

Mechanical Engineering Department



From Department Head

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It is pleasure to release this issue (2019/20, issue 2) of department e-newsletter. The semester propelled in its usual pace till March 2020 and then we were under lockdown due to COVID19. However, we put all our efforts to continue online teaching-learning through various medium ensure 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. Though our regular activities stopped by March 2020, this issue contains reports of many good things. This issue is also featuring experience sharing by one of the esteemed alumni Mihir K Shah, ME Industrial Engineering (2015-2017) we are very eager to have such memory sharing from all our alumnae.



Editor's Note

“Life-Long learning” is the only tool for any human being to keep their minds young. In ‘Chanakya Niti’ learning is compared to ‘Kaam-dhenu’ (a cow who fulfill all the desires). It is said that if you always keep on learning along the journey of life then, that learning shall always be fruitful as ‘Kaam-dhenu’. With this newsletter there are many inspiring quotes based on life-long learning. It brings me immense pleasure to share with you this second edition of 2019-2020’s newsletter. During this semester due to ‘Covid-19’ Pandemic, all the teaching-learning activities were transferred to Online learning mode, which gave new horizons to learn new methods of teaching learning exercise. Hence this edition includes events organized till March beginning only. Also there are glimpses of online activities, at the end.

Programs Organized

1. Expert Talk delivered by Dr. Mukesh Bulsara

An Expert Talks was delivered by **Dr. Mukesh Bulsara**, Professor, Mechanical Engineering Department 16th November, 2019 at Vidya Dairy, Anand for final year Dairy Technology students.

Dr. Bulsara gave insights on various aspects of “Pneumatic system in dairy industry”. The session was very interactive and students of **Dairy Technology** got a new horizon to look upon.



*“Live as if
you were to
die
tomorrow.
Learn as if
you were to
live
forever.”*

*-Mahatma
Gandhi*

2. Speech delivered by Dr. Mukesh Bulsara.

Motivating speech was delivered by **Dr. Mukesh Bulsara**, Professor, Mechanical Engineering Department at SIX Units of 'M/s. **Indian Dairy Machinery Company Limited**' during 21st Nov. – 23rd Nov., 2019, in a program on 'Awareness on Quality'.



“One learns from books and example only that certain things can be done. Actual learning requires that you do those things.”

— Frank Herbert

3. A Talk on Career Prospect and Higher Education

Dr. Hiral A. Shah Professor at the **St. Cloud State University, Minnesota State (USA)** threw some light on the possibilities in Masters in Engineering Management field to Third Year Mechanical Engineering students. As deliberated by Prof. Shah in St. Cloud State University, an education is about far more than an education. It's a 100-acre campus along the scenic Mississippi River. There are more than 200 undergraduate programs of study and more than 60 graduate programs, holding nearly every available national accreditation. Founded in 1869, St. Cloud State has evolved into a comprehensive university. She also briefed about opportunities in the field from the career perspective and also in the field of research. Students took active interest and participated in interactive session.

Here are a few glimpses for the talk she delivered:



“Tell me and I forget, teach me and I may remember, involve me and I learn.”

— Benjamin Franklin

4. A guest Lecture on : Campus to corporate and Beyond

The world is undergoing a transformation. Majority of the students who will be making a debut in the corporate world in next 2-4 years are completely unaware with what's going on in the corporate world. **Mr. Purav Bhatt** is presently with SIEMENS (Sales and Marketing). He is basically a mechanical Engineer with a background of MBA in Marketing. He delivered a guest lecture on: Campus to corporate and Beyond for the students of 3rd year Mechanical Engineering Department as they will be encountering the Placement opportunity in their final year of engineering. Mr. Bhatt gives his insight from his experience and helps students with understanding on what corporate life entailed, helping them make a smoother transition and thus transform the journey from **campus to corporate** by influencing their learning curve. Students took active interest and participated in the interactive session.

*Study hard
what
interests you
the most in
the most
undisciplined,
irreverent
and original
manner
possible.”
— Richard
Feynman*



5. Promotion of Entrepreneurship Development Cell at GCET

Promotion drive was carried out on 12th Feb' 2020 to inform Mechanical Engineering students about the entrepreneurship and the role of Entrepreneurship Cell at GCET. The event was organized by **Dr. Mitesh Vegad** and targeted for the first year mechanical engineering UG students. Characteristics of an entrepreneur were highlighted and students were encouraged to register for the Entrepreneurship Development Cell at GCET.



