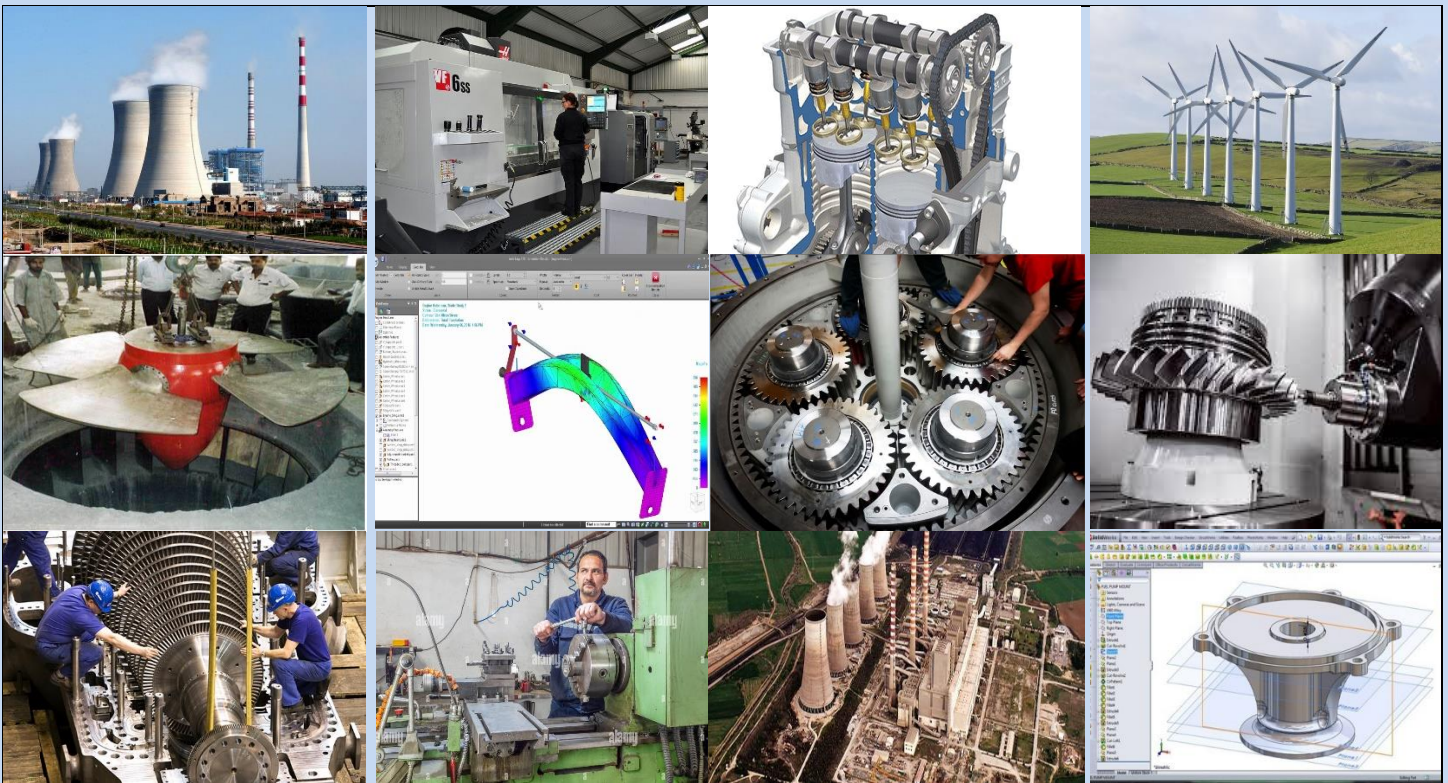


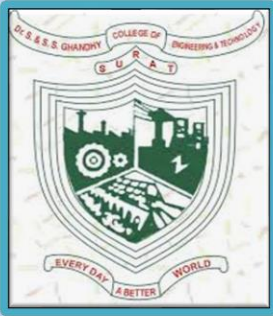
MECHANICAL ENGINEERING DEPARTMENT



MECHBULLETINE

MECHGEAR 3 (YEAR: JULY 2021 TO JUNE 2022)

