modelling techniques. Use of modelling techniques were demonstrated by taking a few examples of combination and sequential circuits. Simulations of aforementioned circuits were demonstrated by using EDA tool Quartus-II.

#### **Day 2:**

The morning session was delivered by Mr. Bhavesh Gopani on Design for Testability (DFT) in the VLSI design process. Mr. Bhavesh Gopani is the senior DFT engineer at eInfochips. He explained the DFT process from scratch. The DFT process, its requirement, sections, and future challenges he mentioned.

Day's second session was delivered by Dr. Rajesh Thakkar on FinFET- a substitute of bulk MOSFET. Sir, discussed a few research paper outcomes, charts, materials, and website towards the multi gate FET simulations.

Session 3 Fundamentals of physical design Speaker: Mr. Rajesh Yadav, Ruchita Shah, eInfochips. The session was a blend of academic stature and industry expectation in the field of Physical Design. His session had many question answers to cater the curiosity of participants for the Physical Design field.

#### **Day 3:**

On the third day the first talk was on, Verification IP overview. The speaker was senior engineer Mr. Deep Mehta, Principal Product Engineer, Cadence System, Ahmedabad. He was quite interactive and understood the tone and pace of all the participants nicely. He briefed about the complete verification process flow. His session was quite interactive.

Second session for the day was by Dr. Nihar Mohapatra, Professor, IIT Gandhinagar on Device and Circuit interaction in advanced devices. He explained well the circuit and device interaction aspect of the VLSI design. He is a reputed research scholar also. His talk was appreciated by all the participants.

Third session was delivered by Dr. Mayank Shrivastava on 'Nano Technology for Mobile Devices'. He has 47 patents and 157 peer reviewed publications. His talk was quite vibrant and had the multi dimensional inclinations, like the economical aspects, market scenario, trends, future suggestions for young entrepreneurs. He also discussed India's role in the VLSI world in the coming days.

#### **Day 4:**

On Day 4, the first expert session was on, 'Use of automation in verification flow' The speaker was Mr. Kaushal Vala, Software engineer II, Cadence System, Ahmedabad. Kaushal gave many analogical and real life examples to relate the process of verification automation.

The second session was titled as, 'Single error and multiple tolerant guarded dual modular redundancy technique' by the speaker, Dr. Joycee M. Mekie, Asst. Professor, IIT Gandhinagar. Madam got tremendous feedback by the participants at the end of the session. One of the participants said this session was beyond his expectations.

On day four the last session was a laboratory session based on verification of design under test (DUT) using Verilog HDL.

The laboratory session was conducted by Dr. Mitesh Limachia and Prof. Marmik Soni. In the beginning of the lab session, we demonstrated the suitability of that EDA tool Modelsim (Mentor graphics) for writing testbench for the given DUT. Using the EDA tool Modelsim, we demonstrated how one is able to write testbench and bind that with DUT. Testbench creation was discussed by taking examples of full adder and 4-bit sequential up-counter circuitries. Few assignments were also given to participants for hands-on.

#### **Day 5:**

On the last day of the FDP, the first session was a laboratory session. It was based on simulations of CMOS based circuitries using the SPICE tool. The lab session was conducted by Dr. Mitesh Limachia and Prof. Hardik Patel. In the first half of this lab session, we gave the idea about SPICE simulations using the EDA tool SPICE. We have demonstrated all the useful features of the SPICE tool. We have demonstrated simulation of DC and AC characteristics of an inverter using the SPICE tool.

In the second half of the lab session, we demonstrated how one can write SPICE netlist of complex circuits like static random access memory (SRAM). We have also demonstrated simulation of read, write and hold operation of SRAM. Few assignments were also given to participants for hands-on.

As per the AICTE ATAL guideline the mandatory session on human values & stress management. The session was on Mental & Emotional Development, Stress Management & Meditation by the AICTE ATAL certified speaker, Mr. Samir Shah MSU, Vadodara. He was quite committed and really nicely prepared. All the participants were so involved and engaged during his talk.

After that the valedictory function started. The chief guest of the valedictory function was Dr. M. S. Rao (Dean, Faculty Welfare, Dharmsinh Desai University), Dr. Purvang Dalal (Head, Department of Electronics & Communication, Dharmsinh Desai University), Dr. Harish Sahu (Scientist, DRDO- An ATAL representative). Initially the coordinator Prof. Marmik Soni welcomed all the participants and guests. He also quickly briefed the attendees about the overall FDP, participants, sessions, and progress in the last five days. He opened the forum for the feedback by the participants.

Participants gave wonderful feedback. A few participants appreciated the particular sessions, punctuality in the complete event, speaker selection, laboratory sessions, and efforts by the coordinators. Prof. Narendra Lokhande said he has attended the second such program by DDU and he was so happy being part of the FDP. Prof. Gaganpreet Kaur said in his experience of 15 years, she has not attended any FDP of this level. Dr. Killol said the push,

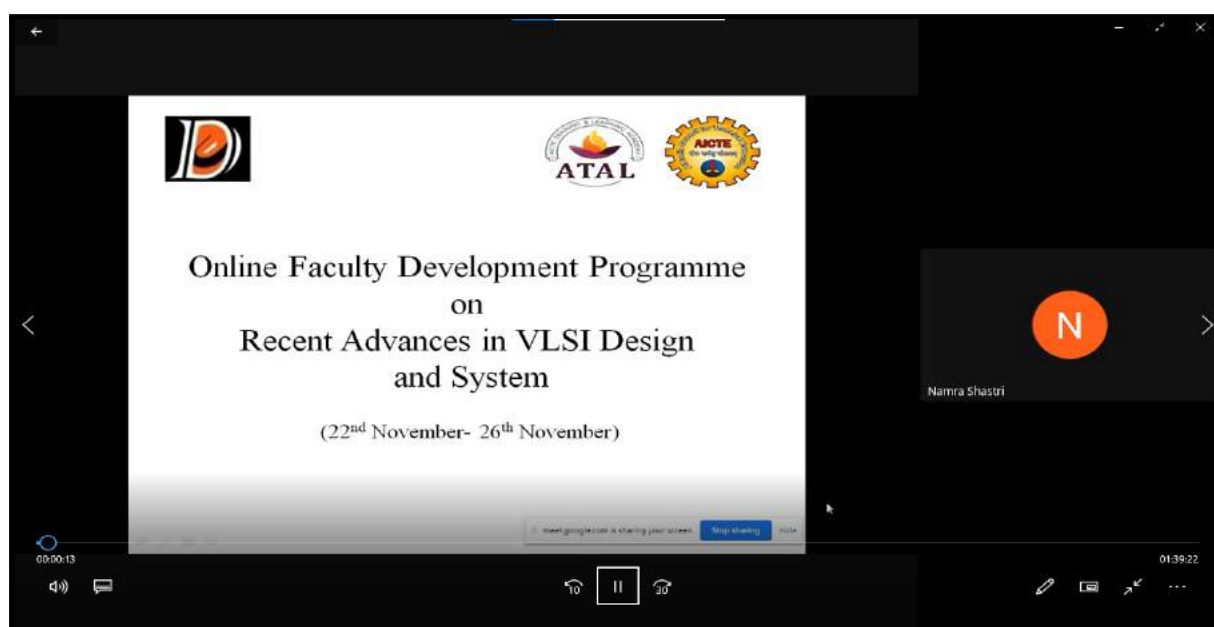
regular updates, reminders, assignment by the coordinators were some of the meticulous efforts.

Prof. Yogesh Tiwari, Miss Monica Gupta, Prof. Bhumika Kavaiya expressed their experience in FDP and thanked the coordinators and host institute for the success of the program.

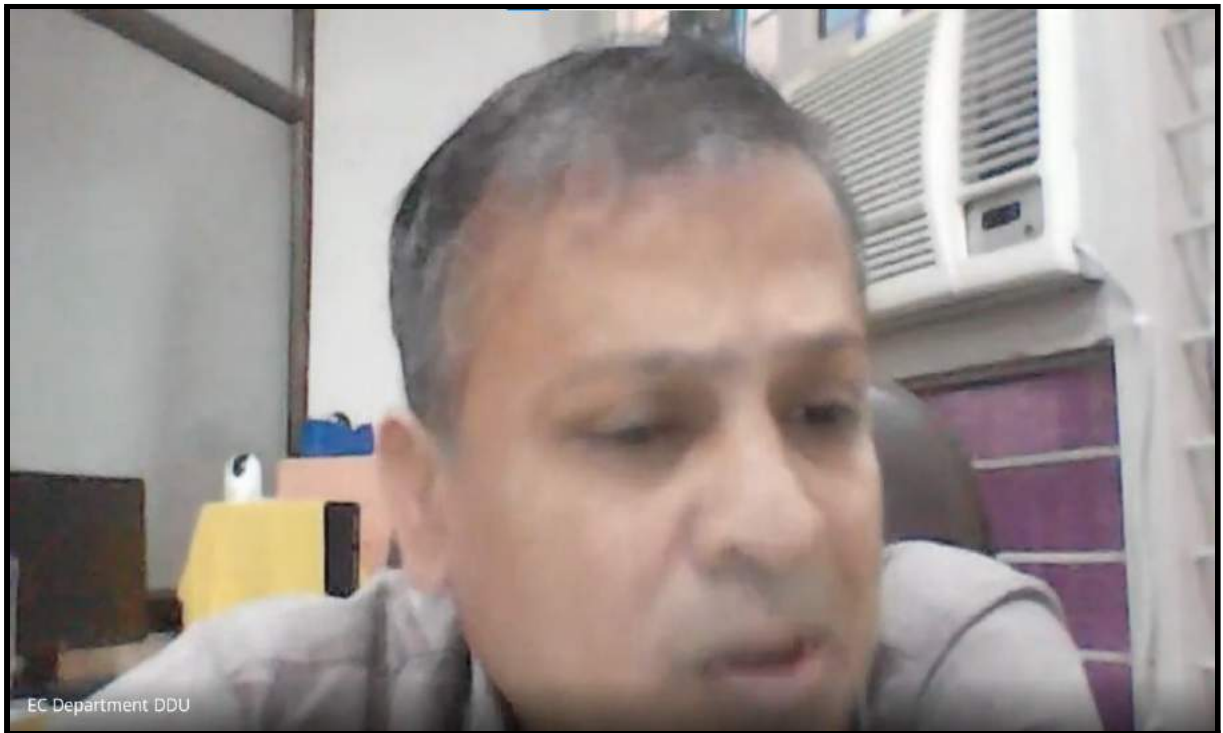
After this the Chief guest Dr. M. S. Rao, who is well known name in the academics, also the Head of the Chemical Engineering Department gave a speech appreciating the arrangements and efforts by Department of Electronics and Communication. Then Prof. Hardik Pandya expressed the vote of thanks to speakers, HoD EC Department, Dean Sir Prof. K. N. Sheth, Campus Director Ankur Desai Sir, Vice Chancellor Dr. H. M. Desai Sir for his continuous guidance and support. He exclusively thanked AICTE ATAL forum for their sponsorship. He also thanked Dr. Harish Sahu Sir, (Scientist, DRDO - ATAL Expert).

Post valedictory an exam was arranged for all the participants.

### Few Moments:









## Target Area



- Digital Circuits  
Modeling, simulations and Verification
- Design for Testability (DFT)
- State-of-art in Semiconductor Devices  
Device and Circuit interaction in advanced MOS devices  
Nanotechnology for Mobile Systems
- System Level Solutions  
Radiation Hardening












Dr. Mitesh Limachia

00:01:58
01:37:37

REC
Mayank Shrivastava is presenting





### The Future of (Micro) Electronics and Possible Roles India Can Play: Nanotechnology for Mobile Systems

Prof. Mayank Shrivastava  
Associate Professor  
Department of ESE  
Indian Institute of Science  
E-mail: mayank@iisc.ac.in



You



Mayank Shrivastava



Dr. Mitesh Limachia

B

P

36 others

tcc-lyyr-zwd
40

Track Attendance














REC deep mehta is presenting



deep mehta

Tracking Started  
24 min 28s ago  
Click To Generate Report

10:32 | tcc-iyyr-zwd

47

You

deep mehta (Presenting)

44 others

47

REC Mayank Shrivastava is presenting



Mayank Shrivastava

Track Attendance

tcc-iyyr-zwd

41

You

Outline: Future of Electronics  
Dr. Mitesh Limachia

B P

37 others

41



REC Mayank Shrivastava is presenting

tcc-lyyr-zwd Track Attendance

You  
Mayank Shrivastava  
Vidya S  
40 others

REC Mayank Shrivastava is presenting

## "Killer" – Semiconductor Technology

- Integration
- Better Semiconductors
- Improved Passives
- Improved Magnetics
- Higher Frequency
- Lower Losses
- Thermal Design
- Device Circuit co-design
- Design Software
- Model
- Kit Solutions
- Reliable Semiconductors
- Thermal Design
- Stress Analysis
- Reliability aware Design

Advanced Nanoelectronic Device & Circuit Research Group (Prof. Mayank Shrivastava) IISc Confidential

tcc-lyyr-zwd Track Attendance

You  
Mayank Shrivastava  
Premanand Kadbie  
39 others

REC

VALA KAUSHAL is presenting

# Scripting Vs. Programming



tcc-lyyr-zwd

You

VALA KAUSHAL

Dr. Mitesh Limachia

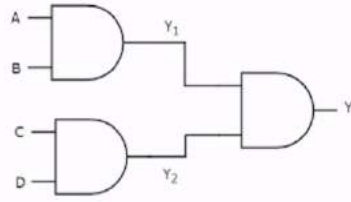
S  
45 others

REC

VALA KAUSHAL is presenting

## Use of Automation

A typical verification flow has many configuration files.  
This configuration file has ~~hundreds~~ / ~~thousands~~ parameters.



tcc-lyyr-zwd

You

VALA KAUSHAL

Dr. Killol Pandya

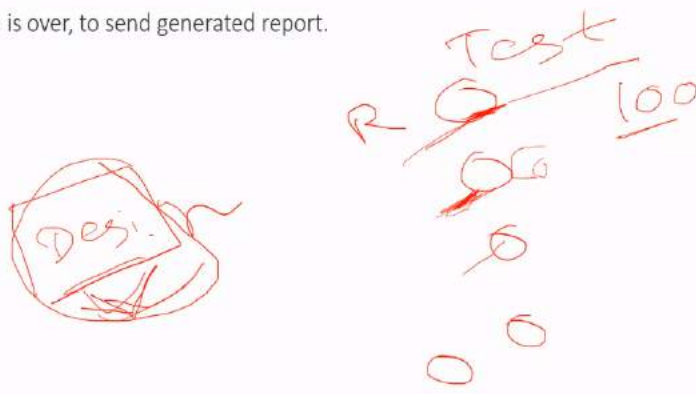
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46 others

REC

VALA KAUSHAL is presenting

# Areas where scripting is useful

Regression setup and regression launching.  
Once regression is over, to send generated report.



You

VALA KAUSHAL

Narendra Lokhande

S P  
44 others

tcc-lyyr-zwd

REC

Joycee Mekie is presenting



Joycee Mekie

You

Angie Kaur's Home

Dr. Mitesh Limachia

S  
45 others

tcc-lyyr-zwd



REC Joydeep Mehta is presenting

5 Single Event Effects

```
graph TD; A[Single Event Effects] --> B[Hard Errors (Permanent damage)]; A --> C[Soft errors (temporary failure)]; B --> D[Single Event Gate Rupture (SEGR)]; B --> E[Single Event Latchup (SEL)]; C --> F[Single Event Transients (SET)]; C --> G[Single Event Upset (SEU)]; C --> H[Single Event Multiple Upsets (SEMU)];
```

11/23/2021

tcc-iyyr-zwd

Dr. Mitesh Limachia

45 others

REC Prof. Hardik Patel is presenting

Introduction to LTspice

Track Attendance

You

AMIT KUMAR

Dr. Mitesh Limachia

23 others

Meet - tcc-iyyr-zwd - Google Chrome  
meet.google.com/tcc-iyyr-zwd?authuser=0

REC N Nileshe Ranpura is presenting

### Semiconductor Industry Ecosystem

The diagram illustrates the Semiconductor Industry Ecosystem. At the center is a red circle labeled 'ESL Companies' with arrows pointing to four main categories: 'IP Vendors' (top), 'Foundries' (right), 'ODM/Manufacturers' (bottom right), and 'EDA/CAD Companies' (left). Each category has associated companies listed around it. 'IP Vendors' includes eInfochips and ARM. 'Foundries' includes TSMC, UMC, SCL, and Chandigarh. 'ODM/Manufacturers' includes Quanta, Gemtek, and Flextronics. 'EDA/CAD Companies' includes Cadence, Synopsys, and Mentor. Above 'IP Vendors' is a green circle labeled 'Research Institutes / Academia' with examples MIT, BU, SU, IIT, CU, IITS, and NITS. Below 'ESL Companies' is a red circle labeled 'Design' with eInfochips. At the bottom of the diagram, a list of companies is shown: Samsung, Apple, Cisco, Intel, Texas Instruments, and Motorola. The eInfochips logo and tagline 'The Solution People' are at the bottom left.

People

Save attendance

Add people

Search for people

In call

- Prof. Hardik Patel (You)
- Alok Tiwari
- AMIT KUMAR
- Amit V Patel
- Arpita Patel

54 others

You

9:55 AM | tcc-iyyr-... Track Attendance

meet.google.com/tcc-iyyr-zwd?authuser=0

REC Mayank Shrivastava is presenting

Mayank Shrivastava

Marmik B. Soni Prof.

Pareesh Sawant

Biren

34 others

You

4:05 PM | tcc-iyyr-... Track Attendance

meet.google.com/tcc-iyrr-zwd?authuser=0

REC

Mayank Shrivastava

5:13 PM | tcc-iyrr-zwd

You

Manish B. Soni Prof.

32 others

In-call messages

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<https://forms.gle/5WApayznYjEIKryH9>

Amit V Patel 5:05 PM  
What is the unit cost for electricity generated (by harvesting) from Graphene based cell?

YOGESH TIWARI 5:10 PM  
Respected Mayank sir. Your work motivated by problem solving , innovative design and solution, Market capture ,startups, patents really is benchmark. Thank you for delivering such an amazing session

Is Litho facility available in IISc bengaluru?

Send a message to everyone

meet.google.com/tcc-iyrr-zwd?authuser=0

REC

Keyur Mistry is presenting

## Hardware Modeling levels

Behavioral or Transaction Level  
(function only)  
always if enable is true  
for (i=0; i<n; i++)

RTL (Register Transfer Level)  
(function only, with clock cycle timing)  
always at every positive edge of clock  
result\_register = a + b + carry

Gate Level  
(also called Structural Level)  
(function & structure)

Digital Switch Level  
(closest to actual silicon)

abstract model

detailed model

1000 ENGINEERING GROUP

1000 Group

Keyur Mistry

sarada m

Bhawanand Jha

Dabhi Sohil Kumar A. Prof.

44 others

You

12:50 PM | tcc-iyrr-... Track Attendance



meet.google.com/tcc-iyyr-zwd?authuser=0

REC deep mehta is presenting

### VIP will offer

- Flexibility & Configurability
- Hook-ups / callbacks for transaction modification
- Error Injection
- Error/Protocol checking
- Recovery

cadence

deep mehta

42 others

You

#### In-call messages

Messages can only be seen by people in the call and are deleted when the call ends.

Marmik B. Soni Prof. 9:40 AM  
Please ans whenever prompted.  
A gentle request.  
This will make the speaker deliver better.

ESTHER T 10:03 AM  
what are the tools available? ... can use to teach students level analog circuit design...

Send a message to everyone

10:04 AM | tcc-iyyr-... Track Attendance

Meet - tcc-iyyr-zwd - Google Chrome

meet.google.com/tcc-iyyr-zwd?authuser=0

REC Nihar Ranjan Mohapatra is presenting

### Transistor dimensions over the years

CMOS Technology Node	Year of Production
10µm	1971
6µm	1974
3µm	1977
1.5µm	1982
1µm	1985
800nm	1989
600nm	1994
350nm	1995
250nm	1997
180nm	1999
130nm	2001
90nm	2003
65nm	2005
45nm	2007
32nm	2009
22nm	2012
14nm	2015
10nm	2018
7nm	2020
5nm	?

7nm CMOS nodes went to production in 2020. Many foundries has announced 5nm CMOS technologies.

Nihar Ranjan Mohapatra

Premanand Kadbe

Biren

Spandana Aaslesha

43 others

You

1:12 PM | tcc-iyyr-... Track Attendance



Meet - tcc-iyyr-zwd - Google Chrome  
meet.google.com/tcc-iyyr-zwd?authuser=0

REC Nihar Ranjan Mohapatra is presenting

## From FinFETs to NsFETs

78

1:55 PM | tcc-iyyr-... Track Attendance

Participants: Nihar Ranjan Mohapatra, Dr. Mitesh Limachia, Biren, Dabhi Sohil Kumar A. Prof., 41 others, You.

Meet - tcc-iyyr-zwd - Google Chrome  
meet.google.com/tcc-iyyr-zwd?authuser=0

REC Nihar Ranjan Mohapatra is presenting

Summary Nihar Ranjan Moh...

Participants: Nihar Ranjan Moh..., Dr. Mitesh Limachia, Biren, Dabhi Sohil Kumar A..., Premanand Kadbe, Pandya Ashish B. Pr..., ameed shah, Rajat Pandey, Dr. M. Madhu Ragh..., Mr. M. Rajmohan As..., Kanak Patel, Dr. Balasaheb Patil, BHUMIKA PATEL, MERLIN THOMAS, Pandya Ashish B. Pr..., 29 others, You.

2:01 PM | tcc-iyyr-... Track Attendance

People

Save attendance

Add people

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In call

- Prof. Hardik Patel (You)
- ameed shah
- AMIT KUMAR
- Amit V Patel
- Ankur Changela



Meet - tcc-iyyr-zwd - Google Chrome  
meet.google.com/tcc-iyyr-zwd?authuser=0

REC Nihar Ranjan Mohapatra is presenting



Nihar Ranjan Mohapatra

2:01 PM | tcc-iyyr-... Track Attendance

44 others

You

People

Save attendance

Add people


Search for people

In call

- Prof. Hardik Patel (You)
- ameed shah
- AMIT KUMAR
- Amit V Patel
- Ankur Changela

Meet - tcc-iyyr-zwd - Google Chrome  
meet.google.com/tcc-iyyr-zwd?authuser=0

REC VALA KAUSHAL is presenting



VALA KAUSHAL

11:25 AM | tcc-iyyr-... Track Attendance

46 others

You

Case study of a configuration file.

VALA KAUSHAL (Pres...)

People

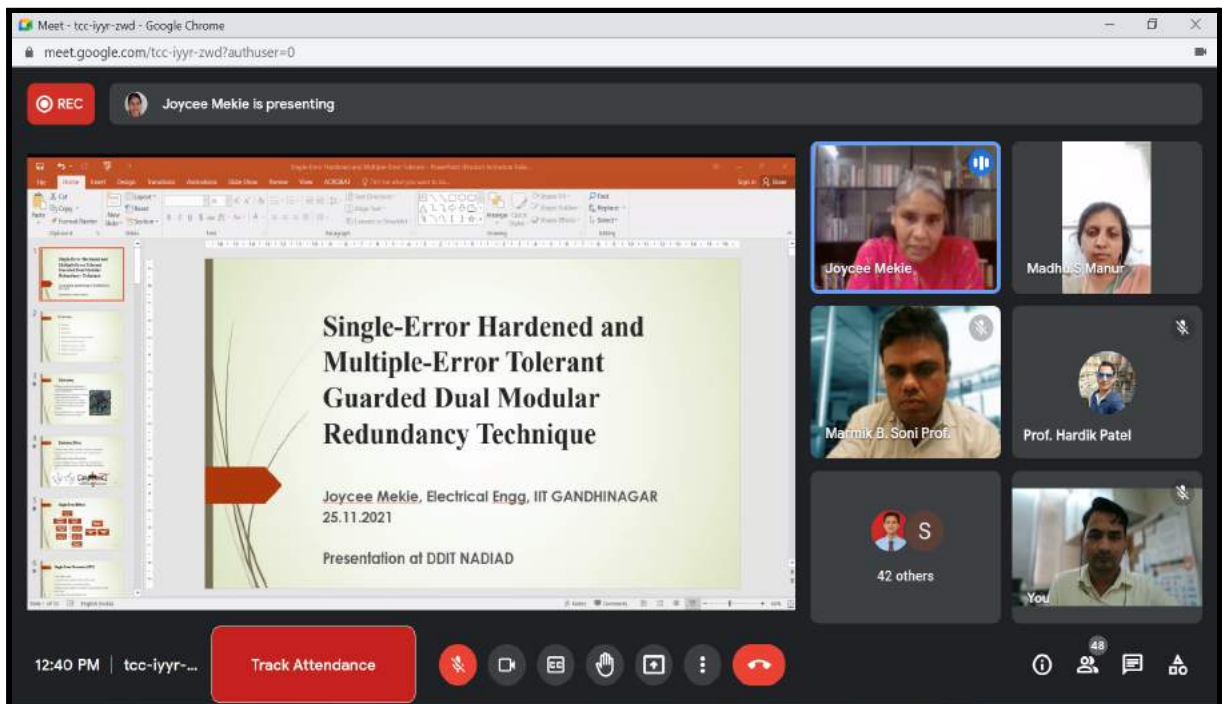
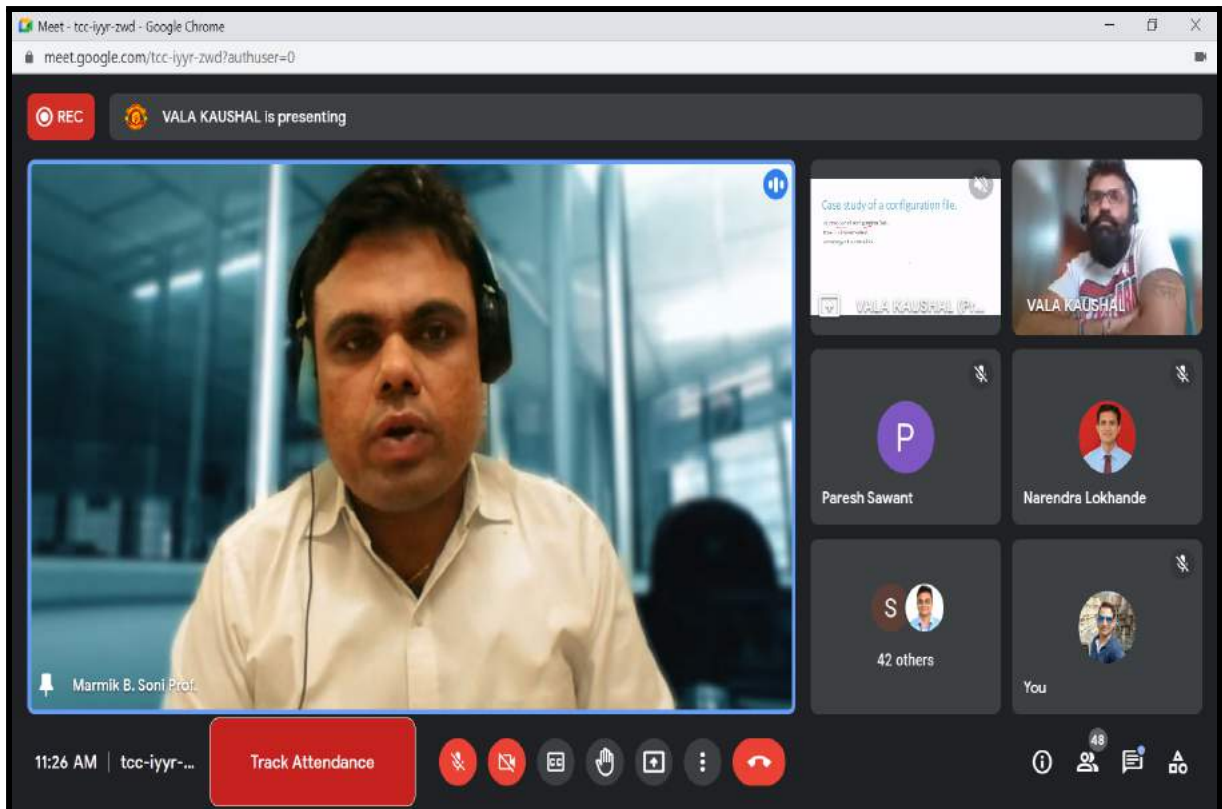
Save attendance

