

# Resonance@GDEC

## Entrepreneurship Development Program (Module-II)



Program was organized by Entrepreneurship Development Cell, GIDC Degree Engineering College, Abrama, Navsari and it was sponsored by The Center for Entrepreneurship Development, Gandhinagar

### Duration:

26<sup>th</sup> February-11th March, 2020

### Conveners:

- 1) Prof. Harshal G. Vashi, Assistant Professor & ED Cell In-charge
- 2) Dr. Bhavin G. Patel, Associate Professor & Head, Civil Engg. Department

### Coordinators:

- 1) Prof. Nilesh R. Parmar, Assistant Professor, Civil Engg. Department
- 2) Prof. Pritesh R. Rathod, Assistant Professor, Civil Engg. Department
- 3) Prof. Rajan J. Lad, Assistant Professor, Civil Engg. Department
- 4) Prof. Hemina Z. Patel, Assistant Professor, Civil Engg. Department

No. of participants: 30 final year students of Civil Engineering

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- STTP and Workshop
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- Publication, Participation & Achievement

## GDEC Team

**Prof. Dr. Neeraj. D. Sharma,**  
Principal

**Prof. Dr. Hiralal S. Patil,**  
Head, Mechanical Engg. Dept.

**Prof. Dr. Shailesh. S. Patel,**  
Head, Applied Sci. & Huma. Dept.

**Prof. Dr. Rakesh. J. Motiyani,**  
Head, Electrical Engg. Dept.

**Prof. Dr. Bhavin G. Patel,**  
Head, Civil Engg. Dept.

**Prof. Archana Nayak,**  
Head, Computer Engg. Dept.

**Prof. Toral Patel,**  
Head, Automobile Engg. Dept.

## Editorial Team

- Prof. Archana M. Nayak
- Prof. Bhumika H. Patel
- Prof. Kushal D. Patel
- Mr. Nilesh G. Patel

## Provided opportunity for e-learning (Coursera for Campus)

Prof. Harshal G. Vashi has completed "Coursera Administrator Training" and created opportunity of e-learning for all GDEC staff members and till date 60 no. of GDEC members have enrolled and 22 no. of course using Coursera for Campus have been completed.

## Principal Message

Hello Everyone !!! Greetings....

All of us are aware of prevailing conditions of world and India is also not excluded from that. People are living under the scared shadow with many pre occupied fears in their minds and heart. Almost all are not able to focus on work and roles.

In this critical situation it is very much necessary to regain the confidence in our own to work with our original passion. Though in reality it is difficult to achieve this along with such tensed and pressurized mindset but my message to all that we are from that part of earth who have not even lost patience, hope for numbers of decades and got committed for the achievement of goal and today again its essential for we all to get committed for our responsibilities, work despite of unfavourable circumstances. Our commitment will defeat all difficulties in coming time.

My message to academic fraternity that we are the career builder of students and its high time to prove ourselves as one of the essential stakeholder of society as well as motivator for society. Students are required to be strong to tackle such type of conditions in life, its one sort of training for all of you, every time in life you will not get face to face mentors and you would be required to find prompt solution for your life and career ...accept challenges and find the paths.

Demanded of this critical time is to handle the situation with patience, confidence and broad thinking. I wish safest and healthy time for all of you and best utilization of this critical time for your knowledge enrichment.

*Dr. Neeraj D. Sharma*

## Dynamic Management

| Name of the Member  | Designation in the GES | Current Position/Organization   |
|---|------------------------|---|
| Shri M. Thennarasan, IAS                                  | Chairperson            | Hon. Vice Chairman & Managing Director, GIDC, Gandhinagar   |
| Shri B. C. Warli (B.E Civil)                              | Member Secretary       | I/c. Director (Notified Area), I/c. Chief Engineer & Superintending Engineer (Public Health) & I/c. Superintending Engineer (Project) GIDC, Gandhinagar |
| Shri N. P. Vadalia (B.E Civil)                            | Member                 | I/c. Superintending Engineer-Surat, Executive Engineer-Surat  |
| Dr. V. S. Purani (M.E Civil, Ph. D.)                      | Member                 | Principal, GEC, Valsad  |
| Dr. A. K. Dave (B.E Mechanical, M.E, Ph. D.)              | Member                 | Ex. Director, SVNIT, Surat  |
| CA. V. G. Desai (M.Com, F.C.A.)                           | Member                 | Chartered Accountant, Navsari   |
| Dr. D. G. Naik (M.A, M.Ed, Ph. D.)                        | Member                 | Director, Naran Lala College Campus, Navsari  |
| Shri Mahadevbhai Desai<br>B.E Civil, LLB, MIE, MASCE(USA) | Member                 | CMD, Sthapati Designers, Navsari  |

### Thalassemia Screening and Prevention Programme Held on dated 21/01/2020

The GIDC Degree Engineering College with assistance of Red Cross society Ahmedabad branch organized thalassemia screening and prevention programme in the college premises on 21/01/2020. About 47 first years admitted students from all branches were participated in thalassemia screening and prevention programme and understand the meaning of testing Thalassemia and its advantages for coming generation. The Principal Dr. N. D. Sharma acknowledged the organizing team of the camp. The camp was organized by Prof. Dr. H.S. Patil, with a team of Dr. D.C. Patel, Prof. Hitesh C. Rana, Prof. Bharat H. Gajera, Prof. Akash A. Patel, Prof. Dharmik A. Patel, Mr. Hitesh Patel, Mr. Brijesh Patel, Mr. Divyesh Patel and Ms. Amruta Naik. The GDEC teaching and supporting staff played a key role in successful organization of the camp. This camp helped students in getting awareness about their social responsibilities and showed enthusiastic participation for the same.



## STTP on “Creativity and innovation in infrastructural Design through Professional software”

Civil engineering department organized A state level short term training Programme on “Creativity and innovation in infrastructural Design through Professional software”

**Duration:**

05th March to 11th March, 2020

**Patron:**

Dr. Neeraj D. Sharma Principal, GIDC Degree Engineering College

**Conveners:**

Dr. Bhavin G. Patel, Associate Professor & Head, Civil Engg. Department

**Co-ordinators:**

Prof. Vikunj Tilva, Assistant Professor, Civil Engg. Department

Prof. Nilesh Parmar, Assistant Professor, Civil Engg. Department

Prof. Sunil Jaganiya, Assistant Professor, Civil Engg. Department

Prof. Pritesh R. Rathod, Assistant Professor, Civil Engg. Department

**Co-coordinator:**

Prof. Krutika chauhan, Assistant Professor, Civil Engg. Department

Prof. Jaldip Patel, Assistant Professor, Civil Engg. Department

No. of participants: 39 Pre-final year students of Civil Engineering

### Video Uploaded on GTU Portal for e-learning

| Sr. No. | Faculty Name             | Semester | Subject   | No. of Lectures | Department            |
|---------|--------------------------|----------|---|-----------------|-----------------------|
| 1.      | Prof. Hariketan B. Patel | 6        | CAD   | 5               | Mechanical Department |
|         |                          | 2        | BME   | 7               |                       |
| 2.      | Prof. Bharat H. Gajera   | 6        | DOM   | 2               |                       |
| 3.      | Prof. Hitesh C. Rana     | 2        | BME   | 15              |                       |
| 4.      | Prof. Bruhad S Naik      | 4        | FMHM  | 2               |                       |
| 5.      | Prof. Harsh R. Naik      | 4        | MP  | 4               |                       |
|         |                          | 6        | PT  | 4               |                       |
|         |                          | 6        | IE  | 6               |                       |
| 6.      | Prof. Dharmik A. Patel   | 6        | RAC   | 3               |                       |
|         |                          | 2        | EGD   | 17              |                       |
| 7.      | Krunal Hathiwala         | 4        | FM/HM   | 1               |                       |
| 8.      | Prof. Harshal G. Vashi   | All      | a. National Income, Monetary & Fiscal Policy, Banking;<br>b. Inflation;<br>c. Attitude and Job Satisfaction;<br>d. Leadership; and two video lectures on<br>e. Basics of Intellectual Property Rights | 6               | ASH Department        |
| 9.      | Prof. Kaushik S. Patel   | 8        | SQLite Part-1   | 1               | Computer Department   |
|         |                          |          | SQLite Part-2   | 1               |                       |
| 10.     | Prof. Mihir A. Mishra    | 4        | OOP-1   | 1               | Computer Department   |
| 10.     | Prof. Hetal M . Patel    | 6        | OS  |                 | Computer Department   |
| 10.     | Dr. Bhavin G. Patel      |          |   |                 | Civil Department      |

**Participation in Webinar/Online Course/Workshop attended**

| Faculty Name                                  | Topic/ Course Name  | Duration | Organizer Name   |
|---|---|----------|--|
| <b>Computer Engineering Department</b>        |   |          |  |
| Prof. Archana Nayak                           | Automotive Embedded Systems   | 1 Day    | Amity School of Engineering and Technology (ASET), Amity University Madhya Pradesh (AUMP), Gwalior |
| Prof. Archana Nayak                           | INTELLECTUAL PROPERTY FOR NEW INDIA   | 1 Day    | Gujarat Technological University, Ahmedabad, Gujarat   |
| Prof. Archana Nayak                           | Integration of game applications in Classroom Teaching                              | 1 Day    | IT Department ,BVM Engineering College, Vidyanagar, Gujarat  |
| Prof. Archana Nayak                           | WRITING A RESEARCH GRANT PROPOSAL (WARGP-2020)                                      | 1 Day    | College of Computing Sciences & IT, Teerthanker Mahaveer University, Moradabad                     |
| Prof. Archana Nayak                           | Wireless Networks and the ns-3 Network Simulator                                    | 1 Day    | Ganpat University, Ahemdabad   |
| Prof. Kaushik S. Patel                        | INTELLECTUAL PROPERTY FOR NEW INDIA   | 1 Day    | Gujarat Technological University, Ahmedabad, Gujarat   |
| Prof. Kaushik S. Patel, Prof. Mihir A. Mishra | Future Trends In AI   | 1 Day    | Gujarat Technological University, Ahmedabad, Gujarat   |
| Prof. Kaushik S. Patel, Prof. Mihir A. Mishra | Relavance of Ancient Indian Technology in Modern Era                                | 1 Day    | Gujarat Technological University, Ahmedabad, Gujarat   |
| Prof. Kaushik S. Patel                        | Skill Deelopment pportunities in obotics  | 1 Day    | Gujarat Technological University, Ahmedabad, Gujarat   |
| Prof. Kaushik S. Patel                        | Digital Transformation Fundamentals   | 1 Day    | Gujarat Technological University, Ahmedabad, Gujarat   |
| Prof. Kaushik S. Patel                        | AI for Everyone   | 1 Day    | R. N. G. Patel Institute of Technology - RONGPIT   |
| Prof. Kaushik S. Patel                        | Azure Devps   | 1 Day    | R. N. G. Patel Institute of Technology - RONGPIT   |
| Prof. Kaushik S. Patel                        | Java with IDE   | 1 Day    | R. N. G. Patel Institute of Technology - RONGPIT   |
| Prof. Kaushik S. Patel                        | Case Studies on Challenges Faced in IT Projects and its Solutions                   | 1 Day    | R. N. G. Patel Institute of Technology – RONGPIT   |
| Prof. Kaushik S. Patel                        | Powerful Multimedia Tools to Make Classroom Teaching Effective                      | 1 Day    | S . S. Agrawal Institute of Engineering & Technology, Navsari                                      |
| Prof. Hetal Patel                             | Intellectual Property For New India on 13th Foundation Day of GTU                   |          | GTU  |
| Prof. Hetal Patel                             | AI for Everyone   |          | R. N. G. Patel Institute of Technology-RONGPIT Bardoli   |
| Prof. Hetal Patel                             | Azure DevOps  |          | R. N. G. Patel Institute of Technology-RONGPIT Bardoli   |
| Prof. Hetal Patel                             | Block Chain Technology  |          | R. N. G. Patel Institute of Technology-RONGPIT Bardoli   |
| Prof. Hetal Patel                             | Case Studies on Challenges Faced in IT Projects and its Solutions                   |          | R. N. G. Patel Institute of Technology-RONGPIT Bardoli   |
| Prof. Hetal Patel                             | IOT and Big Data Analytics  |          | R. N. G. Patel Institute of Technology-RONGPIT Bardoli   |
| Prof. Hetal Patel                             | Java with IDE   |          | R. N. G. Patel Institute of Technology-RONGPIT Bardoli   |
| Prof. Hetal Patel                             | JDBC in Java  |          | R. N. G. Patel Institute of Technology-RONGPIT Bardoli   |
| Prof. Hetal Patel                             | Machine Learning with Python  |          | R. N. G. Patel Institute of Technology-RONGPIT Bardoli   |
| Prof. Hetal Patel                             | Role of Cyber Security Experts for Law Enforcement Agency and Social Media Security |          | R. N. G. Patel Institute of Technology-RONGPIT Bardoli   |
| Prof. Bhumika H. Patel                        | SUSTAINABILITY POST COVID- 19   | 1 Day    | CHARUSAT and CEE   |