DR. S. & S. S. GHANDHY COLLEGE OF ENGG. & TECH., SURAT



E-NEWS LETTER "MECHGEAR 3"

DEPARTMENT OF MECHANICAL ENGINEERING

DR. S. & S. S. GHANDHY COLLEGE OF ENGG. & TECHN., SURAT
YEAR: JULY 2021 TO DEC 2022



FROM HOD'S DESK
SHRI N. A. SANGANI,

As the Head of Mechanical Engineering, I'm excited to share the Glimpse and achievement of past year as well the endless possibilities our field offers. Recently, our department received recognition of the quality of education from National Board of Accreditation, New Delhi. Mechanical programs is accredited for Three years (2021 to 2024). Institute applied for accreditation for five programs in year 2019 under directives of Technical Education Department, Government of Gujarat.

Let's continue to push boundaries, inspire creativity, and shape the world with our expertise. Together, we'll lead the way towards a dynamic future of innovation and impact.

NEWS INSIDE

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9. Creative Corner

SUCCESS ACHIEVED

**Mechanical Engineering program
got accredited by NBA**

**Time to
CELEBRATE!**

NBA
NATIONAL BOARD
OF ACCREDITATION



Dr. S. & S. S. Ghandhy College of
Engineering & Technology, Sur

Sl. No.	Name of the Program(s) (Diploma)	Basis of Evaluation	Accreditation Status	Period of Validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Civil Engineering	January 2019 Document	Accredited	Academic Years 2021-2022 to 2023-2024 i.e. upto 30-06-2024	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the competent authority, whichever is earlier
2.	Mechanical Engineering		Accredited		
3.	Electrical Engineering		Accredited		
4.	Automobile Engineering		Accredited		
5.	Metallurgy		Accredited		

Vision

- To achieve excellence in Mechanical Engineering education for modern industrial requirements with societal and environmental concern.

Mission

- To prepare the students with strong fundamental concept analytical capabilities and technical skills.
- To provide the students with academic environment of excellence, leadership and life-long learning required to be competent.
- To inculcate professional skills and ethical values among young minds with societal and environmental concerns.
- To expose our students to industries with industry - institute - interaction programs to enhance employability.

Program Educational Objectives (PEOs)

- PEO -1 Students will have knowledge of Science and Engineering principles to the emerging areas of Mechanical Engineering for employability, higher studies and handle realistic problem.
- PEO -2 To produce diploma holders who will perform their duties with societal, economic and environmental concern for contribution towards the sustainable growth of nation.
- PEO -3 To inculcate students with technical, professional and entrepreneurial skills with high level of integrity and professional ethics as an individual as well as team.