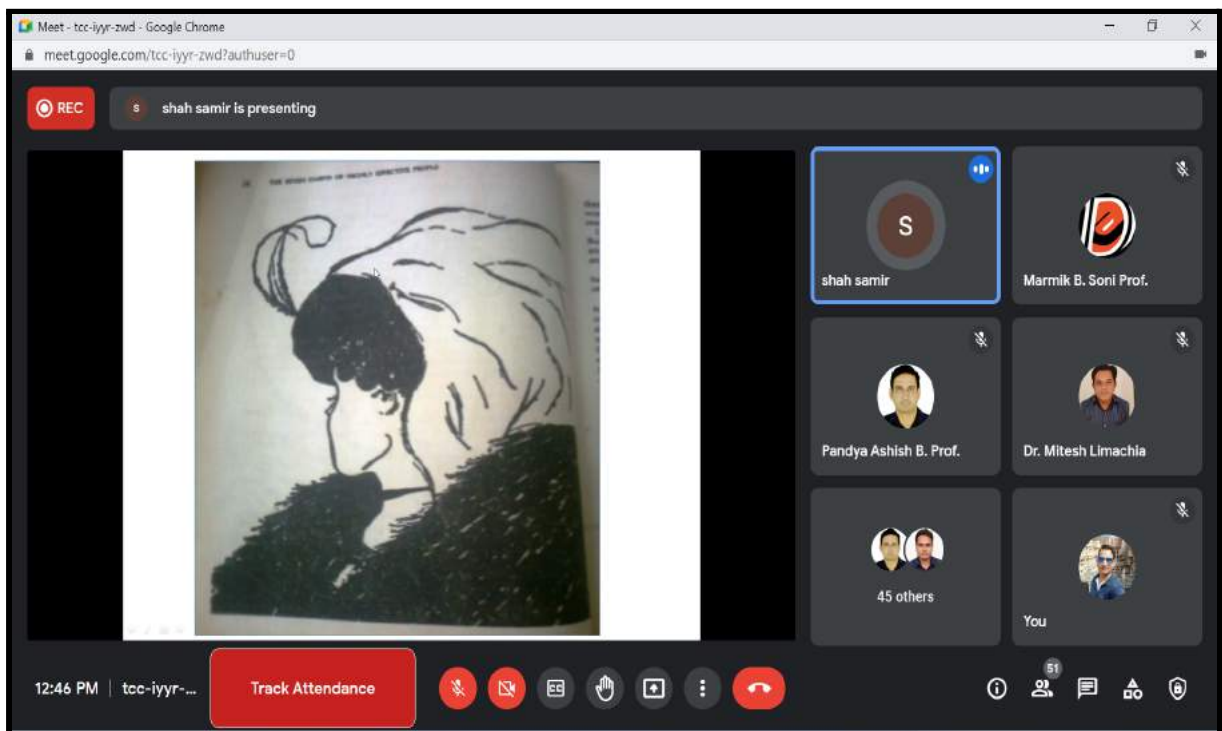
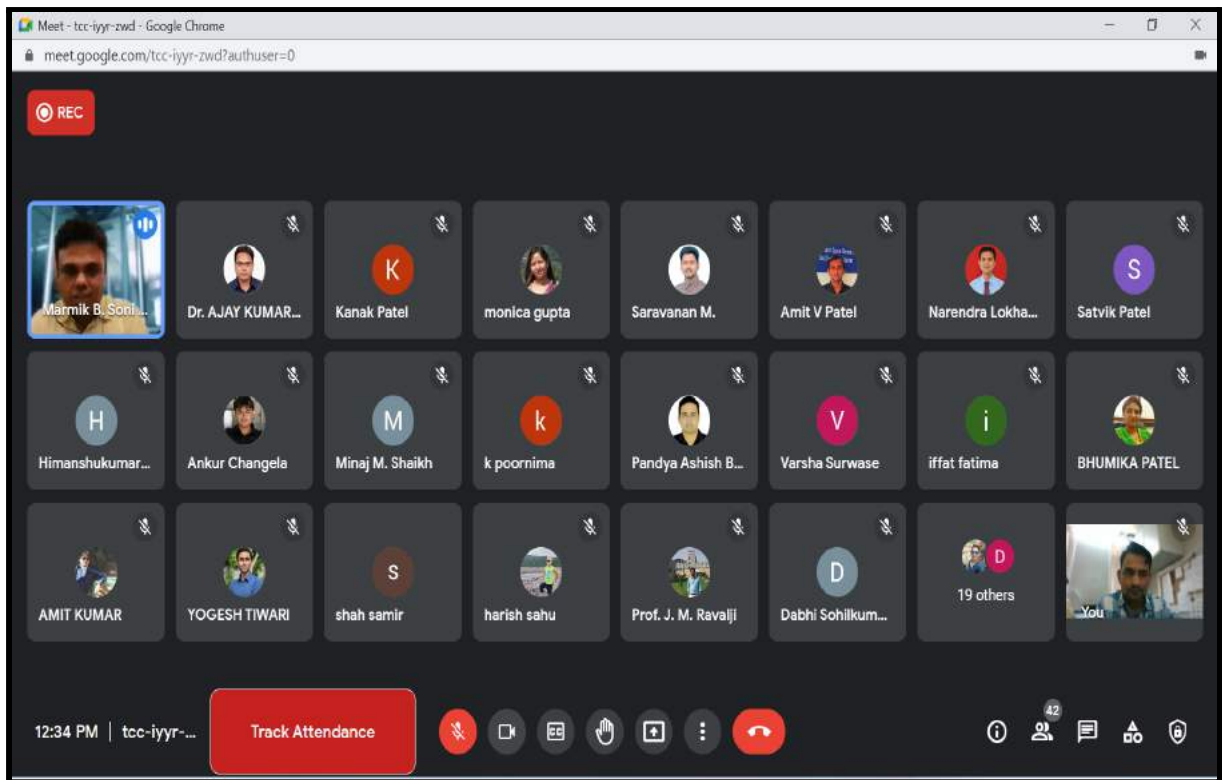
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Search for people

In call

- Prof. Hardik Patel (You)
- AMIT KUMAR
- Amit V Patel
- Ankur Changela
- Arpita Patel







Meet - tcc-iyyr-zwd - Google Chrome  
meet.google.com/tcc-iyyr-zwd?authuser=0

REC shah samir is presenting

shah samir

Marmik B. Soni Prof.

Pandya Ashish B. Prof.

Dr. Mitesh Limachia

45 others

You

1:04 PM | tcc-iyyr-... Track Attendance

Meet - tcc-iyyr-zwd - Google Chrome  
meet.google.com/tcc-iyyr-zwd?authuser=0

REC shah samir is presenting

THE ONLY WAY TO DO GREAT WORK  
IS TO LOVE WHAT YOU DO. IF YOU  
HAVE NOT FOUND IT YET, KEEP  
LOOKING, DO NOT SETTLE.

STEVE JOBS

shah samir

Marmik B. Soni Prof.

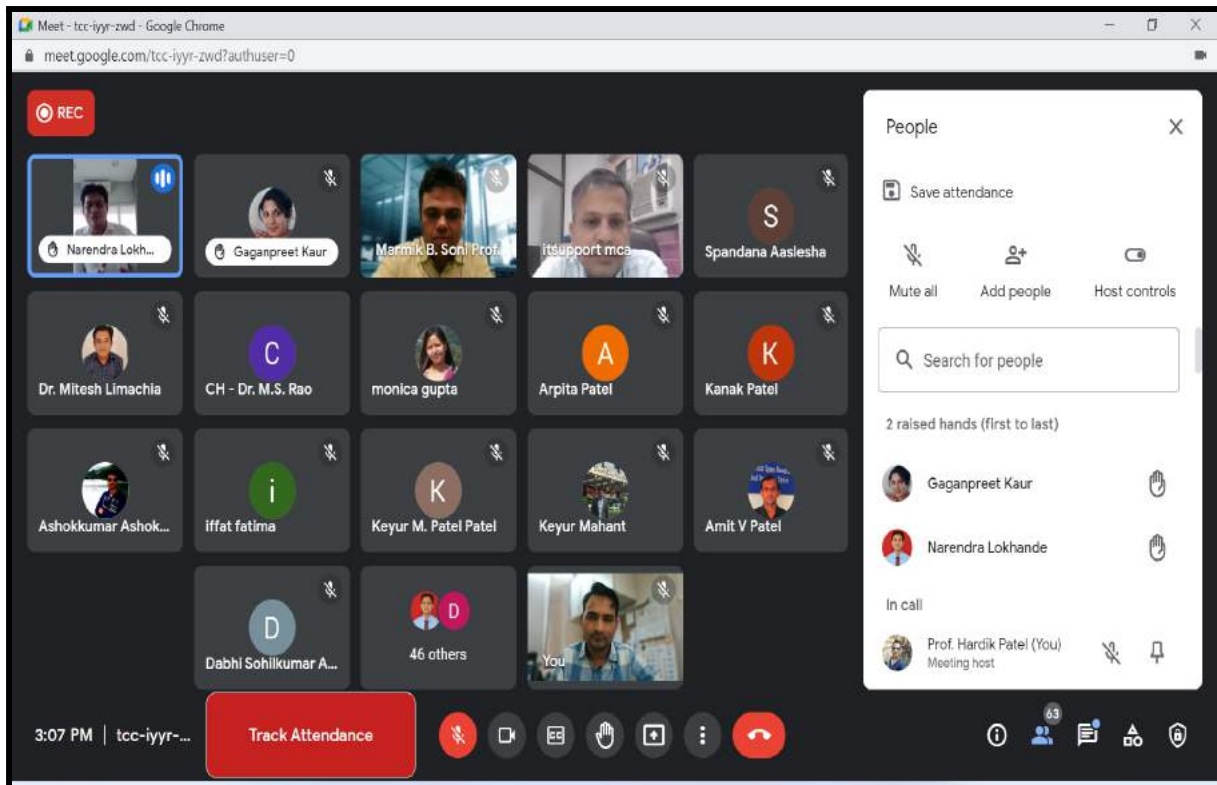
Pandya Ashish B. Prof.

Dr. Mitesh Limachia

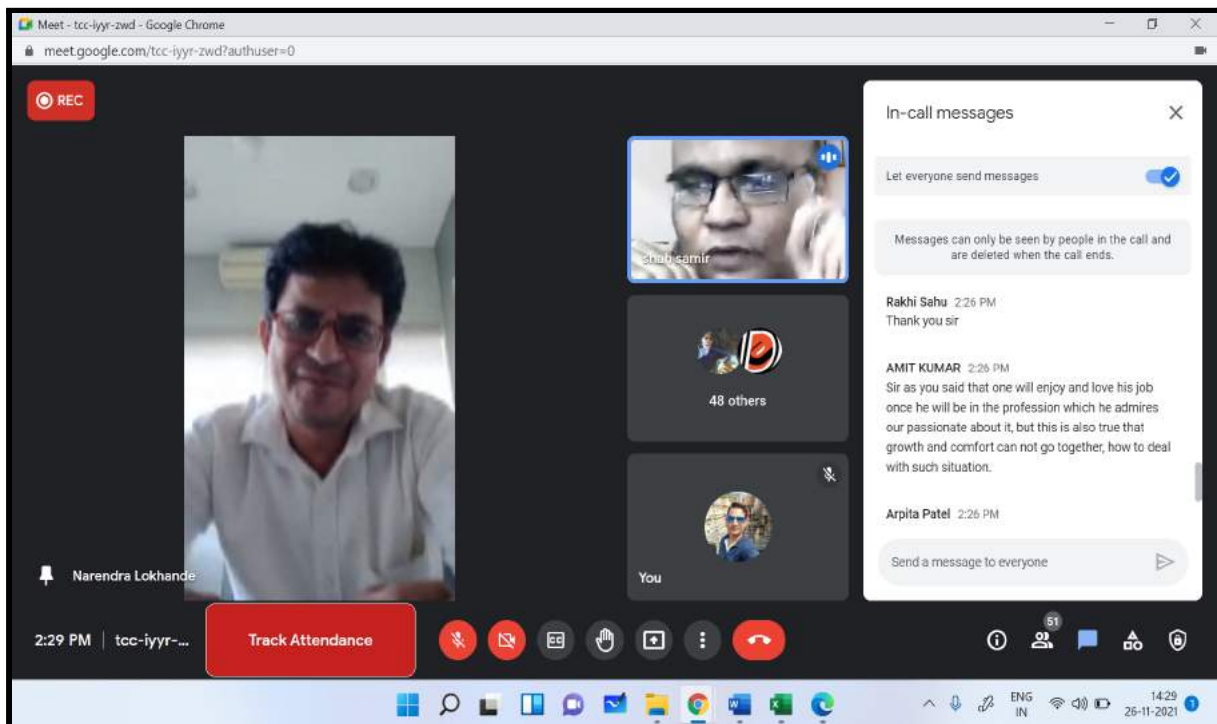
48 others

You

1:15 PM | tcc-iyyr-... Track Attendance



## Few Feedbacks



Meet - tcc-iyyr-zwd - Google Chrome  
meet.google.com/tcc-iyyr-zwd?authuser=0

REC

Narendra Lokh... Gaganpreet Kaur Marmik B. Soni Prof. Itsupport mca Spandana Aaslesha

Dr. Mitesh Limachia CH - Dr. M.S. Rao monica gupta Arpita Patel Kanak Patel

Ashokkumar Ashok... iffat fatima Keyur M. Patel Patel Keyur Mahant Amit V Patel

Dabhi Sohilkumar A... 47 others You

3:09 PM | tcc-iyyr-... Track Attendance

In-call messages

Let everyone send messages

Messages can only be seen by people in the call and are deleted when the call ends.

Great opportunity to here from the esteemed faculties of the country.. has helped to dig more into the subjects.. thank you

Marmik B. Soni Prof. 3:07 PM  
You may unmute yourself for feedback participants

sarada m. 3:08 PM  
This workshop was very informative and useful to all the participants.

Send a message to everyone

3:09 PM | tcc-iyyr-... Track Attendance

ENG IN 15:09 26-11-2021

Meet - tcc-iyyr-zwd - Google Chrome  
meet.google.com/tcc-iyyr-zwd?authuser=0

REC

Dr. Killol Pandya

Narendra Lokhande

60 others

You

3:11 PM | tcc-iyyr-... Track Attendance

In-call messages

Let everyone send messages

Messages can only be seen by people in the call and are deleted when the call ends.

sarada m. 3:08 PM  
This workshop was very informative and useful to all the participants.

Innovative income 3:10 PM  
so wonderful workshop

Dr. Killol Pandya 3:10 PM  
yes plz  
yes

Send a message to everyone

3:11 PM | tcc-iyyr-... Track Attendance

ENG IN 15:11 26-11-2021



Meet - tcc-iyyr-zwd - Google Chrome  
meet.google.com/tcc-iyyr-zwd?authuser=0

REC

Dr. Killol Pandya Narendra Lokhande Marmik B. Soni Prof. itsupport mca Ashokkumar Ashok...

Gaganpreet Kaur Bhawanand Jha Arpita Patel Dr. Mitesh Limachia CH - Dr. M.S. Rao

monica gupta Kanak Patel Iffat fatima Keyur M. Patel Patel Keyur Mahant

Amit V Patel 48 others You

3:19 PM | tcc-iyyr-... Track Attendance

In-call messages

Let everyone send messages

Messages can only be seen by people in the call and are deleted when the call ends.

Dr. Balasaheb Patil 3:17 PM  
This workshop was very informative and useful to all the participants.

Gaganpreet Kaur 3:18 PM  
Sir i would like to add this ..i have been into teaching for nearly 15 years and i echo the thoughts of yogesh Tiwari ji..it is one of the b3st FDP.with best speakers and fruitful lab sessions, we look forward to more such sessions. Even stress management was a sensitive issue discussed here. My highest Regards to all organizers

Send a message to everyone

ENG IN 15:19 26-11-2021

Meet - tcc-iyyr-zwd - Google Chrome  
meet.google.com/tcc-iyyr-zwd?authuser=0

REC

Amit V Patel Joycee Mekie monica gupta Marmik B. Soni Prof. Narendra Lokhande

Spandana Aaslesha Dr. Mitesh Limachia Varsha Surwase Himanshu Bhatia Satvik Patel

Gaganpreet Kaur MERLIN THOMAS Kanak Patel Minaj M. Shaikh Ashokkumar Ashok...

ameed shah 20 others You

2:24 PM | tcc-iyyr-zwd

In-call messages

Let everyone send messages

Messages can only be seen by people in the call and are deleted when the call ends.

Ankur Changela 2:23 PM  
Is this technique compatible to FPGAs? As they are using only standard cells.

monica gupta 2:23 PM  
I could not move from my seat for a second

Marmik B. Soni Prof. 2:24 PM  
Indeed..

Send a message to everyone

Apps using your microphone: Google Chrome

ENG IN 14:24 25-11-2021

Meet - tcc-iyrr-zwd - Google Chrome  
meet.google.com/tcc-iyrr-zwd?authuser=0

REC

Nihar Ranjan Mohapatra

Dr. Mitesh Limachia

43 others

You

In-call messages

Messages can only be seen by people in the call and are deleted when the call ends.

YOGESH TIWARI 1:34 PM  
Got it sir. Thank you

Marmik B. Soni Prof. 2:02 PM  
Feel free to ask questions

YOGESH TIWARI 2:02 PM  
Thank you very much sir. You started from scratch and gave glimpse of current and upcoming technologies. It was a great session.  
So GAA have entered fabrication ?

Send a message to everyone

2:03 PM | tcc-iyrr-... Track Attendance

ENG IN 14:03 24-11-2021

Meet - tcc-iyrr-zwd - Google Chrome  
meet.google.com/tcc-iyrr-zwd?authuser=0

REC Mayank Shrivastava is presenting

Mayank Shrivastava

You

Mayank Shrivastava (P)

33 others

In-call messages

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Attendance:  
<https://forms.gle/5vAqyzmYlEKryH9>

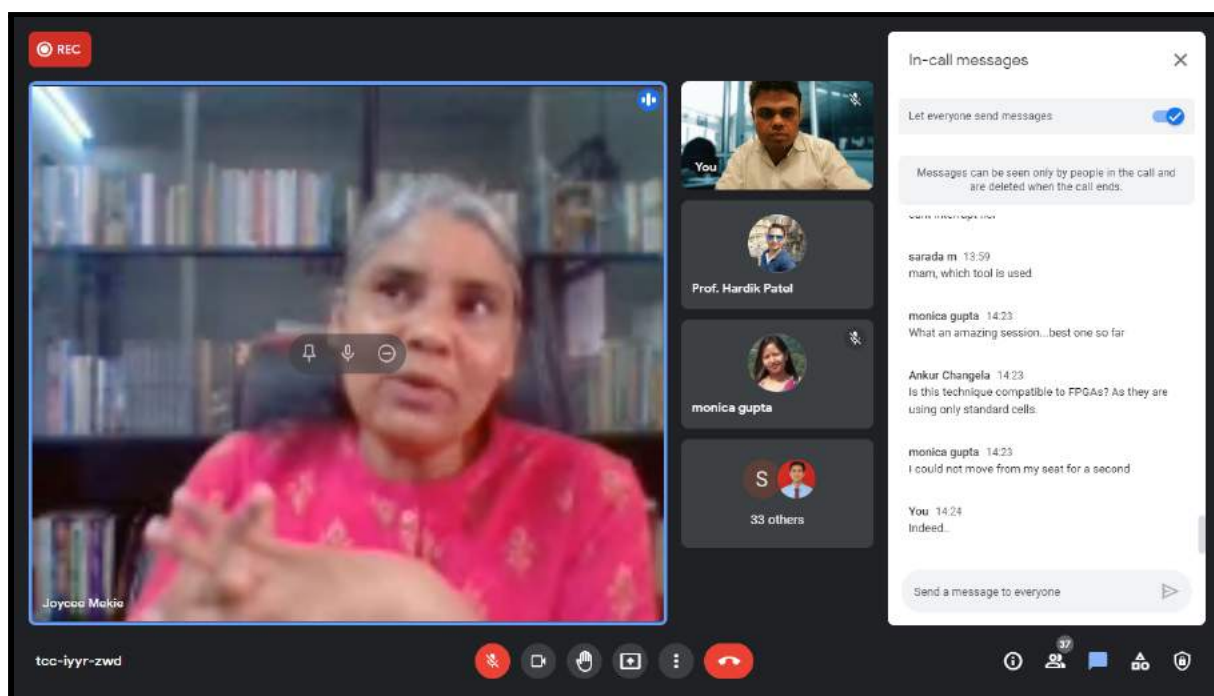
Amit V Patel 5:05 PM  
What is the unit cost for electricity generated (by harvesting) from Graphene based cell?

YOGESH TIWARI 5:10 PM  
Respected Mayank sir. Your work motivated by problem solving , innovative design and solution, Market capture ,startups, patents really is benchmark. Thank you for delivering such an amazing session

Send a message to everyone

5:10 PM | tcc-iyrr-zwd

ENG IN 17:10 24-11-2021



It was a great Initiative by ATAL Academy. We are thankful to AICTE for giving us this opportunity to conduct an online FDP for faculty members of technical institutes of India free of cost. We got a huge response for registration as well as lots of compliments for arranging the online workshop, content and hands on sessions.





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**Program of Revised Basic Course Workshop**

**For full time faculty of colleges under NMC**

**Nodal Centre- Smt NHLMMC Ahmedabad**

**Name of the college: Dr. N. D. Desai Faculty of Medical Science and Research  
Revised Basic Course Workshop**

**Dates of rBCW: 27<sup>nd</sup> to 29<sup>th</sup> September, 2021**

**Program Schedule**

**Day 1: 27.09.2021**

<b>Day Time</b>	<b>Session</b>	<b>Objectives</b>	<b>Duration</b>	<b>Faculty</b>
<b>9:00</b>	Introduction: ice breaking and Group Dynamics	Understand and apply concepts of group dynamics and team-based functioning in teaching and learning	60 minutes	Dr Ravi Thaker
<b>10:00</b>	System's Approach, Principles of adult learning, Learning process	a. Use principles of adult learning in the teaching learning process b. Use the system's approach for instructional design	75 minutes	Dr. Jigar Gusani
<b>11.15</b>	Tea break			
<b>11:30</b>	Goals, roles and Competencies: CBME*	a. define goals, roles and competencies and explain the relationship between each other b. elaborate the principles of competency based learning	45 minutes	Dr. Anuj Modi
<b>12:15</b>	The IMG – Goals, roles and Competencies	a. be sensitised to the goals, roles and global competencies as developed by the Medical Council of India	15 minutes	
<b>12:30</b>	Learning domains and progression of learning	a. classify and define learning domains b. demonstrate a basic understanding of hierarchy of knowledge progression	30 minutes	Dr Ravi Thaker
<b>13:00</b>	Lunch		45 minutes	



**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

<b>13:45</b>	Objectives - Writing objectives - Developing objectives from competencies, linking learning and assessment with competencies*	a. differentiate competencies from objectives b. develop objectives from different competencies c. explain the relationship between objectives, learning and assessment	60 minutes	NMC Observer
<b>14:45</b>	Workshop on writing objectives*	a. develop objectives from competencies and specify the domain and the skill level	60 minutes	All faculties
<b>15:45</b>	Tea Break			
<b>16:00</b>	Introduction to assessment	a. elaborate the principles and types of assessment b. explain the utility of assessment	45 minutes	Dr. Herat soni
<b>16:45</b>	Close			

\*- use AETCOM Module and Revised UG Curriculum for this session

<b>Day 2: 28.09.2021</b>				
<b>9:00</b>	Choosing a teaching method for objectives and competencies – Workshop	choose the appropriate teaching method for various objectives and competencies	90 minutes	Dr. Hiren Chawda & Dr. Amar Shah
<b>10:30</b>	Tea Break			
<b>10:45</b>	Interactive and Innovative teaching methods including Large Group (Demo), Small Group (with demo) and appropriate use of media	a. use the principles of interactive learning in a large group b. use the principles of interactive learning in a small group c. choose appropriate media for a given learning session	105 minutes	Dr. Hiren Chawda & Dr. Amar Shah
<b>12:30</b>	Writing a lesson plan	develop a lesson plan appropriate to the objectives and teaching learning method	45 minutes	Dr. Binita Purohit
<b>13:15</b>	Lunch		45 minutes	
<b>14:00</b>	Assessment planning*and quality assurance, Writing the correct essay question, short answer question	a. write an appropriate essay question b. write an appropriate short answer question c. write an appropriate MCQ	120 minutes	Dr. Jay Patwa



**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

	and MCQ			
<b>16:00</b>	Tea break		15 Minutes	
<b>16:15</b>	Internal assessment and Formative assessment	develop a plan for internal assessment and formative assessment	40 minutes	Dr. Herat soni

\* use AETCOM module and Revised UG Curriculum for this session

<b>Day 3: 29.09.2021</b>				
<b>9:00</b>	Discussion on AETCOM Module: Reflection and Narrative	a. demonstrate the ability to use the AETCOM module for Basic Course in MET to be held b. demonstrate the ability to write reflection & narrative on AETCOM Module c. demonstrate readiness to launch AETCOM module in own college	60 minutes	Dr. Jigar Gusani
<b>10:00</b>	Matching assessment to competency, objectives and learning Workshop - Choosing the right assessment	choose the right assessment method for a given objective/ competency and learning method	60 minutes	Dr. Herat Soni
<b>11:00</b>	Tea Break		15 minutes	
<b>11:15</b>	Effective clinical and practical skill teaching	a. teach skills effectively b. teaching skills at the workplace c. use a skills lab effectively	60 minutes	Dr. Hetal Pandya
<b>12:15</b>	Assessment of clinical and practical skills	a. assess skills effectively b. assess skills at the workplace c. use a skills lab to assess competency in skills d. design a skills assessment station	60 minutes	Dr. Pukur Thekdi
<b>13:15</b>	Lunch		30 minutes	





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

<b>13:45</b>	Assessment of clinical skills (cont.)		60 minutes	Dr. Pukur Thekdi
<b>14:45</b>	Improving SDL through technology	a. promote self directed learning (SDL) in students b. use technology to improve self directed learning	30 minutes	Dr. Jay Patwa
<b>15:15</b>	Tea Break			
<b>15:30</b>	Feedback	provide effective feedback to students	30 minutes	Dr. J.V. Bhatt
<b>16:00</b>	Educational networking for growth	a. understand avenues for growth in education b. create networks in education	45 minutes	NMC observer
<b>16:45</b>	Closing			