| Faculty Name   | Topic/ Course Name  | Duration | Organizer Name  |
|--|---|----------|---|
| Prof. Bhumika H. Patel,<br>Prof. Mihir A. Mishra,<br>Prof. Kushal D. Patel | जए भारत के लए बौद्धक संपदा - Intellectual Property For New India                    | 1 Day    | GTU   |
| Prof. Bhumika H. Patel   | Innovative Project Development  | 1 Day    | Computer Science & Engineering Dept. of R. N. G. Patel Institute of Technology – RNGPIT         |
| Prof. Bhumika H. Patel   | Essential Skills for Jobs in a Post-COVID19 World                                   | 1 Day    | TATA TPSDI-Virtual Academy of Skills  |
| Prof. Bhumika H. Patel   | Powerful Multimedia Tools to Make Classroom Teaching Effective                      | 1 Day    | Applied Science and Humanities Dept. of S.S.Agrawal Institute of Engineering & Technology       |
| Prof. Bhumika H. Patel   | Mathematics in Real Life  | 1 Day    | ASH department of GIDC Degree Engineering College   |
| Prof. Bhumika H. Patel   | Machine Learning with Python  | 1 Day    | Computer Science & Engineering Dept. of R. N. G. Patel Institute of Technology – RNGPIT         |
| Prof. Bhumika H. Patel   | Basics of Machine Learning and its industrial importance                            | 1 Day    | Computer department of GIDC Degree Engineering College  |
| Prof. Bhumika H. Patel   | IOT and Big Data Analytics  | 1 Day    | Computer Science & Engineering Dept. of R. N. G. Patel Institute of Technology – RNGPIT         |
| Prof. Bhumika H. Patel   | Role of Cyber Security Experts for Law Enforcement Agency and Social Media Security | 1 Day    | Computer Science & Engineering Dept. of R. N. G. Patel Institute of Technology – RNGPIT         |
| Prof. Bhumika H. Patel   | Low-cost AWS Cloud Service to start your Application Development                    | 1 Day    | Computer Science & Engineering Dept. of R. N. G. Patel Institute of Technology – RNGPIT         |
| Prof. Bhumika H. Patel   | JDBC in Java  | 1 Day    | Computer Science & Engineering Dept. of R. N. G. Patel Institute of Technology – RNGPIT         |
| Prof. Bhumika H. Patel   | Java with IDE   | 1 Day    | Computer Science & Engineering Dept. of R. N. G. Patel Institute of Technology – RNGPIT         |
| Prof. Bhumika H. Patel   | AI for Everyone   | 1 Day    | Computer Science & Engineering Dept. of R. N. G. Patel Institute of Technology – RNGPIT         |
| Prof. Bhumika H. Patel   | Azure DevOps  | 1 Day    | Computer Science & Engineering Dept. of R. N. G. Patel Institute of Technology – RNGPIT         |
| Prof. Mihir A. Mishra  | NBA Accreditation   | 1 Day    | GTU   |
| Prof. Mihir A. Mishra  | Understanding the Fundamentals of Machine Learning                                  | 1 Day    | S. S. Agrawal Institute of Engineering and Technology   |
| Prof. Mihir A. Mishra  | Python Programming  | 1 Day    | S. S. Agrawal Institute of Engineering and Technology   |
| Prof. Mihir A. Mishra  | CLOUD COMPUTING AND ONLINE EDUCATIONAL TOOLS  | 1 Day    | Department of Computer Science, M.K.Bhavnagar University  |
| Prof. Mihir A. Mishra  | python 3.4.3  | -        | Shri Ramkrishna Mission Vidhyalaya with course material provided by Spoken Tutorial, IIT Bombay |
| Prof. Kushal D. Patel  | Tools for working From Home – Google Apps, Trello & Zoom                            | -        | Udemy & Start- Tech Academy   |
| Prof. Kushal D. Patel  | Learn HTML for Beginners  | -        | Udemy & YouAccel Training, Instructor   |
| Prof. Kushal D. Patel  | Affiliate Marketing Master Class Step by Step Guide 2020                            | -        | Udemy   |
| Prof. Kushal D. Patel  | Introduction to Python Programming  | -        | Udemy   |

| Faculty Name          | Topic/ Course Name  | Duration | Organizer Name       |
|-----------------------|---|----------|----------------------|
| Prof. Kushal D. Patel | Nuances of Business Incubators  | 1 Day    | i-Hub, Gujarat, SSIP |
| Prof. Kushal D. Patel | Limited Resources, Unlimited Ambition   | 1 Day    | i-Hub, Gujarat, SSIP |
| Prof. Kushal D. Patel | Disruptive Innovations For startups   | 1 Day    | i-Hub, Gujarat, SSIP |
| Prof. Kushal D. Patel | Business Model Canvas   | 1 Day    | i-Hub, Gujarat, SSIP |
| Prof. Kushal D. Patel | Building The Value SaaS Way   | 1 Day    | i-Hub, Gujarat, SSIP |
| Prof. Kushal D. Patel | Challenges and Opportunities after this pandemic situation of COVID-19 through the Industrial Perspective | 1 Day    | i-Hub, Gujarat, SSIP |

### ASH Department

|   |   |        |   |
|---|---|--------|---|
| Dr. Shailesh S. Patel                         | Mentor of Assistant Professors  | 6 Days | A.I.C.T.E. and NITTTR, Bhopal   |
| Dr. Shailesh S. Patel, Prof. Harshal G. Vashi | Exam Reforms  | 4 Days | A.I.C.T.E.  |
| Prof. Harshal G. Vashi                        | Challenges and Issues with Higher Education in India  | 1 Day  | ENINE Solutions   |
| Prof. Harshal G. Vashi                        | Entrepreneurship  | -      | Coursera  |
| Prof. Harshal G. Vashi                        | Introduction to Data Analytics for Business   | -      | Coursera  |
| Prof. Harshal G. Vashi                        | नए भारत के लिए बौद्धिक संपदा - Intellectual Property for New India                                      | 1 Day  | Gujarat Technological University  |
| Prof. Harshal G. Vashi                        | Webinar Series on Research Methods  | 4 Days | Sakalchand Patel University, Visnagar   |
| Prof. Harshal G. Vashi                        | How to prepare your Manuscript  | 1 Day  | ELSEVIER Research Academy   |
| Prof. Harshal G. Vashi                        | Structuring your article correctly  | 1 Day  | ELSEVIER Research Academy   |
| Prof. Harshal G. Vashi                        | Faculty Program on NBA  | 1 Day  | Bharti Vidyapeeth College of Engineering, Navi Mumbai   |
| Prof. Harshal G. Vashi                        | Career Opportunities after B.E./M.E./MBA/B.Voc Post COVID and How to Prepare Yourself to Take Advantage | 1 Day  | Gujarat Technological University, Ahmedabad and R. N. G. Patel Institute of Technology – RNGPIT |

### Electrical Engineering Department

|                        |   |       |   |
|------------------------|---|-------|---|
| All Staff Members      | Future Trend in AI  | 1 Day | GTU Graduate School of Engineering and Technology   |
| Prof. Bhavesh S. Patel | DCS and Its Application to Power Sector                       | 1 Day | Department of Electrical(SOET) Central University of Haryana, Mahendergarh, Haryana   |
| Prof. Bhavesh S. Patel | Smart DC Microgrid Solutions for Remote Areas Electrification | 1 Day | Department of Electrical (SOET) central university of Haryana, Mahendergarh, Haryana  |
| Prof. Bhavesh S. Patel | INTELLIGENT CONTROL SYSTEMS                                   | 1 Day | Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bangalore, in Association with IEEE NHCE Student Branch |
| Prof. Bhavesh S. Patel | Remote Sensing Techniques In Engineering                      | 1 Day | Community Innovation & Co-Creation Centre GTU Ahmedabad   |
| Prof. Bhavesh S. Patel | Power of Professional and Volunteering                        | 1 Day | Department of Electrical (SOET) Central university of Haryana, Mahendergarh, India  |
| Prof. Bhavesh S. Patel | Higher education Post COVID-19                                | 1 Day | Rungta (R1) Group of Institutions   |



| Faculty Name  | Topic/ Course Name  | Duration | Organizer Name   |
|---|---|----------|--|
| Prof. Bhavesh S. Patel  | Basic of PLC  | 1 Day    | Electrical Engineering Department of S.S. Agrawal Institute of Engineering and Technology, Navsari |
| Prof. Bhavesh S. Patel  | Penetration of EVS on Indian Power Grid Feasibility Analysis, Challenge and Solutions                                 | 1 Day    | Electrical Engineering Department of R. N. G. Patel Institute of Technology Bardoli                |
| Prof. Bhavesh S. Patel  | Introduction to MATLAB for Engineering Applications   | 1 Day    | Civil Engineering Department of Dr. S & S. S. Gandhy Government Engineering College, Surat         |
| Prof. Bhavesh S. Patel  | Career Opportunities after B.E./M.E./MBA/B.Voc Post COVID and How to Prepare Yourself to Take Advantage               | 1 Day    | Gujarat Technological University, Ahmedabad and R. N. G. Patel Institute of Technology – RNGPIT    |
| Prof. Bhavin Trivedi  | Impact of Harmonics on Electrical Distribution System   | 1 Day    | Uka Tarasadiya University, Bardoli   |
| Prof. Bhavin Trivedi, Prof. Dharmishtha Patel   | Powerful Multimedia Tools to Make Classroom Teaching Effective  | 1 Day    | S.S Agrawal Institute of Technology, Navsari   |
| Prof. Bhavin Trivedi, Prof. Dharmishtha Patel   | Latest Trends in the Electric Traction  | 1 Day    | S.S Agrawal Institute of Technology, Navsari   |
| Prof. Ankur P. Desai  | Future Trends in Academics  | 2 Days   | CVM University   |
| Prof. Ankur P. Desai  | Fundamental Concepts of a Finite Element Analysis (FEA) for Electrical, Electronics, Reliability and Design Engineers | -        | ANSYS Inc  |
| Prof. Ankur P. Desai  | Problem based Megaprojects: Complex problem-solving competences and interdisciplinary in higher education             | 1 Day    | IUCEE Global Webinar of Engineering Education  |
| Dr. R J Motiyani, Prof. Dhruvang Gayakwad, Prof. Jay Desai, Prof. Khyati Naik, Prof. Dharmishtha Patel, Prof. Ankur P Desai | Mathematics in Real Life  | 1 Day    | ASH Department of GIDC Degree Engineering College, Navsari   |
| Prof. Ankur P. Desai  | SHODH Scheme to Promote High-Quality Research   | 1 Day    | Knowledge Consortium of Gujarat  |
| Prof. Ankur P. Desai  | Accelerating Computations using MATLAB and Simulink   | 1 Day    | IUCEE Virtual Academy  |
| Prof. Dharmishtha Patel   | Machine Learning with Python  | 1 Day    | R. N. G. Patel Institute of Technology   |
| Prof. Khyati Naik, Prof. Jay Desai  | Learn Advanced Python from Beginning to Gaming  | 3 Days   | CHARUSAT Changa  |
| Prof. Dhruvang Gayakwad   | Salient Features of National Power Grid & its Management during Emergencies   | 1 Day    | Development Institute  |
| Prof. Dhruvang Gayakwad   | Solid State Transformers and Their Applications in Offshore Energy Systems  | 1 Day    | PES/PELS/IES Joint chapter, IEEE Hyderabad   |
| Prof. Dhruvang Gayakwad   | Deploying Cost-Effective Battery Energy Storage Systems into the Indian Grid  | 1 Day    | GTG-RISE   |
| Prof. Dhruvang Gayakwad   | Electric Vehicle Charging is coming to HOMER Grid   | 1 Day    |  |
| Prof. Khyati Naik   | Essential skills for Jobs in Post COVID-19 World  | 1 Day    | TATA Power   |
| Prof. Khyati Naik   | Salient Features of National Power Grid and its Management during Emergencies   | 1 Day    | TATA Power   |
| Prof. Khyati Naik   | Student Ethics- Clean Exit for Enhanced Placement and Internship Opportunities  |          |  |

| Faculty Name            | Topic/ Course Name   | Duration | Organizer Name   |
|-------------------------|--|----------|--|
| Prof. Dhruvang Gayakwad | Gas Insulated Substations (GIS) and their Applications                                       | 1 Day    | IEEE Hyderabad   |
| Prof. Dhruvang Gayakwad | High Efficiency DC/DC Converters with a New Coupled-Inductor-Rectifier structure             | 1 Day    | IEEE   |
| Prof. Dhruvang Gayakwad | Smart Battery Management & Health Conscious Fast Charging for Future Transport               | 1 Day    | IEEE   |
| Prof. Dhruvang Gayakwad | IOT  | 3 days   | PSNA - Blutronics CoE, PSNA college of Engineering & Technology, Dindigul  |
| Prof. Dhruvang Gayakwad | Lithium Ion Batteries for your EVs   | 4 Days   | Credible Future India Pvt. Ltd.  |
| Prof. Dhruvang Gayakwad | Battery Management System for electric vehicle   | 6 Days   | Department of Electrical & Electronics Engineering, KL University, Guntur  |
| Prof. Dhruvang Gayakwad | Student Ethics by Clean Exit for Enhanced Placement and Internship Opportunities             | 1 Day    |  |
| Prof. Bhavesh S. Patel  | Power Train and Electromagnetic Transients   | 2 Days   | Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bangalore, in association with PWSIM Engg. Solutions Pvt. Ltd. |
| Prof. Dhruvang Gayakwad | Role of Energy Storage & Plug in Electric Vehicles in Smart Grid: Challenges & Opportunities | 1 Day    | Department of Electrical & Electronics Engineering of Audisankara Group of Institutions  |

