



MECHAZINE

THE DEPARTMENTAL NEWSLETTER



MECHANICAL ENGINEERING DEPARTMENT

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L. E. College, Morbi

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HIGHLIGHTS:

- ❖ *Departmental Activities*
- ❖ *Industrial Visit*
- ❖ *Online Teachers-Parents Meet*
- ❖ *Faculty Corner*
- ❖ *Student Corner*

Departmental Activities

❖ *Siemens Training Program*

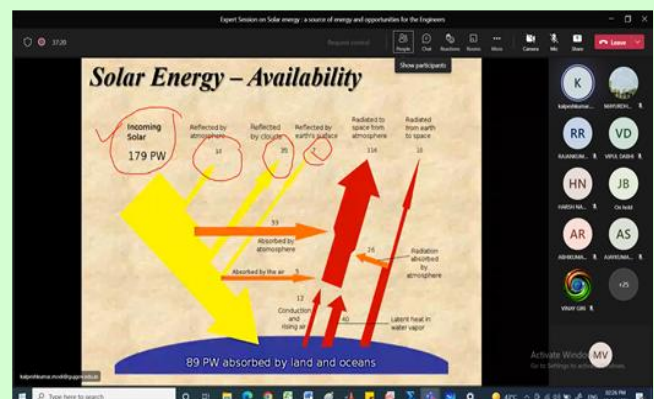
The Centre of Excellence (COE), Siemens was established at L. E. College Morbi in 2014. Memorandum of understanding has been signed between the Government of Gujarat and Siemens to achieve objectives like improvements in college labs infrastructure, skill upgradation of faculty by training, training of students to improve employability etc. Product Design and Validation Lab is working under the banner of Centre of Excellence (COE). Under this lab “**Essential of NX Course**” was offered to 4th semester students of Mechanical Engineering during 21st March to 30th April 2022. The purpose of this course was to ignite the students through professional instruction pertaining to product model design, detailing, assembly modelling and the basics of the master model concept. Total 26 students were benefited through this 20 hrs course.

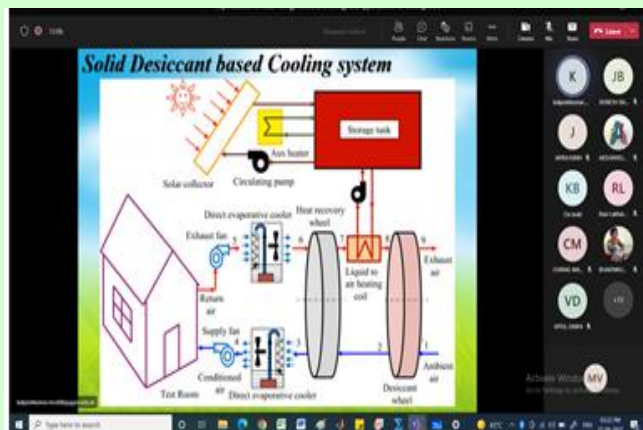


Siemens Training Program on Essential of NX Course

❖ *Expert Sessions*

Mechanical Department organized an online expert session on “**Solar Energy: A source of energy and opportunities for the engineers**” on 28th April 2022 for 8th semester students. Dr. K. V. Modi, Professor and Head, Mechanical Engineering Department, GEC Bhuj conducted the session. He briefly explained the solar energy and its various applications, benefits to the society and environment. He discussed in detail about availability of solar energy, and its various field applications like solar cooker, solar air heater, solar drying of rubber sheet, cooling system etc. About 39 students actively attended the session. The session was coordinated by Prof. M.B. Vaghela.





Expert session on Solar Energy: A source of energy and opportunities for the engineers

Mechanical Department organized an expert session on **“Advance part programming and hands on session”** on 13th April 2022 for 6th semester students. The session was conducted by Mr. Denish Vachhani, Machine Shop In-charge, R. E. Components Pvt. Ltd., Rajkot, Gujarat. He briefly explained the part programming process and different cycle used. He also provided the information about how to prepare the part programming for any object in control panel of machine, set machine zero etc. and given demonstration in CIM lab. Total 19 students were enthusiastically involved in the expert session. Prof. M. B. Vaghela successfully coordinated the session.



Expert session on Advance Part Programming

Mechanical Department organized an expert lecture on **“Advance metrology and practical exposure of measurement”** on 20th April 2022 for 4th semester students. Mr. Abhishek

Suchak, Scientist-B, Centre In-Charge, CMTI, Rajkot conducted the session. He elaborated the importance of the metrology, scope in metrology and its application in industry. Total 17 students actively attended the session and interacted with the expert. The session was coordinated by Prof. M.B. Vaghela.



Expert lecture on Advance Metrology and Practical Exposure of Measurement

Industrial Visit

An Industrial visit was organized by Mechanical Department at **“Jyoti CNC Automation Ltd. Rajkot”** on 12th April 2022 for the 6th semester students for better understanding of the concept of Industry 4.0 and advance manufacturing process. Students visited the various advance sections of company like machine shop, assembly line of CNC, VMC, Linear machine, 4 and 5 axis machine, fabrication shop, welding shop, painting shop and semi-automatic foundry and briefly explained the process done at various sections. The students were provided with the information about 5S implementation and advance tool introduce to see the live machine condition and query from the customer.



