



Mechanical Engineering Department



From Department Head

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It is pleasure to release this issue (2020-21, issue 2) of department e-newsletter. This semester also we put all our efforts to continue online teaching-learning through various medium ensuring students academics do not get affected. And the same time they remain refreshed during lockdown. Faculty members also attended many online webinars and faculty development programs and kept themselves productively engaged. The highlight of this semester is conduction of AICTE & ISTE sponsored Faculty Refresher Course on Current Trends in Industrial Engineering. The programme was conducted online in three phases, each of one week. Efforts of coordinators Dr. Vivek Deshpande, Dr. Mehul Gor and Dr. Hemant Thakkar need to be applauded. This issue is featuring experience sharing by one of the esteemed alumni Hitesh Thawani, BE Mechanical Engineering (2017-2020). We are very eager to have such memory sharing from all our alumnae.



Editor's Note

"I hear and I forget, I see, and I remember, I do, and I understand"- Confucius. The most inspiring thought which leads us to become a good learner. But, due to frequent lockdown and unlock type of scenario in the current semester, it was difficult for the students to perform and learn. In, presence of many such challenging scenario our students have tried to learn as much as possible, and their cooperation in this online-offline mode of learning is highly appreciated. Also, all the faculty members have made their utmost attempts to make this *new mode* of learning very interesting for the students, by using modern IT Tools. During the current semester we conducted AICTE-ISTE sponsored refresher program in 3 phases, alumni talk and virtual industrial visits. With applauding note for Faculties and students, I am ecstatic to release this 2nd issue of Newsletter for AY-2020-21.

1. AICTE-ISTE Sponsored Induction/Refresher Program on “Current Trends in Industrial Engineering” Phase I

Department has organized AICTE-ISTE Sponsored Induction/Refresher Program on “Current Trends in Industrial Engineering” during 2nd to 8th March 2021 (online mode). Total 50 delegates from 30 Engineering Institutes and across 7 different states (Gujarat, Maharashtra, Karnataka, Jammu, Madhya Pradesh, Uttar Pradesh and Delhi) participated in the program.

Eminent personalities like Prof. (Dr.) Ashok K Pundir (NITIE-Mumbai), Dr. E. V. Gijo (ISIBangalore), Dr. Santosh Rane (SPCE-Mumbai), Dr. Pravin Tambe (IIM-Trichy), Dr. Akshay Pujara (GEC-Ahmedabad), Prof. N R Sarkar (Consultant), Dr. T N Desai (SVNIT-Surat), Dr. Ravi Kant (SVNIT-Surat), Dr. Rahul Dandage (RMCET-Ratnagiri), Dr. B E Narkhede (NITIE-Mumbai), Dr. M N Qureshi (Saudi Arabia), Dr. Mayur Khunti (Advocate), Mr. Japan Trivedi (CEO-Efforts Consulting), Dr. Mukesh Bulsara (GCET), Dr. Ketan Tamboli (GCET) and Dr. Hemant Thakkar (GCET) delivered expert talks. They had discussed various aspects of Industrial Engineering like Supply chain management, Six Sigma, Maintenance Planning, Industry 4.0, JIT, Design of Experiments, Total Quality Management, Value Engineering, Lean Manufacturing, Stress management and Applications of IE Tools & Techniques in Industries. Dr. Darshak Desai was the convener of the program. Dr. Vivek Deshpande, Dr. Hemant Thakkar and Dr. Mehl Gor were the Coordinators.