### Mechanical Electrical Engineering Department

|                          |  |        |  |
|--------------------------|--|--------|--|
| Prof. (Dr.) H.S. Patil   | Examination Reforms  | 4 Days | AICTE                                  |
| Dr. D.C. Patel           | course completed on Industrial water treatment plant design.           | 1 Day  | TATA Steels                            |
| Prof. Daksh R. Tandel    | Energy Efficiency in HVAC system                                       | 1 Day  | SRICT,Vataria and ISHRAE Surat Chapter |
| Prof. Hariketan B. Patel | Advanced Functional Ceramics   | 5 Week | COURSERA                               |
| Prof. Hariketan B. Patel | Guide to reference managers: How to effectively manage your references | 1 Day  | Research Academy, Elsevier             |
| Prof. Hariketan B. Patel | Make the most of your research: publish your data & methods            | 1 Day  | Research Academy, Elsevier             |
| Prof. Hariketan B. Patel | How to prepare your manuscript   | 1 Day  | Research Academy, Elsevier             |
| Prof. Hariketan B. Patel | Structuring your article correctly                                     | 1 Day  | Research Academy, Elsevier             |
| Prof. Hariketan B. Patel | How to turn your thesis into an article                                | 1 Day  | Research Academy, Elsevier             |
| Prof. Hariketan B. Patel | Using proper manuscript language                                       | 1 Day  | Research Academy, Elsevier             |
| Prof. Hariketan B. Patel | How to write an abstract and improve your article                      | 1 Day  | Research Academy, Elsevier             |
| Prof. Hariketan B. Patel | Why write a book?  | 1 Day  | Research Academy, Elsevier             |
| Prof. Hariketan B. Patel | Writing a persuasive cover letter for your manuscript                  | 1 Day  | Research Academy, Elsevier             |
| Prof. Hariketan B. Patel | Experimentation for Improvement  | 5 Week | COURSERA                               |
| Prof. Hariketan B. Patel | Materials Science: 10 Things Every Engineer Should Know                | 5 Week | COURSERA                               |
| Prof. Hariketan B. Patel | Nanotechnology and Nanosensors, Part1                                  | 5 Week | COURSERA                               |
| Prof. Bharat H. Gajera   | Introduction to Engineering Mechanics                                  | 5 Week | COURSERA                               |

| Faculty Name           | Topic/ Course Name  | Duration | Organizer Name   |
|------------------------|---|----------|--|
| Prof. Bharat H. Gajera | Digital Manufacturing & Design  | 2 Week   | COURSERA   |
| Prof. Hitesh C. Rana   | Introduction to Engineering Mechanics   | 5 Week   | COURSERA   |
| Prof. Hitesh C. Rana   | Application of Engineering Mechanics  | 5 Week   | COURSERA   |
| Prof. Hitesh C. Rana   | Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading   | 5 Week   | SRICT,Vataria and ISHRAE Surat Chapter                       |
| Prof. Hitesh C. Rana   | Mechanics of Materials II: Thin-Walled Pressure Vessels and Torsion   | 3 Week   | SRICT,Vataria and ISHRAE Surat Chapter                       |
| Prof. Hitesh C. Rana   | Digital Manufacturing & Design  | 2 Week   | COURSERA   |
| Prof. Hitesh C. Rana   | Completed the module "Writing a persuasive cover letter for your manuscript"  | 1 Day    | Research Academy, Elsevier                                   |
| Prof. Hitesh C. Rana   | Completed the module "10 reasons to get – and use – an ORCID iD"  | 1 Day    | Research Academy, Elsevier                                   |
| Prof. Hitesh C. Rana   | Completed the module "Guide to reference managers: How to effectively manage your references"   | 1 Day    | Research Academy, Elsevier                                   |
| Prof. Hitesh C. Rana   | Completed the module "How to prepare your manuscript"   | 1 Day    | Research Academy, Elsevier                                   |
| Prof. Hitesh C. Rana   | Completed the module "Structuring your article correctly"   | 1 Day    | Research Academy, Elsevier                                   |
| Prof. Hitesh C. Rana   | Completed the module "How to write an abstract and improve your article"  | 1 Day    | Research Academy, Elsevier                                   |
| Bruhad S. Naik         | Guide to reference managers: How to effectively manage your references  | 1 Day    | Research Academy, Elsevier                                   |
| Bruhad S. Naik         | Make the most of your research: publish your data & methods   | 1 Day    | Research Academy, Elsevier                                   |
| Bruhad S. Naik         | How to prepare your manuscript  | 1 Day    | Research Academy, Elsevier                                   |
| Bruhad S. Naik         | Structuring your article correctly  | 1 Day    | Research Academy, Elsevier                                   |
| Bruhad S. Naik         | How to turn your thesis into an article   | 1 Day    | Research Academy, Elsevier                                   |
| Bruhad S. Naik         | Using proper manuscript language  | 1 Day    | Research Academy, Elsevier                                   |
| Bruhad S. Naik         | How to write an abstract and improve your article   | 1 Day    | Research Academy, Elsevier                                   |
| Bruhad S. Naik         | Why write a book?   | 1 Day    | Research Academy, Elsevier                                   |
| Bruhad S. Naik         | Writing a persuasive cover letter for your manuscript   | 1 Day    | Research Academy, Elsevier                                   |
| Prof. Harsh R. Naik    | Completed an online non-credit course on Fundamentals of Visualization with Tableau authorized University of California, Davis and offered through Coursera | 6 Days   | University of California, Davis and offered through Coursera |
| Prof. Harsh R. Naik    | Completed the Elearning program on Basic TQM  | 1 Day    | TATA Steels  |
| Prof. Harsh R. Naik    | Completed the Elearning program on Bulk Material Handling   | 1 Day    | TATA Steels  |
| Prof. Harsh R. Naik    | Completed the Elearning program on Industry 4.0   | 1 Day    | TATA Steels  |
| Prof. Harsh R. Naik    | Completed the Elearning program on Lifting Tools & Tackle   | 1 Day    | TATA Steels  |

| Faculty Name                   | Topic/ Course Name  | Duration | Organizer Name   |
|--------------------------------|---|----------|--|
| Prof. Dharmik A. Patel         | Materials Science: 10 Things Every Engineer should know                                   | 4 Week   | COURSERA   |
| Prof. Dharmik A. Patel         | COVID-19: What You Need to Know   | 1 Week   | COURSERA   |
| Prof. Krunal Hathiwala         | E learning Programme of Basics of TQM   | 1 Week   | TATA STEEL   |
| Prof. Krunal Hathiwala         | E Learning Programme of Basics of TQM Principles  | 1 Week   | TATA Steels  |
| Prof. Krunal Hathiwala         | Completed Course of Wind Energy   | 4 Week   | COURSERA   |
| Prof. Krunal Hathiwala         | Completed Course of Introduction to Thermodynamics:Transferring Energy from Here to There | 4 Week   | COURSERA   |
| Prof. Dhavalkumar S. Chaudhari | Certified Lean Practitioner   | 1 Day    | AIQM Pune  |
| Prof. Dhavalkumar S. Chaudhari | Agile meets design thinking   | 4 Week   | COURSERA   |
| Prof. Dhavalkumar S. Chaudhari | The 3D printing Revolution  | 4 Week   | COURSERA   |
| Prof. Dhavalkumar S. Chaudhari | The hidden value – Lean in manufacturing and services                                     | 4 Week   | COURSERA   |
| Prof. Dhavalkumar S. Chaudhari | Intelligent Machining   | 4 Week   | COURSERA   |
| Prof. Dhavalkumar S. Chaudhari | Materials Science: 10 Things Every Engineer should know                                   | 4 Week   | COURSERA   |
| Prof. (Dr.) H.S. Patil         | Post COVID-19: Resurgence of Indian Industry and R & D.                                   | 1 Day    | SRM University Andhra Pradesh  |
| Prof. (Dr.) H.S. Patil         | Relevance of Ancient Indian Technology in Modern Era.                                     | 1 Day    | GTU - Graduate School of Engineering & Technology                    |
| Prof. (Dr.) H.S. Patil         | "Future Trends in AI"   | 1 Day    | GTU - Graduate School of Engineering & Technology                    |
| Prof. Daksh R. Tandel          | Art of Time Management  | 1 Day    | RNGPIT   |
| Prof. Daksh R. Tandel          | Career in Sustainable Building Industry   | 1 Day    | Design2 occupancy Services LLP                                       |
| Prof. Daksh R. Tandel          | VRF system Basics presented by V.Manjunath  | 1 Day    | ISHRAE   |
| Prof. Hariketan B. Patel       | International webinar on "Five essential elements of science & technology (Panchtatvam)"  | 1 Day    | Shri Satsangi Saketdham "Ram Ashram" Group of Institutions, Vadasma. |
| Prof. Hariketan B. Patel       | National Webinar on - Intellectual Property For New India                                 | 1 Day    | Gujarat Technological University 13th Foundation Day                 |
| Prof. Hariketan B. Patel       | future trends in academics  | 1 Day    | THE CONSTITUENT COLLEGE OF CVM UNIVERSITY                            |
| Prof. Hariketan B. Patel       | future trends in academics  | 1 Day    | THE CONSTITUENT COLLEGE OF CVM UNIVERSITY                            |
| Prof. Hariketan B. Patel       | THESIS WRITING USING APPLICATION SOFTWARE   | 1 Day    | SCET- SURAT  |
| Prof. Hariketan B. Patel       | THESIS WRITING USING APPLICATION SOFTWARE   | 1 Day    | SCET- SURAT  |
| Prof. Bharat H. Gajera         | Intellectual Property for New India   | 1 Day    | GTU  |
| Prof. Bharat H. Gajera         | Nuclear Science and Technology  | 1 Day    | RNGPIT   |

| Faculty Name           | Topic/ Course Name   | Duration | Organizer Name   |
|------------------------|--|----------|--|
| Prof. Bharat H. Gajera | Introduction to Finite Element Analysis  | 1 Day    | RNGPIT   |
| Prof. Bharat H. Gajera | Overview of Meshing in ANSYS   | 1 Day    | RNGPIT   |
| Prof. Bharat H. Gajera | Research as a Profession for Engineers   | 1 Day    | RNGPIT   |
| Prof. Bharat H. Gajera | Opportunities for startups in these challenging times  | 1 Day    | i-hub-SSIP   |
| Prof. Bharat H. Gajera | Disruptive Innovations For startups  | 1 Day    | i-hub-SSIP   |
| Prof. Bharat H. Gajera | Government's start-to-scale programs for innovators and entrepreneurs                                  | 1 Day    | i-hub-SSIP   |
| Prof. Bharat H. Gajera | An effective technical way of writing reports and ppts. via Latex                                      | 1 Day    | RNGPIT   |
| Prof. Bharat H. Gajera | Business Model Canvas  | 1 Day    | i-hub-SSIP   |
| Prof. Bharat H. Gajera | Business Model Canvas  | 1 Day    | i-hub-SSIP   |
| Prof. Hitesh C. Rana   | Intellectual Property for New India  | 1 Day    | GTU  |
| Prof. Hitesh C. Rana   | Research as a Profession for Engineer  | 1 Day    | RNGPIT   |
| Prof. Hitesh C. Rana   | Overview of meshing in ANSYS   | 1 Day    | RNGPIT   |
| Prof. Hitesh C. Rana   | Introduction to finite element analysis  | 1 Day    | RNGPIT   |
| Prof. Hitesh C. Rana   | Fractue based design philosophy  | 1 Day    | RNGPIT   |
| Prof. Hitesh C. Rana   | A Special case of Linear programming Problems: Transportation Problems                                 | 1 Day    | PACIFIC SCHOOL OF ENGINEERING  |
| Prof. Bruhad S. Naik   | Employability Skills for Mechanical Engineers At GDEC  | 1 Day    | GDEC   |
| Prof. Bruhad S. Naik   | Nuances of Business Incubators   | 1 Day    | i-Hub  |
| Prof. Bruhad S. Naik   | Cyber Security   | 1 Day    | R N Patel Ipcowala School of Law and Justice (A Constituent College of CVM University) |
| Prof. Bruhad S. Naik   | Government's Start to scale program for innovators and entrepreneur                                    | 1 Day    | i-Hub  |
| Prof. Bruhad S. Naik   | 3D EM simulation involving CST software & R&S VNA & instuemnts   | 1 Day    | GTU CiC3   |
| Prof. Bruhad S. Naik   | Opportunities for startups in these challenging times  | 1 Day    | i-Hub & SSIP   |
| Prof. Bruhad S. Naik   | Future Trends in Academics   | 2 Days   | Charutar Vidya Mandal (CVM)  |
| Prof. Bruhad S. Naik   | Digital Transformation Fandamentals  | 1 Day    | GTU CiC3   |
| Prof. Bruhad S. Naik   | Powerful Multimedia Tools to Make Classroom Teaching Effective   | 1 Day    | S. S. Agrawal Institute of Engineering and Technology                                  |
| Prof. Bruhad S. Naik   | Learning from the first 10 years of E-Mobility in Europe   | 1 Day    | Ganpat University  |
| Prof. Harsh R. Naik    | Future Trends in AI  | 1 Day    | GTU - Graduate School of Engineering & Technology                                      |
| Prof. Harsh R. Naik    | Participated in the National Webinar on Intellectual Property For New India on 13th GTU Foundation Day | 1 Day    | GTU  |
| Prof. Harsh R. Naik    | Converting Calamity to Opportunity   | 1 Day    | SSIP & i-Hub   |