6. Expert lecture on capabilities of Solid Works and 3D printer

An expert lecture on **capabilities of solid works and 3D printer** was arranged by Prof. Faijubhai R Malek for 3rd year mechanical engineering students on 13th February, 2020 from 3:30 p.m onwards. This lecture was conducted by **Mr. Abhishek Dave** and his team from **AM Infotech**, Vallabh Vidyanagar. Also, a demonstration of how 3D printer works and setup was given to the students. Total 32 students of above mentioned class participated and took the benefit of the knowledge of experts.



True teachers are those who use themselves as bridges over which they invite their students to cross; then, having facilitated their crossing, joyfully collapse, encouraging them to create their own."

— Nikos Kazantzakis

7. FLY (Finding The Leader in You) Workshop

A workshop on “**FLY (Finding The Leader in You)**”, was organized for selected students of all Stream of Engineering’ students. The workshop was conducted by **Anuja Amin and Viraj Vora** who are members of **Competitiveness Mindset Study- IIT Gandhinagar** on 7th & 8th February, 2020. It was coordinated by Prof. Aakarsh Jain, Prof. Purnank Bhatt Assistant Professor, Mechanical department and Prof. Deven A. Gol, Assistant Professor, IT department. There were 40 students present for the talk.

Main objective of this event was to make students of 2nd year and 3rd familiar with concepts of the five key attributes of student which are Conscientiousness, Perseverance, Innovativeness, Taking Initiative and Problem Solving.



“Anyone who stops learning is old, whether at twenty or eighty. Anyone who keeps learning stays young. The greatest thing in life is to keep your mind young.”

— Henry Ford

8. Expert talk on “How to excel in Entrepreneurship”

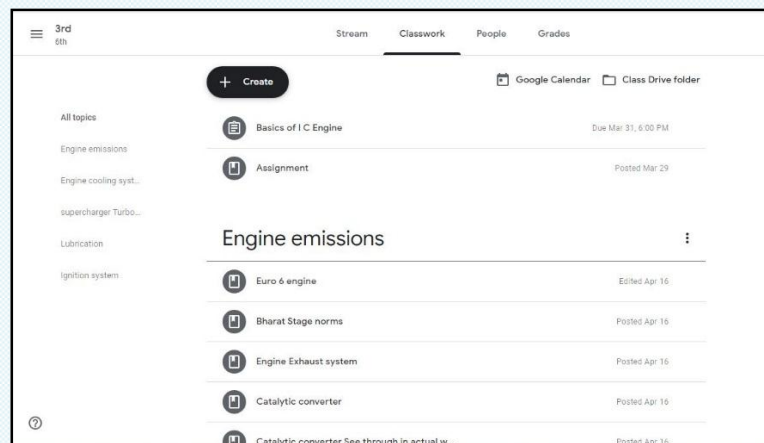
An expert talk on “How to excel in Entrepreneurship” was organized on 2nd March 2020, Monday at 2:30 pm. The talk was delivered by **Mr. Sagar Sadatia** Founder, **Cubein e-Manufacturing Solutions (CEMS)**, Ahmedabad. Mr. Sagar has discussed about the difference between start-ups and business. He explained important parameters need to be understood as a successful entrepreneur.

This talk was organized by Dr. Mehul Gor and Prof. Afzal Alad under SSIP community of institute. 57 students were benefitted from the talk.

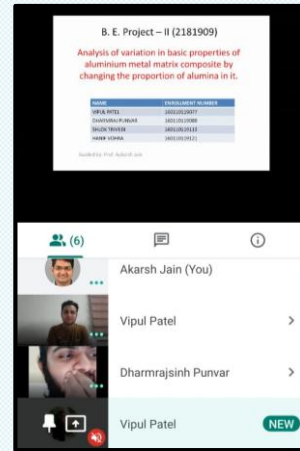
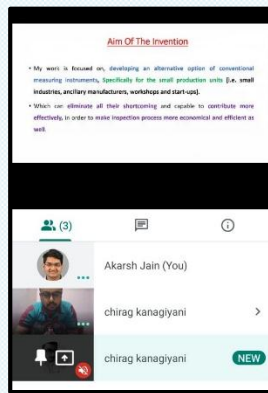