**Basic Course – day wise distribution**

<b>Day 1</b>	<b>Day 2</b>	<b>Day 3</b>
Introduction: Group Dynamics	Choosing a teaching method for objectives and competencies - Workshop*	Discussion on AETCOM Module: Reflection and Narrative
Systems Approach, Learning Process, Adult Learning	Interactive and Innovative teaching methods including Large Group (Demo), Small Group (with demo) and appropriate use of media	Matching assessment to competency, objectives and learning Workshop - Choosing the right assessment
Goals, Roles and competencies: CBME*	Writing a lesson plan	Effective clinical and practical skill teaching
The IMG: Goals, Roles and competencies	Assessment planning and quality assurance, Writing the correct essay question, short answer question and MCQ*	Assessment of clinical and practical skills
Learning domains and progression of learning	Internal assessment and Formative assessment	Improving SDL through technology
Objectives: Writing objectives - Developing objectives from competencies, Linking learning and assessment with competencies*		Feedback
Introduction to assessment		Educational networking for growth



**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**List of resource faculty**

Sr. No.	Name	Designation & Department	Mobile	E mail	AETCOM &rBCW attended			Advanced course in medical education	CISP attended I & II
					Attended (Y/N)	From	To		
1	Dr. Ravi Thaker	Associate Professor, Physiology	9427497506	<a href="mailto:rthaker87@yahoo.com">rthaker87@yahoo.com</a>	Yes	16.12.2015	18.12.2015	Yes-2017	Y
						7.7.2017	AETCOM		
2	Dr. Jigar Gusani	Associate Professor, Microbiology	9724528871	jigargusani@gmail.com	Yes	16.12.2015	18.12.2015	No	Y
						20.7.2019	AETCOM		
3	Dr. Hetal Pandya	Professor, General Medicine	9998055159	drhetalpandya@gmail.com	Yes	08.12.2015	10.12.2015	Yes-2018	Y
						07.12.2015	AETCOM		
4	Dr. Pukur Thekdi	Profssor, Surgery	9426374378	pukurthekdi@gmail.com	Yes	8.12.2015	10.12.2015	No	Y
						7.12.2015	AETCOM		
5	Dr. Jatin Goda	Associate Professor, Anantomy	8875417102	drjbgoda@gmail.com	Yes	7.9.2016	10.9.2016	No	Y



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6	Dr. Amar Shah	Professor, Pathology	990992 7725	amarshah44@gmail.com	Yes	7.9.2016	10.9.2016	No	Y
7	Dr. Anuj Modi	Associate 8Professor, B9iochemistry	701482 9685	anujsmodi@gmail.com	Yes	17.1.2017	19.1.2017	No	Y
						18.7.2019	AETCOM		
8	Dr. Hiren Chawda	Associate professor, Pharmacology	812837 6376	hiren_chawda1987@yahoo.co.in	Yes	7.9.2016	10.9.2016	No	Y
9	Dr. Jay Patwa	Assistant Professor, PSM	942842 8884	drjpatwa@gmail.com	Yes	22.11.2017	24.11.2017	No	Y
						18.7.2019	AETCOM		
10	Dr. Heart Soni	Assistant Professor, Biochemistry	909997 9437	heratsoni15788@gmail.com	Yes	15.7.2019	18.7.2019	No	Y
11	Dr. Binita Purohit	Assistant Professor, Anatomy	9426073 362	purohitbinita@gmail.com	Yes	7.9.2016	10.9.2016	No	Y





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

Name of the nodal center/ Regional center: Smt. NHL municipal medical college  
Name of college where rbcw will be held : Dr. N.D.Desai Faculty of Medical Science and Research, Nadiad  
Dates of RBCW: 27-29 September 2021

SrNo.	Name of Participant	Designation & Department	Name and Address of College	Contact details	E-mail ID	NMC Teacher ID	Due date for promotion
	<b>Participants who have attended CISP II but did not receive Certificates: <span style="color: green;">date of promotion after 31st January 2022</span></b>						
1	Dr. Alpeshkumar Maru	Associate Professor-Pathology	Dr. N.D.Desai Faculty of Medical Science and Research	9825545818	drmaru28@gmail.com	PAT-2228406	<b>30/10/2023</b>



**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

2	Dr. Harsiddh Thaker	Assistant Professor-Physiology	Dr. N.D.Desai Faculty of Medical Science and Research	9925528016	drharsiddh@yahoo.com	PHY-2318969	<b>08-03-2024</b>
3	Dr. Anand Kanasagara	Assistant Professor-Pathology	Dr. N.D.Desai Faculty of Medical Science and Research	9427440159	spl.naroda@gmail.com	PAT-2295430	<b>14/09/2023</b>
4	Dr. Nilam Patel	Assistant Professor-Pathology	Dr. N.D.Desai Faculty of Medical Science and Research	9712937553	nilamhardik88@gmail.com.	PAT-2284692	<b>09-02-2023</b>
5	Dr. Yagnik Tank	Assistant Professor-Pathology	Dr. N.D.Desai Faculty of Medical Science and Research	9408597182 , 8511897182	dr.yagniktank@gmail.com	MCI - 9999	<b>30/11/2024</b>
6	Dr. Kiran Kumar Panchal	Assistant Professor-Pharmacology	Dr. N.D.Desai Faculty of Medical Science and Research	9574752535	kiranmpanchal77@gmail.com	MCI-9999	<b>21/9/2024</b>



**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

7	Dr. Rutvij Hedamba	Assistant Professor-Pharmacology	Dr. N.D.Desai Faculty of Medical Science and Research	9033431734	rutvij237@gmail.com	PHA-2189447	<b>16/8/2023</b>
8	Dr. Alka Dave	Assistant Professor-Anesthesiology	Dr. N.D.Desai Faculty of Medical Science and Research	9825149701	dralkadave@yahoo.in	ANE-2319036	<b>10-01-2023</b>
9	Dr. Sanjeev Prasad	Assistant Professor-Ophthalmology	Dr. N.D.Desai Faculty of Medical Science and Research	9925150814	drsanjeevdpd@gmail.com	OPT-2175908	<b>15/1/2023</b>
10	Dr. Harsh Patel	Assistant Professor-General Surgery	Dr. N.D.Desai Faculty of Medical Science and Research	9408978148	drharshms@gmail.com	SUR-2264767	<b>06-08-2023</b>
11	Dr. Priyank Algotar	Assistant Professor-Community Medicine	Dr. N.D.Desai Faculty of Medical Science and Research	9428217525	algotarpriyank@gmail.com	MCI - 99999	<b>09-04-2023</b>





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

12	Dr. Priyanka Purohit	Assistant Professor- obstetrics and gynecology	Dr. N.D.Desai Faculty of Medical Science and Research	9923285232	drpriyankakpurohit@ gmail.com	OBG-2228229	<b>15/3/2023</b>
13	Dr. Parth Patel	Assistant Professor- General Surgery	Dr. N.D.Desai Faculty of Medical Science and Research	8160024166	parthp0692@gmail.co m	SUR-2170497	<b>10-02-2023</b>
14	Dr. Mehul Patel	Assistant Professor- Community Medicine	Dr. N.D.Desai Faculty of Medical Science and Research	9925643570	drmehul007@gmail.c om	COM-2188972	<b>09-01-2023</b>
	<p><b>Participants who have attended CISP II but did not receive Certificates: <span style="color: green;">date of promotion before 31st January 2022</span></b></p>						



**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

15	Dr. Kirti Vyas	Associate Professor-Pathology	Dr. N.D.Desai Faculty of Medical Science and Research	8469953073	kirtimpathology@gmail.com	PAT-154594	<b>14/08/2021</b>
16	Dr. Divyangkumar Patel	Associate Professor-Community Medicine	Dr. N.D.Desai Faculty of Medical Science and Research	9879326874	drdivpatel@gmail.com	COM-2150875	<b>08-01-2021</b>
<b>Participants who did not attend CISP II: <span style="color: green;">date of promotion after 31st January 2022</span></b>							
17	Dr. Shwetambari Navale	Assistant Professor-obstetrics and gynecology	Dr. N.D.Desai Faculty of Medical Science and Research	7777073938	drshwetap85@gmail.com	OBG-2217369	<b>10-10-2024</b>



**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

18	Dr. Supreet Prabhu	Assistant Professor-Otolaryngorhinology	Dr. N.D.Desai Faculty of Medical Science and Research	9825498524	sansup@rediffmail.com	ENT-2319072	<b>28/2/2022</b>
19	Dr. Saral Patel	Associate Professor-Orthopedics	Dr. N.D.Desai Faculty of Medical Science and Research	9427780533	dr_saral244@yahoo.in	ORT-2284028	<b>24/3/2023</b>
20	Dr. Kalpeshkumar Parmar	Associate Professor-General Surgery	Dr. N.D.Desai Faculty of Medical Science and Research	7405675191	drkalpeshd35@gmail.com	SUR-2271536	<b>04-06-2024</b>
21	Dr. Bhaveshkumar Prajapati	Assistant Professor-Community Medicine	Dr. N.D.Desai Faculty of Medical Science and Research	9898781668	drbhavesh89@gmail.com	COM-2287377	<b>24/06/2025</b>
22	Dr. Jainish Modi	Assistant Professor-General Medicine	Dr. N.D.Desai Faculty of Medical Science and Research	8758966425	jainishmodi1988@gmail.com	MED-2318990	<b>18/4/2023</b>





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

23	Dr. Yagnang Vyas	Assistant Professor-Tuberculosis and Chest Diseases	Dr. N.D.Desai Faculty of Medical Science and Research	8511105140	yagnang@gmail.com	PME-2285655	<b>25/8/2024</b>
24	Dr. Nawaz Patel	Assistant Professor-Pediatrics	Dr. N.D.Desai Faculty of Medical Science and Research	9723049295	<a href="mailto:nawaz78692@gmail.com">nawaz78692@gmail.com</a>	MCI - 99999	<b>08-07-2023</b>



**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

**Feedback from the participants**

**a. Important comments**

List the important feedback comments received from the participants regarding the content and organization of the **workshop**:

- Very nicely organized, learn a lot of new aspects. These concepts will help me in evolving as a better teacher
- Team MEU-NDDFMSR did fantastic job, superb food, guidance from observer was very helpful in understanding difficult topics
- Before workshop, I was knowing nothing about CBME, SDL etc.... now I got better understanding
- Assessment method and T-L methods, I Liked most. Surely I shall implement these concepts in department

**b. Mean scores on the retro-pre assessment** (by participants as per format attached)

Topic	Item	Mean score pre	Mean score post
Introduction: ice breaking and Group Dynamics	Knowledge	1.8	4.5
	Importance	0.9	4.4
Goals, roles and Competencies: CBME	Knowledge	1.8	3.9
	Importance	1.5	3.8
The IMG – Goals, roles and Competencies	Knowledge	1.1	3.5
	Importance	1.7	3.6
Learning domains and progression of learning	Knowledge	1.1	4.6
	Importance	1.6	4.5
Objectives - Writing objectives - Developing objectives from competencies, linking learning and assessment with competencies	Knowledge	2.8	4.3
	Importance	2.9	4.3
Workshop on writing objectives	Knowledge	3.0	4.4
	Importance	2.9	4.3
Introduction to assessment	Knowledge	1.3	4.5
	Importance	1.4	4.4
Choosing a teaching method for objectives and competencies – Workshop	Knowledge	2.0	4.5
	Importance	2.0	4.3
Interactive and Innovative teaching methods including Large Group (Demo), Small Group (with demo) and appropriate use of media	Knowledge	1.0	4.1
	Importance	1.6	4.4
Writing a lesson plan	Knowledge	1.7	3.7
	Importance	2.0	4.1
Assessment planning and quality assurance,	Knowledge	1.9	4.6





**Dr. N D Desai Faculty of Medical Science & Research, Nadiad-387001**

Writing the correct essay question, short answer question and MCQ	Importance	2.0	4.6
Internal assessment and Formative assessment	Knowledge	1.7	3.9
	Importance	2.1	4.1
Discussion on AETCOM Module: Reflection and Narrative	Knowledge	1.3	4.6
	Importance	1.4	4.4
Matching assessment to competency, objectives and learning Workshop - Choosing the right assessment	Knowledge	1.8	3.9
	Importance	1.9	4.2
Effective clinical and practical skill teaching	Knowledge	1.5	4.5
	Importance	1.3	4.4
Assessment of clinical and practical skills	Knowledge	1.3	4.5
	Importance	1.9	4.1
Improving SDL through technology	Knowledge	0.8	4.1
	Importance	1.1	4.4
Feedback	Knowledge	2.2	3.9
	Importance	2.7	4.1
Educational networking for growth	Knowledge	0.9	4.6
	Importance	1.3	4.5

Faculty of Technology,  
Dharmsinh Desai University,  
Nadiad, Gujarat, INDIA

### REGISTRATION FORM

#### One week Short-Term Training Programme On “Digital Transformation of Industries : Industry 4.0”

(21st November 2022 to 25th November 2022)

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Institute: \_\_\_\_\_

Gender: Male / Female

Postal Address: \_\_\_\_\_

\_\_\_\_\_

Email ID: \_\_\_\_\_

Contact no : \_\_\_\_\_

Experience (Total years): \_\_\_\_\_

Teaching: \_\_\_\_\_yr/s Industry: \_\_\_\_\_yr/s Payment  
details: Cash

**Undertaking:** I shall abide by rules and regulations. In case of failure to abide by rules, the certificate may not be issued.

**Signature of Applicant:** \_\_\_\_\_

**Signature of Institute Head/Principal/HoD:** \_\_\_\_\_



**CHIEF PATRON**  
Dr. H. M. Desai  
Vice Chancellor,  
Dharmsinh Desai University

**PATRON**  
Shri. Ankur H. Desai  
Campus Director,  
Dharmsinh Desai University

**VICE PATRON**  
Prof. (Dr.) Vipul A. Shah  
Dean,  
Faculty of Technology,  
Dharmsinh Desai University

**COURSE COORDINATOR**  
Prof. Chirag S. Dalal Associate Professor, IC dept.  
Dr. Himanshu R. Patel Assistant Professor, IC dept.  
Prof. Tigmanshu J. Patel Assistant Professor, IC dept.

**ADDRESS FOR CORRESPONDENCE**  
Programme Coordinator,  
**STTP on Digital Transformation of Industries :  
Industry 4.0,**  
**21st November 2022 to 25th November 2022,**  
Instrumentation and Control Engineering,  
Faculty of Technology,  
Dharmsinh Desai University, Nadiad 387001,  
Gujarat, INDIA.

Dharmsinh Desai University,  
Nadiad, Gujarat, INDIA



One week Short-Term Training Programme

On

**“Digital Transformation of Industries : Industry 4.0”**  
(21st November 2022 to 25th November 2022)



**Organized by:**

Department of Instrumentation and Control  
Engineering,  
Faculty of Technology,  
Dharmsinh Desai University,  
[www.ddu.ac.in](http://www.ddu.ac.in)

Email : himanshupatel.ic@ddu.ac.in  
tigmanshupatel.ic@ddu.ac.in

Contact nos.: 7698308667, 9033059251

## INTRODUCTION

Industry 4.0 is a term for the fourth industrial revolution: the digitization and automation of manufacturing. We are in the midst of a fundamental shift in the way products are produced, and it's deeply tied to the future of the Internet of Things (IoT). Advances in networking, machine learning, data analytics, robotics, 3D printing, and other technologies are making vast improvements on industrial processes and reducing our dependence on human labor and decision-making. By leaning into digital solutions, manufacturing can reduce human error, shorten time to market, and increase the speed at which industrial processes can adapt to new information.

## SCOPE OF COURSE

This course is designed for the faculty of engineering colleges as well as researchers. The aim of course is to introduce and familiarize faculty as well as researchers to advancements in technologies implemented within Industry. The emphasis of this course is to equip the participants to brief about trending technologies of Internet of things in industrial context.

## COURSE DETAILS

- Standards in Industry 4.0
- Industrial Cybersecurity
- Smart Manufacturing
- Communication Technologies
- Predictive analytics
- Case studies

## COURSE DURATION

One week (21st November 2022 to 25th November 2022)

## LAST DATE FOR RECEIPT OF APPLICATION FORM

20th November 2022

## RESOURCE PERSONS

The resource persons for the program shall include experts from academia from engineering colleges of high repute.

## WHO SHOULD ATTEND

This training programme can be attended by all faculties and researchers.

## REGISTRATION

To register for this course, the applicants are required to submit duly filled form and registration fees by Cash.

## REGISTRATION FEES

Faculty Members	200 Rs.
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- No TA/DA provided.
- No accommodation provided
- Registration will be on first come first serve basis
- Maximum participants: 50

## UNIVERSITY

Dharmsinh Desai University (DDU), located at Nadiad, is one of the leading institutions of learning in Gujarat. Since inception in 1968 as an institute for higher education in technology and engineering by the then Member of Parliament, Shri Dharmsinh Dadubhai Desai, it is committed to grooming students. In 2005, it was granted as state university. Today, it has a rich history of more than 45 years of experience in education. It has 42+ acres of sprawling lush green campus and conducts more than 35 different courses.

## DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

To serve industry with highly knowledgeable and skilled engineers, Instrumentation & Control Engineering Department was established in year 1985. With a vision to produce technocrats in the field of Control and Instrumentation, IC department has enabled its students, who are now working at many prestigious firms and proving their mettle.





**Department of Instrumentation and Control Engineering**  
**Faculty of Technology**  
**Dharmsinh Desai University, Nadiad-387001, Gujarat.**

**One week Short-Term Training Programme**

**On**

**D.D. University Sponsored One week STTP on "Digital Transformation of Industries : Industry 4.0"**

**Online**

**(21st November 2022 to 25th November 2022)**

Sr. No.	Date	Session No.	Session Time	Expert Name	Affiliation	Topic
Day 1						
1	21st November 2022	1	11:00am to 12:30pm	Prof. Vipul Dabhi	Professor and Head, IT Dept., FoT, D.D.University	“Introduction to Industry 4.0”
2		2	1:30pm to 3:00pm	Prof. J M Ravalji	Asst. Prof., MH Dept., FoT, D.D. University	“The role of additive manufacturing in Industry 4.0”
3		3	3:30pm to 5:00pm	Mr. Sanjeev Chakraborty	Credent Consultant, Ahmedabad	“Case Studies : Industrial Monitoring Perspective”
Day 2						
4	22nd November 2022	4	11:00am to 12:30pm	Prof. (Dr.) Purvang Dalal	Professor and Head, EC Dept., FoT, D.D.University	“Digital Transformation in Semiconductor Industry”
5		5	1:30pm to 3:00pm	Dr. Sagar Kavaiya	Asst. Prof., MCA Dept., Smt. Chandaben Mohanbhai Patel Institute of Computer Applications (CMPICA), Changa	"6G enabled IoT Communications : Challenges and Solutions over Industry 4.0”
6		6	3:30pm to 5:00pm	Prof. Dipesh Makwana	Professor, IC Dept., L. D. College of Engineering, Ahmedabad	“Predictive maintenance : Critical application of Industry 4.0”
Day 3						
7	23rd November 2022	7	11:00am to 12:30pm	Mr. Jagdish Shukla	Director, Servilink Engineers Pvt. Ltd., Vadodara	TBA
8		8	1:30pm to 3:00pm	Prof. (Dr.) Chetan Bhatt	Professor and Principal, Government MCA College Maninagar, Ahmedabad	“Standards in Industry 4.0 and Cybersecurity
9		9	3:30pm to 5:00pm	Mr. Rajshekhar Uchil	Director Elect Aerospace & Test Division International Society of Automation	“Manufacturing and Advances in Aerospace and Defence”
Day 4						
10	24th November 2022	10	11:00am to 12:30pm	Lalit Bangera	Process Design Specialist at Siemens Pte Ltd	“Digitalization in Process Industries”
11		11	1:30pm to 3:00pm	Prof. Hardip Shah	Professor, EC Dept., FoT, D.D. University	“Communication Technologies in Industrial Networking”
12		12	3:30pm to 5:00pm	Prof. Viral Shah	Asst. Prof., IT Dept., FoT, D.D. University	“Implementation of devices for Industry 4.0“
Day 5						
13	25th November 2022	13	11:00am to 12:30pm	Mr. Sunil Shah	Cofounder and CEO Modelicon	“Digital Twin/Edge Computing”
14		14	1:30pm to 3:00pm	Prof. R. V. Solanki	Asst. Prof., MH Dept., FoT, D.D. University	"Software Demonstration for Additive Manufacturing"
15		15	3:30pm to 5:00pm	Prof. H. K. Patel	Head, E&I Dept., Nirma University, Ahmedabad	“Smart Sensors”

**Department of Instrumentation and Control Engineering**  
**Faculty of Technology**  
**Dharmsinh Desai University**

**One week Short-Term Training Programme**

**On**

**D.D. University Sponsored One week STTP on "Digital Transformation of Industries : Industry 4.0"**

**(21st November 2022 to 25th November 2022)**

<b>Sr. No.</b>	<b>Faculty Name</b>	<b>Department</b>	<b>Institute</b>
1	Prof. Jignesh G. Bhatt	Instrumentation and Control Engg.	D.D.University
2	Prof. Vipul A. Shah	Instrumentation and Control Engg.	D.D.University
3	Prof. Chirag S. Dalal	Instrumentation and Control Engg.	D.D.University
4	Dr. Himanshukumar R. Patel	Instrumentation and Control Engg.	D.D.University
5	Prof. Tigmanshu J. Patel	Instrumentation and Control Engg.	D.D.University
6	Prof. N.S. Patel	Mechanical Engineering	D.D.University
7	Dr. Gurmit.D.Bassan	Mechanical Engineering	D.D.University
8	Prof. Prasad Dixit	Mechanical Engineering	D.D.University
9	Prof. Brijesh Parsottambhai Waghela	Mechanical Engineering	D.D.University
10	Prof. Nilay Manojkumar Bhavsar	Mechanical Engineering	D.D.University
11	Prof. Roopnesh Vinodchandra Solanki	Mechanical Engineering	D.D.University
12	Prof. Amit Patel	Mechanical Engineering	D.D.University
13	Prof. Jaydeepsinh M. Ravalji	Mechanical Engineering	D.D.University
14	Prof. Mahavirsinh M. Chavda	Mechanical Engineering	D.D.University
15	Prof. Dhavalkumar Indrevadan Upadhyay	Mechanical Engineering	D.D.University
16	Prof. Joshi Rajesh Muljibhai	Mechanical Engineering	D.D.University
17	Prof. Pravinkumar N. Tank	Mechanical Engineering	D.D.University
18	Dr. Shruti J. Raval	Mechanical Engineering	D.D.University
19	Prof. Parikh Pranav Rashikbhai	Mechanical Engineering	D.D.University
20	Prof. Mitesh N. Prajapati	Mechanical Engineering	D.D.University
21	Prof. Abhishek P. Bhavsar	Mechanical Engineering	D.D.University
22	Prof. Nimesh Rajnikantbhai Prajapati	Mechanical Engineering	D.D.University
23	Prof. Pratik Ajitkumar Shah	Mechanical Engineering	D.D.University
24	Prof. Hirenkumar Nileshbhai Pandya	Mechanical Engineering	D.D.University
25	Prof. Dhwanik Natvarlal Patel	Mechanical Engineering	D.D.University
26	Prof. Kavita R. Shah	Mechanical Engineering	D.D.University
27	Prof. Dipam S. Patel	Mechanical Engineering	D.D.University
28	Prof. Nirav A. Vohra	Mechanical Engineering	D.D.University
29	Dr. M. S. Rao	Chemical Engineering	D.D.University
30	Prof. Jalesh Purohit	Chemical Engineering	D.D.University
31	Nirav J. Bhavsar	Chemical Engineering	D.D.University
32	Prof. Mihir P. Shah	Chemical Engineering	D.D.University
33	Dr. Vimal Gandhi	Chemical Engineering	D.D.University

34	Prof. Rignesh B. Patel	Chemical Engineering	D.D.University
35	Dr. Chirag R. Patel	Chemical Engineering	D.D.University
36	Prof. Dhrumil Gandhi	Chemical Engineering	D.D.University
37	Prof. Siddharth C. Modi	Chemical Engineering	D.D.University
38	Prof. Jaydeep Jivani	Chemical Engineering	D.D.University
39	Prof. Niraj Nair	Chemical Engineering	D.D.University
40	Hitesh N. Panchal	Chemical Engineering	D.D.University
41	Dr. Krishna Chauhan	Chemical Engineering	D.D.University
42	Dr. Anand P. Dhanwani	Chemical Engineering	D.D.University
43	Dr. Yash Jaiswal	Chemical Engineering	D.D.University
44	Dr. Bhupendra suryavanshi	Chemical Engineering	D.D.University
45	Prof. Dipali N. Shah	Chemical Engineering	D.D.University
46	Dr. Hemant kumar	Chemical Engineering	D.D.University
47	Dr. Kantilal Chouhan	Chemical Engineering	D.D.University
48	Dr. Mittal Thakkar	Chemical Engineering	D.D.University
49	Prof. N. V. Chauhan	Electronics and Communication Engineering	D.D.University
50	Prof. Sohailkumar Dabhi	Electronics and Communication Engineering	D.D.University
51	Dr. Pallavi G. Darji	Electronics and Communication Engineering	D.D.University
52	Hetal Brijesh Shah	Electronics and Communication Engineering	D.D.University
53	Shital Thakkar	Electronics and Communication Engineering	D.D.University
54	Prof. Harshit M. Patel	Electronics and Communication Engineering	D.D.University
55	Harikrushna B. Rathod	Electronics and Communication Engineering	D.D.University
56	Prof. Goral J. Nakum	Electronics and Communication Engineering	D.D.University
57	Manish K. Patel	Electronics and Communication Engineering	D.D.University
58	Vasimbhai A. Vohra	Electronics and Communication Engineering	D.D.University
59	Prof. Bhavini Parmar	Electronics and Communication Engineering	D.D.University
60	Dr. Hardip Shah	Electronics and Communication Engineering	D.D.University
61	Prof. Birenkumar Patel	Electronics and Communication Engineering	D.D.University
62	Prof. Jitendra M. Shah	Electronics and Communication Engineering	D.D.University
63	Prof. Himanshu U. Prajapati	Electronics and Communication Engineering	D.D.University
64	Prof. Dipak K. Rabari	Electronics and Communication Engineering	D.D.University
65	Prof. Mitul A. Shah	Electronics and Communication Engineering	D.D.University
66	Dr. Purvang D. Dalal	Electronics and Communication Engineering	D.D.University
67	Prof. Vinay M. Thumar	Electronics and Communication Engineering	D.D.University
68	Harshad B . Prajapati	Information Technology	D.D.University
69	Vipul K. Dabhi	Information Technology	D.D.University
70	Patel Viranchikumar Niranjankumar	Information Technology	D.D.University
71	Ravindra A Vyas	Information Technology	D.D.University
72	Suthar Sandeep Rameshbhai	Information Technology	D.D.University
73	Deepak C. Vegda	Information Technology	D.D.University
74	Yogendra L. Patel	Information Technology	D.D.University
75	Viral Shah	Information Technology	D.D.University
76	Sunil K Vithlani	Information Technology	D.D.University