| Faculty Name              | Topic/ Course Name   | Duration | Organizer Name                                  |
|---------------------------|--|----------|---|
| Prof.Harsh R. Naik        | Digital Transformation Fundamentals                                      | 1 Day    | Community Innovation & Co-creation Centre, GTU  |
| Prof.Harsh R. Naik        | Overview of Meshing in ANSYS   | 1 Day    | RNGPIT  |
| Prof.Harsh R. Naik        | AI / ML FOR ROBOT AUTOMATION   | 1 Day    | Rajiv Gandhi College of Engineering, Chandrapur |
| Prof. Akash A. Patel      | 8D: A Problem Solving Tool   | 1 Day    | GDEC  |
| Prof. Akash A. Patel      | Modeling & Analysis of Mechanical System using Solidworks                | 1 Day    | GDEC  |
| Prof. Dharmik A. Patel    | Nuclear Science and Technology   | 1 Day    | RNGPIT  |
| Prof. Dharmik A. Patel    | Computational fluid dynamics   | 1 Day    | RNGPIT  |
| Prof. Dharmik A. Patel    | Art of Time Management   | 1 Day    | RNGPIT  |
| Prof. Dharmik A. Patel    | Five essential elements of science & technology (Panchtatvam)            | 1 Day    | SRI   |
| Prof. Dhaval S. chaudhari | COVID-19 awareness and prevention  | 1 Day    | GIHM delhi                                      |
| Prof. Dhaval S. chaudhari | Genius code- Science of peak performance                                 | 1 Day    | GTU   |
| Prof. Dhaval S. chaudhari | Wind Energy Technologies and future prospects                            | 1 Day    | GPRI mehsana                                    |
| Prof. Dhaval S. chaudhari | Standard precautions: Waste management                                   | 1 Day    | WHO   |
| Prof. Dhaval S. chaudhari | Skill Development & Opportunities in Robotics                            | 1 Day    | GTU   |
| Prof. Dhaval S. chaudhari | Design and Slice 3D Printed Gadgets to Defeat against Covid-19 with Cura | 1 Day    | RNGPIT  |
| Prof. Dhaval S. chaudhari | Entrepreneurship 2.0- AI in business Today                               | 1 Day    | RNGPIT  |
| Prof. Dhaval S. chaudhari | Fracture based design philosophy   | 1 Day    | RNGPIT  |
| Prof. Dhaval S. chaudhari | Friction stir welding  | 1 Day    | RNGPIT  |
| Prof. Dhaval S. chaudhari | Nuclear Science and Technology   | 1 Day    | RNGPIT  |
| Prof. Dhaval S. chaudhari | नए भारत के लिए बौद्धिक संपदा - Intellectual Property For                 | 1 Day    | GTU   |
| Prof. Dhaval S. chaudhari | Opportunities in Augmented & Virtual Reality                             | 1 Day    | GTU   |
| Prof. Dhaval S. chaudhari | Remote Sensing Techniques in Engineering                                 | 1 Day    | GTU   |
| Prof. Dhaval S. chaudhari | Lean manufacturing   | 1 Day    | GTU   |
| Prof. Dhaval S. chaudhari | A Day In The Life of an Engineer working at Raytheon                     | 1 Day    | ASME  |
| Prof. Krunal Hathiwala    | नए भारत के लिए बौद्धिक संपदा - Intellectual Property For New India       | 1 Day    | GTU   |
| Prof. Krunal Hathiwala    | Nuclear Science And Technology   | 1 Day    | RNGPIT  |
| Prof. Krunal Hathiwala    | Fracture Based Design Philosophy   | 1 Day    | RNGPIT  |
| Prof. Krunal Hathiwala    | Friction Stir Welding  | 1 Day    | RNGPIT  |
| Prof. Krunal Hathiwala    | Powerful Multimedia Tools to Make Classroom Teaching Effective           | 1 Day    | S S Agrawal College                             |
| Prof. Krunal Hathiwala    | Wind Energy Technologies And Future Prospects                            | 1 Day    | GPRI  |
| Prof. Krunal Hathiwala    | Digital Transformation Fundamentals                                      | 1 Day    | GTU   |

| Faculty Name           | Topic/ Course Name  | Duration | Organizer Name                |
|------------------------|---|----------|-------------------------------|
| Prof. Krunal Hathiwala | Opportunities in Augmented & Virtual Reality at GTU   | 1 Day    | GTU                           |
| Prof. Krunal Hathiwala | Attended Two Days Workshop of 3D EM SIMULATION INVOLVING CST SOFTWARE & R&S VNA & INSTRUMENTS | 1 Day    | GTU                           |
| Prof. Krunal Hathiwala | Remote Sensing Techniques in Engineering At GTU   | 1 Day    | GTU                           |
| Prof. Krunal Hathiwala | Employability Skills for Mechanical Engineers At GDEC   | 1 Day    | GDEC                          |
| Prof. Krunal Hathiwala | Market Strategy   | 1 Day    | iHub & SSIP                   |
| Prof. Krunal Hathiwala | Opportunities for startups in these challenging times   | 1 Day    | iHub & SSIP                   |
| Prof. Krunal Hathiwala | A Special Case of Linear Programming Problems:Transportation Problems                         | 1 Day    | Pacific School of Engineering |
| Prof. Krunal Hathiwala | Computational fluid dynamics  | 1 Day    | RNGPIT                        |
| Prof. Krunal Hathiwala | Five essential elements of science & technology (Panchtatvam)                                 | 1 Day    | SRI                           |

### Automobile Engineering Department

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|--|---|-------|--|
| Prof. Toral Patel  | Ssip Review Meeting with Shrimati. Anju Sharma  | 1 Day | Director Technical Education, Gandhinagar                        |
| Prof. Toral Patel  | Creative Thinking in Quarantine by Shri Kamal Kishore Sharma  | 1 Day | I-HUB Gandhinagar  |
| Prof. Toral Patel  | Creative Problem Solving by Viral Jogiani   | 1 Day | ISHRAE Surat   |
| Prof. Ashish O. Jain                                       | PhD Thesis (GTU) formatting using MS WORD   | 1 Day | Dr. Bhaskar V. Bhatt   |
| Prof. Toral Patel,<br>Prof. Ankit Patel,<br>Dixit R. Patel | COVID 19 Challenges   | 1 Day | Gujarat University through GUSEC                                 |
| Prof. Ashish O. Jain                                       | Electric Mobility and EV Ecosystem Scenario Post COVID-19 – Live Panel  | 1 Day | ACMA   |
| Prof. Toral Patel  | Opportunities Post COVID by Shri M. Nagarajan   | 1 Day | Startup Saathi Webinar Series                                    |
| Prof. Ashish O. Jain                                       | Tire Testing -Why we need it, and How to Do It Efficiently" by Dr. James M. Cuttino   | 1 Day | SAEINDIA Western Section   |
| Prof. Toral Patel  | Intellectual Property Rights (IPR)  | 1 Day | Gujarat University & GUSEC                                       |
| Prof. Ashish O. Jain                                       | Off-Highway Machinery Application in India Mines and Regulatory Overview" by Mr. M. Arumugam  | 1 Day | SAEINDIA Off Highway   |
| Prof. Ashish O. Jain                                       | Emission Norms in India (BS-IV and BS-VI) Off-Highway Industry" by Mr. Sarang Marjive & Mr. Karthik Sarma   | 1 Day | SAEINDIA Off Highway   |
| Prof. Toral Patel  | Use of Elsevier Tools in Research Workflow  | 1 Day | Department of Commerce, University of Madras, Chennai & Elsevier |
| Prof. Ashish O. Jain                                       | "3D printing to redefine efficiency, cost effectiveness & productivity for automotive industry" by Mr. Nishant Shah, Mr. Ganesh Babu T, & Mr. Swapnil Sansare | 1 Day | Automotive Engineering Show, Chennai                             |
| Prof. Ashish O. Jain                                       | "Fundamentals of Li-ion Battery and Electric Vehicles" by Dr. Swayam Panchal  | 1 Day | SNS College of Technology, Coimbatore, Tamil Nadu                |
| Prof. Ashish O. Jain                                       | "Academic publications" by Dr. D. B. Jani   | 1 Day | SNS College of Technology, Coimbatore, Tamil Nadu                |

| Faculty Name   | Topic/ Course Name   | Duration | Organizer Name   |
|--|--|----------|--|
| Prof. Ashish O. Jain   | COVID 19 & the future of Higher Education  | 1 Day    | Commerce dept. of College, Maharaja Agrasen Mahavidyalaya, Jagadhari |
| Prof. Sunil Khokhar  | Desiccant Based Dehumidification & Cooling System” by Dr. D. B. Jani                         | 1 Day    | Jai ShriRam Engineering College, Tiruppur, Tamil Nadu                |
| Prof. Toral Patel,<br>Prof. Ashish O. Jain,<br>Prof. Ankit Patel,<br>Prof. Sunil Khokhar<br>Prof. Mayur Jalanapurkar<br>Prof. Kenal Tandel,<br>Manoj U. Patel,<br>Dixit R. Patel | Intellectual Property For New India  | 1 Day    | 13th Foundation Day of GTU   |
| Prof. Mayur Jalanapurkar   | Introduction to CAD Customization  | 1 Day    | SKILL LYNC   |
| Prof. Ashish O. Jain   | Desiccant Based Dehumidification & Cooling System by Dr. D. B. Jani                          | 1 Day    | MED, Sreenidhi Institute of Science & Technology, Hyderabad, India   |
| Prof. Mayur Jalanapurkar   | Insight into GD&T  | 1 Day    | SKILL LYNC   |
| Prof. Sunil Khokhar,<br>Prof. Mayur Jalanapurkar   | Future Trends in AI  | 1 Day    | GTU- Graduate School of Engg. & Technology                           |
| Prof. Sunil Khokhar,<br>Prof. Mayur Jalanapurkar   | Skill Development & Opportunities in Robotics  | 1 Day    | Community Innovation & Co - Creation Centre - GTU                    |
| Dixit R. Patel   | Employability Skills for Mechanical Engineers  | 1 Day    | Mechanical Engineering Department of GIDC Degree Engineering College |
| Dixit R. Patel   | Modeling and Analysis of Mechanical System Using Solid-works                                 | 1 Day    | Mechanical Engineering Department of GIDC Degree Engineering College |
| Prof. Ashish O. Jain   | Case Studies on Biomedical Applications of 3D Printing                                       | 1 Day    | MED, Sreenidhi Institute of Science & Technology, Hyderabad, India   |
| Prof. Ashish O. Jain   | Higher Education Post COVID 19   | 1 Day    | Rungta Groups of Institutions, Raipur                                |
| Prof. Ashish O. Jain   | Nanotechnologies for transforming the Future: Challenges and Oppourtunities                  | 1 Day    | PDPU   |
| Prof. Ashish O. Jain,<br>Prof. Mayur Jalanapurkar  | ASH Dept. GDEC Navsari   | 1 Day    | ASH Dept. GDEC Navsari   |
| Prof. Ashish O. Jain   | How to write Research Proposal & Research Articles   | 1 Day    | Dr. S. & S. S. Gandhi Govt. College, Surat & ISTE                    |
| Prof. Ashish O. Jain   | Thesis writing using application Software by Dr. Hitesh Mehta                                | 2 Days   | EED, SCET, Surat   |
| Prof. Ashish O. Jain   | Powerful Multimedia Tools to Make Classroom Teaching Effective” by Prof. (Dr. ) Rakesh Damir | 1 Day    | S. S. Agrawal Institute of Engineering & Technology, Navsari         |
| Prof. Mayur Jalanapurkar   | Digital Transformation Fundamentals  | 1 Day    | Community Innovation & Co - Creation Centre - GTU                    |
| Prof. Ashish O. Jain   | Introduction to MATLAB for Engineering Applications by Md. Ishak A. Sheikh                   | 1 Day    | Dr. S. & S. S. Gandhi Govt. College, Surat & ISTE                    |
| Prof. Mayur Jalanapurkar   | Lean Manufacturing   | 1 Day    | Community Innovation & Co - Creation Centre - GTU                    |
| Prof. Ashish O. Jain   | Crack Interview by Interviewer's mind  | 1 Day    | MGITER, Navsari  |
| Prof. Mayur Jalanapurkar   | Remote Sensing Techniques in Engineering   | 1 Day    | Community Innovation & Co - Creation Centre - GTU                    |
| Prof. Ashish O. Jain   | Cyber Security : Need of the Hour for New India  | 1 Day    | GACC, Natrang, Bharuch   |
| Prof. Ashish O. Jain   | Learning from the first 10 years of E-Mobility in Europe” delivered by Dr. Colin Herron      | 1 Day    | Ganpat University  |
| Prof. Ashish O. Jain   | Role of IQAC in Quality Sustenance   | 1 Day    | IQAC, SKWC, Sangli   |