9. Online Activities

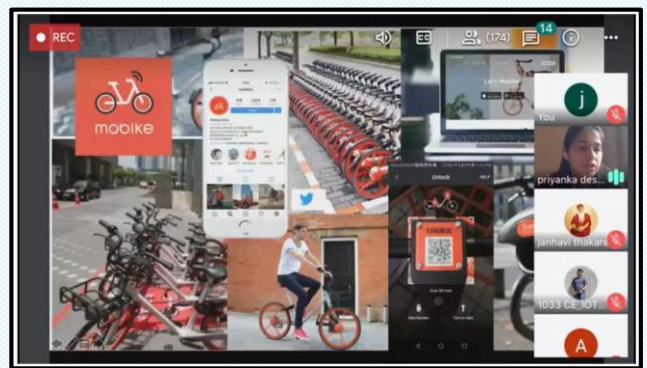
COVID19 Pandemic ‘Lockdown’ resulted in closing all the physical doors of houses, institutes, industries etc. But, closing physicals doors, many new frontiers of learning were open for everyone. Many new terms like webinars, conference calls, online STTP, virtual industrial tour, etc. became common. Students got acquainted with new learning methodology also teachers had to work upon teaching methodology, to make online sessions interesting and fruitful. During the term end viva-voce were conducted through group video calling. Here are few glimpses of online activities done during ‘Lockdown’.



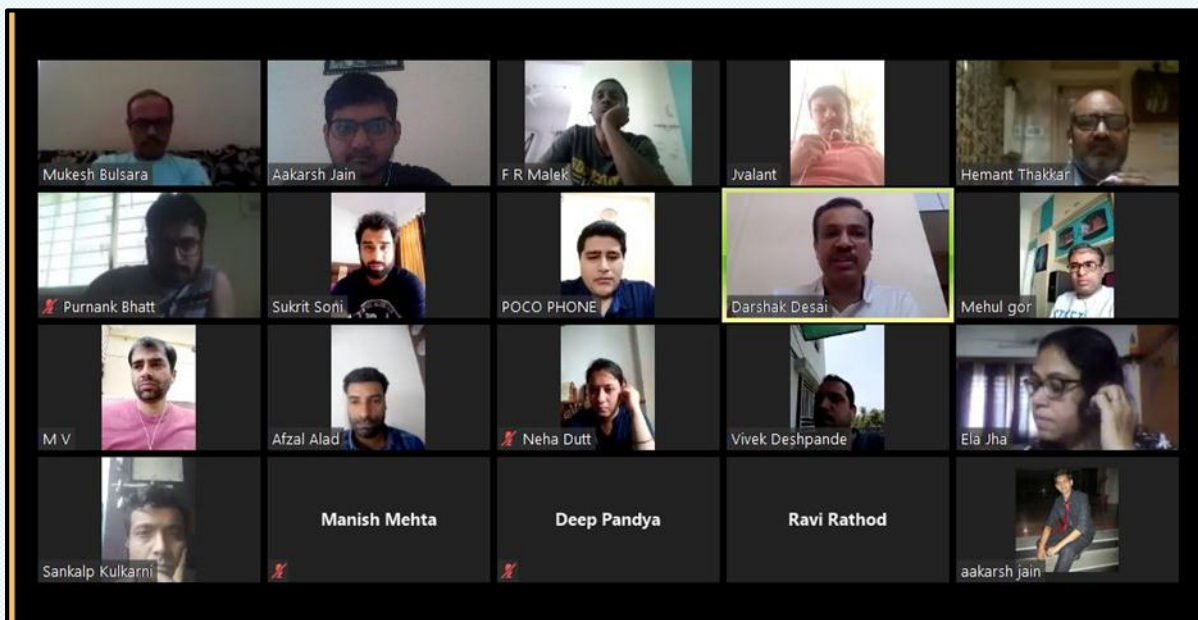
Online Teaching Learning through Google Classroom