77	Anand K Patel	Information Technology	D.D.University
78	Mrundang Mehta	Computer Engineering	D.D.University
79	Prof. Darshak S. Khunt	Civil Engineering	D.D.University
80	Prof. Sameer P. Parmar	Civil Engineering	D.D.University
81	Prof. Amit K. Yadav	Civil Engineering	D.D.University
82	Prof. Chiragkumar Arvindbhai Kapatel	Civil Engineering	D.D.University
83	Prof. Aditi K. Sheth	Civil Engineering	D.D.University
84	Prof. Ami D. Parekh	Civil Engineering	D.D.University
85	Prof. Jigna K. Pandya	Civil Engineering	D.D.University
86	Prof. Priya A. Patel	Civil Engineering	D.D.University
87	Prof. Jayesh P. Prajapati	Civil Engineering	D.D.University
88	Prof. Rutvik K. Sheth	Civil Engineering	D.D.University
89	Prof. Arpit J. Gondaliya	Civil Engineering	D.D.University
90	Prof. Kailash M. Patil	Maths Dept.	D.D.University
91	Prof. Vimal B. Patel	Maths Dept.	D.D.University
92	Prof. Gopal Gohel	Maths Dept.	D.D.University
93	Dr. Niraj Pathak	Maths Dept.	D.D.University
94	Prof. Minaz M. Shaikh	BCA Dept	D.D.University
95	Prof. Mitali J. Doshi	BCA Dept	D.D.University
96	Prof. Swati Patel	BCA Dept	D.D.University
97	Prof. Chirag Girishchandra Patel	BCA Dept	D.D.University
98	Prof. Bhavika M. Patel	BCA Dept	D.D.University
99	Prof. Shefali S. Gandhi	BCA Dept	D.D.University
100	Patel Vaishali P.	IIICT	D.D.University
101	Pooja P. Panchal	IIICT	Indus University
102	Dipti Satishbhai	Civil Enginerring, DJMIT	DJMIT, GTU
103	Upesh P. Patel	EC Dept.	CHARUSAT
104	Brijesh Kundaliya	EC Dept.	CHARUSAT
105	Dr. Arpita Patel	EC Dept.	CHARUSAT
106	Miral Mukeshbhai Desai	EC Dept.	CHARUSAT



## Programme Report

on

### One Day National Conference on “Traditional & Alternative Systems of Medicine: Leveraging Advancements and Prospects in Healthcare”

1	Organized By	Faculty of Pharmacy, Dharmsinh Desai University, Nadiad. Insta RC-Student Club, Supported by AICTE-SPICES, Govt. of India
2	Date	15 <sup>th</sup> September, 2022.
3	No of Participants	200
4	Programme Co-ordinators	1. Dr. Mayuree A. Patel 2. Dr. Carol P. Macwan
5	Name of Resource Person	1. Dr. Hardik Soni: Assistant General Manager, Vasu Research Centre, Vadodara. (Guest of Honour) 2. Dr. Bharat Shah: Director of Nisargopchar Kendra, Vinoba Ashram, Gotri Vadodara. (Chief guest & eminent speaker) 3. Dr. Roshani Shukla: Morarji Desai College of Naturopathy and Yogic Science, Vadodara. (Speaker) 4. Dr. Vaishnavi Joshi: Consultant Naturopath in Ayush Naturopathy & Yoga Clinic, Vadodara. (Speaker)
Social Media Promotion		
6	Twitter Link	<a href="https://twitter.com/Fop_ddu/status/1574685448215019521">https://twitter.com/Fop_ddu/status/1574685448215019521</a>
7	Facebook Link	<a href="https://www.facebook.com/FOPDDU2006/posts/pfbid02QTfnmXhbGosC9mXYhfy6KTv27nDU51h3sGhfcFRuSYL5VNET5G8fJKvt5Hi18CUjI">https://www.facebook.com/FOPDDU2006/posts/pfbid02QTfnmXhbGosC9mXYhfy6KTv27nDU51h3sGhfcFRuSYL5VNET5G8fJKvt5Hi18CUjI</a>
8	Instagram Link	<a href="https://www.instagram.com/p/CjAR1pzIx-E/?hl=en">https://www.instagram.com/p/CjAR1pzIx-E/?hl=en</a>
9	LinkedIn Link	<a href="https://www.linkedin.com/posts/fopddu2006-national-conference-on-traditional-alternative-activity-6980451641409851392-n3G3?utm_source=share&amp;utm_medium=member_desktop">https://www.linkedin.com/posts/fopddu2006-national-conference-on-traditional-alternative-activity-6980451641409851392-n3G3?utm_source=share&amp;utm_medium=member_desktop</a>



**Faculty of Pharmacy  
Dharmsinh Desai University**  
**Programme/Event Summary**



One Day National Conference on : Traditional & Alternative Systems of Medicine: Leveraging Advancements and Prospects in Healthcare was organised by Faculty of Pharmacy, Dharmsinh Desai University, Nadiad, Gujarat (Approved By PCI, AICTE & NAAC Accredited) in collaboration with AICTE -SPICES Student Club and Institution's Innovation Council, MoE, Government of India.

This conference includes plenary lectures, keynote sessions, having forefront ideas, high-quality scientific content and professional networking opportunities.

Conference could be an excellent occasion to discuss the recent advancements and breakthroughs in the field of traditional medicine, advantages and importance of Natural Healing Therapies. It brings Institutions making the gathering a perfect stage to encourage coordinated efforts and reveal advancements in Traditional & Alternative Medicines and to address the challenges in making a safer, sustainable and affordable system for medication and health. As discussed in the lecture the importance of the yogic science is that, it will help in providing a stable health. Ultimately it is a science of life dealing with both mind and body. It frees an individual from pain and miseries of life and helps to attain a state where unification is granted. It is a tough science to follow as it requires lots of discipline, it makes a person regular. This technique helps to increase oxygen inhalation in body, more and more amount of fresh oxygen inhaled helps in the metabolic process. Circulation of blood increases. Thus, all vital body organs receive oxygen enriched blood. Thereby working efficiency of these organs increases. Toxins accumulated in body gets excreted out from skin pores in the form of sweat. This makes body pure which enables good health as well as one start feeling light. Muscles become stronger. This how various other therapies also work like Mud therapy, Colour therapy, Cup therapy, different types of massages and many more. This not only cure our physical health but improves mental health too, which indirectly increases our ability to work, think and enhance our productivity of tasks.

The following topics was covered during the conference

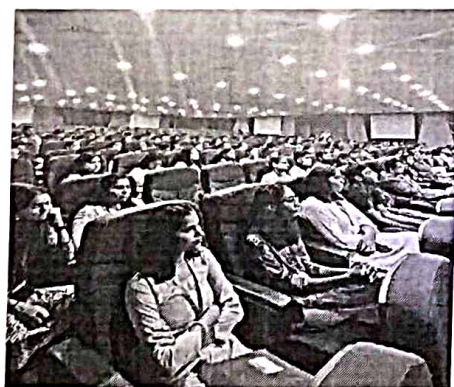
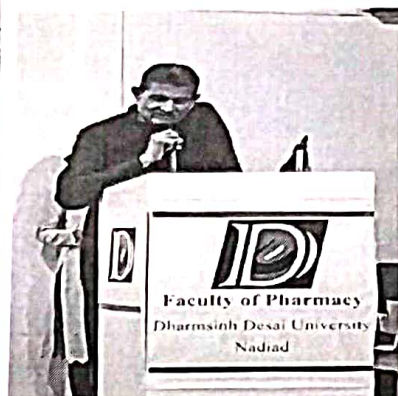
- To identify the body's capacity to heal itself
- Preventing health problems
- A personal responsibility to optimize health
- Treatment of disease that avoids drugs and surgery and emphasizes the use of natural agents (such as air, water, and herbs)
- To minimize symptoms of any illness, supporting the body's capacity to heal, and balancing the body so that illness is less likely to occur in the future.





- To revitalize and rejuvenate the body and strengthen the immune system against disease-causing agents in and around us.

Programme/Event Photograph



Name and Signature  
Dr. Mayuree A Patel

Seal of the Institute

Dr. Carol P Macwan  
Programme Coordinators

22/11/2022

**ONWARDS**

**SPEAKER**

**ABOUT  
SPEAKER**

**DR. SUNIL M DOSHI**

(Professor & Head Dept. of Forensic  
Medicine, Dr. N D Desai Faculty of  
Medical Science & Research, DDU,  
Nadiad)

**Dr. Hiren Patel (Dean)**

**Dr. Hitesh Dewan  
(CDE Convenor)**

**Dr. Vinit B Patel  
(HOD & Reader)**

Co-ordinators: Dr. Deesha Chhaya  
& Dr. Harita Shah

Dr. Sunil Doshi completed his MD in Forensic  
medicine from PDU Medical college, Rajkot.

Dr. Sunil Doshi has numerous international and  
national publications. He is author of "Intricacies  
in framing time since death" of the book  
NACPFMT'S Practical medico legal manual Vol 2.

He is currently working as H.O.D. in Dept. Of  
Forensic Medicine in Dr. ND Desai Faculty of  
Medical Science & Research, DDU Nadiad.





# DHARMSINH DESAI UNIVERSITY

## FACULTY OF DENTAL SCIENCE



(Recognized by the Dental Council of India, New Delhi)

College Road, Nadiad - 387001. Website: [www.ddu.ac.in](http://www.ddu.ac.in)

Mobile: 98247 27077 Ph: 0268- 2527077, 2522994, Email: [ddudental@gmail.com](mailto:ddudental@gmail.com)

### CDE Webminar by Dr Mayur Davda

Dr Mayur Davda is an alumnus of D. Y. Patil university School of Dentistry graduated in 2007. His core expertise in Minimally Invasive tooth preparation, smile designing, laminates and veneers etc. He has given his lectures in IAACDE, ICOI, FAMDENT, WDS, IDS, SOLA(LASER) Conference, World Dental Congress, Smile Summit, PG Conventions, Many state and national conferences. He has also conducted workshops of India. He is the resource person for dental photography for fellowship in aesthetic dentistry in Dr D. Y Patil University school of Dentistry.




DEPARTMENT OF PROSTHODONTICS, CROWN AND BRIDGEWORK & ORAL IMPLANTOLOGY

**Faculty of Dental Science, DDU, Nadiad**

**CDE WEBINAR**

**"Basics of Dental Photography & Tabletop Dental Photography for Prosthesis Images"**




**31/01/2022**

**MONDAY**

**10 AM**

**Speaker**





**DR MAYUR DAVDA**  
(PRIVATE PRACTITIONER)

Dr Hiren Patel (Dean)  
Dr Hitesh Dewan (CDE Convenor)  
Dr Somil Mathur (HOD & Professor)  
Dr Bhupesh Patel (Photography Expert)


**About Speaker**

Dr. Mayur Davda is an alumnus of Dr. D.Y Patil University School of dentistry graduated in 2007. His core expertise in Minimally Invasive tooth preparation, smile designing, laminates and veneers etc. He has given his lectures in IAACDE, ICOI, FAMDENT, WDS, IDC, SOLA(LASER) Conference, World Dental Congress, Smile Summit, PG Conventions, many state and national conferences. He has also conducted workshops in almost top dental colleges and universities of India. He is the resource person for dental photography for fellowship in aesthetic dentistry in Dr. D. Y Patil University school of Dentistry.

Co-ordinator: Dr Snehal Upadhyay & Dr Manan Shah


 **GOOGLE MEET**  **LIVE**

Mayur Davda is presenting



urvi shah can now join this meeting

10:17 AM | gxn-dvty-udx







# DHARMSINH DESAI UNIVERSITY

## FACULTY OF DENTAL SCIENCE

(Recognized by the Dental Council of India, New Delhi)

College Road, Nadiad - 387001. Website: [www.ddu.ac.in](http://www.ddu.ac.in)

Mobile: 98247 27077 Ph: 0268- 2527077, 2522994, Email: [ddudental@gmail.com](mailto:ddudental@gmail.com)

Mayur Davda is presenting

### Equipments for dental photography

#### Camera

- 4 vital requirements
- Interchangeable lens camera
- Can accept a third party flash
- Has in built WiFi
- Light in weight

Dental Photography Basics with Dr. Mayur Davda

10:39 AM | gxn-dvty-udx

Mayur Davda, snehal upadhyay, vasu perio, Deval Mehta, Arva Patel, Dr Hiren Patel, Bijal Bhavsar, 39 others, You

Chat with everyone

Mayur Davda is presenting

Dental Photography Basics with Dr. Mayur Davda

10:27 AM | gxn-dvty-udx

Mayur Davda, Jigar Purani, vasu perio, Deval Mehta, Arva Patel, Dr Hiren Patel, Faculty of Dental S..., 37 others, You

Chat with everyone

# GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY

Department of Science & Technology, Government of Gujarat



सत्यमेव जयते

Block : B, 7th Floor, M. S. Building, Nr. Pathikashram, Sector-11,  
Gandhinagar, Gujarat - 382011.

Phone : (079) 23259362-65 Fax : (079) 23259363

E-mail : info-gujcost@gujarat.gov.in

URL : www.gujcost.gujarat.gov.in



**Dr. Narottam Sahoo**

Advisor & Member Secretary

GUJCOST/Sem-Symp 3954(2)/2022-23/ 2118

30<sup>th</sup> September, 2022

**Prof. J. K. Pandya,**

Assistant Professor, Civil Engineering

Dept. of Civil Technology,

Faculty of Technology,

Dharmsinh Desai University, Nadiad: 387001

Sub: Financial Support of GUJCOST for the National STTP on "Advances in Concrete Technology"

Ref: Your proposal, dated 12<sup>th</sup> August, 2022

Dear Sir,

Greetings from Gujarat Council on Science and Technology (GUJCOST), Gandhinagar.

With reference to above, it is our pleasure to inform you that your proposal for holding the "Advances in Concrete Technology" during 10-15<sup>th</sup> October, 2022 has been considered for the financial support of GUJCOST.

GUJCOST, is in principle approved an amount of Rs.15,000/- (Rupees Fifteen thousand only) for this programme on the following terms and conditions.

1. If you change the date and speakers or proposed resource person then please, intimate to GUJCOST.
2. The programme will be organised as per the proposal and guidelines of GUJCOST for the grant.
3. GUJCOST will release the sanctioned amount after the completion of the programme and on receipt of the programme report, Utilization Certificate, list of experts, Nos of participants, statement of income & expenditure copy of vouchers, photographs, press notes, etc. with necessary stamp and signature of the Programme Coordinator and Head of the Institute.
4. The organiser should send one illustrative poster including the title of the programme, dates, venue and other information details in one-week advance to publish on GUJCOST website and social media for broader outreach.
5. The organiser also publish the informative brochure / posler on institute social media for broader outreach.
6. The organiser shall acknowledge the support of GUJCOST, DST, and Govt. of Gujarat in all the publications including poster, brochure, banner, backdrop, invitation card, press release, souvenir and proceedings.
7. The organiser shall invite the DST, Govt. of Gujarat institutions as Resource Person / Expert Member as per the subject matter concern.
8. Once the programme is over, the organiser shall submit the program report, statement of expenditure and Utilization Certificate within one month of completion of the programme within one month.

We once again thank you for your kind effort and interest in organising the programme and wish the programme a grand success.

Thank you and with best regards.

Yours sincerely,

  
(Narottam Sahoo)



**A Report on  
GUJCOST, Department of Science & Technology, Govt. of Gujarat  
Sponsored One Week Short Term Training Programme (Online) on  
“Advances in Concrete Technology”**

**10<sup>th</sup> October to 15<sup>th</sup> October, 2022**

**Coordinated by:  
Prof. J K Pandya  
Prof. A J Gondaliya**

**Organized By,  
Civil Engineering Department,  
Faculty of Technology,  
Dharmsinh Desai University,  
College Road, Nadiad,  
Gujarat.  
(October-2022)**



**Short Term Training Programme (STTP) Title:** Advances in Concrete Technology

**Duration:** 1 Week (10<sup>th</sup> October to 15<sup>th</sup> October)

**Mode:** Online

**Overview:**

Cement concrete is the largest used construction material in the world. Properties of the concrete would mainly govern the life-cycle performance of any of the infrastructure project. As infrastructure development is very important for the developing nations like India, it is really important to bring advancements in the field of construction industry.

Conventionally, Cement concrete is made up of cement, aggregate, water, chemical & mineral admixtures and sometimes supplementary cementitious materials. Plain cement concrete possesses high compressive strength but very limited tensile and bending strength. To improve these properties, to bring the sustainability (as conventional ingredients of concrete are not eco-friendly) and for specific engineering purposes, some modern materials and alternate methods of concreting are available which are said to be better in terms of performance than those of conventional options.

The motives and objectives of the present short term training program was be to address the present challenges of the concrete industries and to spread the awareness on advancements in the area of concrete technology.

Around 110 participants attended the online sessions delivered by experts from the renowned institutes and industries of India.

Programme was started with Inaugural session. Prof. (Dr.) V A Shah (Dean, Faculty of Technology) welcomed the participants and gave the brief introduction about the university and civil engineering department. Followed by his speech, Prof. K N Sheth (Head, Civil Engineering Dept.) highlighted the achievement of the department and discussed the importance and motives behind the STTP topic. At last, Prof. J K Pandya (Coordinator of STTP) briefed the schedule of the STTP and certification criteria.

After inaugural session, 22 sessions on advanced topics on concrete technology have been delivered by various experts during six days of STTP. Following topics were covered by various experts:

- Performance Oriented Concrete Mix Proportioning Approaches
- Sustainability and Concrete
- Geopolymer Concrete - State of Art
- Supplementary Cementitious Materials for Concrete
- Applications of Permeable Concrete
- Graphene based Nano-engineered Concrete
- Ultra-High-Performance Concrete
- Precast Concrete: Production and Applications
- Structural Design aspects of Precast Concrete
- Precast Concrete Pavements
- Durability of Concrete
- Advances in Chemical Admixtures
- Concrete Maturity Monitoring - Applications and Case Studies
- Non-Destructive Techniques for Building Repair and Rehabilitation
- Engineering Marvel - Statue of Unity (Construction Challenges and Materials)

STTP was concluded with Valedictory and Feedback session on 15<sup>th</sup> October. During this session, firstly feedback from the participants were collected using google form and orally. Lastly, Prof. A J Gondaliya (Coordinator of STTP) gave the vote of thanks speech. He thanked GUJCOST, Vice-Chancellor, Experts, Dean, Head, Staff members and Participants during his speech.

## Annexure-1: STTP Brochure



**GUJCOST, Department of Science &  
Technology, Govt. of Gujarat Sponsored**  
**One Week Short Term Training**  
**Programme on**  
**“Advances in Concrete Technology”**  
**(Online)**

**10<sup>th</sup> October to 15<sup>th</sup> October, 2022**

***Call for Registration and Participation***

**Coordinators:**  
**Prof. J K Pandya**  
**Prof. A J Gondaliya**

**Organized By,**  
**Civil Engineering Department,**  
**Faculty of Technology,**  
**Dharmsinh Desai University,**  
**College Road, Nadiad,**  
**Gujarat.**

### **Dharmsinh Desai University:**

Dharmsinh Desai University (DDU), located at Nadiad, is one of the leading institutions of learning in Gujarat. DDU primarily started as an engineering college (called DDIT) offering degree and diploma in Chemical Engineering in 1968. Since then, it has come a long way - adding other branches of engineering and postgraduate courses, becoming autonomous in 1990 and a deemed university in 2000, and subsequently turning into a university in 2005. Presently university consists of faculty of Technology, Management and Information Science, Dental Science, Pharmacy and Medical Science.

### **About Civil Engineering Department:**

Established in the year 1981, the Civil Engineering Department started by offering a degree course in Civil Engineering. In 1986, postgraduate programs in the areas of Geotechnical Engineering and Structural Engineering were introduced. Department also offers PhD Programs in various fields of Civil Engineering. Department is actively involved in the consultancy services and third-party audits in the areas of Geotechnical Engineering, Structural Engineering and Environmental Engineering. Environmental Audit Cell and Civil Engineering Material Testing Laboratory of the department are accredited labs by NABL.

### **About Programme:**

Cement concrete is the largest used construction material in the world. Properties of the concrete would mainly govern the life-cycle performance of any of the infrastructure project. As infrastructure development is very important for the developing nations like India, it is really important to bring advancements in the field of construction industry.

Conventionally, Cement concrete is made up of cement, aggregate, water, chemical & mineral admixtures and sometimes supplementary cementitious materials. Plain cement concrete possesses high compressive strength but very limited tensile and bending strength. To improve these properties, to bring the sustainability (as conventional ingredients of concrete are not eco-friendly) and for specific engineering purposes, some modern materials and alternate methods of concreting are available which are said to be better in terms of performance than those of conventional options.

The motives and objectives of the present short term training program would be to address the present challenges of the concrete industries and to spread the awareness on advancements in the area of concrete technology.



## Annexure-1: STTP Brochure

### Course Content:

Following major topics would be covered during this 1-week STTP:

- Performance Oriented Concrete Mix Proportioning Approaches
- Sustainability and Concrete
- Geopolymer Concrete - State of Art
- Bendable Concrete - Composition and Uses
- Self-Healing Concrete
- Supplementary Cementitious Materials for Concrete
- Applications of Permeable Concrete
- Graphene based Nano-engineered Concrete
- Ultra-High-Performance Concrete
- Precast Concrete: Production and Applications
- Structural Design aspects of Precast Concrete
- Precast Concrete Pavements
- Structural Auditing
- Building Repair and Rehabilitation - Case Studies
- Advances in Chemical Admixtures
- Concrete Maturity Monitoring - Applications and Case Studies
- Non-Destructive Techniques for Building Repair and Rehabilitation
- Engineering Marvel - Statue of Unity (Construction Challenges and Materials)

### Resource Persons:

Eminent faculty members from reputed institutions across the nation and well experienced industry experts would deliver the sessions.

### Participation Eligibility

M.E./M.Tech Students, PhD Scholars, Faculty Members and Practicing Engineers with Bachelor's degree in civil engineering are eligible to apply for this STTP.

### Certification

At the end of STTP, the participants with atleast 80% attendance would get e-certificate.

### How to Apply?

Eligible candidates may apply by filling the following google form before 5<sup>th</sup> October, 2022 Link:

<https://forms.gle/Zy1JjEPiaUfQcaxm6>



Upon receipt of Google form, participants would get confirmation through email. Candidates are advised to register early as the program is conducted in online mode and the number of participants in the STTP is limited to 60.

### Organization Committee:

#### Chief Patron

Dr. H M Desai,  
Vice Chancellor,  
Dharmsinh Desai University

#### Patron

Mr. A H Desai,  
Campus Director,  
Dharmsinh Desai University

#### Convener

Prof. (Dr.) V A Shah,  
Dean, Faculty of Technology.

#### Head

Prof. K N Sheth  
Head, Civil Engineering Department.

#### Coordinators:

Prof. J K Pandya  
M: +91-9428799069  
Email ID: jkp.cl@ddu.ac.in  
Assistant Professor, Civil Engineering Department.

Prof. A J Gondaliya  
M: +91-8866897698  
Email ID: ajg.cl@ddu.ac.in  
Assistant Professor, Civil Engineering Department.

## Annexure-2: STTP Detailed Schedule

Date & Time	10:30 to 11:30	11:45 to 12:45	2:00 to 3:00	3:15 to 4:15
<b>10-10-2022 Monday</b>	<b>Inauguration &amp; Session 1</b> <b>Present needs of the Concrete Industry</b> Mr. Nitin Chaudhary, Regional Head - Technical Customer Solution, UltraTech Cement Ltd.	<b>Session 2</b> <b>Quality Control in Concrete</b> Prof. (Dr.) B. Bhattacharjee, Professor, IIT Delhi	<b>Session 3</b> <b>Low Carbon Cement</b> Mr. Manoj Rustagi, Chief Sustainability and Innovation Officer, JSW Cement	<b>Session 4</b> <b>“3R” for Strengthening of RCC Structure</b> Prof. (Dr.) C D Modhera, Professor, SVNIT Surat
<b>11-10-2022 Tuesday</b>	<b>Session 5</b> <b>Geopolymer Concrete - State of Art</b> Prof.(Dr.) G.Mallikarjuna Rao, Professor, Vardhman College of Eng.	<b>Session 6</b> <b>Bendable Concrete - Composition and Uses</b> Prof. (Dr.) Niragi Dave, Assistant Professor, Pandit Deendayal Energy University	<b>Session 7</b> <b>Performance based Specifications for Durable Concrete</b> Dr. S. Bhaskar, Chief Scientist, CSIR-Structural Engineering Research Center (SERC)	<b>Session 8</b> <b>Precast Concrete - Pavement Applications</b> Prof. (Dr.) R S Sonporate, Professor, VNIT Nagpur
<b>12-10-2022 Wednesday</b>	<b>Session 9</b> <b>Pervious Concrete</b> Prof. (Dr.) Urmil Dave, Professor, Nirma University	<b>Session 10</b> <b>Nano-engineered Concrete</b> Prof. (Dr.) S P Dalal, Associate Professor, Sardar Vallabhbhai Patel Institute of Technology	<b>Session 11</b> <b>Ultra High Performance Concrete</b> Mr. Raghavendra D S, Manager (R&D), UHPC India Pvt. Ltd.	<b>Session 12</b> <b>Light Weight Concrete</b> Dr. G. Indu Siva Ranjani, Assistant Professor, IIT - Guwahati

## Annexure-2: STTP Detailed Schedule

Date & Time	10:30 to 11:30	11:45 to 12:45	2:00 to 3:00	3:15 to 4:15
<b>13-10-2022</b> <b>Thursday</b>	<b>Session 13</b> <b>Advances in Chemical Admixtures</b> Mr. Samir Surlaker, Assess Build Chem Pvt Ltd	<b>Session 14</b> <b>Precast Concrete - Building Applications</b> Mr. Nishant Patel, Director, M/S B N Precast	<b>Session 15</b> <b>Structrual Design Aspects of Precast Concrete Buildings</b> Mr. Samir Patel, Structural Designer, M/S B N Precast	<b>Session 16</b> <b>Supplementary Cementitious Materials for Concrete</b> Mr. Dinesh Ganvir, Principal Scientist, CSIR- Central Road Research Institute (CRRI)
<b>14-10-2022</b> <b>Friday</b>	<b>Session 17</b> <b>Concrete Maturity Monitoring - Applications and Case Studies</b> Dr. H B Dhonde, C-Probe Technologies, Pune	<b>Session 18</b> <b>Non Destructive Testing Methods</b> Mr. Ravi Ranade, Managing Director, Construction Diagnostic Centre, Pune	<b>Session 19</b> <b>Durability of Concrete</b> Prof. R J Shah, Senior Faculty, National Forensic Sciences University	<b>Session 20</b> <b>Building Repair and Rehabilitation - Case Studies</b> Prof. R J Shah, Senior Faculty, National Forensic Sciences University
<b>15-10-2022</b> <b>Saturday</b>	<b>Session 21</b> <b>Precast Concrete - Production</b> Mr. Darshit Jhaveri, Asst. Vice President - Business Development & Operations, Fuji Silvertch Concrete Pvt Ltd	<b>Session 22</b> <b>Statue of Unity - Construction Challenges and Materials</b> Mr. Rupesh Kumar, Corporate Head (Quality and Management System), JMC Projects	<b>Valedictory and Feedback</b>	--



### Annexure-3: List of Experts

Session No	Topic Name	Expert Name	Organization
1	Present needs of the Concrete Industry	Mr. Nitin Chaudhary	Regional Head - Technical Customer Solution, UltraTech Cement Ltd.
2	Quality Control in Concrete	Prof. (Dr.) B. Bhattacharjee	Professor, IIT Delhi
3	Low Carbon Cement	Mr. Manoj Rustagi	Chief Sustainability and Innovation Officer, JSW Cement
4	“3R” for Strengthening of RCC Structure	Prof. (Dr.) C D Modhera	Professor, SVNIT Surat
5	Geopolymer Concrete - State of Art	Prof.(Dr.) G.Mallikarjuna Rao	Professor, Vardhman College of Eng.
6	Bendable Concrete - Composition and Uses	Prof. (Dr.) Niragi Dave	Assistant Professor, Pandit Deendayal Energy University
7	Performance based Specifications for Durable Concrete	Dr. S. Bhaskar	Chief Scientist, CSIR- Structural Engineering Research Center (SERC)
8	Precast Concrete Pavements	Prof. (Dr.) R S Sonporate	Professor, VNIT Nagpur
9	Permeable Concrete	Prof. (Dr.) Urmil Dave	Professor, Nirma University
10	Nano-engineered Concrete	Prof. (Dr.) S P Dalal	Associate Professor, Sardar Vallabhbhai Patel Institute of Technology
11	Ultra High Performance Concrete	Mr. Raghavendra D S	Manager (R&D), UHPC India Pvt. Ltd.
12	Light Weight Concrete		
13	Advances in Chemical Admixtures	Mr. Samir Surlaker	Assess Build Chem Pvt Ltd
14	Precast Concrete - Building Applications	Mr. Nishant Patel	Director, M/S B N Precast

Session No	Topic Name	Expert Name	Organization
15	Structural Design Aspects of Precast Concrete Buildings	Mr. Samir Patel	Structural Designer, M/S B N Precast
16	Concrete White Topping	Mr. Dinesh Ganvir	Principal Scientist, CSIR- Central Road Research Institute
17	Concrete Maturity Monitoring - Applications and Case Studies	Dr. H B Dhonde	C-Probe Technologies, Pune
18	Non Destructive Testing Methods	Mr. Ravi Ranade	Managing Director, Construction Diagnostic Centre, Pune
19	Durability of Concrete	Prof. R J Shah	Senior Faculty, National Forensic Sciences University
20	Durability of Concrete	Prof. R J Shah	Senior Faculty, National Forensic Sciences University
21	Precast Concrete - Production	Mr. Darshit Jhaveri	Asst. Vice President - Business Development & Operations, Fuji Silvertch Concrete Pvt Ltd
22	Statue of Unity - Construction Challenges and Materials	Mr. Rupesh Kumar	Corporate Head (Quality and Management System), JMC Projects

## Annexure-4: Publication on University Website and GUJCOST Website

You are signed in as clajg x DHARMSINH DESAI UNIVERSITY x +

ddu.ac.in/University-Sttp22.php

DHARMSINH DESAI UNIVERSITY NIRF IQAC Excellence Centres DDU Connect Contact Us Search

DDU Advantage University Technology Dental Science Pharmacy Mgmt & Info Science Medical Science

STTP Home > University

GUJCOST (Department of Science and Technology, Govt. of Gujarat) sponsored one week STTP on "Advances in Concrete Technology"

STTP

DDU - STTP Brochure

STTP on "Advances in Concrete Technology" Detailed Schedule

https://www.ddu.ac.in/ExcellenceCentres.php DDU Films | Contact Us Copyright © 2022 DHARMSINH DESAI UNIVERSITY. All rights reserved.