Know The Faculty



Prof. N. A. Sangani
Head of the department, M.E. Mechanical

Teaching Staff



Mr.S.M. Kank
B.E. Mechanical



Mr.D.B. Patel
M.E. Mechanical



Mr. T.B. Patel
M.E. Mechanical



Mr.K.C. Patel
M.E. Mechanical



Miss.B.C. Shah
M.E. Mechanical



Mr.K.D. Chaudhari
B.E. Mechanical



Mr.H.S. Chaudhari
M.E. Mechanical



Mr.J.J. Gopani
B.E. Mechanical



Mr.M.H. Koladiya
B.E. Mechanical



Mr.B.D. Shankar
B.E. Mechanical



Mr.A.M. Ambaliya
M.E. Mechanical



Mr.A.S. Solanki
B.E. Mechanical



Mr.A.A. Patel
B.E. Mechanical



Mr.H.V. Gohil
M.E. Mechanical



Mr.V.C. Prajapati
B.E. Mechanical



Miss S.D. Tiwari
M.E. Mechanical



Mr.S.K. Teraiya
M.E. Mechanical



Miss. M.I. Oza
M.E. Mechanical



Miss.A.R. RANA
M.E.Mechanical



Mr.G.V. Patel
B.E. Mechanical



Mr.S.N. Vasava
B.E. Mechanical



Miss.A.I. Patel
M.E. Mechanical



Mr.N.S. Kharuskar
B.E. Mechanical



Mr.S.S. Mahakal
B.E. Mechanical



Mr.B.C. Chaudhari
B.E. Mechanical



Mr.D.D. Patel
B.E. Mechanical



Mr.J.H. Ramani
B.E. Mechanical

Non-Teaching Staff



Mr. V.B. Gajrotar
B.E. Mechanical



Miss S.P. Chavda
D.E. Mechanical



Miss R.D. Surati
D.E. Mechanical

Campus Placement Data

MECHANICAL DEPARTMENT_2022_PRE-PLACEMENT DATA

Sr. No.	Enrollment Number	Full Name	Company Name	Designation	Annual Salary
1	206120319515	DIPAKKUMAR PAUL	ACC	Apprenticeship Trainees.	180000
2	196120319020	IMINESHKUMAR GAVIT	Godrej & Boyce	DET	216000
3	196120319509	BISHUNDEV KASHI CHAUHAN	Godrej & Boyce	DET	216000
4	196120319527	PRIT HASMUKHBHAI KHANT	Godrej & Boyce	DET	216000
5	206120319509	HARDIK JEETENDRAKUMAR DARUWALA	Godrej & Boyce	DET	216000
6	196120319016	JENIL DHIMMAR	Saint Gobain	Diploma Apprenticeship Trainee	144000
7	196120319039	AAKASH LAD	Saint Gobain	Diploma Apprenticeship Trainee	144000
8	196120319047	SUMEET MISHRA	Saint Gobain	Diploma Apprenticeship Trainee	144001
9	196120319052	RAHUL NAGEKAR	Saint Gobain	Diploma Apprenticeship Trainee	144002
10	196120319082	HARSH PATEL	Saint Gobain	Diploma Apprenticeship Trainee	144000
11	196120319031	Kadam Paresh Vijay	AM/NS	Trainee Engineering	144000
12	196120319042	Makwana Sumit Upendrabhai	AM/NS	Trainee Engineering	144000
13	196120319046	Mishra Adarsh Girjashankar	AM/NS	Trainee Engineering	144000

14	196120319051	Modi Viyashkumar	AM/NS	Trainee Engineering	144000
15	196120319057	VISHAL PAL	Sonani industries	Trainee Engineering	156000
16	196120319060	Sourav Pandey	AM/NS	Trainee Engineering	144000
17	196120319068	PATEL ARYAN	Sonani industries	Trainee Engineering	156000
18	196120319078	Patel Divyang Manojbhai	AM/NS	Trainee Engineering	144000
19	196120319089	Patel Kush Jayeshbhai	AM/NS	Trainee Engineering	144000
20	196120319105	Vraj Jitendrabhai Patel	AM/NS	Trainee Engineering	144000
21	196120319107	Maazkhan Shoebkhan Pathan	AM/NS	Trainee Engineering	144000
22	196120319108	Patil Aniket Pravin	AM/NS	Trainee Engineering	144000
23	196120319116	Khushvant T. Rajput	AM/NS	Trainee Engineering	144000
24	196120319120	Rasawala Prem Bharatkumar	AM/NS	Trainee Engineering	144000
25	196120319125	Sahu Subrat Kuna	AM/NS	Trainee Engineering	144000
26	196120319126	Salunke Kunal Subhash	AM/NS	Trainee Engineering	144000
27	196120310129	Bhavya shah	AM/NS	Trainee Engineering	144000
28	196120319141	Thakor Harshadkumar Kaluji	AM/NS	Trainee Engineering	144000
29	196120319146	Abhaykumar Anandkumar Tripathi	AM/NS	Trainee Engineering	144000
30	196120319522	Jadeja Kevin Sinh Bhagirathsinh	AM/NS	Trainee Engineering	144000
31	196120319524	Kanzariya Tarun	CMR	Trainee Engineering	2.16 LPA
32	196120319538	Nai Ritesh Kalulal	AM/NS	Trainee Engineering	144000
33	196120319540	Patil Nikhil Yuvraj	AM/NS	Trainee Engineering	144000
34	206120319504	PARTH RANA	Sonani industries	Trainee Engineering	156000