“Fear kills more dreams than failure ever will”
- Suzy Kassem



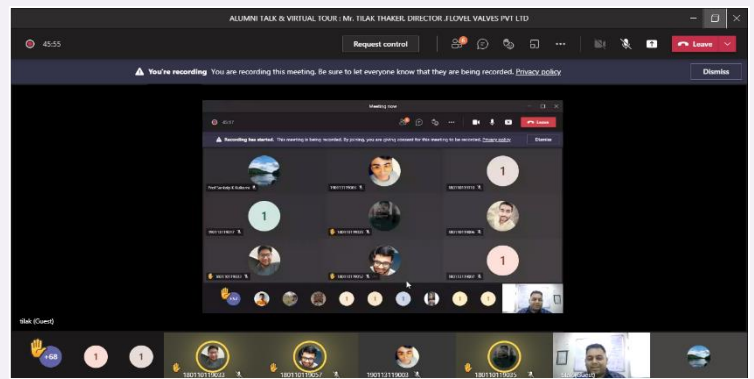
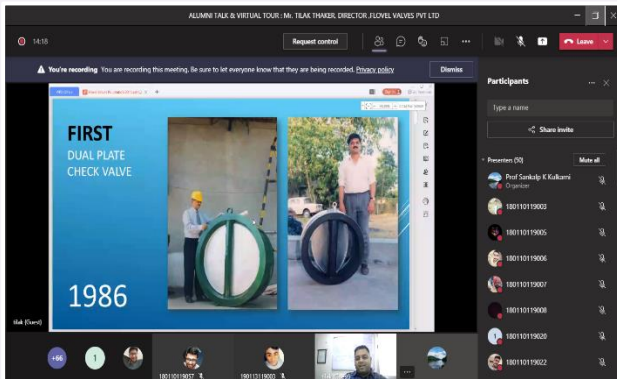
G H Patel College of Engineering & Technology
(A Constituent College of CVM University)
Mechanical Engineering Department

AICTE-ISTE Sponsored Refresher Program
“Current Trends in Industrial Engineering”
2nd ~ 8th March, 2021

 Col V (Guest)	 Dr S	 Ashok P	 Vijay V (Guest)
 Dr D			

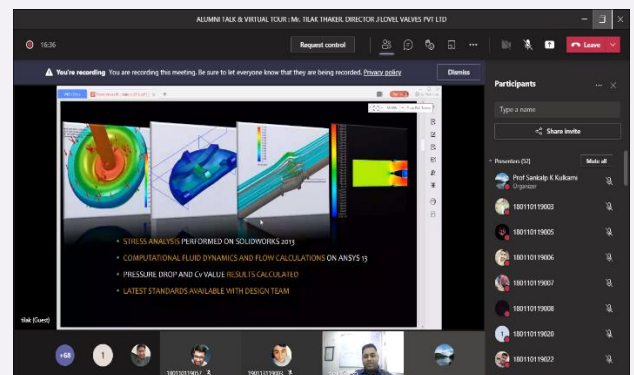
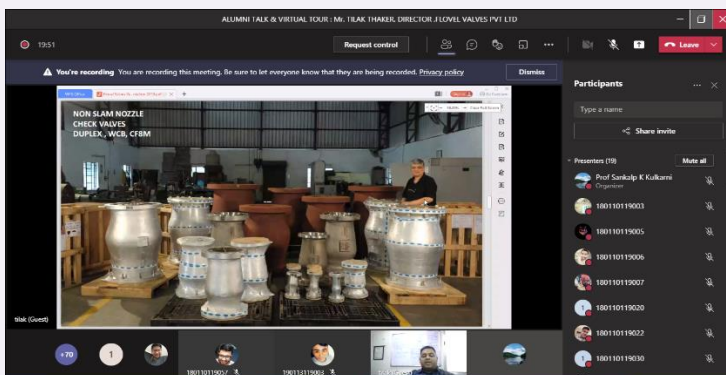
2. Alumni Talk on “Research trends in Renewable energy sources”

Alumni Talk by Mr. Tilak Thaker, Director, Flovel Valves Pvt. Ltd was arranged for third year Mechanical Engineering Students. The speaker discussed about his industrial experience and gave a talk on the topic "How to become Industry ready". There was a Question Answer session in the end in which he cleared many queries of the student related to industry, Job Scenario. He also gave a brief introduction of his company "Flovel Valves Pvt. Ltd".



3. Virtual Tour: Flovel Valves Pvt. Ltd.

A Virtual Tour to Flovel Valves Pvt. Ltd. Anand was arranged for third year Mechanical Engineering Students. The tour was guided by Director of the company Mr. Tilak Thaker. He spoke about the Company profile, Product information and process detail. All manufacturing and machining facilities available were shown and explained. In the end there was a Question and Answer session in which many queries of the student related to manufacturing, quality control , economics, inspection and testing were answered.