11:52 06-10-2022



## Annexure-4: Publication on University Website and GUJCOST Website

The screenshot displays the GUJCOST website (gujcost.gujarat.gov.in) with a user signed in as 'clajg'. The main banner features the text 'GUJARAT STEM QUIZ' in large, colorful letters, with 'GUJARAT' in red and 'STEM QUIZ' in blue and purple. Below the banner, there's a section for 'Announcements' with a red background, listing various events and schemes. The 'Latest News' section on the left shows a post from August 29, 2022, titled 'Gujarat - Science Communication Popularisation and Its Extension (G-SCoPE) August 2022'. The 'Event & Seminar' section in the center highlights an event titled 'Advances in Concrete Technology' held at Dharmsinh Desai University, District - Kheda, from October 10-15, 2022. To the right, there's a profile of Shri Vijay Nehra, IAS, Secretary of the Department of Science & Technology, Government of Gujarat, along with images of the Regional Science Centre (RSC) and Community Science Centres. The website also includes social media links for Facebook, Twitter, Instagram, and YouTube on the right side.

**GUJARAT STEM QUIZ**

Gujarat STEM Quiz 2.0

[Read More...](#)

**Announcements**

ion (G-SCoPE) August 2022 Addendum to the guidelines of the Research Support Scheme for R&D under the STI Policy of Gujarat "ROBOFEST-GUJARAT"

**Latest News** [RSS Feed](#)

August 29, 2022 new

Gujarat - Science Communication Popularisation and Its Extension (G-SCoPE) August 2022

[View All](#) [Play ▶](#)

**Event & Seminar** [◀](#) [▶](#)

**Advances in Concrete Technology**

**Name of Institute:** Faculty of Technology, Dharmsinh Desai University, District - Kheda

**Date:** 10-15th October, 2022

**Shri Vijay Nehra, IAS**  
Secretary, Department of Science & Technology  
Government of Gujarat

**Regional Science Centre (RSC)**

**Community Science Centres**

## Annexure-5: Selected Screenshot of the Virtual sessions

**PRESENT NEEDS OF THE CONCRETE INDUSTRY**

By Er. Nitin Chaudhary  
Regional Head - North Gujarat  
UltraTech Cement Ltd.

10:32 AM | GUJCOST Sponsored STTP on "Advances in Concrete Construction"

**Session-2: Quality Control in Concrete Construction**

**Prof. (Dr.) B. Bhattacharjee**  
Professor, Civil Engineering Department,  
IIT - Delhi.

Associated With IIT Delhi Since 1982  
Expert Member of BIS  
180+ research papers  
Reviewer and Editorial Board Member of  
some reputed leading Journals  
Guided 170 M.Tech and 30 PhD Students

11:43 AM | GUJCOST Sponsored STTP on "Advances in Concrete Construction"

**Carbon Emission coming from (OPC)...**

Raw materials, energy, and resources

Clinker and cement manufacturing

Process	Quarry	Crusher	Transport	Raw mill	Kiln and preheater	Cooler	Cement mill	Logistics	Total
Energy, GJ/t	40	5	40	100	3,950	160	285	115	3,895
CO <sub>2</sub> , kg/t	3	1	7	17	479	319	28	49	925

91% Clinker factor assumed

2:06 PM | GUJCOST Sponsored STTP on "Advances in Concrete Construction"

**PRESTRESSED PRECAST CONCRETE PAVEMENT**

DR. R. S. SONPAROTE  
VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR.

3:19 PM | GUJCOST Sponsored STTP on "Advances in Concrete Construction"



You are signed in as CHKJB | Meet - GUJCOST Sponsored | meet.google.com/dxs-nqfu-xzi

Recording | Dr. Sejal Dalal is presenting

## How does Graphene works with Cement?

12:03 PM | GUJCOST Sponsored STTP on "Advances ...

Type here to search | 33°C Sunny | 12:03 12-10-2022

You are signed in as CHKJB | Meet - GUJCOST Sponsored | Abstract Submission date exten... | meet.google.com/dxs-nqfu-xzi

Recording | Indu gandhi is presenting

## Potential use of Lightweight concrete for energy efficient structures – A Case Study

Dr. G.Indu Siva Ranjani  
Assistant Professor  
Department of Civil Engineering  
Indian Institute of Technology Guwahati

3:09 PM | GUJCOST Sponsored STTP on "Advances I...

Type here to search | 35°C Sunny | 15:09 12-10-2022

You are signed in as CHKJB | Meet - GUJCOST Sponsored | Indu Siva Ranjani Gandhi - Goog... | meet.google.com/dxs-nqfu-xzi

Recording | Mr. Raghavendra is presenting

## Mechanical Properties

- Compressive Strength: **140 MPa to 220 MPa**
- Direct Tensile Strength: **~10 MPa**
- Creep Coefficient: **~0.2 (Steam Cured)**  
**~1.0 (Normal Curing)**
- Shrinkage: **~450 to 750 Microns**
- Elastic Modulus: **~50,000 MPa**

2:07 PM | GUJCOST Sponsored STTP on "Advances I...

Type here to search | 35°C Sunny | 14:07 12-10-2022

Meet - GUJCOST Sponsored | You are signed in as CHKJB | meet.google.com/dxs-nqfu-xzi

Recording | Assess Buildchem is presenting

## CLASSIFYING IWP ADDITIVES

IWPS RESISTANT TO WATER PENETRATION UNDER HYDROSTATIC PRESSURE TYPE H

IWPS RESISTANT TO WATER PENETRATION WITHOUT HYDROSTATIC PRESSURE TYPE N

ASSESS BUILD CHEM PRIVATE LIMITED | WWW.SSBUILDICHEM.COM

11:15 AM | GUJCOST Sponsored STTP on "Advances I...

Type here to search | 31°C Sunny | 11:15 13-10-2022

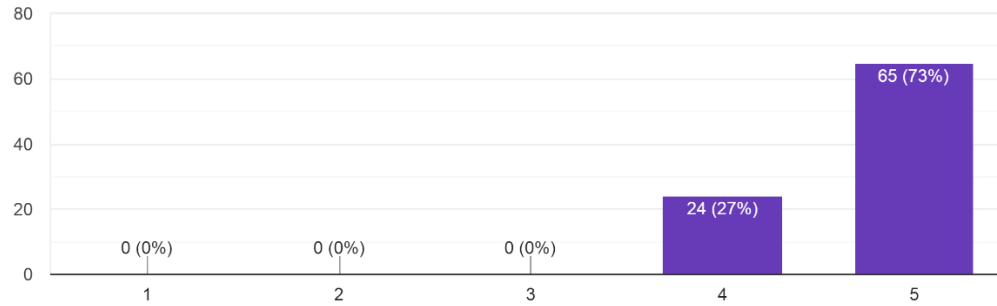


## Annexure-6: Participant Feedback Summary

### 1. Training was relevant to my needs (Scale: 1-Lowest, 5-Highest)

Training was relevant to my needs

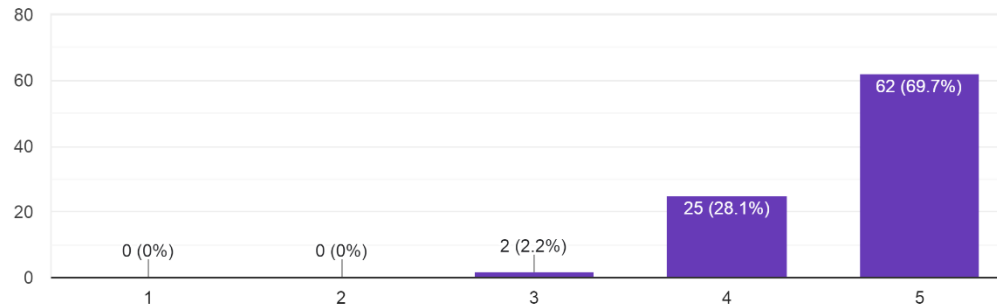
89 responses



### 2. Length of training was sufficient (Scale: 1-Lowest, 5-Highest)

Length of training was sufficient

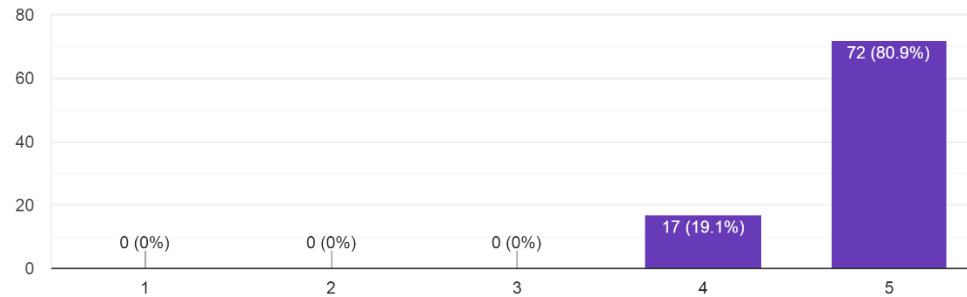
89 responses



### 3. Content was well organized (Scale: 1-Lowest, 5-Highest)

Content was well organized

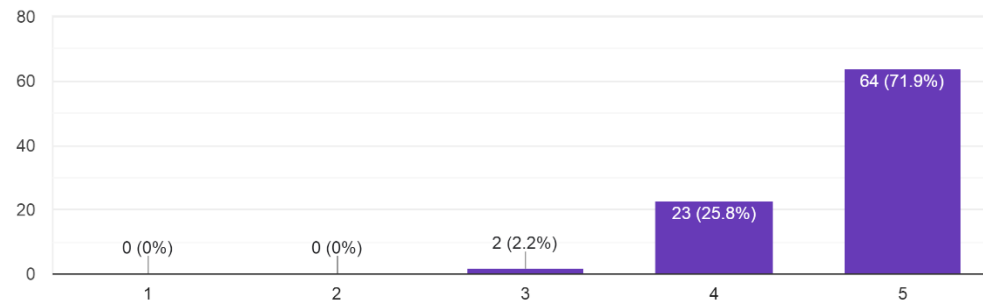
89 responses



### 4. Questions were encouraged (Scale: 1-Lowest, 5-Highest)

Questions were encouraged

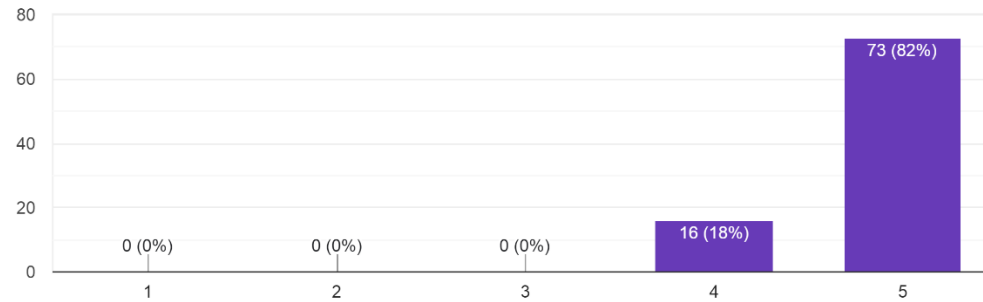
89 responses



## 5. The presenter and / or presentation was effective (Scale: 1-Lowest, 5-Highest)

The presenter and / or presentation was effective

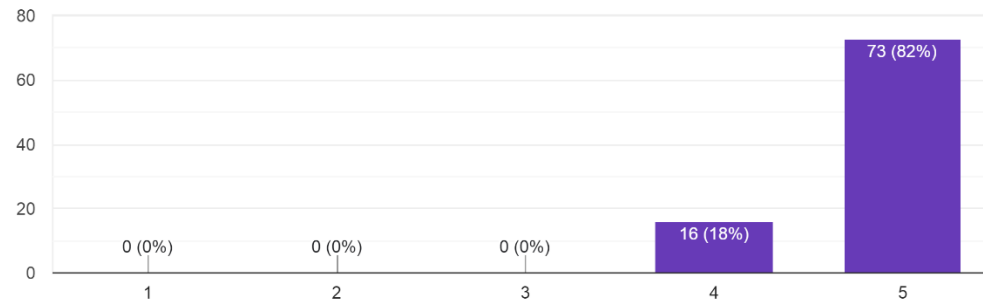
89 responses



## 6. Overall Feedback (Scale: 1-Lowest, 5-Highest)

Overall Feedback

89 responses





### Annexure-7: Sample Participation Certificate



**Dharmsinh Desai University**  
**Faculty of Technology**  
**Civil Engineering Department**



#### Certificate of Participation

This is to certify that Mr./Ms./Prof. Aftab Sajidbhai Vahora from The Maharaja Sayajirao University of Baroda has attended the GUJCOST (Department of Science and Technology, Government of Gujarat) Sponsored Short Term Training Program on **Advances in Concrete Technology** conducted online from 10-10-2022 to 15-10-2022.

Prof. K N Sheth  
Head,  
Civil Engineering Department

Prof. (Dr.) V A Shah  
Dean,  
Faculty of Technology



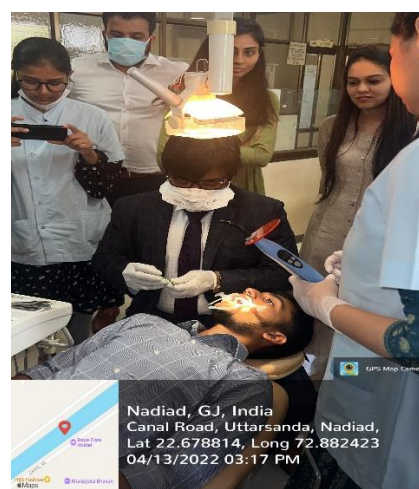
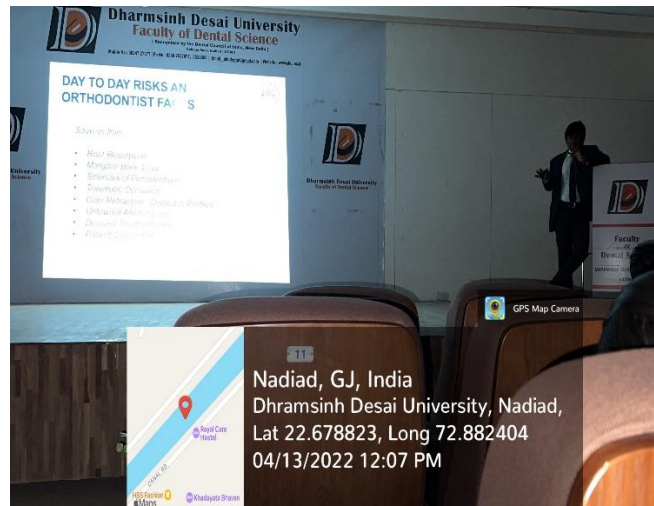
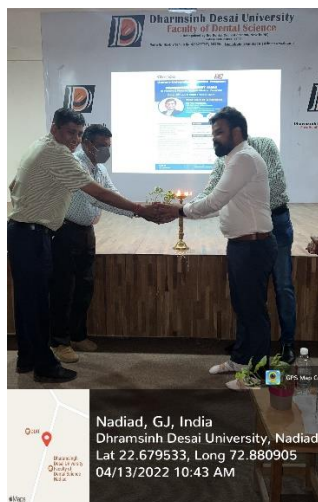
# DHRMSINH DESAI UNIVERSITY FACULTY OF DENTAL SCIENCE

(Recognised by the Dental Council of India, New Delhi)

College Road, Nadiad - 387001. Website: [www.ddu.ac.in](http://www.ddu.ac.in)

Mobile: 98247 27077 Ph: 0268- 2527077, 2522994, Email: [ddudental@gmail.com](mailto:ddudental@gmail.com)

Department of Orthodontics and Dentofacial Orthopaedics, Faculty of Dental Sciences, Dharmsinh Desai University, organized Damon-University Education Program, an informative continuing dental education event with Dr. Prof (Dr) M S Kannan (BDS,MDS- Orthodontics and Dentofacial Orthopaedics) on 13<sup>th</sup> April, 2022 to enlighten the attendants on Diagnosis & Treatment planning, Bite turbo placement , Application of push coil spring , Finishing and detailing , Bracket positioning and Archwire sequence used for 'Self-Ligation Brackets' (SLB) and how it offers low friction at arch wire-bracket interface.



Date: 22/11/2021

Ref No. GUJCOST/Sem-Symp 3507 (1)/2021-22/1405

To,  
The Member Secretary,  
Gujarat Council on Science and Technology,  
Block B, 7<sup>th</sup> Floor, M.S. Building,  
Sector 11, Gandhinagar.

**Subject: Submission of Report of GUJCOST Sponsored Two Week STTP on "Computational Approach Towards Thermal Engineering".**

Respected sir,

Its our pleasure to inform you that we have successfully organized a Two Week Online STTP on "Computational Approach Towards Thermal Engineering" from 4<sup>th</sup> – 16<sup>th</sup> October 2021 at Faculty of Technology, Mechanical Engineering Department, Dharmsinh Desai University, Nadiad.

The approval for financial assistance of Rs 30,000/- for the programme was granted with reference letter no. GUJCOST/Sem-Symp 3507 (1)/2021-22/1405 dated 26<sup>th</sup> July 2021.

Here we are submitting the report of the programme in prescribed format including the Statement of income, Expenditure and utilization certificate.

Total income amounted to Rs 75,000 (55,000 from registration fess of 110 participants and 20,000/- from university contribution). Total expenditure amounts to Rs 1,05,000/-. We request you to please kindly release the balance amount of Rs 30,000/-.

We are very grateful for the support provided to organize Two Week Online STTP on "Computational Approach Towards Thermal Engineering". We wish to continue this relationship healthy and flourishing in future.



Yours Faithfully  
Prof. Divyang G Bohra  
Coordinator, SSTP  
Assistant Professor  
Mechanical Engineering Department  
FOT, Dharmsinh Desai University  
E-mail: [dgbohra.mech@ddu.ac.in](mailto:dgbohra.mech@ddu.ac.in)  
M: 9974942139





**GUJCOST Sponsored Two Week STTP on  
"Computational Approach Towards Thermal Engineering"**

**4<sup>th</sup> Oct to 16<sup>th</sup> Oct 2021**

**Organized by  
Mechanical Engineering Department,  
Dharmsinh Desai University**

**Programme Report**

- 1. Title:** Computational Approach Towards Thermal Engineering
- 2. Category:** Two Week Online STTP
- 3. Date:** 4<sup>th</sup> Oct to 16<sup>th</sup> Oct 2021
- 4. Venue:** Mechanical Engineering Department, Faculty Of Technology, Dharmsinh Desai University.
- 5. Dignitaries Present at the Inaugral Function:**
  - a. Name:** Prof. K N Sheth  
**Designation:** Dean, Faculty of Technology  
**Name of Institute:** Dharmsinh Desai University  
**Email id:** dean.fot@ddu.ac.in
  - b. Name:** Prof (Dr.) G D Bassan  
**Designation:** Head, Mechanical Engineering Department  
**Name of Institute:** Dharmsinh Desai University  
**Email id:** gdbassan.mech@ddu.ac.in
- 6. Total No. of Participants:** 110 [Sheet Attached-Annexure-1]
- 7. Programme Summary:** Sheet Attached [Annexure-2]
- 8. Statement of Income and Expenditure:** Sheet Attached [Annexure-3]
- 9. Utilization Certificate:** Attached [Annexure-4]
- 10. Photographs:** Attached



## ANNEXURE-I

**Dharmsinh Desai University**  
**Department of Mechanical Engineering**  
**STTP on Computational Approach Towards Thermal Engineering**

### List of Participants

Sr No	Name of Participants	Name of Institute
1	Mr. Prasad Dixit	Dharmsinh Desai University
2	Mr. Pravinkumar N. Tank	Dharmsinh Desai University
3	Mr. Khimsuriya Yogeshkumar Devjibhai	GPRI, Mehsana
4	Mr. Jaydeepsinh Mahendrasinh Ravalji	Dharmsinh Desai University
5	Mr. Patel Shubham Bipinbhai	Ganpat University
6	Mr. Dhavalkumar Indravadan Upadhyay	Dharmsinh Desai University
7	Mr. Jigneshsinh Mahendrasinh Rathod	Dharmsinh Desai University
8	Mr. Abhishek Pankajkumar Bhavsar	Dharmsinh Desai University
9	Mr. Fadadu Chiragkumar Manojbhai	Dharmsinh Desai University
10	Mr. Krunalkumar Kanaivalal Shah	Dharmsinh Desai University
11	Dr Shruti J. Raval	Dharmsinh Desai University
12	Mr. Patel Amitkumar S.	Dharmsinh Desai University
13	Mrs. Hemavathi S.	Academy of Scientific and Innovative Research
14	Mr. Nirav Ashokkumar Vora	Dharmsinh Desai University
15	Dr. Sheth Rutvik Kanaivalal	Dharmsinh Desai University
16	Mr. Hitesh N Panchal	Dharmsinh Desai University
17	Mr. Patel Vivekkumar Bhagvandas	Gujarat Power Engineering and Research Institute
18	Mr. Pranav Rohitbhai Mehta	Dharmsinh Desai University
19	Dr. Anand Kumar Tiwari	Dharmsinh Desai University
20	Miss. Aditi Kanaivalal Sheth	Dharmsinh Desai University
21	Mr. Dhrumil G. Gandhi	Dharmsinh Desai University
22	Mr. Dhavalsinh Ramanji Sodha	Parul University
23	Mr. Milan Deepakbhai Trivedi	L J Institute Of Engineering and Technology
24	Miss. Rinal V Mistry	Dharmsinh Desai University
25	Mrs. Heta Shashank Shah	Dharmsinh Desai University
26	Mr. Ramesh Bhoi	Parul University
27	Mr. Sandeep Yadav	MBM Engineering College, Jodhpur
28	Mr. Hirenkumar Nileshbhai Pandya	Dharmsinh Desai University
29	Mr. Furquan Raza	Vishwa Vishwani Institute of System and Management
30	Mr. Siddharth Modi	Dharmsinh Desai University
31	Mrs. Shweta Gaur	Dharmsinh Desai University
32	Mr. Maharishi Kamlesh Trivedi	U V Patel College Of Engineering, Ganpat University
33	Dr. Dipteshkumar Patel	L.J. Institute Of Engineering And Technology
34	Mr. Joshi Rajesh Muljibhai	Dharmsinh Desai University



35	Mr. Chirag Kumar Arvindbhai Kapatel	Dharmsinh Desai University
36	Mr. Hemant Kumar	Dharmsinh Desai University
37	Mr. Prajapati Nimesh Rajanikantbhai	Dharmsinh Desai University
38	Mr. Guru Bachan Satsangi	The Maharaja Sayajirao University of Baroda,
39	Mr. Patel Axitkumar Rakeshbhai	The Maharaja Sayajirao University of Baroda
40	Mr. Bamaniya Jayesh Pravinbhai	The Maharaja Sayajirao University of Baroda
41	Mr. Sunny Jagdish Shiyal	The Maharaja Sayajirao University of Baroda
42	Dr. Arvind Shivanand Mohite	The Maharaja Sayajirao University of Baroda
43	Mr. Nair Nirajkumar Gangadharan	Dharmsinh Desai University
44	Dr. Mayur D Kevat	The Maharaja Sayajirao University of Baroda
45	Mr. Vimal Gopaldas Gandhi	Dharmsinh Desai University
46	Mr. Mihir Pravinkumar Shah	Dharmsinh Desai University
47	Mr. Bhuva Bhailal Valjibhai	U V Patel College Of Engineering, Ganpat University
48	Mr. Shailesh Mansukhbhai Patel	The Maharaja Sayajirao University of Baroda
49	Mr. Mehul Pravinbhai Bambhania	The Maharaja Sayajirao University of Baroda
50	Mr. Dhwanik Natvarlal Patel	Dharmsinh Desai University
51	Dr. Gurmit Singh Darshan Singh Bassan	Dharmsinh Desai University
52	Mr. Sunil Kumar Dewangan	Dharmsinh Desai University
53	Dr. Nikul Khushalbhai Patel	The Maharaja Sayajirao University of Baroda
54	Miss. Soni Sheetal	The Maharaja Sayajirao University of Baroda
55	Mr. Patel Mehulkumar Bhaichandbhai	B S Patel Polytechnic
56	Mr. Purohit Malav Jitendrakumar	Dharmsinh Desai University
57	Mr. D Damodara Reddy	SSSUTMS, Sehore
58	Mr. Trivedi Harshit Vineshbhai	The Maharaja Sayajirao University of Baroda
59	Mr. Puneet Bansal	Ganpat University, Kherva, Mehsana
60	Mr. Manoj Kumar Elipey	Vardhaman College of Engineering
61	Mr. Ravindra M Gupta	Parul Institute of Technology
62	Prof Shahabuddin M Modasiya	U V Patel College of Engineering, Ganpat University
63	Mr. Ashish Kumar Virabhai Patel	U V Patel College of Engineering, Ganpat University
64	Mr. Vipul P Patel	U V Patel College of Engineering, Ganpat University
65	Mr. Chaina Ram	PDEU-Gandhinagar
66	Mr. Himanshu Vinubhai Patel	Dharmsinh Desai University
67	Mr. Lawrence Ningombam	National Institute Of Technology, Manipur
68	Dr. Jagadeesha T	National Institute Of Technology, Calicut
69	Mr. Bandi Surender	National Institute Of Technology, Warangal
70	Mr. Srinivasa Reddy Nallimilli	Vardhaman College of Engineering
71	Mr. Amitkumar S. Patel	U V Patel College of Engineering, Ganpat University
72	Mr. Akash Manojbhai Siddhapura	U V Patel College of Engineering, Ganpat University
73	Mr. Himanshu R. Sathavara	U V Patel College of Engineering, Ganpat University
74	Mr. Mandavia Kartik Manojkumar	Dharmsinh Desai University