35	206120319508	HARDIK PATEL	Sonani industries	Trainee Engineering	156000
36	196120319030	PRERAK JOSHI	JET/I&t	JUNIOR Engineering Trainee	273348
37	196120319032	KARAN MODY	JET/I&t	JUNIOR Engineering Trainee	273348
38	196120319049	JAY MISTRY	JET/I&t	JUNIOR Engineering Trainee	273348
39	196120319071	DEEP PATEL	JET/I&t	JUNIOR Engineering Trainee	273348
40	196120319094	MEETKUMAR PATEL	JET/I&t	JUNIOR Engineering Trainee	273348
41	196120319140	SAKSHAM K. THAKKAR	JET/I&t	JUNIOR Engineering Trainee	273348
42	196120319156	YASH SHAH	JET/I&t	JUNIOR Engineering Trainee	273348
43	196120319503	GAURANG BHALODIYA	JET/I&t	JUNIOR Engineering Trainee	273348
44	196120319029	JIGAR SOLANKI	Dhruv Motors	service engineer trainee	132000
45	196120319151	TULSIDAS VASAVA	Dhruv Motors	service engineer trainee	132000
46	196120319523	SUDHANSU KANOJIYA	Dhruv Motors	service engineer trainee	132000
47	196120319542	JEMIN PARMAR	Dhruv Motors	service engineer trainee	132000
48	196120319558	VIVEK PATEL	Dhruv Motors	service engineer trainee	132000
49	196120319564	PRASHANT RAMOLIYA	Dhruv Motors	service engineer trainee	132000
50	196120319568	DHARMIK SHUKLA	Dhruv Motors	service engineer trainee	132000
51	206120319517	BHAVESH SONAWANE	Dhruv Motors	service engineer trainee	132000

52	196120319022	Gohil Ashish	EMBTECH Company	Technical Assistance	12000/16000
53	196120319072	Patel Devkumar	EMBTECH Company	Technical Assistance	12000/16000
54	196120319521	Gupta Vishal	EMBTECH Company	Technical Assistance	12000/16000
55	196120319048	Mistry Bhumit Dineshbhai	L & T Power	JUNIOR Engineering Trainee	273348
56	196120319086	Patel Jitkumar Bharatkumar	L & T Power	JUNIOR Engineering Trainee	273348
57	196120319557	Patel Vismay Sandeep	L & T Power	JUNIOR Engineering Trainee	273348
58	206120319515	Paul Dipakkumar Shivarambhai	L & T Power	JUNIOR Engineering Trainee	273348
59	196120319119	Sujal Rana	Birla copper Dahej	DET	300000
60	196120319513	Deep Joshi	Birla copper Dahej	DET	300000



Glimpse of Campus Drive

Departmental Activities

Sr.no	Date	Activity	No. of participants
1	24/07/2021	Guru Purnima	105
2	02/08/2021	Swachchata Pakhvadiyu	60
3	22.10.21	Single use plastic collection drive	65
4	26.10.21	Clean india-single use plastic free india-azadi ka amrit-Lack cleaning drive	22
5	30.10.21	Vruksha ropan program	55
6	1.10.21	Rasikaran zumbesh-corona	194
7	30.10.21	Rastriy aekta shapath	55
8	15.11.21	Webinar on legal literacy	160
9	21.06.21	Yoga day	89
10	04.01.22	BLOOD DONATION CAMP	10
11	17.01.2022	Essay competition on Freedom fighters	42
12	21.02.22	FIT INDIA-AZADI KA AMRIT MAHOTSA - INDIA@75(MINI MERATHON)	15
13	11.03.2022	POSTER COMPITATION OF WATER CONSERVATOR- MAKING THE INVISIBLE VISIBLE	20
14	22/3/2022	Project Expo: Students showcase Innovative Projects in Department of Mechanical Engineering	115
15	21.06.22	Yoga day	165