“To the optimist, the glass is half full. To the pessimist, the glass is half empty. To the engineer, the glass is twice as big as it needs to be. – Anonymous”

4. AICTE-ISTE Sponsored Induction/Refresher Program on “Current Trends in Industrial Engineering” Phase II

Mechanical Engineering Department of G H Patel College of Engineering & Technology (A Constituent College of CVM University), Vallabh Vidyanagar, Gujarat, India organized AICTE-ISTE Sponsored Induction/Refresher Program on “Current Trends in Industrial Engineering” during 14th to 20th April 2021 (online mode). Total 84 delegates from 66 Engineering Institutes and across 13 different states (Gujarat, Karnataka, Maharashtra, Tamilnadu, Andhra Pradesh, Chhattisgarh, Odisha, West Bengal, Assam, Jammu & Kashmir, Madhya Pradesh, Telangana, Uttar Pradesh) participated in the event.

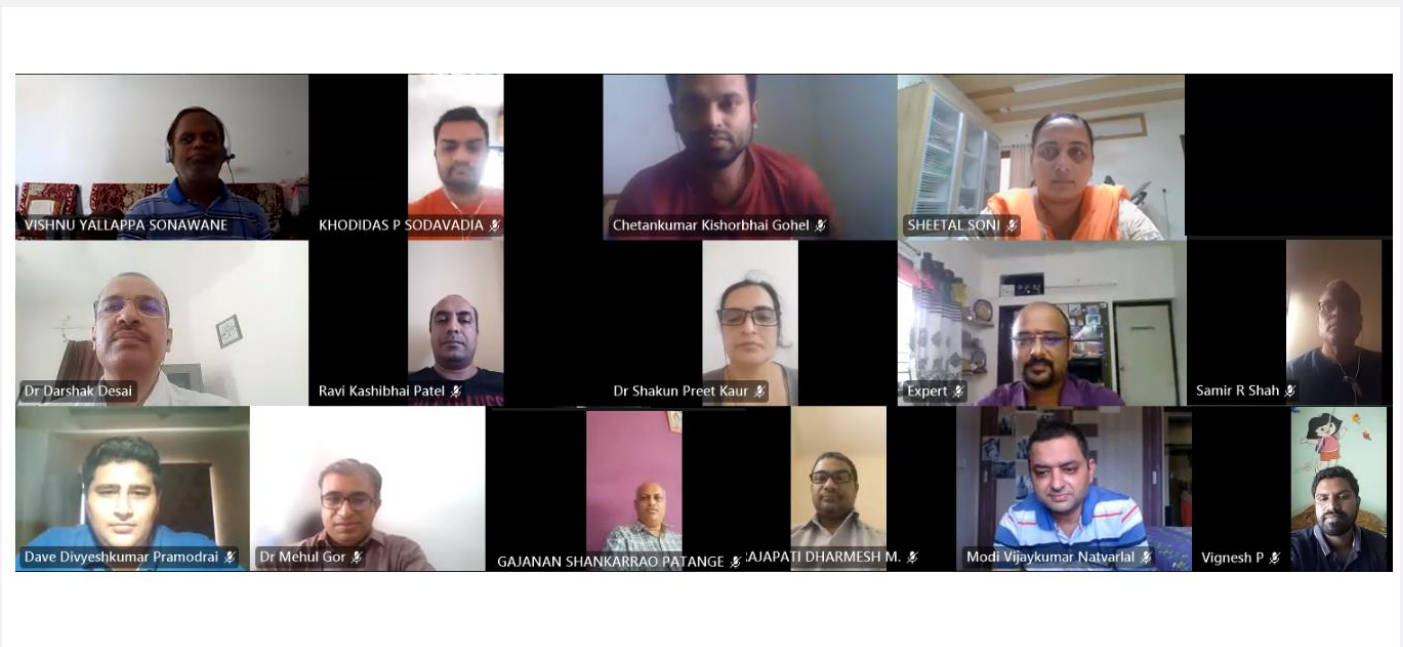
Eminent personalities like Dr. Dixit Garg (NIT-Kurukshetra), Prof. N R Sarkar (Consultant), Dr. Rauf Iqbal (NITIE-Mumbai), Dr. Sougata Karmakar (IIT-Guwahati), Dr. Ravi Kant (SVNITSurat), Mr. Japan Trivedi (CEO-Efforts Consulting), Dr. M N Qureshi (Saudi Arabia), Dr. B E Narkhede (NITIE-Mumbai), Dr. Gunjan Soni (MNIT-Jaipur), Dr. Mayur Khunti (Advocate), Dr. Pravin Tambe (IIM-Trichy), Dr. E. V. Gijo (ISI-Bangalore), Dr. Rakesh Raut (NITIE-Mumbai), Dr. Mehul Gor (GCET), Dr. Darshak Desai (GCET) and Dr. Vivek Deshpande (GCET) delivered expert talks. They had discussed various aspects of Industrial Engineering like Supply chain management, Taguchi Technique, Work System Design, Ergonomics, Industry 4.0, Total Productive Maintenance, Total Quality Management, Lean Manufacturing, Stress management, IoT-enabled Additive Manufacturing, Kano Model, Computerized layout optimization techniques. Dr. Darshak Desai was the convener of the program. Dr. Vivek Deshpande, Dr. Hemant Thakkar and Dr. Mehul Gor were the Coordinators.