| Faculty Name  | Topic/ Course Name  | Duration | Organizer Name  |
|---|---|----------|---|
| Prof. Ashish O. Jain  | Opportunities in Healthcare to Build Atmanirbhar Bharat Post COVID-19                                     | 1 Day    | Indrashil University, Rajpur, Kadi, Gujarat   |
| Prof. Ashish O. Jain  | Say No to CORONA in context to Indian Approach  | 1 Day    | LIPH, Kathog, HP  |
| Prof. Ashish O. Jain  | FEM on Metal forming Processes  | 1 Day    | MED, PCE, Jaipur  |
| Prof. Ashish O. Jain  | Corona Virus Disease 2019 (COVID-19) Pandemic Update and Q & A session" by Prof. D. Samba Reddy           | 1 Day    | Institution's Innovation Council cell of the Vignan Pharmacy College, Vadlamudi, Guntur |
| Prof. Ashish O. Jain, Prof. Sunil Khokhar                       | Scope in Automobile Industry  | 1 Day    | LJ Institute of Innovation & Entrepreneurship   |
| Prof. Sunil Khokhar   | Future of Indian Engineers in Industrial 4.0-Digital Era  | 1 Day    | Department of Automobile Engineering, M. H. Saboo Siddik College of Engineering         |
| Prof. Mayur Jalanapurkar, Prof. Kenal D. Tandel, Dixit R. Patel | Opportunities for startups in these challenging times   | 1 Day    | i-Hub, Gujarat  |
| Prof. Ashish O. Jain, Prof. Sunil Khokhar                       | Dessicant Based Dehumidification & Cooling System" by Dr. D. B. Jani                                      | 1 Day    | MIC College of Technology   |
| Prof. Ashish O. Jain  | Fundamentals of Multiphase Flow & its Modelling by Dr.Pramod Kumar  | 1 Day    | MIC College of Technology   |
| Prof. Ashish O. Jain  | Essential Skills for Jobs in a Post-COVID19 World   | 1 Day    | TATA TPSDI, Virtual Academy of Skills   |
| Prof. Mayur Jalanapurkar  | Role on Additive Manufacturing (3D Printing)  | 1 Day    | Role on Additive Manufacturing (3D Printing)  |
| Prof. Ashish O. Jain  | Disruptive Innovations For startups   | 1 Day    | i-Hub, Gujarat  |
| Prof. Ashish O. Jain, Dixit R. Patel                            | Fundamentals of bearing & its manufacturing for automotive applications                                   | 1 Day    | MIC College of Technology   |
| Prof. Ashish O. Jain  | Micro mechanics of polymer nano-composites by Dr. B. Pattabhi Ramaiah                                     | 1 Day    | MIC College of Technology   |
| Prof. Ashish O. Jain  | Government's start-to-scale programs for innovators and entrepreneurs' By Ms. Poyini Bhatt,CEO, SINE IITB | 1 Day    | i-Hub, Gujarat  |
| Prof. Ashish O. Jain, Dixit R. Patel                            | Friction stir Processing: A novel solid-state grain refinement Technique                                  | 1 Day    | MIC College of Technology   |
| Prof. Ashish O. Jain, Dixit R. Patel                            | Business Model Canvas' By Rajiv Indimath  | 1 Day    | i-Hub, Gujarat  |
| Prof. Ashish O. Jain  | 'Gujarat to Global' By Padma Shri Ganpat Patel  | 1 Day    | i-Hub, Gujarat  |
| Prof. Ashish O. Jain  | Advancement in Robotics   |          | MIC College of Technology   |
| Prof. Ashish O. Jain  | 'Design Thinking for Entrepreneurs' By Dr. Jyotika Pruthi   |          | i-Hub, Gujarat  |
| Prof. Ashish O. Jain  | Idea to MVP (Minimum Viable Product) by Mr. Panoram Baraiya   |          | SSIP Cell, S. N. Patel Institute of Technology & Research Centre, Umrakh                |
| Prof. Ashish O. Jain  | 'Role of Startups and Incubators towards Atmanirbhar Bharat' By Shri R Ramanan                            |          | i-Hub, Gujarat  |
| Prof. Ashish O. Jain  | New Normal: Total Health through 3 Step Rhythmic Breathing  |          | UBA cell, Parul University  |
| Prof. Ashish O. Jain  | Building The Value SaaS Way' by Thiyagarajan M (Rajan)  |          | i-Hub, Gujarat  |
| Prof. Ashish O. Jain  | 5G Network Architecture and SDN   |          | Parul University  |

| Faculty Name                     | Topic/ Course Name   | Duration | Organizer Name  |
|----------------------------------|--|----------|---|
| Dixit R. Patel                   | Materials Characterization using Time of Flight Secondary Ion Mass Spectroscopy (TOF-SIMS) |          | National Institute of Science and Technology (Autonomous) Biju Patnaik University of Technology, Odisha |
| Prof. Ashish O. Jain             | 'Ecosystem role in I2E-Innovator to Entrepreneur journey' By Mr. Uday Wankawala            |          | i-Hub, Gujarat  |
| Prof. Ashish O. Jain             | 'Design as the Driver for Innovation' By Prof. Amaresh Chakrabarti                         |          | i-Hub, Gujarat  |
| Prof. Kenal D. Tandel            | Corona Commando (Gujarati)   |          | Surat Municipal Corporation and Social work Oriented team Charitable Trust, Surat                       |
| Prof. Ashish O. Jain             | Corona Commando (Gujarati)   |          | Surat Municipal Corporation and Social work Oriented team Charitable Trust, Surat                       |
| Prof. Ashish O. Jain             | Measuring instrument, Basic TQM  |          | Tata Steel  |
| Prof. Ashish O. Jain             | Bearings, Compressors  |          | Tata Steel  |
| Prof. Mayur Jalanapurkar         | Basic Metallurgy   |          | Tata Steel  |
| Prof. Ashish O. Jain             | Industry 4.0, Basic Metallurgy, Primary Steel Making, Desulphurisation                     |          | Tata Steel  |
| Prof. Kenal D. Tandel            | Basic Metallurgy   |          | Tata Steel  |
| Prof. Ashish O. Jain             | Introduction to the 5S Concept" by Shawna Gilleland  |          | UTTANA ENNA, USA  |
| Prof. Ashish O. Jain             | "Lean Fundamentals" by Philip Goritsas   |          | UTTANA ENNA, USA  |
| Prof. Mayur Jalanapurkar         | Pedagogical Innovations & Research methodology   |          | SWAYAM  |
| Prof. Mayur Jalanapurkar         | Measuring instrument, Heat Treatment of Steel, Basic TQM                                   |          | Tata Steel  |
| Prof. Ashish O. Jain             | Heat Treatment of steel, Instrument & Control System, Lifting Tools & Tackle, Fan & Blower |          | Tata Steel  |
| Manoj U. Patel<br>Dixit R. Patel | Bulk Material Handling<br>Measuring instrument, Heat Treatment of Steel                    |          | Tata Steel  |
| Prof. Ashish O. Jain             | "Lean Supply Chain" by Collin McLoughlin   |          | UTTANA ENNA, USA  |
| Prof. Ashish O. Jain             | Power Systems Earthing   |          | Tata Steel  |
| Prof. Kenal D. Tandel            | MS Office  |          | Tata Steel  |
| Prof. Ashish O. Jain             | "The Lean Committee" by Chris Ortiz  |          | UTTANA ENNA, USA  |
| Prof. Ashish O. Jain             | "Introduction to Total Productive Maintenance" by Collin McLoughlin                        |          | UTTANA ENNA, USA  |
| Prof. Kenal D. Tandel            | Measuring instrument   |          | Tata Steel  |
| Prof. Ashish O. Jain             | "Overview of Single Minute Exchange of Dies (SMED)" by Collin McLoughlin                   |          | UTTANA ENNA, USA  |
| Prof. Ankit Patel                | Research Workflow, Research Metrics & Excellence in Academic Institutes                    |          | Research Academy, ELSEVIER  |
| Prof. Mayur Jalanapurkar         | Guide to reference managers: How to effectively manage your references                     |          | Research Academy, ELSEVIER  |
| Prof. Kenal D. Tandel            | Desulphurisation   |          | Tata Steel  |
| Prof. Ashish O. Jain             | Funding  |          | Research Academy, ELSEVIER  |

| Faculty Name                                     | Topic/ Course Name   | Duration | Organizer Name                                      |
|--|--|----------|---|
| Prof. Kenal D. Tandel                            | Primary Steel Making   |          | Tata Steel  |
| Prof. Ashish O. Jain                             | "Overview of Value Stream Mapping (VSM)" by Philip Goritsas  |          | UTTANA ENNA, USA                                    |
| Prof. Mayur Jalanapurkar                         | Conference skills for researchers, Make the most of your research: publish your data & methods                       |          | Research Academy, ELSEVIER                          |
| Prof. Ashish O. Jain                             | Writing Skills, Research Collaborations  |          | Research Academy, ELSEVIER                          |
| Prof. Sunil Khokhar                              | Bearings   |          | Tata Steel  |
| Prof. Ashish O. Jain                             | Book Writing   |          | Research Academy, ELSEVIER                          |
| Prof. Ashish O. Jain<br>Prof. Mayur Jalanapurkar | Basic TQM Principles   |          | Tata Steel  |
| Prof. Ashish O. Jain                             | Research Data Management, Going Peer Review  |          | Research Academy, ELSEVIER                          |
| Prof. Ashish O. Jain                             | Fundamentals of Peer Review  | 1 Day    | Research Academy, ELSEVIER                          |
| Prof. Mayur Jalanapurkar                         | Digital Product Management: Modern Fundamentals  | 1 Day    | University of Virginia and offered through Coursera |
| Prof. Mayur Jalanapurkar                         | Ferrous Technology II  | 1 Day    | PUST and offered through Coursera                   |
| Prof. Sunil Khokhar                              | Fuel & Combustion, Measuring Instrument  | 1 Day    | Tata Steel  |
| Prof. Mayur Jalanapurkar                         | Ferrous Technology I   | 1 Day    | PUST and offered through Coursera                   |
| Prof. Sunil Khokhar                              | How to secure funding - ECR edition  | 1 Day    | Research Academy, ELSEVIER                          |
| Prof. Kenal D. Tandel<br>Dixit R. Patel          | Social Media for Researchers   | 1 Day    | Research Academy, ELSEVIER                          |
| Prof. Kenal D. Tandel<br>Dixit R. Patel          | Conference skills for researchers  | 2 Days   | Research Academy, ELSEVIER                          |
| Prof. Kenal D. Tandel                            | How to promote your research for maximum impact, Discover how metrics can boost funding and networking opportunities | 1 Day    | Research Academy, ELSEVIER                          |
| Prof. Kenal D. Tandel                            | Writing a persuasive cover letter for your manuscript, an editor's guide to writing a review article                 | 1 Day    | Research Academy, ELSEVIER                          |
| Dixit R. Patel                                   | A guide to journal citation metrics, Making academia-industry collaborations work                                    | 1 Day    | Research Academy, ELSEVIER                          |

### Civil Engineering Department

|   |  |        |   |
|---|--|--------|---|
| Dr. Bhavin G. Patel                         | Advances in Civil Engineering and Constructions Technologies | 5 Days | Ta'amir Consultants (Vadodara), Omkar Associates (Vadodara) and Om Pramukh Swami E.H.S. Consultants (Himmatnagar) |
| Prof. Vikunj Tilva                          | future trends in academics                                   | 2 days | CVM university  |
| Prof. Vikunj Tilva                          | modern admixture for durable and green concrete              | 1 day  | ultratech cement  |
| Prof. Vikunj Tilva,<br>Prof. Hemina Patel   | Durability of concrete                                       | 1 day  | wonder cement   |
| Prof. Nilesh Parmar                         | Building Information Modelling (BIM)                         | 1 day  | K. K. Wagh Education Society's K. K. Wagh Institute of Engineering Education and Research, Nashik                 |
| Prof. Sunil Jaganiya,<br>Prof. Hemina Patel | Building Information Modeling (BIM)                          | 1 day  |   |

| Faculty Name   | Topic/ Course Name   | Duration | Organizer Name   |
|--|--|----------|--|
| Prof. Sunil Jaganiya,<br>Prof. Rajan Lad,<br>Prof. Krutika Chauhan,<br>Prof. Jaldip Patel,<br>Prof. Hemina Patel | Advanced technology of pedestrian crossing System for future in India          | 1 day    |  |
| Prof. Rajan Lad  | 13th foundation day celebration  | 1 day    | GTU  |
| Prof. Rajan Lad  | Innovation – self Compacting Concrete  | 1 day    |  |
| Prof. Rajan Lad,<br>Prof. Jaldip Patel   | Holistic Development during Pandemic 2020                                      | 1 day    |  |
| Prof. Krutika Chauhan,<br>Prof. Hemina Patel   | Intellectual Property For New India  | 1 day    | Gujarat Technological University (13th Foundation Day)   |
| Prof. Krutika Chauhan  | Mathematics in Real Life   | 1 day    | ASH Department of GIDC Degree Engineering College, Navsari   |
| Prof. Krutika Chauhan  | Advanced technique for monitoring real time cast-in-situ concrete strength     | 1 day    | Birla Vishvakarma Mahavidyalaya Engineering College  |
| Prof. Jaldip Patel   | Innovation – self Compacting Concrete  | 1 day    |  |
| Prof. Hemina Patel   | Modeling of River Reach Using HEC- RAS to assess Carrying Capacity: Case Study | 1 day    | GTU- Design Innovation Center (DIC)  |
| Prof. Hemina Patel   | Post COVID Solid Waste Management Practices                                    | 1 day    | Birla Vishvakarma Mahavidyalaya Engineering College Vallabh Vidyanagar   |
| Prof. Hemina Patel   | Nano Technology in Water and Waste Water Treatment                             | 1 day    | Indian Water Works Association (IWWA) Vadodara Center  |
| Prof. Hemina Patel   | Career Guidance & Competitive Skills in a Civil Engineering                    | 1 day    | Community Innovation & Co-Creation Center(CiC3), Gujarat Technological University Ahmedabad, Gujarat & Dr. S S Ghandhy Government Engineering College, Surat |
| Prof. Hemina Patel   | Digital Learning   | 1 day    | Nandha College of Technology, Tamilnadu  |
| Prof. Hemina Patel   | Triple Constraints in Project Management                                       | 1 day    | Birla Vishvakarma Mahavidyalaya Engineering College, VV Nagar  |
| Prof. Hemina Patel   | English is Easy  | 3 days   | S.S. Agrawal Institute of Engineering and Technology, Navsari  |

## Faculty Achievements

### Electrical Engineering Department

- Prof. Ankur P Desai has secured 9.00 SPI in PhD course work examination conducted by GTU.