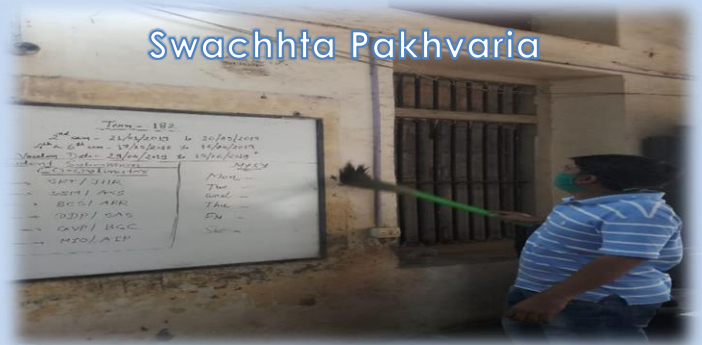
A live demonstration of IC Engine Parts and webinar on "Charging and Discharging of Refrigerant" was organized on 03/10/2021 at Dhruv Motors, Surat. Around 101 participants attended this webinar.

Charging and Discharging of Refrigerant



Cleanliness drive under Swachhta Pakhvaria from 01st to 15th August, 2021 was conducted on 2/8/2021 in department. Around 60 students participated in the activity.

Swachhta Pakhvaria



Guru Purnima



According to the Hindu calendar, Guru Purnima is celebrated on the full moon day of Ashadh month and in the lineage of spiritual sages to commemorate the holy birthday of Lord Ved Vyas who was the compiler of four Vedas and eighteen Puranas.

On this day, Purnima celebration was organized online at Dr. S. & S. S. Gandhi College from 3:00 pm to 4:00 pm.

Vaccination awareness campaign was conducted on 01/10/2021 as a part of AZADI KA AMRIT MAHOTSAV program. In these awareness campaign students get information about vaccination benefits, use of mask and social distancing. Student join this program by online and offline seminar. Around 60 participants attended this seminar.





Single-Use Plastic Collection Drive

Single use plastic collection drive: The Single-Use Plastic Collection Drive celebration was a big hit! People gathered with excitement and pride to celebrate the success. We collected tons of plastic waste, making our environment cleaner and safer. There were cheers, music, and even some dancing as we celebrated our achievement. It was a day filled with joy and a sense of accomplishment for everyone involved



Vruksha Ropan Program:

A tree plantation program emphasizing environmental conservation with 55 participants.

Planting trees is sowing the seeds of tomorrow's shade. Let's nurture nature for a greener, thriving world today. Our college is best example of celebrating and enjoying this festival



Vruksha Ropan



Project Expo



Project Expo: The Mechanical Engineering Department organized Project Expo for the projects designed by students in campus of Dr. S & S. GHANDHY COLLEGE OF ENGG. & TECH. SURAT on 25-03-2022. Departmental H.O.D Mr. S.M. KANK along with the departmental faculties inaugurated the Project Expo. All Students of mechanical engineering department participated in the Project Expo and more than 20 projects were displayed. Project Expo was organized by the faculty coordinators, Mr. V.C. PRAJAPATI and Mr. A.B. PATEL.

FACULTY PARTICIPATION DETAILS

TRAINING DETAILS:

SR. NO.	FACULTY NAME	Training Duration	TO	TRAINING NAME
1.	SHRI D B PATEL	05-07-2021 09-07-2021	TO	INDUSTRY 4.0 AND MANUFACTURING, LEC MORBI
2.	SHRI T B PATEL	03/01/2022 07/01/2022	TO	Design and Development of Sample Rubrics for Assessment, ONLINE NITTTR BHOPAL
3.	SMT B C SHAH	11/10/2021 15/10/2021	TO	Work Ethics, Motivational Climate and Attitude Development, Online, NITTTR, Bhopal
4.	SHRI J J GOPANI	05-07-2021 09-07-2021	TO	INDUSTRY 4.0 AND MANUFACTURING, LE MORBI
5.	SHRI J J GOPANI	21-02-2022 25-02-2022	TO	METALLURGY FOR ALL, GEC GANDHINAGAR
6.	SHRI M H KOLADIYA	17/01/2022 21/01/2022	To	Digital Manufacturing Processes and Industry 4.0
7.	SHRI B D SHANKAR	12/07/2021 16/07/2021	To	Innovative Teaching Techniques for Mechanical Engineering
8.	SHRI B D SHANKAR	17/01/2022 21/01/2022	To	Digital Manufacturing Processes and Industry 4.0
9.	SHRI A M AMBALIYA	05-07-2021 09-07-2021	TO	INDUSTRY 4.0 AND MANUFACTURING, LE MORBI
10.	SHRI A M AMBALIYA	21-02-2022 25-02-2022	TO	METALLURGY FOR ALL, GEC GANDHINAGAR
11.	SHRI A S SOLANKI	17/01/2022 21/01/2022	To	Digital Manufacturing Processes and Industry 4.0
12.	SHRI V C PRAJAPATI	17/01/2022 21/01/2022	To	Digital Manufacturing Processes and Industry 4.0

13	KUM M I OZA	11/10/2021 15/10/2021	To	Work Ethics, Motivational Climate and Attitude Development, Nitttr Bhopal online
14.	KUM A I PATEL	11/10/2021 15/10/2021	to	Work Ethics, Motivational Climate and Attitude Development, Online, NITTR, Bhopal
15.	SHRI N S KARUSKAR	17/01/2022 21/01/2022	To	Digital Manufacturing Processes and Industry 4.0
16.	SHRI S S MAHAKAL	17/01/2022 21/01/2022	To	Digital Manufacturing Processes and Industry 4.0

EXPERT LECTURE DELIVERED:

SR. NO.	FACULTY NAME	DATE	TOPIC	VENUE
1.	Mr. H. V. Gohil	5/10/2021	How to face Interview?	GP, Valsad
2	Mr. H. V. Gohil	12/10/2021`	Power of habit	Sarvajanik University, Surat
3	Mr. H. V. Gohil	25/10/2021	Teaching without teaching FDP,	BAPS Temple, Rajkot
4	Mr. H. V. Gohil	27/10/2021	Teaching without teaching FDP,	BAPS Temple, Surat
5	Mr. H. V. Gohil	31/12/2021	Power of habit	VNSGU, Surat

WORKSHOP/WEBINAR ATTENDED:

SR. NO.	FACULTY NAME	DATE	TOPIC	ORGANIZER
1.	Mr. H. V. Gohil	03/07/2021	Opportunities for diploma students in government job.	T&P Cell, SSGP, Surat
2.	B.D. Shankar	27/10/2021	FDP -Teaching Without Teaching	GTU & IPDC (BAPS)
3.	S. D. Tiwari	17/12/2021	Amrut mahotsav par Yuva sankalp shreshth bharat ke panch parkalpa	GTU & NSS

CO-CURRICULAR ACTIVITY

Industrial Visit Record Year 2021-22

TERM: 211 & 212

Sr No	Industry / Name	Term	Date of visit	Sem	Div	No of students	Name Of Faculties
1	Heema Processors Ltd.	212	3/3/2022	6	A	35	K.C.Patel, D.D.Patel
			3/3/2022		B	39	K.C.Patel, D.D.Patel
2	Nuclear Power Plant (Kakrapar)	212	3/4/2022	6	A+B	49	J.J.Gopani, A.M. Ambaliya
			3/5/2022		B+C	49	H.V.Gohil, K.M.Surati
3	ITI, Surat	212	3/29/2022	6	A+B	26	T.B.Patel, V.C. Prajapati
			3/30/2022		B+C	36	S.K.Teraiya, S.S. Mahakal
4	UDYOG-2022 Exhibition	212	4/8/2022	4	D+E	26	A.A.Patel
			4/8/2022		E+F	33	B.D.Shankar

ITI CNC VISIT

ITI, Surat Equipped with latest CNC turning & machining centre. CNC Lab offers mechanical students hands-on experience with Computer Numerical Control machines. Equipped with state-of-the-art tools, it provides practical training in machining processes like milling and turning. Students learn to program CNC machines to create precise components.