Industrial Visit at Jyoti CNC

Total 33 students were benefitted with the industrial visit. The visit was successfully coordinated by Prof. M. B. Vaghela & Prof. A. B. Khant.

Mechanical Department organized an industry visit at **"Falcon Pumps Pvt. Ltd.", Rajkot**, 6th May, 2022 for the 4th semester students to explore the practical concept of Fluid Mechanics and Hydraulic Machines. The students visited the various department of company like machine shop, assembly line of various pump, welding shop, quality control etc. They are manufacturers of submersible borewell pump, openwell pump, self-priming and centrifugal monoblock pumps, solar pumps etc. The students were explained briefly about the working of pumps.



Industrial visit at Falcon Pumps Pvt. Ltd.

Total 15 students were benefitted with the industrial visit. The visit was successfully coordinated by Prof. M. B. Vaghela & Prof. J. M. Pujara

Online Teachers-Parents Meet

"Parents meeting for 1st year students – 2021 Batch" session was organized online on MS Team Platform by Mechanical Department on 02/02/2022.



Online Teachers-Parents Meet

The aim of this meeting was to strengthen the communication between college & parents and build a harmonious teaching atmosphere. Total 20 students along with parents have attended the program. Prof. J. H. Solanki & Prof. M. B. Vaghela addressed the students and parents.

Faculty Corner

❖ Mechanical Department Welcomes

Prof. Nilesh M. Bhatt joined Mechanical Engineering Dept., L. E. College, Morbi as Professor and Head of the Department on 19th May 2022.



❖ Faculty Training

Following faculty members successfully completed trainings/development programs:

- Prof. Chirag A. Maradiya, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Trends in Renewable Energy", organized by Government Engineering College, Bhuj during 31st Jan- 4th Feb. 2022.
- Prof. Manoj B. Vaghela, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Trends in Renewable Energy", organized by Government Engineering College, Bhuj during 31st Jan- 4th Feb. 2022.
- Prof. Jalpesh H. Solanki, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Trends in Renewable Energy", organized by Government Engineering College, Bhuj during 31st Jan- 4th Feb. 2022.
- Prof. Anjali N. Dave, successfully completed DTE approved GUJCOST sponsored oneweekonline FDP on "Metallurgy For All", organized by Metallurgy Department, Government Engineering College, Gandhinagar during 21st - 25th Feb, 2022.
- Prof. Amisha B. Khant, successfully completed online FDP 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 21st -25th February, 2022.
- Prof. Jay M. Pujara, participated in "56th Online Faculty Development Program for Design Engineering (Level 1)", organized by Center of Industrial Design In Association with Design Innovation Centre-GTU during 14th– 18th Feb, 2022.

❖ Expert Talk Delivered

- Prof. Renu C. Ghanghas delivered an online expert lecture on "Microscopy in Material Science", in webinar series on "Metallurgy & Material Science", organized by Metallurgy Department, Government Engineering College Gandhinagar in collaboration with Students Society of Metallurgy Engineers Gandhinagar during 7th -11th Feb., 2022.

❖ Student Corner

❖ Student Placement

Department of Mechanical Engineering, LEC Morbi, wholeheartedly congratulates and wishes the placed students.

Sr. No.	Student Name	Company Name & Location
1	Lakhatariya Ravi Arvindbhai	Balkrishna Industries Pvt. Ltd. (BKT) - Bhuj
2	Pancholi SatyenBharatkumar	Balkrishna Industries Pvt. Ltd. (BKT) - Bhuj
3	Jungi Naman Kishorbhai	Balkrishna Industries Pvt. Ltd. (BKT) - Bhuj
4	Katar Gautam Jitendrabhai	Balkrishna Industries Pvt. Ltd. (BKT) - Bhuj
5	Baradiya Jignesh Parbatbhai	Balkrishna Industries Pvt. Ltd. (BKT) - Bhuj
6	Kanzariya Amit Nathubhaai	Nirma Ltd.- Bhavnagar
7	Prasad Amarjit Styendra Prasad	SAUKAM (Nirma Ltd.) - Porbandar

❖ Student Creativity



Karamveer Kumar (2nd Sem)



Karamveer Kumar (2nd Sem)

INSTITUTE MISSION & VISION

❖ Vision of the Institute

To provide quality engineering education and transforming students into professionally competent and socially responsible human being.

❖ Mission of the Institute

- ❖ To provide a platform for basic and advanced engineering knowledge to meet global challenges.
- ❖ To impart state-of-art know-how with managerial and technical skills.
- ❖ To create a sustainable society through ethical and accountable engineering practices.

DEPARTMENT MISSION & VISION

❖ Vision of the Department

To deliver quality engineering education for Mechanical Engineers with professional competency, human values and acceptability in the society.

❖ Mission of the Department

- ❖ To nurture engineers with basic and advance mechanical engineering concepts.
- ❖ To impart Techno-Managerial skill in students to meet global engineering challenges.
- ❖ To create ethical engineers who can contribute for sustainable development of society.

EDITORS:

1. Prof. Amisha B. Khant
2. Prof. Renu C. Ghanghas

STUDENT COORDINATOR:

1. Jayrajsinh Jadeja (7th Sem)