75	Mr. Gururaj	M S Ramaiah Institute Of Technology Bangalore.
76	Mr. Mitesh Natvarbhai Prajapati	Dharmsinh Desai University
77	Mr. Dipamkumar Sureshbhai Patel	Dharmsinh Desai University
78	Mr. Gaurang N Makwana	Dharmsinh Desai University
79	Mr. Mihirkumar V Tadv	The Maharaja Sayajirao University of Baroda
80	Mr. Sunil Kothiyari	National Institute Of Technology, Warangal
81	Mr. Pratik B. Patel	SAL Engineering and Technical Institute
82	Mr. Deepankar Pati	NIET, Angul Odisha
83	Mr. Mahavirsinh Madarsinh Chavda	Dharmsinh Desai University
84	Mr. Akshaykumar R. Mengar	Dharmsinh Desai University
85	Mr. Pranav Rasikbhai Parikh	Dharmsinh Desai University
86	Mr. Nimeshchandra Sumanbhai Patel	Dharmsinh Desai University
87	Mrs. Vidyasri Khadanga	KIIT University, Bhubaneswar
88	Mr. Manishkumar Sureshbhai Maisuria	Parul University
89	Mr. Tigmanshu Patel	Dharmsinh Desai University
90	Mr. Roopnesh V. Solanki	Dharmsinh Desai University
91	Mr. Manoj Kumar Rout	Veer Surendra Sai University of Technology
92	Mr. Amit Kumar Behera	Veer Surendra Sai University of Technology
93	Mr. Prasanta Kumar Padhi	Veer Surendra Sai University of Technology
94	Mr. Pandaba Patro	Veer Surendra Sai University of Technology
95	Mr. Satyabrata Nath	Veer Surendra Sai University of Technology
96	Miss. Ananya Mahapatra	Veer Surendra Sai University of Technology
97	Dr. Prabir Kumar Jena	Veer Surendra Sai University of Technology
98	Mr. Deepak Kumar Sethy	Veer Surendra Sai University of Technology
99	Mr. Brijeshkumar Parsottambhai Waghela	Dharmsinh Desai University
100	Mr. Siba Prasad Behera	KIIT University, Bhubaneswar
101	Mr. Hrushikesh Barik	Veer Surendra Sai University of Technology
102	Mr. Bijanananda Mishra	Veer Surendra Sai University of Technology
103	Mr. Ajay Kumar P V	National Institute of Technology Calicut
104	Dr. Chirag S Dalal	Dharmsinh Desai University
105	Mr. Himanshukumar Rajendrabhai Patel	Dharmsinh Desai University
106	Dr. Kantilal Chouhan	Dharmsinh Desai University
107	Mrs. Dipali N. Shah	Dharmsinh Desai University
108	Mr. Nirav J. Bhavsar	Dharmsinh Desai University
109	Mr Shantanukumar Maity	Veer Surendra Sai University of Technology
110	Mr Pinkesh Vasantbhai Patel	Dharmsinh Desai University



## ANNEXURE-2

### Programme Summary

GUJCOST and DST sponsored Two Week Online STTP on “Computational Approach Towards Thermal Engineering” was conducted online by Mechanical Engineering Department at Dharmsinh Desai University, Nadiad, from 4<sup>th</sup> Oct- 16<sup>th</sup> Oct 2021. There were total 110 registrations from reputed Universities and Colleges. The participants were Faculties, Research Personnel and Research Scholars.

The inaugural session was concluded with the presentation of vote of thanks to GUJCOST & DST, dignitaries present at inaugural function and institute authorities by Prof. Dr. Shruti J Raval.

The programme was successfully organized for two weeks, with theory and practical sessions every day. The detailed programme day wise is as per attached sheet. The participants were benefitted with the special hands-on training of CFD (ANSYS) software related to specific areas as mentioned in the attached programme schedule.

The SSTP was planned to explore the core research areas of Thermal Engineering with a view to have practical hands-on training of ANSYS CFD software for the respective research areas as mentioned in the detailed schedule. The basic aim of training to understand the practical applicability of ANSYS CFD was successfully fulfilled.

We heartly thanks GUJCOST and DST for their support to organize such a big event.

### Detailed Schedule of Two Week STTP

<b>Date and Day</b>	<b>9:30 am – 11:00 am Session 1/Speaker</b>	<b>11:30 am – 1:00 pm Session 2/Speaker</b>	<b>2:00 pm – 3:30 pm Session 3/Speaker</b>
<b>[4/10/2021] Monday</b>	CFD Overview-i [Introduction & Applications] Dr. C R Sonawane	CFD Overview-ii [Governing Equations] Dr. C R Sonawane	CFD Overview-iii [FDM Approach] Dr. C R Sonawane
<b>[5/10/2021] Tuesday</b>	CFD Overview-iii [FEM Approach] Dr. C R Sonawane	Introduction to Space claim & CAD cleanup (Tutorial) Engg. Sangeetha Sharma	Introduction to Space claim & CAD cleanup (Hands on) Engg. Sangeetha Sharma
<b>[6/10/2021] Wednesday</b>	Introduction to Workbench and Meshing (Tutorial) Engg. Sangeetha Sharma	Introduction to Workbench and Meshing (Hand On) Engg. Sangeetha Sharma	Boost Your Immunity Through Yoga & Meditation Mr. Rajiv Nair
<b>[7/10/2021] Thursday</b>	CFD Overview-iii [FVM Approach] Dr. C R Sonawane	Introduction to Fluent Meshing (Tutorial) Engg. Kailash Jagtap	Introduction to Fluent Meshing (Hands On) Engg. Kailash Jagtap
<b>[8/10/2021] Friday</b>	Introduction to ANSYS Fluent (Tutorial) Engg. Kailash Jagtap	Introduction to ANSYS Fluent (Hands On) Engg. Kailash Jagtap	Energise Your Brain and Body Through Yoga & Meditation Mr. Rajiv Nair
<b>[11/10/2021] Monday</b>	Turbulence Modelling Dr. Parag chaware	Turbulence Modelling (Tutorial) Engg. Kailash Jagtap	Turbulence Modelling (Hands On) Engg. Kailash Jagtap
<b>[12/10/2021] Tuesday</b>	External Aerodynamics Dr. C R Sonawane	External Aerodynamics (Tutorial) Engg. Kailash Jagtap	External Aerodynamics (Hands On) Engg. Kailash Jagtap
<b>[13/10/2021] Wednesday</b>	Radiation & Natural Convection Dr. Parag chaware	Radiation & Natural Convection (Tutorial) Engg. Kailash Jagtap	Radiation & Natural Convection (Hands On) Engg. Kailash Jagtap
<b>[14/10/2021] Thursday</b>	Multiphase Flow Dr. C R Sonawane	Multiphase Flow (Tutorial) Engg. Kailash Jagtap	Multiphase Flow (Hands On) Engg. Kailash Jagtap
<b>[16/10/2021] Saturday</b>	Fluid Structure Interaction Analysis Dr. Arvind Katyayan	Fluid Structure Interaction Analysis (Tutorial) Engg. Kailash Jagtap	Fluid Structure Interaction Analysis (Hands On) Engg. Kailash Jagtap



Dr. Arun Desai University  
Faculty of Technology, Department of Mechanical Engineering  
Two Week STTP on: Computational Approach Toward Thermal  
Engineering

Statement of Income & Expenditure

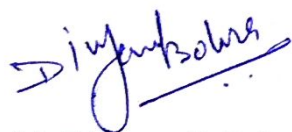
Income

Sr. No.	Particulars	Amount
1	Income from Registration Fees of 110 Faculties	55,000
2	Contribution of the Host Institute	20,000
3	Amount received from GUJCOST (Rs. 30,000 Sanctioned)	Nil
Total Income		75,000

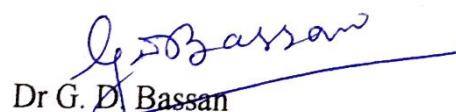
Expenditure

Sr. No.	Particulars	Amount
1	Remuneration for Experts (29 Sessions)	58,000
2	Purchase Items	11,499
3	Certificate Charges	6000
4	Stationery items and Prints	8120
5	Food Bill (for 15 days)	17230
6	Courier and development Charges	3775
Total Expenditure		1,04,624

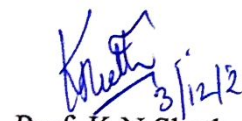
Total= 104624-75000 = 29624  
(Amount required from GUJCOST)



Mr Divyang G. Bohra  
Assistant Professor  
Department of Mechanical Engineering  
FoT, DDU, Nadiad



Dr G. D. Bassan  
Head of Department of Mechanical Engineering  
FoT, DDU, Nadiad

  
3/12/21  
Prof. K N Sheth  
Dean, Faculty of Technology  
DDU, Nadiad

# UTILIZATION CERTIFICATE (2021-22)

For the financial year (2021-22)

1.	Title of the Project / Scheme	: Two week STTP on computational approach towards thermal engineering
2.	Name of the Institute	: Dharmsinh Desai University, Nadiad, Gujarat
3.	Name of Director	: Dr. H. M. Desai
4.	<b>GUJCOST</b> Sanction Order No & Date of sanctioning the project	: GUJCOST/Sem-Symp 3507(1)/2021-22/1405 Date: 26 <sup>th</sup> July, 2021
5.	Amount brought forward from the previous financial year. <b>GUJCOST</b> letter no and date on which the authority to carry forward the said amount was given.	: Nil
6.	Amount received from <b>GUJCOST</b> during the Financial year (sanction order No. & date as per SrNo. 4)	: Nil
7.	Total amount that was available for expenditure incurred during the financial year	: <b>75000</b> 1. Registration fees: 55000 2. University Contribution : 20000
8.	Actual Expenditure Incurred during the financial year ( up to 31 <sup>st</sup> March)	: 1,04,624 (One Lack four thousand six hundred twenty four)
9.	Balance amount available at the end of a financial year (upto 31 <sup>st</sup> March) (Sr. 7 - 8)	: $104624 - 75000 = (-29624)$ (Amount required from GUJCOST)
10.	Unspent balance refunded, if any (please give details of chq no. & ChqDt., with Forwarding letter no. & Ltr dt. )	: Nil
11.	Amount allowed to be carried forward to the next financial year (if applicable)	: Nil

Certified that the expenditure of Rs. 1,04,624 (One Lack four thousand six hundred twenty four only) mentioned against column 8 was actually incurred for Dharmsinh Desai University, Nadiad centre for the purpose for which it was sanctioned.

Place: Nadiad

Signature of the Project Coordinator

Date: -

Signature of Chartered Accountant

Date: - 26.1.2022

UD 21 - 2202051 AAAA / 266450

Signature of Head of the Institution/Organization

Date: -

**(Prof. K. N. SHETH)**  
Dean  
Faculty of Technology  
Dharmsinh Desai University  
College Road, NADIAD - 387001.



For the financial year (2021-22)

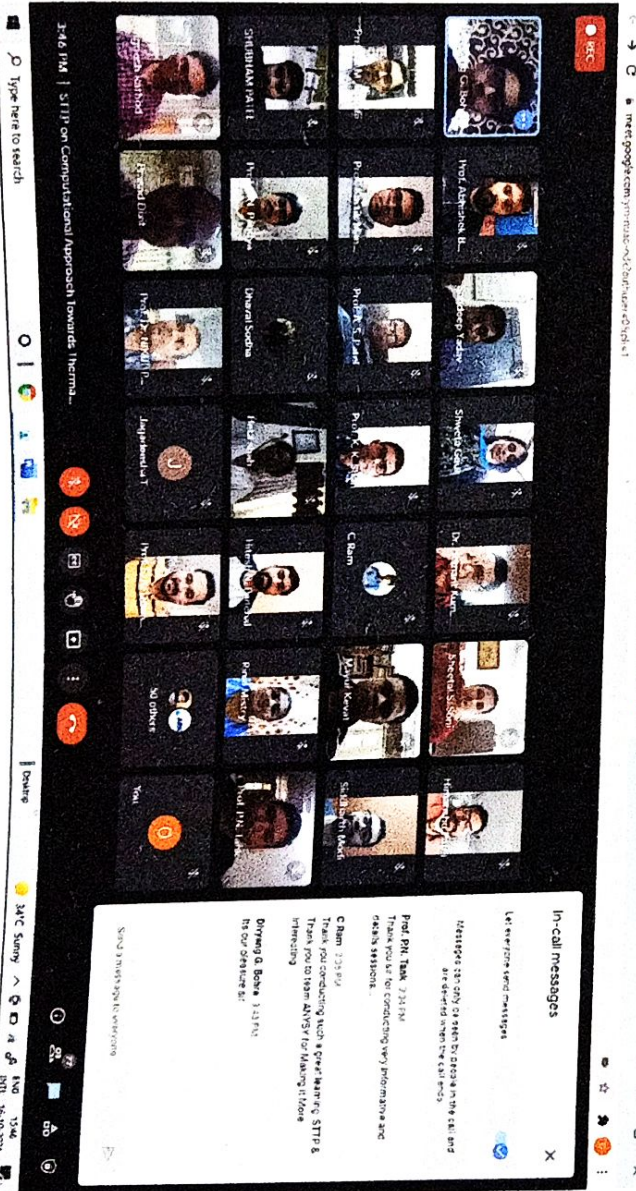
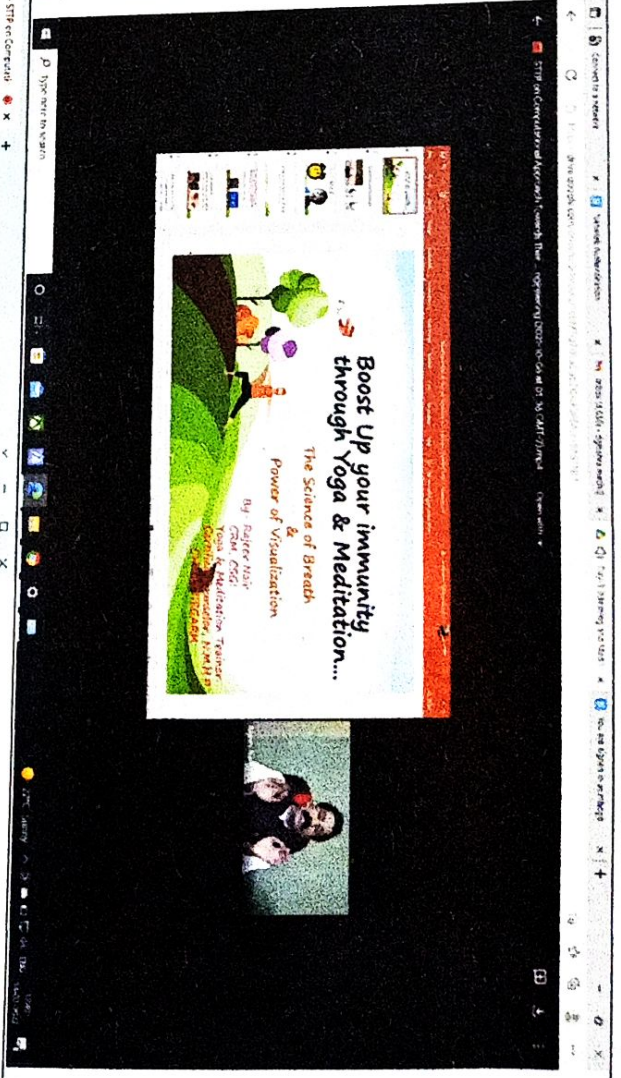
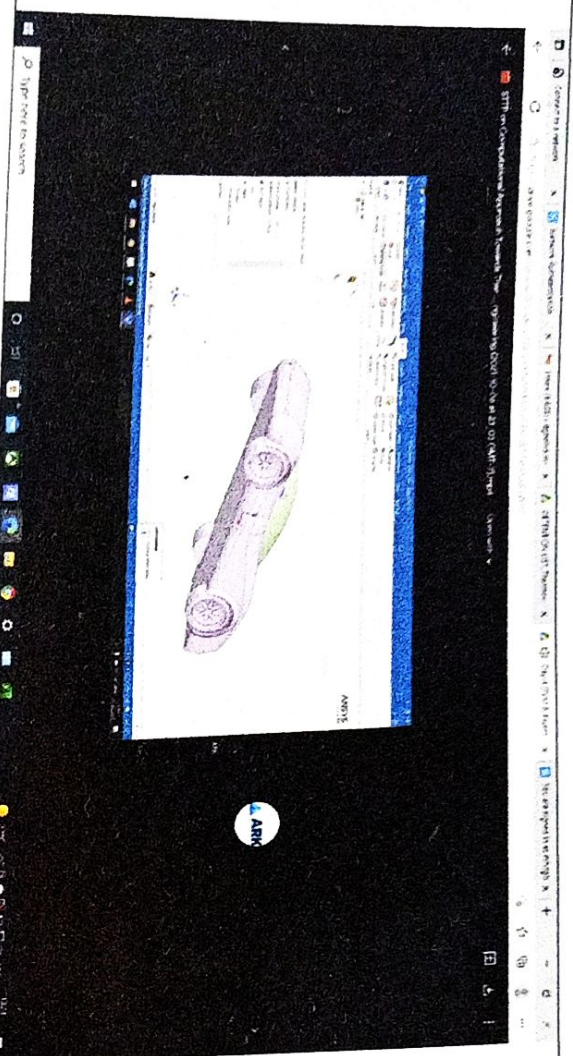
Certified that the expenditure of Rs. 1,04,624 (One Lack four thousand six hundred twenty four only) mentioned against column 8 was actually incurred for Dhamrsinh Desai University, Nadiad centre for the purpose for which it was sanctioned.

Faculty of Technology  
Dharmsinh Desai University  
College Road, NADIAD - 387001.













Dharmvish Desai University

DEPT. OF PUBLIC HEALTH DENTISTRY

Faculty of Dental Science, DDU, Nadiad

VALUE ADDED COURSES

**"HUMAN VALUES: SOCIAL & COMMUNITY"**

24/11/2022  
**ONWARDS**

**SPEAKER**

**ABOUT  
SPEAKER**

**DR. DARSHIL THAKKAR**

(Tutor, N D Desai Faculty of Medical  
Science & Research, DDU, Nadiad)



**Dr. Hiren Patel (Dean)**

**Dr. Hitesh Dewan  
(CDE Convenor)**

**Dr. Vinit B Patel  
(HOD & Reader)**

Co-ordinators: Dr. Deesha Chhaya  
& Dr. Harita Shah

Dr. Darshil has completed his MBBS from CU Shah Medical College & Hospital, Surendranagar in 2020.

He worked as a Medical Officer in Dhanvantri Covid Hospital, DRDO and as a community field worker during COVID 2019 pandemic.

He holds certificates for intensive care in Pediatrics & Neonatology from Synergy Neonatal & Pediatric Center Ahmedabad.

He is a national level winner for IAPSM World Health Day 2017 video competition on theme depression.

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**VENUE: "Auditorium: FODS, DDU"**





A  
Report Of

GUJCOST sponsored One-week Online Short-Term Training Programme

on

**“Recent Advancements in Deep Learning”**

Organized By



Department of Information Technology  
Faculty of Technology  
Dharmsinh Desai University

GUJCOST sponsored one-week online short-term training program on “Recent Advancements in Deep Learning” was successfully organized by the Department of Information Technology, Faculty of Technology, Dharmsinh Desai University, from 28th March to 1st April 2022 under the coordination of Prof. (Dr.) Mukesh Goswami and Prof. (Dr.) Harshad Prajapati and under the convenorship of Prof. (Dr.) Vipul Dabhi (Head, Dept. of IT). The main objectives of this STTP are threefold: 1) To provide an understanding of deep architectures, 2) To explore practical applications in important domains, and 3) To provide hands-on to realize architectures and applications using Google Colab. The STTP covered various deep learning architectures and applications from diversified domains such as Image, Vision, Video, Natural Language Processing, Medical Image Analysis, etc. The STTP was targeted at Ph.D. scholars, research fellows, academicians, IT professionals, as well as undergraduates and postgraduate students.

The STTP attracted a total of 51 participants, including 37 faculties, 3 Ph.D., 2 PG, and 9 UG students. The institute wise number of participants are: DEPSTAR-CHARUSAT (2), CSPIT-CHARUSAT (4), MSU (2), RK University (1), Parul University (1), Marwadi University (2), SVIT-Vasad (2), and the rest of the participants are from DDU (IT, CE and EC Departments).

The following topics were covered in the STTP:

**Day 1 :**

Session 1: Introduction to Neural Network and Deep Learning.

Session 2: Research Trends in Deep Learning

Lab Session 1: Python, TensorFlow, and Keras using Google CoLab.

**Day 2 :**

Session 3: Application of Deep Learning in Image and Vision

Session 4: Introduction to Convolutional Neural Network (CNN)

Lab Session 2: Implementing CNN using TensorFlow and Keras.

**Day 3 :**

Session 5: Application of Deep Learning in Natural Language Processing

Session 6: Introduction to Generative Adversarial Network

Lab Session 3: Image Vision and NLP Applications.

**Day 4 :**

Session 7: Application of CNN to Image Processing and Analysis.

Session 8: Deep Random Forest and its Application in Medical Image Analysis.

Session 9: Tuning and Optimization of Deep Learning Model.

**Day 5:**

Session 10: Faster R-CNN and its application in Object Detection.

Session 11: Stress Management and Meditation.

Feedback and Valedictory.

A total of 14 sessions were delivered by 12 imminent experts from Industry and academia over 5 days. The detailed list of speakers is as follows:

- 1) Prof. (Dr.) Sanjay Chaudhary, Ahmedabad University, Ahmedabad
- 2) Prof. (Dr.) Mehul Raval, Ahmedabad University, Ahmedabad
- 3) Prof. (Dr.) Gaurav Harit, IIT Jodhpur
- 4) Prof. (Dr.) Ahlad Kumar, DAIICT, Gandhinagar
- 5) Prof. (Dr.) Jignesh Bhatt, IIIT Vadodara
- 6) Prof. (Dr.) Ashish Phophalia, IIIT, Vadodara
- 7) Prof. (Dr.) Sandeep Modha, LDRP Gandhinagar
- 8) Dr. Ankit Desai, Director Data Scientist, Locus.sh, Bangalore
- 9) Prof. (Dr.) Vipul Dabhi, D. D. University, Nadiad
- 10) Prof. (Dr.) Harshad Prajapati, D. D. University, Nadiad**
- 11) Prof. Nikita Desai , D. D. University, Nadiad
- 12) Shree Jitendra Khimlani, Art of Living Faculty and Motivation Speaker

All above-mentioned experts had delivered expert talks as per the planned schedule and had delivered sessions at depth.

Assessment, Feedback, and Valedictory function of the STTP was held at 3:30 PM on 1 April 2022. Formal feedback was collected from participants. Furthermore, few participants also provided oral feedback and the participants concurred that participants benefited a lot by attending this STTP.



Day 1: - 28/03/2022

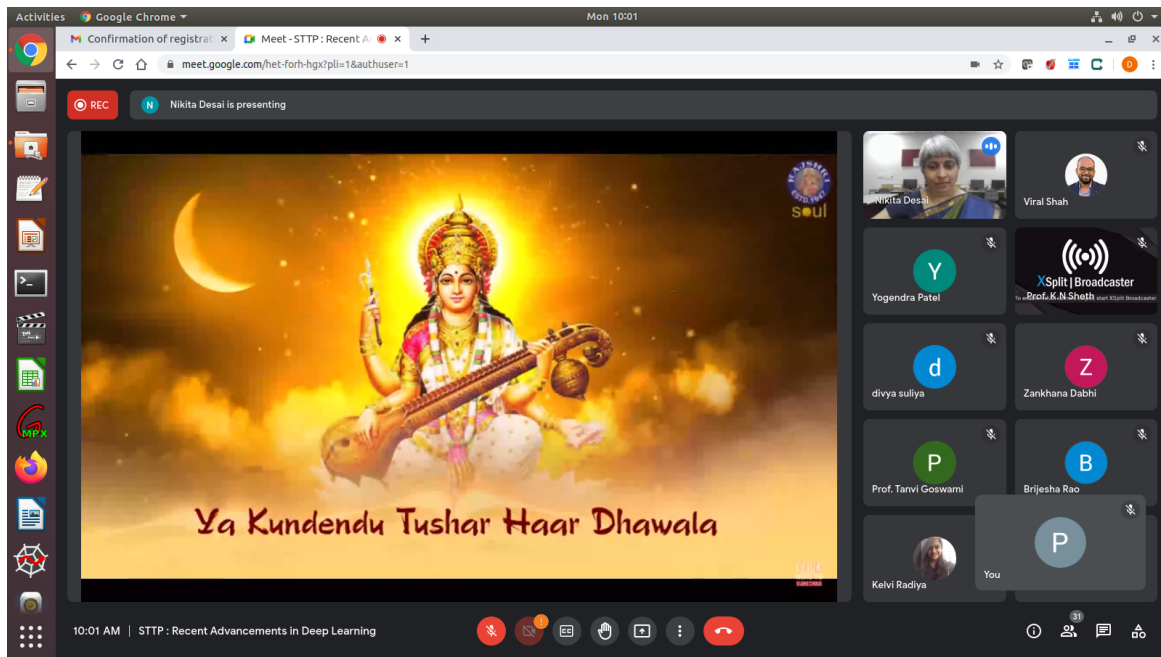


Fig. 1: Inauguration Ceremony

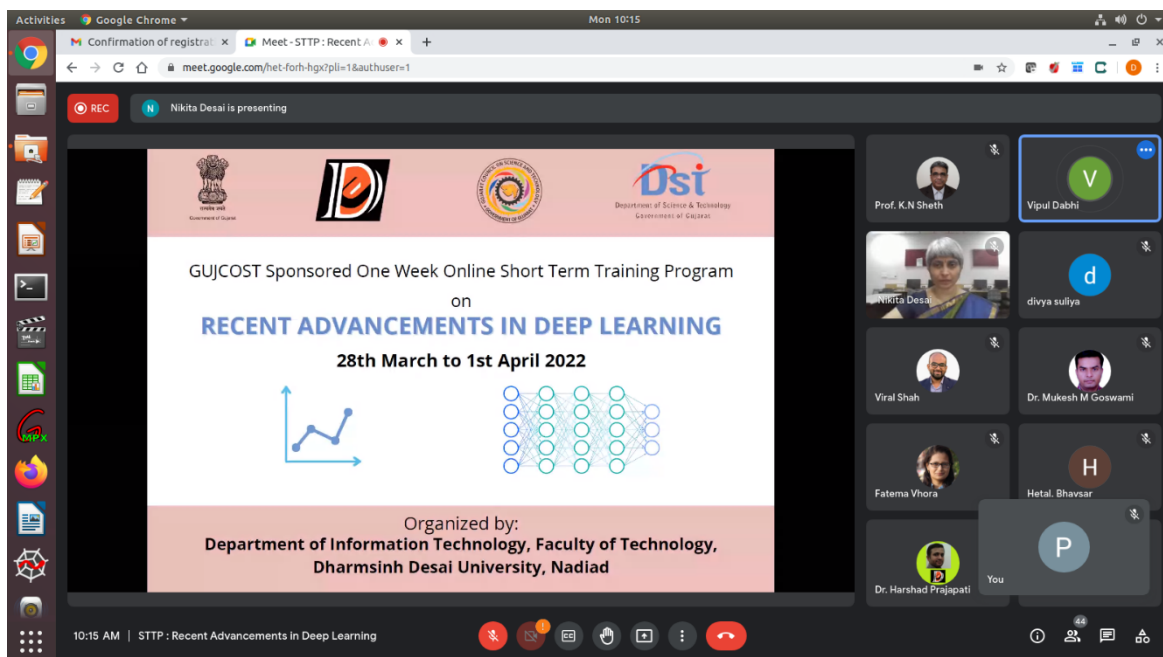


Fig. 2: Inauguration Ceremony

During the inauguration ceremony of the STTP, Prof. Nikita Desai welcomed all the speakers, participants, and guests with a very beautiful prayer of the Saraswati Devi. Prof. K. N. Sheth, the Dean of the Faculty of Technology, and Dr. Vipul K. Dabhi, the head of the IT Department inaugurated the STTP and motivated participants with their speeches.