### Book Publication

### Mechanical Engineering Department

- Prof. (Dr.) H. S. Patil has published a book on 'Dynamics of Machinery ( Code : 2161901) with ISBN No- 978-93-89926-42-2 for Mechanical / Automobile Engineering Students of Gujarat Technological University in the month of March 2020 in association with Tech-Neo Publication Pune.

### Paper Publication/Presentation

### ASH Department

- Prof. Harshal G. Vashi has published A paper entitled “Employability Skills: Pre-Requisites for an Engineering Graduate” in Volume 12 Issue 11, May, 2020 Of Pacific Business Review International (ISSN 0974-438x). This is a UGC CARE listed journal.

### Electrical Engineering Department

- Prof. Ketan k. Lad, Prof Dhaval k Patel, Prof. Bhavesh s. Patel and Prof. Rohit B.. Damor have presented a paper on "Surveillance system using Roboguard" in an International Conference on Recent Development in Engineering Sciences, Humanities and Management, organized by Engineering College , Bharatpur, Rajasthan and NIT Calicut on 24th -25th Jan, 2020.

### Computer Engineering Department

- Prof. Archana M. Nayak has Participated and Presented the Paper id 071 entitled “PREDICTING PASSENGER FLOW IN BTS AND MTS USING HYBRID STACKED AUTO-ENCODER AND SOFTMAX REGRESSION” at International Conference on Computing Science, Communication and Security (COMS2-2020) organized by the Ganpat University, Gujarat, INDIA on 26th - 27th March 2020 in association with Springer CCIS Series.

### Mechanical Engineering Department

- Daksh R. Tandel presented research paper on “Development and testing of evacuated box solar collector” in National Symposium on “Cleaner production and Green Technology” held on 14th Dec 2019 at CGPT, Bardoli.
- Dr. D. C. Patel had invited as a Speaker for webinar- Modeling and Analysis with Solidworks for government engineering college, Valsad" on 20th May, 2020
- Daksh R Tandel participated in National Symposium on “Cleaner production and Green Technology” held on 14th Dec 2019 at CGPT, Bardoli.
- Prof. Hitesh C. Rana shared government circulars and information related to COVID-19 in Vedchha village under UBA.
- Prof. Bruhad S Naik has organized Webinar on "Employability Skills for Mechanical Engineers" on 21st May 2020.

### Automobile Engineering Department

- Prof. Ashish O. Jain has participated in “Spitting Kills” Campaign during April – May 2020 to prevent the spread of COVID-19 under NSS & Alamelu Charitable Foundation supported by Tata Trusts.



**STTP/E-STTP/FDP/E-FDP attended**

| Faculty Name  | Topic/ Course Name  | Duration                        | Organizer Name   |
|---|---|---------------------------------|--|
| <b>Computer Engineering Department</b>                            |   |                                 |  |
| Prof. Archana M. Nayak, Prof. Kuashik S. Patel                    | Comprehensive Quality Initiatives for Higher Education in Pandemic era  | 1 Week                          | Internal Quality Assurance Cell (IQAC) of Uka Tarsadia University, Bardoli, Gujarat  |
| Prof. Archana M. Nayak, Prof. Kuashik S. Patel                    | Hands on with Creating & Managing Online Teaching Tools for Teachers  | 3 Days                          | Electrical Engineering Department, S N Patel Institute of Technology & Research Centre, Umrakh   |
| Prof. Archana M. Nayak, Prof. Kuashik S. Patel                    | Moodle Learning Management System   | 1 Week                          | Information Technology Department, Madhuben & Bhanubhai Patel Institute of Technology in association with Spoken Tutorial, IIT, Bombay |
| Prof. Mihir A. Mishra   | Recent Trends and Applications of Machine Learning and Deep Learning in IT  | 1 Week                          | Department of Information Technology, RAIT, Navi Mumbai  |
| Prof. Mihir A. Mishra   | Examination Reforms   | 4 Days                          | AICTE  |
| <b>ASH Department</b>   |   |                                 |  |
| Prof. Harshal G. Vashi  | Teaching in Uncertain Times: Opportunities and Challenges   | 6 Days                          | GTU and Babaria Institute of Pharmacy, Vadodara  |
| <b>Automobile Engineering Department</b>                          |   |                                 |  |
| Prof. Toral Patel, Prof. Ashish O. Jain, Prof. Mayur Jalanapurkar | Electric Vehicles   | 24th to 29th April, 2020        | ARAI, Pune in association with AICTE, ASDC, DHI & RIT  |
| Prof. Toral Patel   | Online Course on Examination Reforms  | 29th April 2020 to 1st May 2020 | AICTE  |
| Prof. Mayur Jalanapurkar  | Design, Simulation & Development of Unmanned Aerial Vehicles (drones) & Applications in Various Engineering sectors | 30th April to 4th May, 2020     | NAFEMS in association with RIT, Islampur, Maharashtra and RCE, Eluru, AndhraPradesh  |
| Prof. Toral Patel   | Redefining the role of Educator in COVID 19 OUTBREAK ERA  | 11th to 16th May, 2020          | Anand Pharmact College   |
| Prof. Ashish O. Jain  | Design & Development of Electric and Hybrid Electric Vehicle Technology   | 12th to 16th May 2020           | SAEINDIA, SAEINDIA Western Section and N. K. Orchid College of Engineering & Technology, Solapur                                       |
| Prof. Sunil Khokhar   | Renewable Energy Sources- A way ahead   | 15th to 21st May 2020           | MED, Cummins College of Engineering for Women, Nagpur  |
| Prof. Sunil Khokhar, Prof. Mayur Jalanapurkar                     | Basics of MATLAB and Its Engineering Applications   | 21st & 22nd May 2020            | Mech. Dept., PES MCOE, Pune  |
| Prof. Ashish O. Jain  | Comprehensive Quality Initiatives for Higher Education in Pandemic Era  | 26th to 30th May 2020           | IQAC, UTU  |
| Prof. Ashish O. Jain  | Campus to Coporate  | 30th May to 1st June 2020       | HGV, GDEC  |
| Prof. Sunil Khokhar   | Building Energy Technology & Recent Trends in HVAC  | 1st to 6th June 2020            | Pimpri Chinchwad College of Engineering (PCCOE, Pune)  |
| Prof. Mayur Jalanapurkar  | Engineering Technologies in Recent Scenario   | 6th to 8th June 2020            | PG Dept., DSEC, Perambalur-621212  |
| Prof. Mayur Jalanapurkar  | Emerging Trends in Refrigeration & Air-Conditioning   | 8th to 12th June 2020           | Mech. Dept., RSM Polytechnic, Nashik, Association with ISHRAE Nashik Chapter   |
| Prof. Ashish O. Jain  | Webinar Series in MED   | 8th to 13th June 2020           | MIC College of Technology  |
| Prof. Ankit Patel, Prof. Mayur Jalanapurkar, Dixit Patel          | Advanced & Research Opportunities in Internal Combustion Engines  | 16th to 20th June 2020          | Jyothishmathi institute of technology & science (affiliated to jntuh, hyderabad) Nustulapur, Karimnagar                                |

| Faculty Name  | Topic/ Course Name  | Duration | Organizer Name  |
|---|---|----------|---|
| <b>Mechanical Engineering Department</b>              |   |          |   |
| Prof. Harsh R. Naik                                   | Completed an Online Faculty Awareness Program on "Research Methodology" with a score of 72%.                                      | 1 Week   | Department of Mechanical Engineering, Rajgad, Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering, Pune-412206 |
| Prof. Harsh R. Naik                                   | ATAL Academy sponsored online FDP on "Reality-based welding simulator: Significance, virtual training and industrial correlation" | 1 Week   | Mechanical Engineering Department, S. V. National Institute of Technology (SVNIT) Surat, Gujarat, 395007                    |
| Prof. Dhavalkumar s. chaudhari                        | Promoting quality culture in technical institutions   | 1 Week   | AISSMS PUNE AISSMS PUNE   |
| Prof. Bruhad S Naik ,<br>Prof. Dhaval s. chaudhari    | Hands on with Creating & Managing online teaching tool for teacher  | 3 Days   | SNPIT   |
| Prof. Bruhad S Naik                                   | FDP Cum Workshop on Quantitative Methods For Research   | 1 Week   | Department of Post graduate Studies of Pasific Acedamy of Higher Education and Research University, Udaipur                 |
| Prof. Bruhad S Naik.<br>Prof. Krunal Hathiwala        | Renewable Energy And its Utilization  | 1 Week   | SANDIP INSTITUTE  |
| <b>Electrical Engineering Department</b>              |   |          |   |
| Dr. R J Motiyani                                      | Examination Reforms   | 1 Week   | AICTE   |
| Dr. R J Motiyani                                      | Mentor Training Programme   | 2 Weeks  | AICTE & National Initiative for Technical Teacher Training (NITTT)  |
| Prof. Bhavesh S. Patel                                | Micro grid, Electrical vehicles and Allied areas  | 1 Week   | Electrical & Electronics Engineering Department, Kakatiya Institute of Technology & Science Warangal                        |
| Prof. Bhavesh S. Patel and<br>Prof. Dharmishtha Patel | Hands on Creating & Managing Online Teaching Tools for Teachers   | 3 Days   | Electrical Engineering Department S. N. Patel Institute of Technology & Research Centre Umrakh                              |
| Prof. Bhavesh S. Patel and<br>Prof. Dharmishtha Patel | Energy & Sustainable Development  | 1 Week   | Electrical Engineering Department N. G. Patel Polytechnic Bardoli   |
| Prof. Dhruvang Gayakwad                               | Research Opportunities in Power Engineering (ROPE -2020)  | 1 Week   | Department of Electrical & Electronics of CMR College of Engineering & Technology   |
| Prof. Ankur P Desai                                   | Neural Network and Deep Learning  | 4 Weeks  | Coursera  |
| Prof. Ankur P Desai                                   | Programming for Everybody (Getting Started with Python)   | 7 Weeks  | University of Michigan through Coursera   |
| Prof. Ankur P Desai                                   | Linear Regression with NumPy and Python   | 1 Week   | Coursera  |
| Prof. Dhruvang Gayakwad                               | Introduction to Battery Management Systems  | 4 Weeks  | University of Colorado on Coursera  |
| Prof. Khyati Naik<br>Prof. Jay Desai                  | Machine Learning for All  | -        | University of London offered thorough Coursera  |
| Prof. Khyati Naik<br>Prof. Jay Desai                  | Programming for Everybody (Getting Started with Python)   | -        | University of Michigan and offered thorough Coursera  |
| Prof. Khyati Naik<br>Prof. Jay Desai                  | Python Data Structure   | -        | University of Michigan and offered thorough Coursera  |
| Prof. Khyati Naik<br>Prof. Jay Desai                  | Machine Learning for Absolute Beginners-Level1  | -        | Udemy platform  |
| Prof. Dhruvang Gayakwad                               | E-learning program on PLCs  | 1 Day    | Tata Steel platform   |
| Prof. Khyati Naik<br>Prof. Jay Desai                  | Machine Learning  | -        | Tata Steel platform   |
| Prof. Jay Desai                                       | Basic TQM   | -        | Tata Steel platform   |

| Faculty Name                       | Topic/ Course Name  | Duration | Organizer Name   |
|------------------------------------|---|----------|--|
| Prof. Khyati Naik                  | Power System Transmission and Distribution                            | -        | Tata Steel platform  |
| Prof. Khyati Naik                  | Power System Generation   | -        | Tata Steel platform  |
| Prof. Khyati Naik                  | PLCs  | -        | Tata Steel platform  |
| Prof. Ankur P Desai                | Implementation of Advanced Optimization Techniques using MATLAB       | 1 Week   |  |
| Prof. Dharmishtha Patel            | MATLAB based Teaching –Learning in Mathematics, Science & Engineering | 1 Week   |  |
| <b>CivilEngineering Department</b> |   |          |  |
| Dr. Bhavin G. Patel                | Infrastructure Development Possibility and Challenges Ahead           | 1 Week   | Department of Civil Engineering, New Horizon Institute of Technology and Management, Thane, Mumbai   |
| Dr. Bhavin G. Patel                | Innovation and Upgradation in Infrastructural Technology              | 1 Week   | Department of Civil Engineering, TEC in association with ASTR, Krishna Conchem Products, Rachana Enterprises and Student Chapter ICACI & IEI |
| Dr. Bhavin G. Patel                | Teaching in Uncertain Times: Opportunities and Challenges             | 1 Week   | GTU and Babaria Institute of Pharmacy, Vadodara during   |
| Dr. Bhavin G. Patel                | Recent Advances in Structural Engineering                             | 1 Week   | Sardar Vallabhbhai National Institute of Technology, Surat   |
| Prof. Sunil Jaganiya               | Indo-China Research Webinar Series                                    | 2 Week   |  |
| Prof. Sunil Jaganiya               | Innovation and Upgradation in Infrastructural Technology              | 1 Week   |  |