The screenshot shows a Zoom meeting in progress. The main window displays a presentation slide with the following text: "G H Patel College of Engineering & Technology (A Constituent College of CVM University) Mechanical Engineering Department AICTE-ISTE Sponsored Refresher Program 'Current Trends in Industrial Engineering' Phase II - 14th ~ 20th April, 2021". Below the text is a photo of Col. B Venkat, Director, Faculty Development Cell, AICTE. The Zoom interface includes a top bar with "REC", "Current Trends in Industrial Engineering, Mechanical Department, GCET is presenting", "MS F and 19 more", "23:34", "10:11", and "You". The right side shows a grid of participants: Darshak Desai, Hemant Thakkar, Mehul Gor, Chintan Mazmudar, Col B Venkat, Dixit Garg, SANJEEV Gupta, DINESH SALUNKE, Anoop Kumar Sahu, Akarsh Jain, and Simesh Singh. The bottom bar shows "Inauguration & Keynote address-CTIE-2 ^", "Raise hand", and "Current Trends in Industrial E... is presenting".

5. AICTE-ISTE Sponsored Induction/Refresher Program on “Current Trends in Industrial Engineering” Phase III

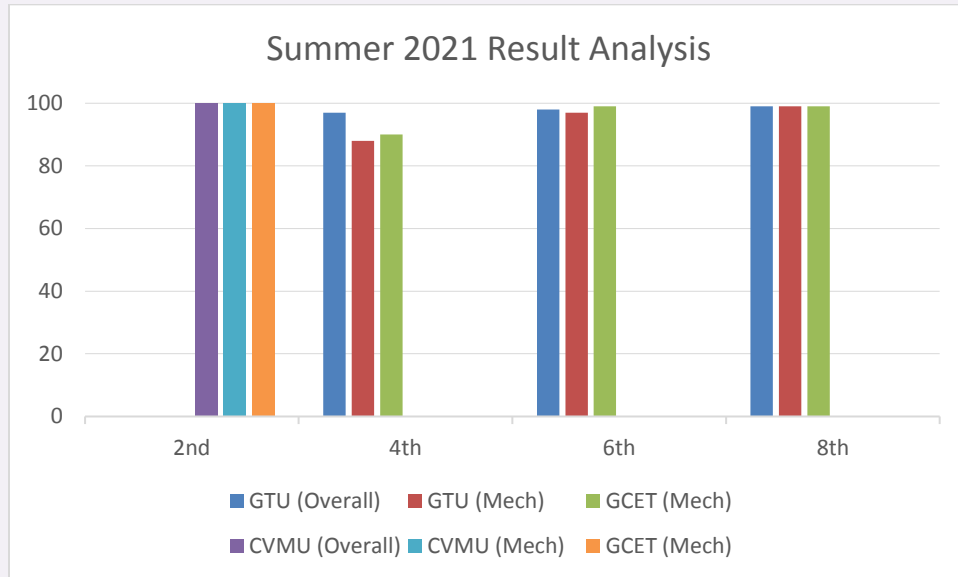
The Department organized the 3rd Phase of AICTE-ISTE Sponsored Induction/Refresher Program on “Current Trends in Industrial Engineering” during 22nd to 28th May 2021 (online mode). Total 76 delegates from 50 Engineering Institutes and across 13 States registered in this training programme.