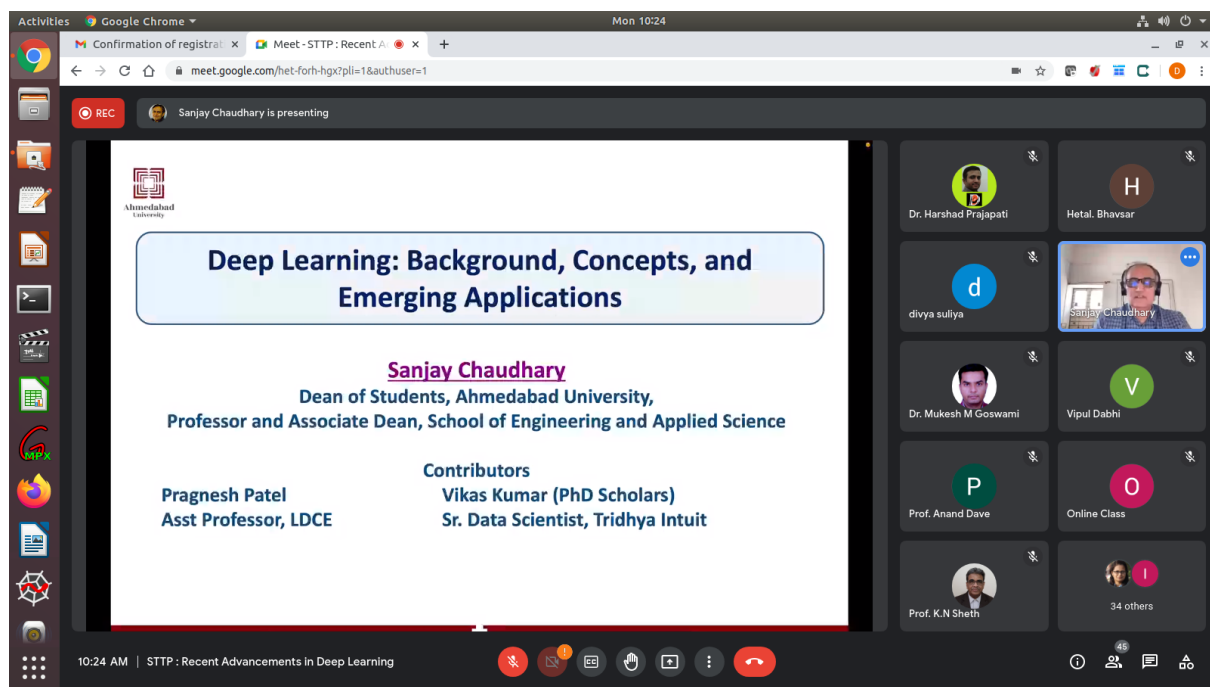


Fig. 3: Day-1 Session 1 of Dr. Sanjay Chaudhary

The first session was conducted by Dr. Sanjay Chaudhary from Ahmedabad University. He had covered topics such as basic concepts, background theory, and emerging applications of deep learning in various fields. He had discussed the various challenges, opportunities, and future aspects of deep learning.

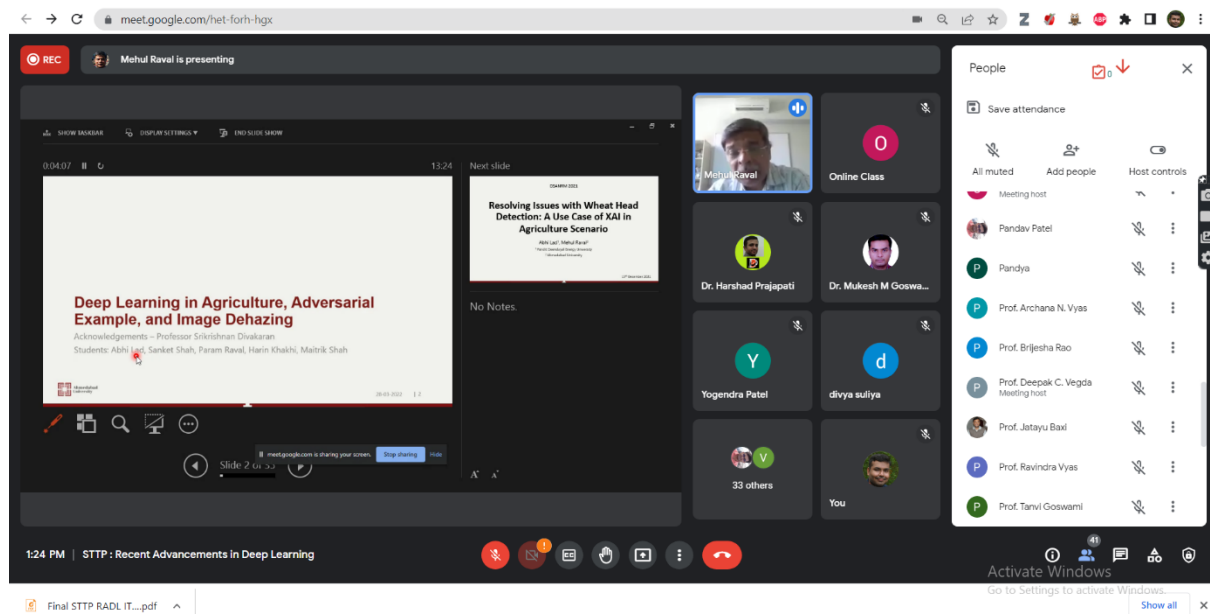


Fig. 4: Day-1 Session 2 of Dr. Mehul Raval

The second session was conducted by Dr. Mehul Raval from Ahmedabad University. He deliberated the use cases of deep learning in agriculture as well as medical science.

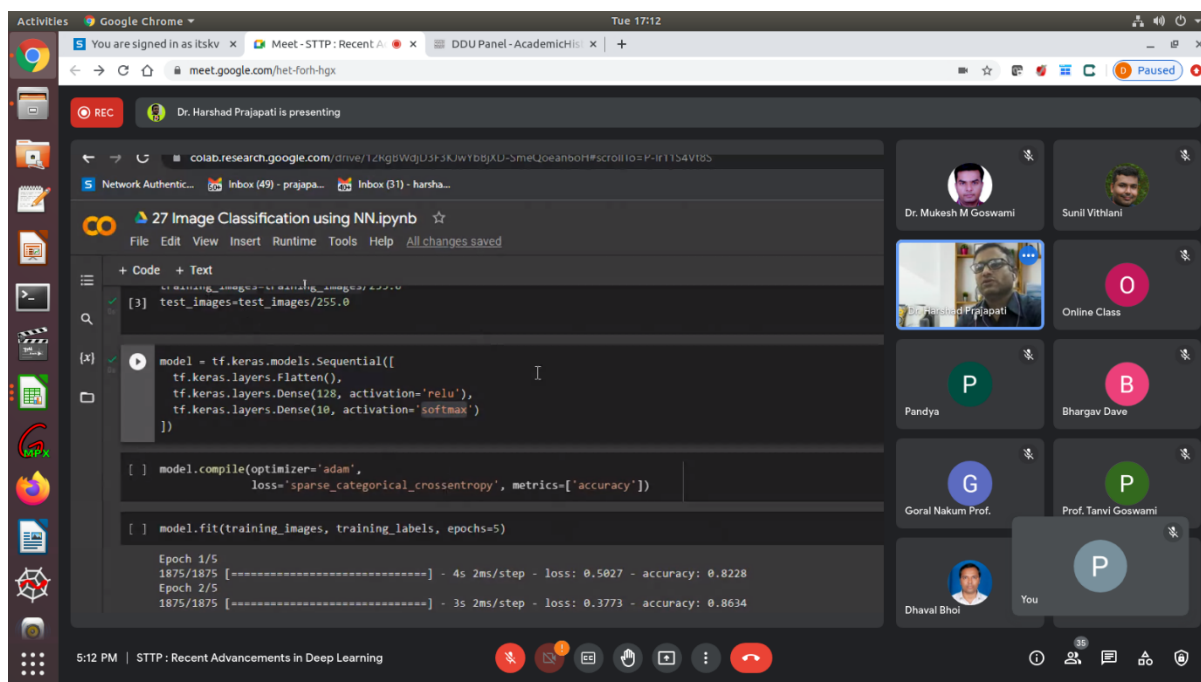


Fig. 5: Day-1 Session 3 of Dr. Harshad B. Prajapati

On the first day, the 3rd session was a practical session which was conducted by Dr. Harshad B. Prajapati from Dharmsinh Desai University. He demonstrated the Google Colab environment for the implementation of real-world problems of deep learning algorithms using a python programming language. Participants had also performed the hands-on using the same.

## Day 2: - 29/03/2022

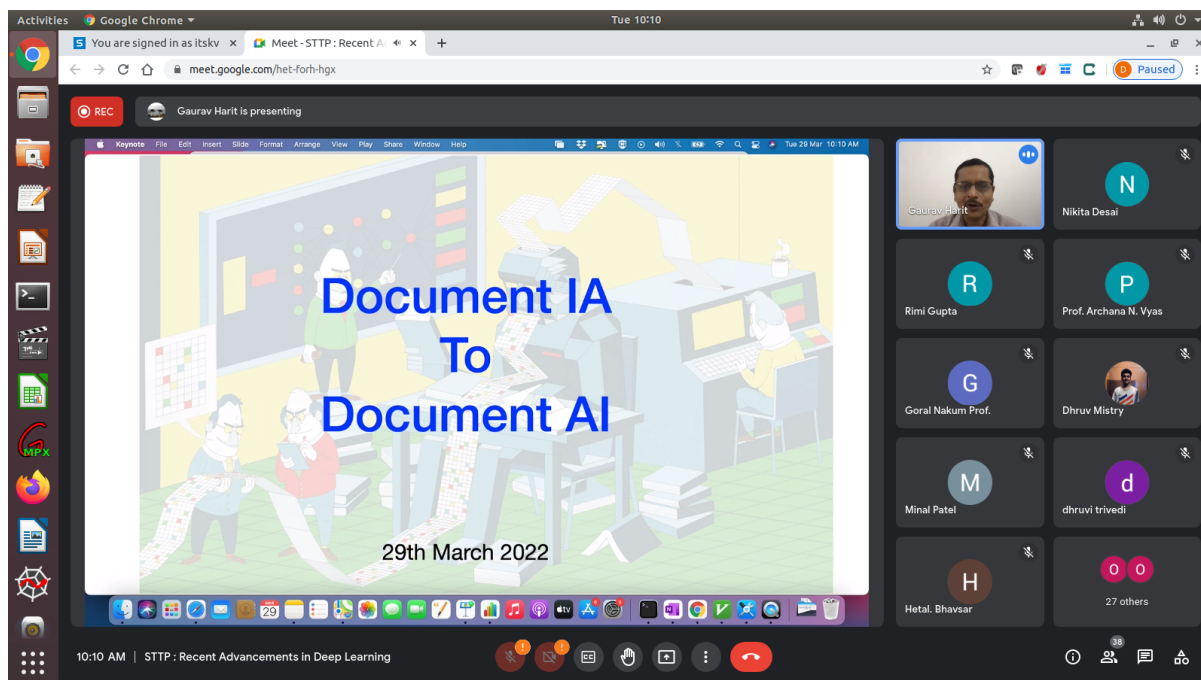


Fig. 6: Day-2 Session 1 of Dr. Gaurav Harit



Dr. Gaurav Harit from IIT Jodhpur gave the first session on the second day. He gave a discussion about the use of deep learning in image and vision processing.

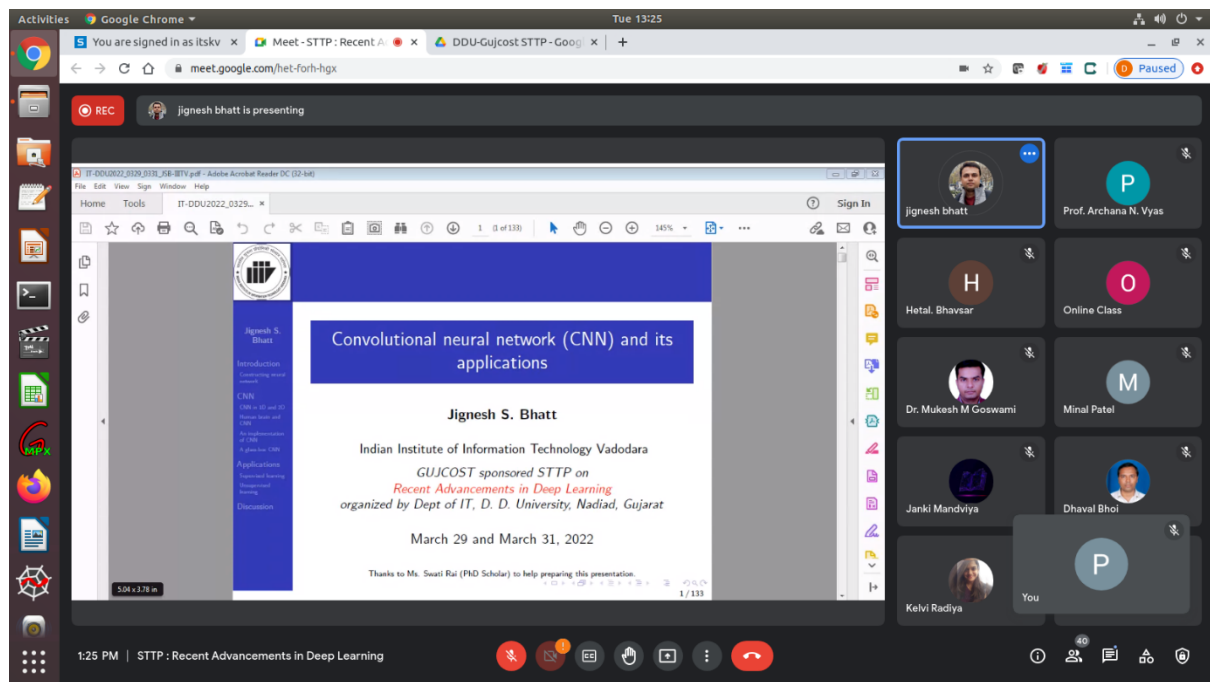


Fig. 7: Day-2 Session 2 of Dr. Jignesh Bhatt

On the second day of the STTP, Dr. Jignesh Bhatt from IIIT Vadodara led the session. He has covered the fundamentals of the Convolutional Neural Network (CNN). He has also discussed CNN's numerous applications.

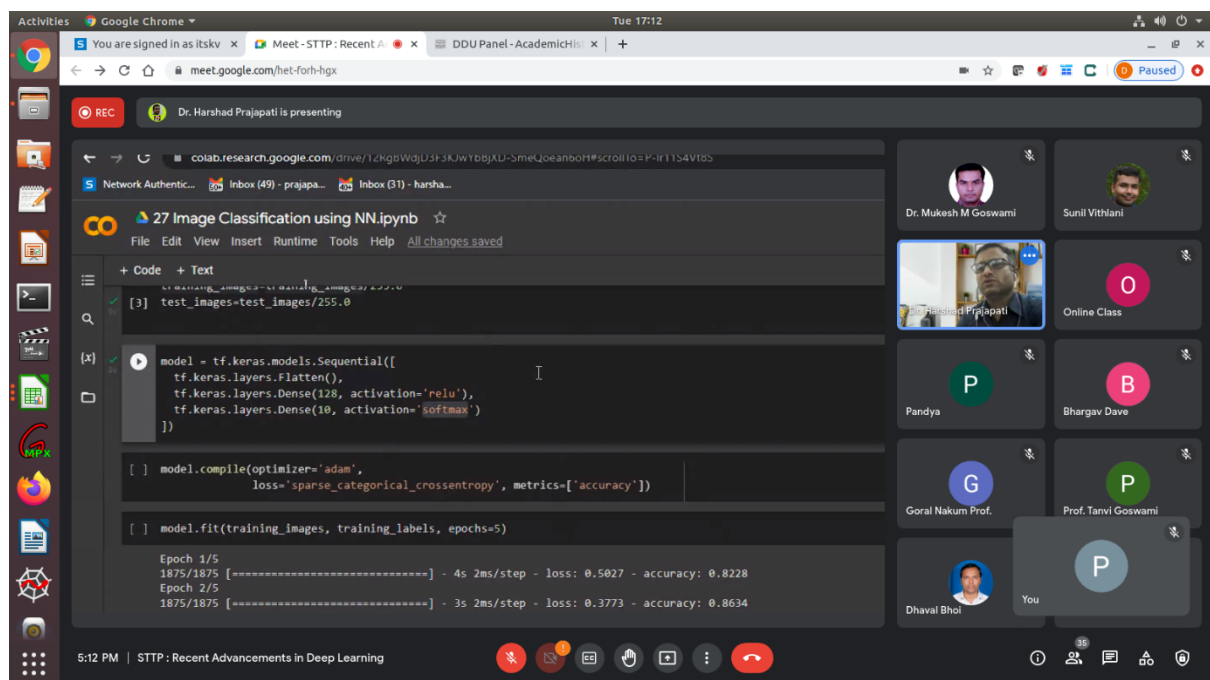


Fig. 8: Day-2 Session 2 of Dr. Harshad B. Prajapati



Dr. Ahlad Kumar of DAIICT, Gandhinagar, delivered the second session of the third day. He explained about the Generative Adversarial Network (GAN). He discussed the network's fundamental principles, as well as its varied applications and implementation issues.

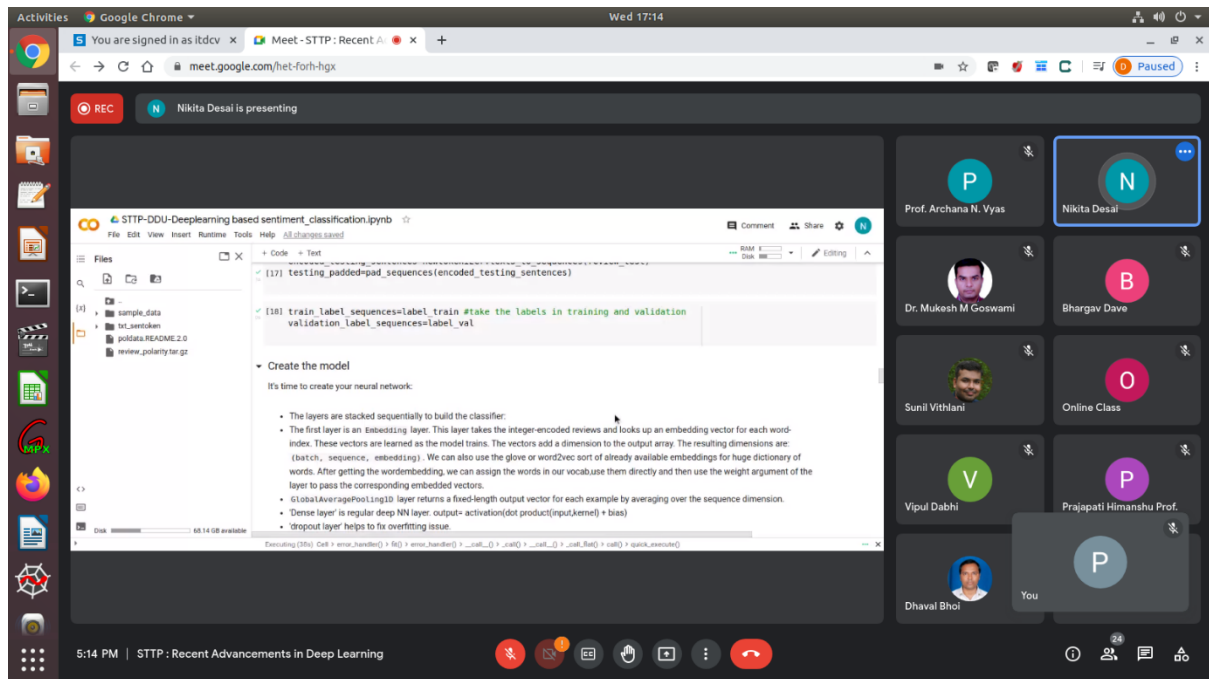


Fig. 11: Day-3 Session 3 of Prof. Nikita Desai

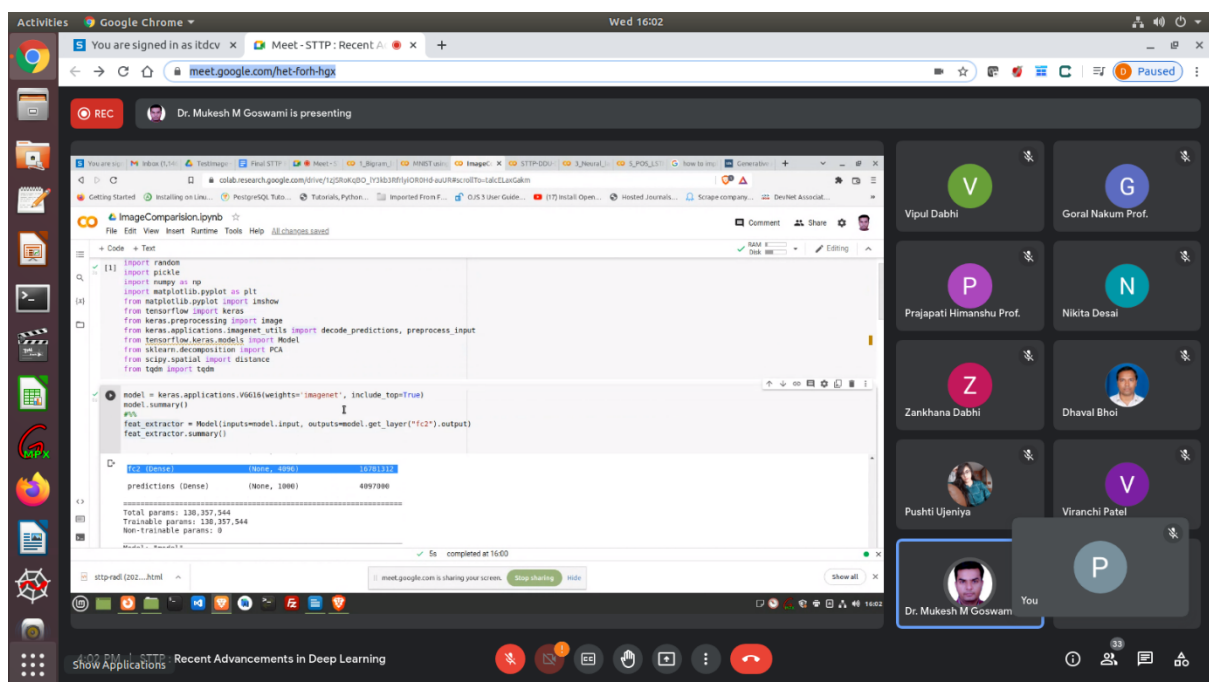


Fig. 12: Day-3 Session 3 of Dr. Mukesh M. Goswami

Prof. Nikita P. Desai and Dr. Mukesh M. Goswami had conducted the final session of the day, a practical session. Dr. Mukesh described how to use Python libraries to implement deep learning. He has described the image comparison implementation code and the identification of mismatched parts/areas from two or more photos. Prof. Nikita Desai has demonstrated deep learning implementation for NLP.



## Day 4: - 31/03/2022

**Case study-4: Hyperspectral image superresolution<sup>7</sup>**

**Results:**

Measure	Ideal	Algorithm				
		Bicubic	SR [16]	SC [17]	A+ [4]	proposed
RMSE	0	0.0351	0.0315	0.0314	0.0312	<b>0.0301</b>
MPSNR	∞	29.0781	30.0182	30.0572	30.0530	<b>31.5491</b>
MSSIM	1	0.8100	0.8336	0.8461	0.8466	<b>0.8586</b>
SAM	0	0.0816	0.0811	0.0748	0.0768	<b>0.0696</b>
UIQI	1	0.6916	0.6771	0.7518	0.7533	<b>0.7886</b>

Figure 35: Quantitative result on real dataset.

<sup>7</sup>Jignesh Patel, M. V. Joshi, and Jignesh S. Bhatt, "A novel approach for hyperspectral image superresolution using spectral unmixing and transfer learning", IEEE International Geoscience and Remote Sensing Symposium (IGARSS), pp. 1512-1515, Hawaii, 2020.

Fig. 13: Day-4 Session 1 of Dr. Jignesh Bhatt

On the fourth day of the STTP, Dr. Jignesh Bhatt from IIIT Vadodara conducted another session on various use cases of CNN. He has also given young researchers advice on how to write a research report in the field of deep learning.

**Deep Random Forest Architecture for Brain Tumor Segmentation**

Dr. Ashish Phophalia  
Assistant Professor  
IIIT Vadodara  
Email: ashish\_p@iiitvadodara.ac.in

"Recent Advancements in Deep Learning"  
Department of Information Technology,  
Dharmsinh Desai University

March 31, 2022

Fig. 14: Day-4 Session 2 of Dr. Ashish Phophalia

Dr. Ashish Phophalia from IIIT Vadodara delivered the second session of the fourth day. He explained about Deep Random Forest and how it can be used to analyse medical images. He covered the fundamentals of deep random forests and compared them to neural networks in terms of performance.