Online Viva-voce for Design Engineering and Final Year Project

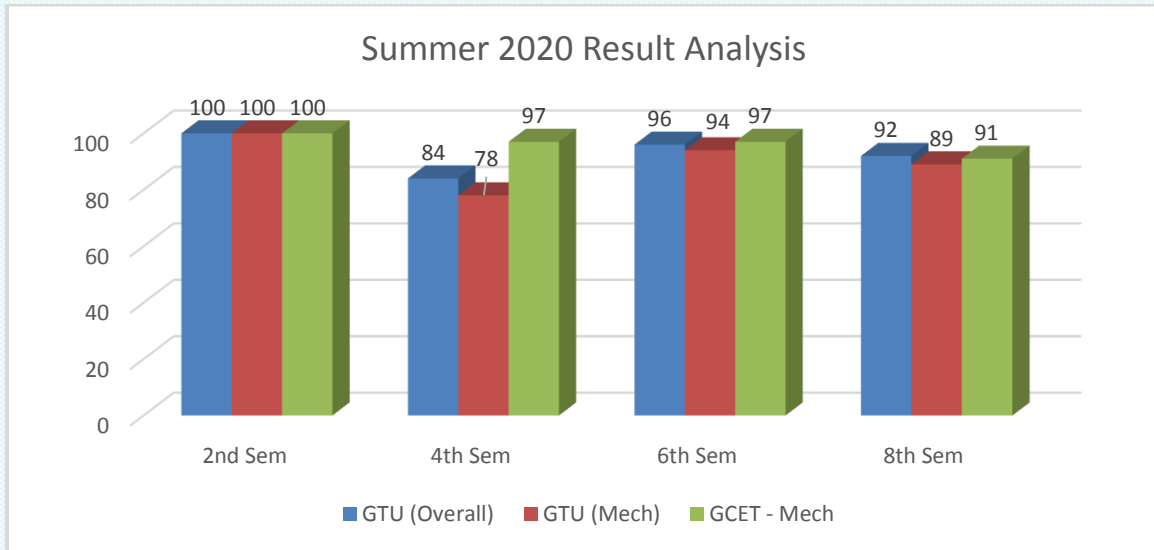


E-Learning through Webinars conducted by many Institutes



Online Faculty Meeting

Result analysis



Institute top Performers in GTU Summer 2020



Bhatt Vrushank Amit
190110119007
10 SPI in Sem 2nd



Kachwala Mustufa Hasanali
190110119027
10 SPI in Sem 2nd



Bhakhar Daksh Hareshbhai
180110119006
9.74 SPI in Sem 4th



Bhatt Mohit Girishbhai
170110119007
9.91 SPI in Sem 6th



**Vavadiya Kevalkumar
Rameshbhai**
170110119123
9.85 SPI in Sem 6th



Das Sagarika Bibhutilal
170110119015
9.55 SPI in Sem 6th

STUDENT'S ACHIEVEMENT



1. Patent filed by Final year student

Final Year Mechanical Engineering Student **Mr. Chirag Kanagiyan** has filed a patent on "HYBRID LATHE - A MULTIPURPOSE MACHINE TOOL". Idea: A five-axis multipurpose machine tool named as Hybrid Lathe. More specifically, the invention facilitates machining of both plan surface and the surface of revolution, also it provides every essential motion of the tool and/or work piece which could be required to perform any primary operations of a lathe, milling, grinding, drilling and boring based processes.

2. Gold Medal in M.E Industrial Engineering at GTU

Trushant Desai of ME (Industrial Engg.) 2017 batch secured 9.56 CPI and awarded Gold Medal at GTU's 9th convocation during January 2020.



3. Second prize at Tata Crucible Business Quiz (Regional) competition

Tanmay Mehta from third-year Mechanical Engineering & Jaynil Pandya from second-year Electronics & Communication Engineering won second prize at Tata Crucible Business Quiz (Regional) competition held at IRMA, Anand. They won a cash prize of Rs. 35,000 for this victory.

“The beautiful thing about learning is nobody can take it away from you.”

— B.B. King

Placement Details

Total number of company visited	Total Number of Students Placed
13	54



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Industrial Visits

Sr. No	Date	Place	Students	Faculty
1	17/01/2020	Amul Chocolate Plant, Mogar	62	Prof. Jvalant Trivedi Prof. Ravi Rathod
2	14/02/2020	Sardar Patel Renewable Energy Research Institute (SPRERI)	55	Prof. Jvalant Trivedi Prof. Ravi Rathod
3	19/02/2020	Unique Forgings (India) Pvt. Ltd, Anand	48	Prof. Aakarsh Jain Prof. Divyesh Dave
4	19/02/2020	Bhanubhai Memorial Center Of Excellence, Anand	54	Prof. Aakarsh Jain Prof. Divyesh Dave

From Alumnae



Mihir K Shah
ME Industrial Engineering
(2015-2017)

Currently I am working as Senior Consultant - ADDVALUE Consulting Inc., Ahmedabad. According to my view, GCET is the No. 1 Private Institutes in Gujarat.

High level Education+ Curriculum activity + Placement + Excellent culture = GCET

Wonderful experience with quality teaching, Practical approach, assessment and management of learning. The creation of an academic culture in which all students and Faculties are expected to deploy higher-order thinking skills in all UG & PG programs.