Dr. Debkumar Chakrabarti, Professor, IIT-Guwahati graced the occasion as Chief Guest of inaugural function. Col B Venkat, Director – Faculty Development Cell, AICTE and Prof. Vijay Vaidya, Secretary, ISTE-New Delhi remained present in a virtual inauguration function. Col B Venkat appreciates the initiative taken by the institute and CVM. Prof. Vijay Vaidya explained the role of ISTE in training of faculties in technical education. He also emphasized on the importance of industrial engineering in manufacturing industries, distribution of goods and services, health care and other service sector enterprises.



Eminent personalities like Dr. Debkumar Chakrabarti (IIT-Guwahati), Dr. B.E. Narkhede (NITIE Mumbai), Dr. Sougata Karmakar (IIT-Guwahati), Mr. Japan Trivedi (CEO-Efforts Consulting), Dr. Gunjan Soni (MNIT-Jaipur), Prof. N R Sarkar (Consultant), Dr. Amit Raj Singh (NIT-Raipur), Dr. Pravin Tambe (IIM-Trichy), Dr. E V Gijo (ISI-Bangalore), Dr. Shashank Thanki (Nirma University), Dr. Rajendrasinh Jadeja (Director, HMPIETR), Dr. Savan Shah (Psychiatrist), Dr. Ravi Kant (SVNIT Surat), Dr. Rakesh Raut (NITIE-Mumbai) delivered expert talks. They had discussed various aspects of Industrial Engineering like Ergonomics, Lean Six Sigma, Occupational Safety, Health and Ergonomics, MCDM Techniques, IoT applications, Introduction to MATLAB, Service Quality etc. Dr. Vivek Deshpande, Dr. Hemant Thakkar and Dr. Mehul Gor were the coordinators.

Result analysis



Institute top Performers in GTU Summer 2021



Vivek Barot
12002090501046
8.9 SGPA in Sem 2nd



Kishan Patel
190110119056
8.87 SPI in Sem 4th



Yash Shah
200110119508
8.87 SPI in Sem 4th



Daksh Bhakhar
180110119006
9.87 SPI in Sem 6th



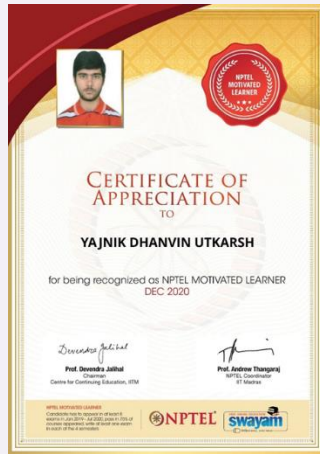
Das Sagarika Bibhutilal
170110119015
10 SPI in Sem 8th

“All failure is failure to adapt, all success is successful adaptation.”

-Max McKeown

STUDENT'S ACHIEVEMENT

1. Mr. Dhanvin Yajnik received certificate of appreciation from NPTEL for being 'Motivated Learner'



Mr. Dhanvin Yajnik, studying in VIIIth semester, Mechanical engineering, has received a certificate of appreciation for being recognized as "NPTEL MOTIVATED LEARNER" from National Programme on Technology Enhanced Learning (NPTEL). Such certificate is issued to students who have met various criteria like, who have appeared in at least 8 nos. of exams in 4 semesters, passed in 75% of courses appeared and at least one exam in each of the 4 semesters. Total 135 nos. of persons have obtained such certificate at national level, out of which 40 are students and rest are either professors / professionals, only two students from Gujarat state have received this certificate.

Placement Details

Total number of company visited	Total Number of Students Placed
14	46



GE Aviation

HLE Glascoat



From Alumnae



Mr. Hitesh Thawani
BE Mechanical Engineering
(2017-2020)

Myself, Hitesh Thawani, an alumni of BE Mechanical Engineering 2017-2020 batch.

Currently I am working for Thermax Ltd, Dahej unit in engineering department as a Graduate trainee.

My overall experience to date has been amazing. GCET has provided me with several opportunities to grow and explore my skills. The emphasis on sports along with education always helped me a lot. I have always found a positive and healthy environment and the professors are highly supportive.

GCET has training & placement department in the campus which is putting in all out efforts for organizing several training & placement activities throughout the academic year.