### Webinar/Online Lecture Organized/Delivered

| Faculty Name  | Topic/ Course Name  | Organizer Name   |
|---|---|--|
| <b>ASH Department</b>                                     |   |  |
| Dr. Shailesh S. Patel                                     | Mathematics in Real life  | GIDC Degree Engineering College, Navsari               |
| Dr. Shailesh S. Patel                                     | PDE formation, linear PDE and its solution, algebraic structure, finding CF, finding PI, Method of undetermined multipliers, Method of variation of parameters, solving recurrence relationship, partial differentiation, Fourier transform, Series solution by using various online tools. | GIDC Degree Engineering College, Navsari               |
| Dr. Shailesh S. Patel                                     | Abstract Algebra  | R.N.G.P.I.T, Bardoli                                   |
| Prof. Harshal G. Vashi                                    | Campus to Corporate   | GIDC Degree Engineering College, Navsari               |
| Prof. Harshal G. Vashi                                    | Basics of Intellectual Property Rights" (9th May)   | GTU Approved, GIDC Degree Engineering College, Navsari |
| Prof. Harshal G. Vashi                                    | Basics of Intellectual Property Rights" (11th April)  | GTU Approved, GIDC Degree Engineering College, Navsari |
| Prof. Harshal G. Vashi                                    | Employability Skills  | R.N.G.P.I.T, Bardoli                                   |
| Prof. Harshal G. Vashi                                    | Resume Building   | R.N.G.P.I.T, Bardoli                                   |
| <b>Civil Engineering Department</b>                       |   |  |
| Shri. Kaushik Patel<br>CEO, CADD-Center,<br>Valsad & Vapi | Essential for CAD & AUTOCAD for Engineering   | Dr. N D Sharma, GDEC                                   |

| Faculty Name   | Topic/ Course Name   | Organizer Name       |
|--|--|----------------------|
| Ms.Dipti Tak<br>Sr.CADD Engineer,<br>CADD Center, Valsad                                       | Exploring Revit for Civil Engineering at Glance                    | Dr. N D Sharma, GDEC |
| Dr. Manjurall Balya<br>Asst. Prof., Govt. Engg. College, Patan                                 | Advanced Technology of Pedestrian Crossing System for Future India | Prof. Rajan Lad      |
| Dr. B. K. vendhan<br>Asso. Prof., SVNIT Surat  | Reinforced concrete corrosion and its measurement methods          | Prof. Nilesh Parmar  |
| Dr. Bhavin G. Patel<br>Associate Professor & Head, Civil-Engineering Department, GDEC, Navsari | Innovation- Self Compacting Concrete                               | Dr. Bhavin G. Patel  |
| Dr. Bhavin G. Patel  | Compression Member   | Dr. Bhavin G. Patel  |

### Webinar conducted

| Faculty Name/Expert   | Event Name   | Organized By   | Organized on    |
|---|--|--|-----------------|
| <b>Automobile Engineering Department</b>                        |  |  |                 |
| Prof. Ashish O. Jain  | 5S Technique   | Automobile Engineering Department of GIDC Degree Engineering College             | 28th April 2020 |
| Prof. Kenal D. Tandel   | Basics of Control System and Sensors in Robotics         | Automobile Engineering Department & SSIP Cell of GIDC Degree Engineering College | 1st May 2020    |
| <b>Computer Engineering Department</b>                          |  |  |                 |
| Prof. Vijay Kumar Radadiya,<br>T & P Officer, SSASIT, Surat     | Effective Presentation Skills                            | Computer Engineering Department of GIDC Degree Engineering College               | 11th May 2020   |
| Mr. Jigar Thakkar,<br>Sr. Technician Trainer, TOPS Technologies | Python with Django                                       | Computer Engineering Department of GIDC Degree Engineering College               | 13th May 2020   |
| Prof. Brijesh Patel, Prof. Tejas Patel                          | Introduction to Internet of Things (IoT)                 | -  | -               |
| Dr. Mahesh Goyani,<br>Asst. Prof., GEC, Modasa                  | Image Processing : Pixel to Project                      | Computer Engineering Department of GIDC Degree Engineering College               | 17th June 2020  |
| Prof. AKhilesh Ladha,<br>Lecturer, RCTI, Ahmedabad              | Basics of Machine Learning and its Industrial Importance | Computer Engineering Department of GIDC Degree Engineering College               | 6th June 2020   |

### Webinar Co-ordinated

| Faculty Name                         | Event Name                                       | Organized By   | Organized on |
|--------------------------------------|--|--|--------------|
| Prof. Toral Patel,<br>Dixit R. Patel | Basics of Control System and Sensors in Robotics | Automobile Engineering Department & SSIP Cell of GIDC Degree Engineering College | 1st May 2020 |

#### **Electrical Engineering Department**

- A one Day webinar on “Improved Power Quality Convertors” was organized on 06.06.2020. Webinar was coordinated by Prof. Harshal G Vashi under the guidance of Dr. Shailesh S Patel. The session was conducted by Dr. Pramod S Modi, Associate Professor, Technology & Engineering, The M S University of Baroda, Vadodara.
- A one Day webinar on “Multi Phase Induction Motor” was organized on 19.06.2020. Webinar was coordinated by Prof. Ankur Desai under the guidance of Dr. R J Motiyani. The session was conducted by Dr. Archana Nanoty, Principal, Madhuben & Bhanubhai patel Institute of Technology, V V Nagar.

#### **Mechanical Engineering Department**

- Mechanical Engineering Department, GIDC Degree Engineering College Navsari successfully completed webinar on “ 8D- A Problem solving tool” on 16th May 2020. Er. Manish Chauhan, Corporate General Manager- Human Resource, NHB ball and Roller Ltd. Amalsad was invited as expert speaker. More than 50 students and staff members had attended webinar.
- Mechanical Engineering Department, GIDC Degree Engineering College Navsari successfully completed webinar on “Employability Skills for Mechanical Engineers” on 21st May, 2020. Er. Jigar Naik (B.E., Mechanical Engineering, M.B.A., worked with J.K. Paper, Pidilite Industries and Meril Life Science) was invited as expert speaker. More than 55 students and staff member had attended webinar. This webinar is very useful for students to improve their Employability skill.
- Mechanical Engineering Department, GIDC Degree Engineering College Navsari successfully completed webinar on “Modeling and Analysis of Mechanical System using Solid-works ” on 22nd May 2020. The webinar was coordinated by Dr. H.S. Patil and Dr. D.C. Patel. Dr. D.C. Patel was expert speaker for webinar. More than 40 students and staff member had attended webinar. This webinar students learned about application Solid-work for Mechanical Systems.



**Participated in Online Quiz**

| Faculty Name   | Quiz Name  | Organized By   |
|--|--|--|
| Prof. Mihir A. Mishra  | COVID-19 Awareness Program and Quiz Competition  | Laxmi Institute of Technology, Sarigam under the UBA   |
| Prof. Kushal D. Patel  | We care for our Environment  | SCET   |
| Prof. Dhruvang Gayakwad  | Electrical & Electronics Engineering   |  |
| Prof. Dhruvang Gayakwad  | COVID19 Awareness  | Rotaract Club of ROCOE   |
| Prof. Hitesh C. Rana   | We Care for Our Environment  | SCET   |
| Prof. Harsh R. Naik  | We care for our Environment  | SCET   |
| Prof. Ashish O. Jain   | Application of Hydraulic and Pneumatic system in Automation Quiz   | MED, CGPIT, UTU, Bardoli   |
| Prof. Ashish O. Jain   | Quiz on COVID 19   | MyGov  |
| Prof. Ashish O. Jain   | COVID-19 Awareness Program and Quiz Competition  | LIT, Sarigam under the UBA, a flagship program of MHRD, GOI & IIT Delhi                              |
| Prof. Ashish O. Jain   | National Level Quiz Competition on COVID - 19  | IQAC of Vanita Vishram Women's College of Commerce, Surat  |
| Prof. Ashish O. Jain   | COVID – 19 Awareness Program   | CGPIT, UTU, Bardoli, Surat   |
| Prof. Mayur Jalanapurkar   | Research Schemes & Funding Awareness Quiz  | NHITM, Thane   |
| Prof. Ashish O. Jain   | COVID – 19 Awareness Program   | DKTE Society's Textile & Engg. Institute, Ichalkaranji   |
| Prof. Ashish O. Jain   | Awareness Programme & Quiz competition on COVID 19   | NVPCPAS, Vvnagar   |
| Prof. Ashish O. Jain   | National Level English Grammar Proficiency Quiz  | S. S. Agrawal Institute of Engineering & Technology, Navsari   |
| Prof. Kenal D. Tandel  | State level Sports Awareness Quiz 2020   | Government Science College Chikhali  |
| Prof. Ashish O. Jain   | Learning Outcomes of COVID-19 Survey   | SCES's Indira College of Pharmacy, Pune  |
| Prof. Ashish O. Jain   | National Level online COVID - 19 Awareness QUIZ 2020   | V.N.S.G.U. Shaikshik Sangh- Surat  |
| Prof. Ashish O. Jain   | Online Survey on Lockdown: A Golden Opportunity to Boost e-learning & Intensifying online Education in India | Dr.Vedprakash Patil Educational Campus Osmanabad   |
| Prof. Ashish O. Jain   | Online General Knowledge Quiz on Covid-19 & World Environment Day  | Dept. of Library & IQAC of S. R. M. College of Social Work, Nagpur Road, Padoli, Chandrapur          |
| Prof. Ashish O. Jain   | Online quiz on “Basics of Research Methodology”  | Dept. of Management, AIGS, Bengaluru   |
| Prof. Ashish O. Jain   | COVID-19 Awareness Programme   | IQAC and NSS Unit of Arts and Commerce College, Ashta  |
| Prof. Ashish O. Jain   | Quiz on Chemistry in our Daily Routine   | Dept. of Chemistry, CASC   |
| Prof. Ashish O. Jain   | Environmental Awareness  | “Environmental Club” of Dept. of Civil Engineering, DYPIEMR, Akurdi, in collaboration with ECA, Pune |
| Prof. Ashish O. Jain   | Online General Knowledge Quiz  | KCDCC, Guwahati  |
| Prof. Ashish O. Jain   | DBT Star College Scheme sponsored quiz on World Environment Day 2020   | HCAS, Coimbatore   |
| Prof. Mayur Jalanapurkar   | We Care for Our Environment  | SCET, Surat  |
| Prof. Ashish O. Jain   | Quiz on World Environment Day  | Dept. of ASH in association with Dept. of CE, RCE, Ambedkar Nagar (UP)                               |
| Prof. Ashish O. Jain,<br>Prof. Sunil Khokhar,<br>Prof. Mayur Jalanapurkar,<br>Prof. Kenal D. Tandel,<br>Dixit R. Patel | “How Much you know vehicles Around You?”   | Automobile Engineering Dept., M. H. Saboo Siddik College of Engineering                              |
| Prof. Ashish O. Jain   | Awareness Quiz on effect of Renewable Energy sources on society and environment in India                     | Dept. of ASH, RCE, Ambedkar Nagar (UP)   |
| Prof. Ashish O. Jain   | Online Quiz on “Refrigeration and Air Conditioning”  | MED, BIET, Hyderabad   |
| Prof. Rajan Lad  | COVID19  |  |

**MCQ Test conducted**

| Faculty Name  | Semester | Subject | No. of Test |
|---|----------|---------|-------------|
| Dr. D. C.Patel, Prof. Hitesh C. Rana, Prof. Dhaval S. Chaudhri          | 8        | PDVE    | 1           |
| Prof. Daksh R. Tandel, Prof. Bruhad S. Naik, Prof. Krunal A. Hathiwala  | 8        | REE     | 1           |
| Dr. H. S.Patil, Prof. Bharat H. Gajera                                  | 6        | DOM     | 2           |
| Prof. Hariketan B. Patel, Prof. Akash A. Patel                          | 6        | CAD     | 1           |
| Prof. Daksh R. Tandel, Prof. Dharmik A. Patel                           | 6        | RAC     | 1           |
| Prof. Bruhad S. Naik, Prof. Krunal A. Hathiwala                         | 6        | ICE     | 1           |
| Prof. Harsh R. Naik, Prof. Bharat H. Gajera                             | 6        | IE      | 2           |
| Prof. Dhaval S. Chaudhri, Dr. D. C.Patel                                | 4        | MMM     | 1           |
| Prof. Bharat H. Gajera, Prof. Hitesh C. Rana                            | 4        | FMD     | 3           |
| Prof. Harsh R. Naik, Prof. Dhaval S. Chaudhri                           | 4        | MP      | 4           |
| Prof. Bruhad S. Naik, Prof. Krunal A. Hathiwala, Prof. Dharmik A. Patel | 4        | FMHM    | 1           |
| Prof. Hariketan B. Patel, Prof. Hitesh C. Rana, Prof. Daksh R. Tandel   | 2        | BME     | 3           |
| Prof. Akash A. Patel, Prof. Dharmik A. Patel                            | 2        | EGD     | 4           |