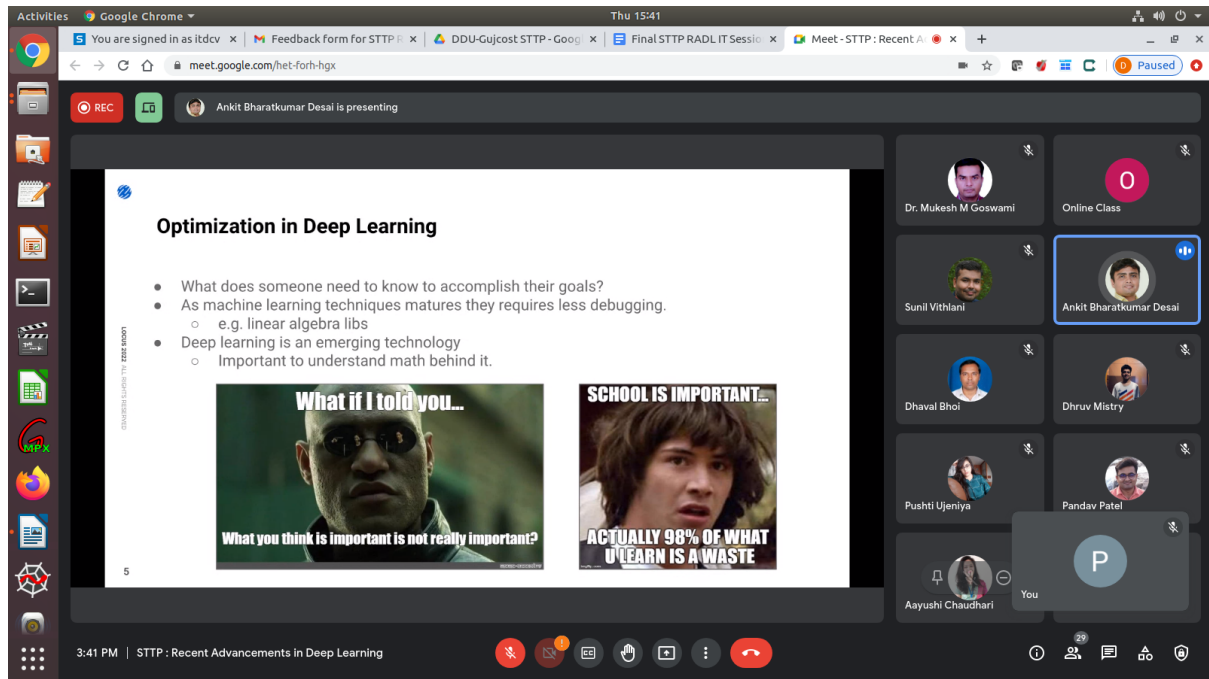


Fig. 15: Day-4 Session 3 of Dr. Ankit Desai

Dr. Ankit Desai, Director, Data Scientist of Locus.sh, Bangalore, led the third session on day four. He explained various techniques for tuning and optimization of deep learning models.

### Day 5: - 01/04/2022

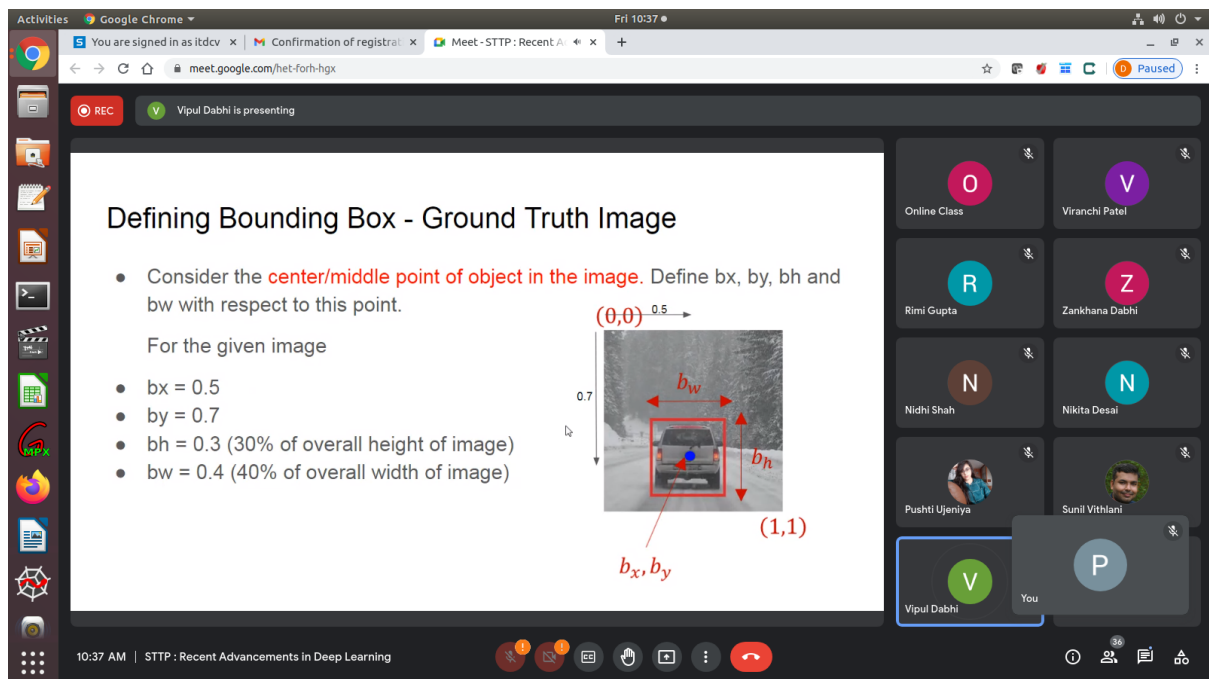


Fig. 16: Day-5 Session 1 of Dr. Vipul Dabhi

Dr. Vipul Dabi from Dharmsinh University, Nadiad had conducted the first session on the fifth day. He had provided an in-depth understanding of the R-CNN, Fast R-CNN, and Faster R-CNN models. He had discussed various challenges in the implementation of these models and their solutions.

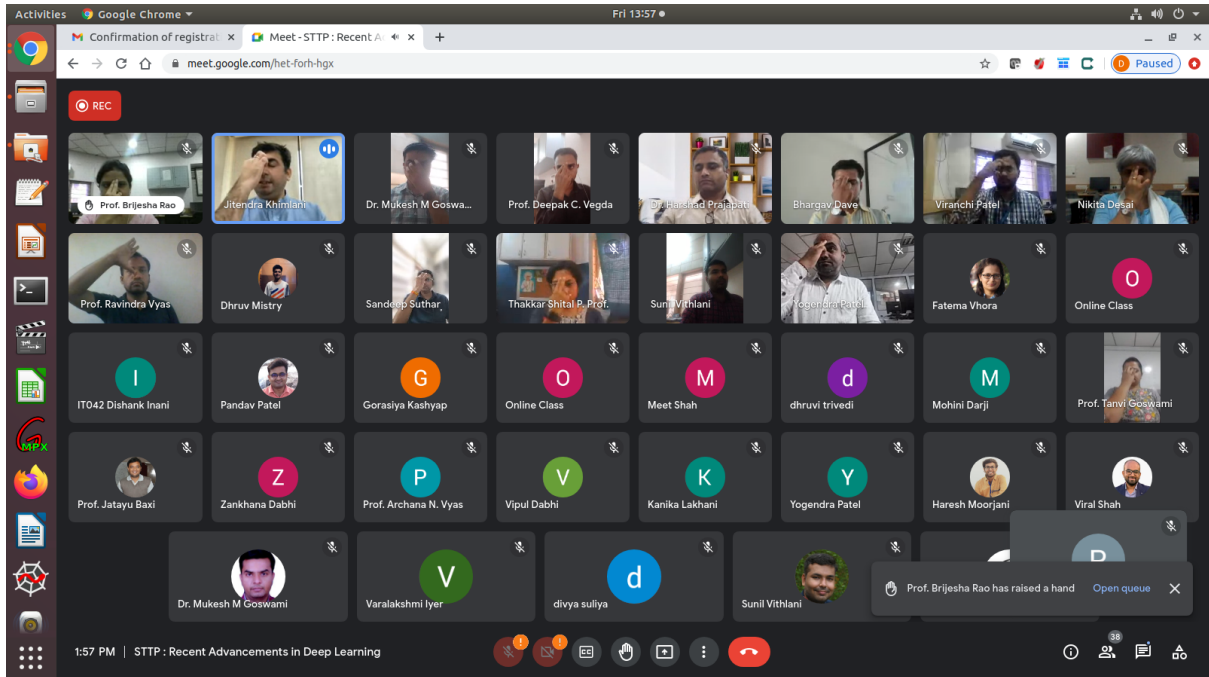


Fig. 17: Day-5 Session 2 of Jitendra Khimlani

Mr. Jitendra Khimlani delivered the second session on the fifth day. He has enlightened us by describing the value of meditation in our daily lives. All of the attendees also participated in a live meditation session led by Mr. Jitendra Khimlani.

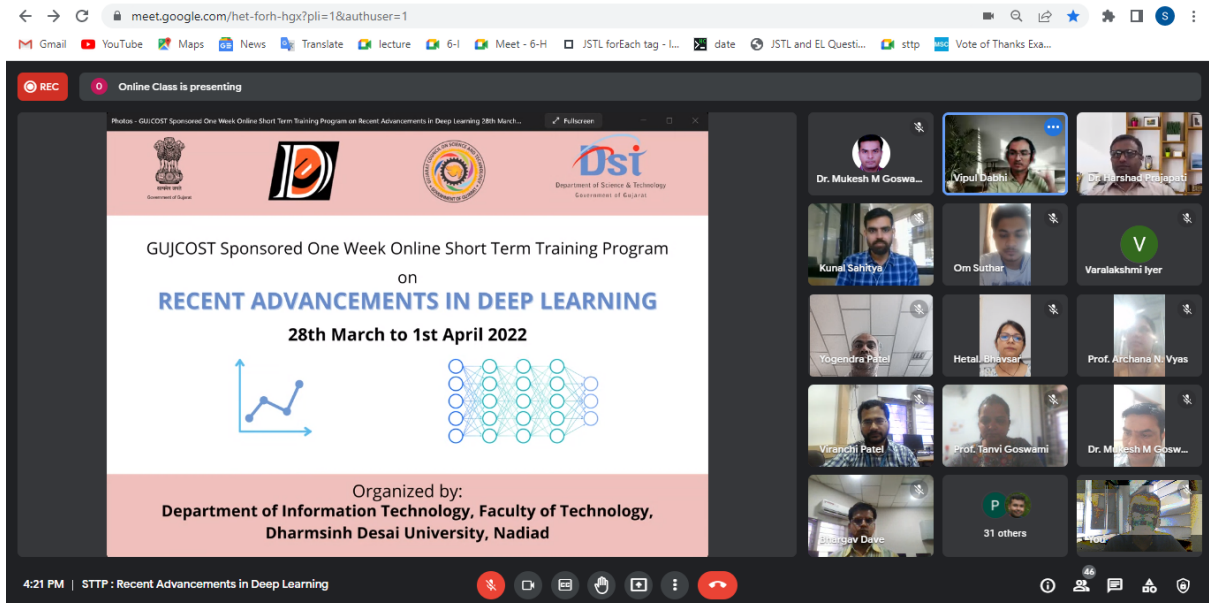


Fig. 18: Day-5 Session 3 of valedictory

On the fifth day, Dr. Harshad Prajapati opened the valedictory session, and various participants expressed their gratitude for such an informative STTP.



**One Week Online Short-Term Training Program (STTP)**  
**on**  
**Recent Advancements in Deep Learning**  
**From 28 March to 1 April 2022**

**Schedule, Sessions, and Experts**

Day	Session-1 (10:00 to 12:00)	Session-2 (1:15 to 3:15)	Session-3 (3:30 to 5:30)
1 28 <sup>th</sup> March 2022 (Monday)	Introduction to Neural Network and Deep Learning (Dr. Sanjay Chaudhary, Ahmedabad University, Ahmedabad)	Research Trends in Deep Learning (Dr. Mehul Raval, Ahmedabad University, Ahmedabad)	Lab Session on Python, TensorFlow, and Keras using Google Co Lab (Dr. Harshad Prajapati, D D University, Nadiad)
2 29 <sup>th</sup> March 2022 (Tuesday)	Application of Deep Learning in Image and Vision (Dr. Gaurav Harit, IIT Jodhpur)	Convolutional Neural Network (CNN) (Dr. Jignesh Bhatt, IIIT Vadodara)	Lab Session on implementing CNN using TensorFlow and Keras (Dr. Harshad Prajapati & Dr. Mukesh Goswami, D D University, Nadiad)
3 30 <sup>th</sup> March 2022 (Wednesday)	Application of Deep Learning in Natural Language Processing (Dr. Sandeep Modha, LDRP Gandhinagar)	Introduction to Generative Adversarial Network (Dr. Ahlad Kumar, DAIICT, Gandhinagar)	Lab Session on Image Vision and NLP Applications (Prof. N. P. Desai & Dr. Mukesh Goswami, D D University, Nadiad)
4 31 <sup>st</sup> March 2022 (Thursday)	Application of CNN to Image Processing and Analysis (Dr. Jignesh Bhatt, IIIT Vadodara)	Deep Random Forest and its Application in Medical Image Analysis (Dr. Ashish Phophalia, IIIT, Vadodara)	Tuning and Optimization of Model (Dr. Ankit Desai, Director Data Scientist, Locus.sh, Bangalore)
5 1 <sup>st</sup> April 2022 (Friday)	Faster R-CNN and its application in Object Detection (Dr. Vipul Dabhi, D D University, Nadiad)	Stress Management and Meditation (Jitendra Khimlani, Motivational Speaker and Life Transformation Coach)	Assessment, Feedback, and Valedictory

Organized by  
Department of Information Technology  
Faculty of Technology,  
Dharmsinh Desai University (DDU)  
College Road,  
Nadiad-387001

**One Week Online Short-Term Training Program (STTP)**  
**on**  
**Recent Advancements in Deep Learning**  
**From 28 March to 1 April 2022**

**Participant Summary report**

	<b>University wise participation type</b>	<b>Count</b>
<b>1</b>	<b>DHARMSINH DESAI UNIVERSITY</b>	<b>37</b>
	Faculty	23
	PG Student	2
	Ph.D. Student	3
	UG Student	9
<b>2</b>	<b>CSPIT, CHARUSAT</b>	<b>4</b>
	Faculty	2
	Ph.D. Student	2
<b>3</b>	<b>Devang Patel Institute of Advance Technology and Research (DEPSTAR), CHARUSAT</b>	<b>2</b>
	Faculty	2
<b>4</b>	<b>M S University of Baroda</b>	<b>2</b>
	Faculty	2
<b>5</b>	<b>Marwadi University</b>	<b>1</b>
	Faculty	1
<b>6</b>	<b>Parul University</b>	<b>1</b>
	Ph.D. Student	1
<b>7</b>	<b>RK University</b>	<b>2</b>
	Faculty	2
<b>8</b>	<b>Svit,vasad</b>	<b>2</b>
	Faculty	2
	<b>Grand Total</b>	<b>51</b>

	<b>University of participant</b>	<b>Count</b>
1	DHARMSINH DESAI UNIVERSITY	37
2	CSPIT, CHARUSAT	4
3	Devang Patel Institute of Advance Technology and Research (DEPSTAR), CHARUSAT	2
4	M S University of Baroda	2
5	Marwadi University	1
6	Parul University	1
7	RK University	2
8	Svit,vasad	2
	<b>Grand Total</b>	<b>51</b>

	<b>Participation type</b>	<b>Count</b>
1	Faculty	34
2	PG Student	2
3	Ph.D. Student	6
4	UG Student	9
	<b>Grand Total</b>	<b>51</b>

	<b>Department of participant</b>	<b>Count</b>
1	CE	12
2	CSE	5
3	EC	6
4	IT	27
5	MCA	1
	<b>Grand Total</b>	<b>51</b>

	<b>Gender of participant</b>	<b>Count</b>
1	Female	25
2	Male	26
	<b>Grand Total</b>	<b>51</b>



## LIST OF PARTICIPANTS

Sr No.	Participant's Name	Name of Affiliating Institute/Company
1	AAYUSHI PUSHPAKANT CHAUDHARI	Charotar University of Science and Technology
2	ANANDKUMAR D. DAVE	DHARMSINH DESAI UNIVERSITY
3	ARCHANA N VYAS	DHARMSINH DESAI UNIVERSITY
4	BHARGAV DEVEN DAVE	DHARMSINH DESAI UNIVERSITY
5	BHUMI P MAKWANA	DHARMSINH DESAI UNIVERSITY
6	BRIJESHA D. RAO	DHARMSINH DESAI UNIVERSITY
7	DEEPAK C VEGDA	DHARMSINH DESAI UNIVERSITY
8	DHAVAL BHOI	CSPIT, CHARUSAT
9	DHRUTI MANISHKUMAR PATEL	Dharmsinh Desai University
10	DHRUV MISTRY	DHARMSINH DESAI UNIVERSITY
11	DHRUVI BHARATBHAI TRIVEDI	CSPIT, CHARUSAT
12	DISHANK KAMLESHBHAI INANI	Dharmsinh Desai University
13	DIVYA RAMESHBHAI SULIYA	RK University
14	DIVYAM SANDIPKUMAR MISTRY	DHARMSINH DESAI UNIVERSITY
15	DR KANIKA LAKHANI	M S University of Baroda
16	DR. HETAL BHAVSAR	The M. S. University of Baroda, Vadodara
17	DR. MINAL PATEL	Devang Patel Institute of Advance Technology and Research (DEPSTAR), CHARUSAT
18	DR. MUKESHGIRI M GOSWAMI	DHARMSINH DESAI UNIVERSITY
19	FATEMA VHORA	DHARMSINH DESAI UNIVERSITY
20	GORAL J NAKUM	DHARMSINH DESAI UNIVERSITY
21	HARSHADKUMAR B PRAJAPATI	DHARMSINH DESAI UNIVERSITY
22	HIMANSHUKUMAR UMESHBHAI PRAJAPATI	DHARMSINH DESAI UNIVERSITY
23	JATAYU H. BAXI	DHARMSINH DESAI UNIVERSITY
24	KASHYAP K. GORASIYA	DHARMSINH DESAI UNIVERSITY
25	KELVI R RADIYA	DHARMSINH DESAI UNIVERSITY
26	KUNAL JAWAHARBHAI SAHITYA	DHARMSINH DESAI UNIVERSITY
27	MADHURI PRITESH TRATIYA	RK University
28	MANALI MODI	Parul University
29	MANDVIYA JANKI VIPULBHAI	DHARMSINH DESAI UNIVERSITY
30	MOHINI DARJI	Devang Patel Institute Advance Technology and Research
31	MS. NIDHI B SHAH	SVIT, Vasad
32	NIKITA PARITOSH DESAI	DHARMSINH DESAI UNIVERSITY
33	OM RAKESHKUMAR SUTHAR	DHARMSINH DESAI UNIVERSITY

34	PANDAVKUMAR KANUBHAI PATEL	DHARMSINH DESAI UNIVERSITY
35	PANDYA HARIOM ASHOKKUMAR	DHARMSINH DESAI UNIVERSITY
36	PATEL VIRANCHIKUMAR NIRANJANKUMAR	DHARMSINH DESAI UNIVERSITY
37	RAVIKUMAR R N	Marwadi University
38	RIMI GUPTA	Svit,vasad
39	SANDEEP RAMESHBHAI SUTHAR	DHARMSINH DESAI UNIVERSITY
40	SHAH MEET ATULBHAI	Dharmsinh desai institute of technology
41	SHITAL PRAMOD THAKKAR	DHARMSINH DESAI UNIVERSITY
42	SRUSHTI R. GAJJAR	CSPIT, CHARUSAT
43	SUNIL K. VITHLANI	DHARMSINH DESAI UNIVERSITY
44	TANVI GOSWAMI	DHARMSINH DESAI UNIVERSITY
45	UJENIYA PUSHTI BHARATBHAI	DHARMSINH DESAI UNIVERSITY
46	VARALAKSHMI IYER	DHARMSINH DESAI UNIVERSITY
47	VIPUL K DABHI	DHARMSINH DESAI UNIVERSITY
48	VIRAL H SHAH	DHARMSINH DESAI UNIVERSITY
49	VYAS RAVINDRA ANILKUMAR	DHARMSINH DESAI UNIVERSITY
50	YOGENDRA LAXMINARAYAN PATEL	DHARMSINH DESAI UNIVERSITY
51	ZANKHANA VIPUL DABHI	DHARMSINH DESAI UNIVERSITY

## CERTIFICATE



# CERTIFICATE — OF PARTICIPATION —

This is to certify that Mr./Ms. Sandeep Rameshbhai Suthar  
attended GUJCOST Sponsored One Week Online Short Term Training  
Program on "Recent Advancements in Deep Learning" held during  
28.03.2022 to 01.04.2022 Organized by Department of Information  
Technology, D. D. University, Nadiad, Gujarat.

**Prof. (Dr.) M. M. Goswami**  
Associate Professor  
Coordinator, Dept. of IT

**Prof. (Dr.) H. B. Prajapati**  
Associate Professor  
Coordinator, Dept. of IT

**Prof. (Dr.) V. K. Dabhi**  
Head & Professor  
Dept. of IT



# "MEDICAL JURISPRUDENCE"

23/11/2022  
ONWARDS

## SPEAKER

### DR. RAJENDRA KHARADI

(Assistant Professor Forensic  
Medicine, Dr. N D Desai Faculty of  
Medical Science & Research, DDU,  
Nadiad)

Dr. Hiren Patel (Dean)

Dr. Hitesh Dewan  
(CDE Convenor)

Dr. Vinit B Patel  
(HOD & Reader)

Co-ordinators: Dr. Deesha Chhaya  
& Dr. Harita Shah



## ABOUT SPEAKER

Dr. Rajendra Kharadi completed his MBBS in 2010 from M.P. Shah govt. medical college, Jamnagar.

He worked as Tutor in Biochemistry Dept from 2010 to 2013 Gujarat Medical Education & Research, Patan.

He joined M.D. in Forensic Medicine in 2016 in M.P. Shah Govt. Medical college Jamnagar.

Currently he is a part of various researches being carried out at Dr. ND Desai Faculty of Medical Science & Research, DDU Nadiad.

**VENUE: "Auditorium: FODS, DDU"**



# DHARMSINH DESAI UNIVERSITY

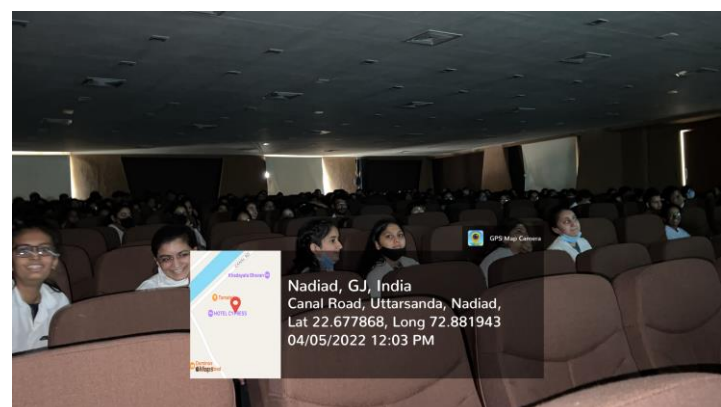
## FACULTY OF DENTAL SCIENCE

(Recognized by the Dental Council of India, New Delhi)

College Road, Nadiad - 387001. Website: [www.ddu.ac.in](http://www.ddu.ac.in)

Mobile: 98247 27077 Ph: 0268- 2527077, 2522994, Email: [ddudental@gmail.com](mailto:ddudental@gmail.com)

A lecture on Mental and physical health awareness was held on 5<sup>th</sup> April 2022 at Faculty of Dental Science. Dr. Krushna Pathak gave informative speech to the students regarding every aspects, which can affect one's health. He also elaborated the care one should take to improve his/her mental health. The session was informative for all the students of Faculty of Dental Science, DDU, Nadiad.





# "MICROSURGERY IN PERIODONTICS"



08/12/2021

WEDNESDAY

10 AM

## Speaker



### Dr. NYMPHEA PANDIT

(Professor & HOD of  
Periodontology)

D.A.V. Dental College &  
Hospital, Yamunanagar)

Dr Hiren Patel (Dean)

Dr Hitesh Dewan

(CDE Convenor)

Dr Vasumati Patel

(Professor & HOD)

## About Speaker

Dr. Nympha Pandit, a 1993 graduate from S.C.B Medical College Cuttack completed her M.D.S. in Periodontics (1998) from Government Dental College Ahmedabad. She is the Immediate Past President of Indian Society of Periodontology. She is in the Editorial Board of the Journal of Indian Society of Periodontology and many other National Journals. She has been at different posts in the IDA Yamunanagar Branch including President in year 2012.





# DHARMSINH DESAI UNIVERSITY

## FACULTY OF DENTAL SCIENCE

(Recognized by the Dental Council of India, New Delhi)

College Road, Nadiad - 387001. Website: [www.ddu.ac.in](http://www.ddu.ac.in)

Mobile: 98247 27077 Ph: 0268- 2527077, 2522994, Email: [ddudental@gmail.com](mailto:ddudental@gmail.com)

Lecture about awareness on nutrition and oral hygiene was conducted on 10/03/2022 at KumarShala , Uttarsanda which included a two way communication between school students for the same. There were 10 highly curious students who participated in this event. This event shared the importance of oral hygiene and routine oral health care in our day to day life and about the importance and awareness of nutrition in growing children. They were addressed about importance's nutrition in overall growth, advantages of taking breakfast, harmful effects of junk foods and soft drinks. This event was supervised by Dr. Harita Shah and Dr. Jinal Patel.

Number of Beneficiaries: **118**



**Lecture on Nutrition & Oral Hygiene at Kumarshala , Uttarsanda**



**Dental Check Up done by students of Public Health Dentistry Dept , FDS, DDU**



**Teaching Brushing Method to children of Kumarshala, Uttarsanda**



**Dental Check Up done by students of Public Health Dentistry Dept , FDS, DDU**



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Faculty of Dental Sciences, DDU organized Soft skills enhancement program for all the students and staff. Dr. Rakesh Makwana conducted a lecture on Yoga on 14<sup>th</sup> March, 2022 and followed by practical session on 15<sup>th</sup> March, 2022 in which students and staff enthusiastically participated. Whole event was supervised by Dr. Jinal Patel and Dr. Harita Shah. Whole event was about making students aware of importance of Yoga and meditation. Around 100 students of Faculty of Dental Science, DDU were benefited by this event.



**Day 1- Lecture about Importance of Yoga at Faculty of Dental Science . DDU, Nadiad**



**Day 1- Lecture about Importance of Yoga at Faculty of Dental Science , DDU, Nadiad**



**Day 2- Practical Session on Yoga Practice at Faculty of Dental Science , DDU, Nadiad**



**Day 2- Practical Session on Yoga Practice at Faculty of Dental Science , DDU, Nadiad**





Dharmsinh Desai University

DEPARTMENT OF ORAL & MAXILLOFACIAL PATHOLOGY

Faculty of Dental Science, DDU, Nadiad

CDE WEBINAR

# "TOBACCO CESSATION: CURRENT SCENARIO"



SAY NO TO  
TOBACCO  
&  
YES to Life



Speaker

18/12/2021

SATURDAY

10 AM

About  
Speaker



**DR NISHIT SONI**  
(PRIVATE  
PRACTITIONER)

Dr Hiren Patel (Dean)

Dr Hitesh Dewan  
(CDE Convenor)

Dr Bhupesh Patel  
(HOD & Professor)

Dr. Nishit Soni began his career in dentistry at the GDCH, Ahmedabad, graduating in 2003. He completed MDS in Oral Pathology from same institute in 2006. He began his academic carrier in oral pathology at K M Shah Dental College & Hospital in 2006. He has several scientific presentations and publications to his credit in both National & International journals. He has actively participated in various workshops, symposiums, conferences organized throughout the country. After 9 years of academic teaching he has been practicing full time at his private clinic in Ahmedabad.

Co-ordinator: Dr Himani Tiwari

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