ITI CNC Visit



Nuclear Power Plant Visit

Nuclear Power Plant Visit:

Mechanical department organize visit of Nuclear Power Plant, Kakrapar on 4 & 5th May 2022. The Kakrapar Nuclear Power Plant, located in Gujarat, India, is a significant source of electricity for the region. It comprises two units, both pressurized heavy water reactors, with a combined capacity of 440 megawatts. The plant has undergone various safety upgrades and inspections to ensure its reliability and security. It plays a crucial role in India's energy mix, contributing to its goal of expanding nuclear power capacity. Continuous monitoring and maintenance are conducted to uphold safety standards and mitigate risks associated with nuclear power generation.

UDYOG-2022 Exhibition:

Mechanical department organize visit of UDYOG-2022 Exhibition on 8th April 2022. The UDYOG-2022 Exhibition showcased cutting-edge innovations across diverse industries, fostering collaboration and networking opportunities among attendees. Exhibitors presented state-of-the-art technologies, highlighting advancements in manufacturing, automation, and sustainable practices. The event served as a catalyst for industry growth, paving the way for future developments and partnerships.



Expert Lecturer Details

Sr no	Date	Term	Div	Lecture / Topic	NO of students
1	Sunday, 3/11/2021	211	A/B/C	Working of AC in car, Demonstration of IC Engine parts & charging & discharging of refrigerant	82
2	Friday, 11/3 2022	211	A/B/C	Era Of 3D Printing	115
3	Friday, 20/5/2022	212	D/E/F	Hands On Training On NDT	115



A live demonstration of IC Engine Parts and webinar on "Charging and Discharging of Refrigerant" was organized on 03/10/2021 at Dhruv Motors, Surat. Around 101 participants attended this webinar.

Under the Guidance suggestion and approval of principal, Dr. S. And S. S. Gandhi College, Majura gate College Shri N. a. of Sangani, mechanical engineering department organizes hands on practice on NDT (Nondestructive testing) for the students studying M& I subject in 4th Semester. Mr. Amit Gabani, founder of Bhavy Industrial Testing Services, Surat, Shri Vijay Nakrani, Shri Vishal Dhameliya and other officers were come for NDT demonstration. Proximately 115 students were present and performed NDT practice.



Creative Corner



જે કદી ધાર્યું જ નહોતું એ થયું,
એકમાંથી થઈ ગયા બે: હું ને તું.

એ હવે કહેવાય છે રક્તક કટ,
જે કદી કહેવાતી મીઠી ગુફતગૂ.
આપ પણ શીખી ગયા છો માંગવું,
આપ તો કહેતાં હતાં બસ 'આપવું'.
બેઉ બાજુ પ્રશ્ન તો સરખો જ છે:
'એ કશું કરતાં નથી, હું શું કરું?'
છે વિરહ ને માથે બફીલો સમય,
પ્રેમનું થીજી ગયું છે તાપણું.

આપણે મળીયે છીએ, ભળતાં નથી,
આપણામાં ગુમ થયું પહેલાપણું.

-મયૂર કોલડિયા
-વ્યાખ્યાતા મીકેનીકલવિભાગ

તને સંબંધ ના સમ, તું શમણે તો
આવ,
ઊંડે સુધી નહીં પણ કિનારે તો
આવ,
આશાઓનો અંત નથી, નથી
પ્રણય ને પાંખ.
ના વ્યાસ મળે, ના ક્યાસ મળે, તું
સરવાળે તો સમજાવ,
તને સંબંધ ના સમ, તું શમણે તો
આવ

Name _ Nandini joshi
Student







Editorial Board

Editor

Mr. Vimal C Prajapati
(Lecturer in Mechanical)

Ms. Mira I Oza
(Lecturer in Mechanical)



THANK YOU
FOR JOIN
WITH US

MECHANICAL ENGINEERING DEPARTMENT

Dr. S. & S. S. Gandhi College of engineering & Technology, Surat
Majura Gate.