**Online Video Lecture Conducted**

| Faculty Name             | Semester | Subject | No. of Online Video Lectures |
|--------------------------|----------|---------|------------------------------|
| Prof. Mihir A. Mishra    | 4        | OOP-I   | -                            |
| Prof. Hariketan B. Patel | 6        | CAD     | 5                            |
|                          | 2        | BME     | 7                            |
| Prof. Bharat H. Gajera   | 6        | DOM     | 2                            |
| Prof. Hitesh C. Rana     | 2        | BME     | 15                           |
| Prof. Bruhad S Naik      | 4        | FMHM    | 3                            |
| Prof. Harsh R. Naik      | 4        | MP      | 4                            |
|                          | 6        | PT      | 4                            |
|                          | 6        | IE      | 6                            |
| Prof. Dharmik A. Patel   | 6        | RAC     | 4                            |
|                          | 4        | FMHM    | 3                            |
|                          | 2        | EGD     | 26                           |

## Assignment and material Provided

| Faculty Name  | Semester | Subject | No. of Assignment/ Material   |
|---|----------|---------|---|
| <b>Computer Department</b>  |          |         |   |
| Prof. Mihir A. Mishra   | 4        | OOP – I | —   |
| Prof. Mihir A. Mishra   | 8        | AI      | —   |
| <b>Mechanical Department</b>  |          |         |   |
| Dr. D. C.Patel, Prof. Hitesh C. Rana, Prof. Dhaval S. Chaudhri          | 8        | PDVE    | -1 Assignment<br>-Lecture Notes Provided<br>-MCQ Question bank Provided                             |
| Prof. Daksh R. Tandel, Prof. Bruhad S. Naik, Prof. Krunal A. Hathiwala  | 8        | REE     | -1 Assignment<br>-Lecture Notes Provided<br>-MCQ Question bank Provided                             |
| Dr. H. S.Patil, Prof. Bharat H. Gajera                                  | 6        | DOM     | -8 Assignment<br>-Lecture Notes Provided<br>-MCQ Question bank Provided                             |
| Prof. Hariketan B. Patel, Prof. Akash A. Patel                          | 6        | CAD     | -8 Assignment<br>-Video tutorial Provided<br>-Lecture Notes Provided<br>-MCQ Question bank Provided |
| Prof. Daksh R. Tandel, Prof. Dharmik A. Patel                           | 6        | RAC     | -6 Assignment<br>-Lecture Notes Provided<br>-MCQ Question bank Provided                             |
| Prof. Bruhad S. Naik, Prof. Krunal A. Hathiwala                         | 6        | ICE     | -6 Assignment<br>-Lecture Notes Provided<br>-MCQ Question bank Provided                             |
| Prof. Harsh R. Naik, Prof. Bharat H. Gajera                             | 6        | IE      | -1 Assignment<br>-Lecture Notes Provided<br>-MCQ Question bank Provided                             |
| Prof. Harsh R. Naik, Prof. Hariketan B. Patel                           | 6        | PT      | -10 Assignment<br>-Lecture Notes Provided<br>-MCQ Question bank Provided                            |
| Prof. Dhaval S. Chaudhri, Dr. D. C.Patel                                | 4        | MMM     | -5 Assignment<br>-Lecture Notes Provided<br>-MCQ Question bank Provided                             |
| Prof. Bharat H. Gajera, Prof. Hitesh C. Rana                            | 4        | FMD     | -4 Assignment<br>-Lecture Notes Provided<br>-MCQ Question bank Provided                             |
| Prof. Harsh R. Naik, Prof. Dhaval S. Chaudhri                           | 4        | MP      | -6 Assignment<br>-Lecture Notes Provided<br>-MCQ Question bank Provided                             |
| Prof. Bruhad S. Naik, Prof. Krunal A. Hathiwala, Prof. Dharmik A. Patel | 4        | FMHM    | -4 Assignment<br>-Lecture Notes Provided<br>-MCQ Question bank Provided                             |
| Prof. Hariketan B. Patel, Prof. Hitesh C. Rana, Prof. Daksh R. Tandel   | 2        | BME     | -7 Assignment<br>-Lecture Notes Provided<br>-MCQ Question bank Provided<br>-Video tutorial Provided |
| Prof. Akash A. Patel, Prof. Dharmik A. Patel                            | 2        | EGD     | -4 Assignment<br>-MCQ Question Bank<br>-Lecture Notes Provided                                      |

## Student's Achievement

| Name            | Semester | Title   | Organized by  |
|-----------------|----------|---|---|
| Soham Doshi     | 8        | Webinar on "Future trends in Academic"  | MBIT-ARIBAS –SMAID-CZPCBM (The Constituent college of CVM University) |
|                 |          | Webinar on "Challenge and opportunity after this pandemic situation of COVID-19 through the Industrial Prospective" | GTU   |
|                 |          | Webinar on " The power of You"  | ICT Academy   |
|                 |          | Webinar on "Entrepreneurship Mindset"   | GTU   |
|                 |          | WEBINAR ON " Career Opportunity after BE/ ME /MBAB.VOC post COVID and how to prepare yourself to take advantages"   | GTU & RNGPIT  |
|                 |          | Webinar on "Relevance of Ancient Indian Technology in Modern Era."  | GTU - Graduate School of Engineering & Technology                     |
|                 |          | Online courses on "Career Edge- knockdown the lockdown"   | TCS iON   |
|                 |          | Webinar on "Digital Transformation Fundamentals"  | GTU   |
|                 |          | Webinar on "Essential skill for Jobs in a Post-COVID 19 World"  | TATA TPSDI  |
| Chinmay Jain    | 4        | Webinar on " Mathematics in Real Life"  | GDEC  |
|                 |          | Webinar on "Envisioning the Future"   | ICT Academy   |
| Bhonsle Sunny   | 4        | Participate in online quiz competition on "We care for our Environment"   | SCET  |
| Jadhav Abhay    | 8        | Webinar on "Campus to Corporate"  | GDEC  |
|                 |          | Online courses on "Career Edge- knockdown the lockdown"   | TCS iON   |
|                 |          | Workshop on "3D EM Simulation involving CST software and R&S VNA and Instrument"                                    | GTU   |
|                 |          | Webinar on " Future trends in AI"   | GTU - Graduate School of Engineering & Technology                     |
|                 |          | WEBINAR ON " Career Opportunity after BE/ME /MBAB.VOC post COVID and how to prepare yourself to take advantages"    | GTU & RNGPIT  |
|                 |          | Webinar on "Relevance of Ancient Indian Technology in Modern Era."  | GTU - Graduate School of Engineering & Technology                     |
| Jayesh Sonawale | 8        | Workshop on "3D EM Simulation involving CST software and R&S VNA and Instrument"                                    | GTU   |

## Industrial/Technical Visit

### J.P. Ice Factory, Navsari

On 13th March, 2020, 27 students of 6th semester of Mechanical Engineering Department visited J.P. Ice factory at Navsari. The visit was coordinated by Prof. Daksh R. Tandel and Prof. DHarmik A. Patel. Students visited Ammonia based



Ice plant and got knowledge about its working and different components like compressor, separator, condenser, receiver, expansion device, evaporator and cooling tower. The visit became very useful tool for students to enhance the knowledge of their subject Refrigeration and Air Conditioning.

### Sardar Patel Renewable Energy Research Institute (SPRERI), Vallabh Vidhyanagar, Anand

On 14th February, 61 students of 4th year, Mechanical Department visited Sardar Patel Renewable Energy Research Institute (SPRERI) located at Vallabh Vidhyanagar, Anand. Visit was co ordinated by Faculties- Daksh R Tandel, Bruhad S Naik and Aakash A Patel. Visit was arranged to enhance the knowledge of students of



Renewable Energy Engineering field. Ms. Shradhdha Pandya and Mr. Paresh Mer from SPRERI, guided students during visit. Research related to Solar energy and Biogas energy was presented to students by researcher. Students observed and understand about Evacuated solar water heater, Flat plate solar collector, Box type solar cooker, Solar cooker with parabolic concentrator, Solar cooker with scheffler concentrator, Solar refrigerator, Solar cold room, Solar distillation, Solar dryer, Solar water pumping, Intermittent and continuous pyrolysis of Biomass, Flexible bag type Biogas plant and floating drum type biogas plant.

### Him Ganga Cold Storage-Navsari

An industrial visit to Him Ganga Cold Storage (Navsari) was arranged on 04th January 2020. Total 15 students visited cold storage. Industrial Visit was coordinated by Prof. Daksh R, Tandel. Students observed and understood the working of Ammonia based cooling plant. Cold storage is being used for preservation of different grains. Along with cold storage, same cooling plant is being used for ice manufacturing process. Mr. Mukesh



Virda sir has given information regarding working of cold storage. By permission of Virda sir, we also visited nearby water tank manufacturing plant and food processing plant. Visit was coordinated by Mechanical department and ISHRAE( Indian Society of Heating Refrigeration and Air conditioning).

### Omeel coils-Pipodara(Surat) Gujarat

On 11th January, 30 students visited Omeel coils. Located at Pipodara. Industrial Visit was coordinated by Prof. Daksh R, Tandel. OMEEL Coils is one of the distinguished names engaged in manufacturing, supplying and exporting of broad range of Heat Exchangers, Commercial and Industrial Coils like air/water cooled condensers, evaporator (chiller) for refrigeration and air conditioning unit. Students observed working of fin manufacturing machine, Shell and tube heat exchanger and chiller. Mr. Bharat Savaliya sir explained working of all machine in detail. Visit was coordinated by Mechanical department and ISHRAE( Indian Society of Heating Refrigeration and Air conditioning).



### J K Paper Ltd, Songadh

The Third year of Mechanical Engineering students visited to J K Paper mill at Songadh plant on dated 11th January, 2020 and about 42 students with three staff members: Prof. Dr. H. S. Patil, Dr. D C Patel and Mr. Brijesh Patel visited the plant. J K Paper is leading manufacturing company, using following machines for making paper from wood. Students also visited 30 MW



Thermal power plant along with paper plant. We also have fruitful meeting with Maintenance Head Mr. Nitin Dodia and discussed how could be plan for vocational training of pre-final year students and campus placement for final year mechanical engineering students.

### Laxmi cine magic-Navsari

An industrial visit to Laxmi Cine Magic (Navsari) was arranged on 10th December 2019. Industrial Visit was coordinated by Prof. Daksh R, Tandel. Total 25 students visited and understood working of package AC plant and function of each and every component. They also got information regarding distribution of supply air and return air in Package AC plant. Visit was permitted and conducted by Mr. Mukesh Naik (Owner-Laxmi Cine Magic). Mukesh Sir having a rich experience in HVAC field and shared his experience. Visit was coordinated by Mechanical department and ISHRAE(Indian Society of Heating Refrigeration and Air conditioning).



### Rotech fans and Rolastar Pvt. Ltd.

On 15th December 30 students visited Rotech Fans and Rolastar Pvt. Ltd. Located at Bilimora. Industrial Visit was coordinated by Prof. Daksh R, Tandel. Visit became useful for the enhancement of students knowledge regarding - Motor windings, Fan balancing, Fan testing, Manufacturing techniques



of spiral duct, Oval duct, Damper, Grille and Diffuser. In visit, students were guided by Mr. Hemant Surati(HR Manager-Rolastar). Hemant Sir gave information regarding job opportunity in Duct manufacturing field. Visit was coordinated by Mechanical department and ISHRAE( Indian Society of Heating Refrigeration and Air conditioning).

### Technical Visit

•One day technical visit arranged by Prof. Vikunj Tilva, Prof. Sunil Jaganiya and Prof. Jaldip Patel on 24/12/2019 at private construction site near Abrama village for pre-final year students for better understanding a subject of elementary structure design and practical accept of R.C.C design (structural drawing details) as well as construction technique demonstration.



•Prof. Hemina Patel and Prof. Vikunj Tilva organised one day technical visit on 21st January 2020 at Water Treatment Plant at GIDC Vapi, Common Effluent Treatment Plant (CETP) and Solid Waste Management at VAPI GREEN ENVIRO LIMITED for 6th semester students of Civil Engineering Department. The visit organized in prospective of 6th semester subject "Water and Wastewater Treatment Engineering (2160604)".



•Prof. Krutika Chauhan organised two days technical visit on 6th and 7th February 2020 in which 72 students and 6 faculty members (Dr. Bhavin patel, Prof. Sunil Jaganiya, Prof. Pritesh Rathod, Prof. krutika Chauhan, Prof. Jaldip Patel and Miss. Foram Patel) visited the Sardar Sarovar Dam and Statue Of Unity. The visit organized in prospective of 4th semester subject "Fluid Mechanics and Hydraulics (3140611)" and 6th semester subject "Applied Fluid Mechanics (2160602)".



•One day technical visit arranged by Prof. Nilesh Parmar, Prof. Sunil Jaganiya, Prof. Rajan Lad and Prof. Jaldip Patel on 09/03/2020 at GSRTC Navsari bus station construction site for final year students for better understanding a subject of design of reinforced concrete structure and construction management as well as construction technique demonstration.