

MECHANICAL ENGINEERING DEPARTMET



MECHBULLETINE

MECHGEAR 4 (YEAR: JULY 2022 TO JUNE 2023)

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



E-NEWS LETTER "MECHGEAR 4"

DEPARTMENT OF MECHANICAL ENGINEERING

DR. S. & S. S. GHANDHY COLLEGE OF ENGG. & TECHN., SURAT YEAR: JULY 2022 TO DEC 2023



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FROM HOD'S DESK SHRI S. M. Kank,

I am extremely happy in releasing the newsletter, highlighting the activities of the college between JULY 2022 TO JUNE 2023. I am elated to know that our mechanical engineering department Enewsletter carrying the department news and the achievements of our staff and students, who earn credits for the department and their by institutions, is being released. It is great to find a considerable number of participants in co-curricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and possess necessary skill-sets to bring such honors to the department. It would inspiration definitely be an and motivation for the other students and staff to perform better and add on their contributions in the forthcoming issues. Congratulations to all the contributors.

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



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



Mr. C.J.SHAH M. E. Mechanical



Mr. V. P Palsanawala M.Tech. Mechanical



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



Mr. M. S.Makvana B.E. Mechanical



Mr. U. D. Rathod B.E. Mechanical



Mr. K. M. Surti B. E. Mechanical



Mr. J. V. Mistry M. Tech. Thermal System Design



Mr. S. D. Patel M. Tech. Turbo machine



Mr. A. B. Patel B. 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. P. B. Surani B. E. Mechanical



Mr. V. L. Miyani B. E. Mechanical

Non-Teaching Staff



Miss R.D. Surati D.E. Mechanical



Miss S.P. Chavda D.E. Mechanical



Mr. V.B. Gajarotar B.E. Mechanical



Mr. M.N. Patel B.E. Mechanical

Lab Assistant

Instuctor

Campus Placement Data

l	MECHANICA	L DEPARTMENT	_2023_PRE	-PLACE	MENT C	DATA
Sr. No.	Enrollment Number	Full Name	Company Name	Design ation	Annual Salary	Interview date
1	206120319014	AVNI SHAH				
2	206120319024	Shani Nariya				
3	206120319123	Mohit Soni	10TH			
4	206120319128	SHAHID ALI SAIYAD	L&T Heavy Engineering	JET	2,73,348	4/1/2023
5	206120319143	Aryan Mistry				
6	206120319165	MEET PATEL				
7	206120319185	Sumit Wagh				
8	206120319021	Tanish Punamiya				
9	206120319039	MEET PATEL	Division Company			
10	206120319091	ANSHKUMAR PATEL	Birla Copper DET		3,00,000	5/12/2022
11	206120319117	TIRATH Malu	,			
12	206120319140	Dev Khatri				
13	196120319144	Rajat Shailendra Tiwari				
14	206120319008	Jariwala Himanshu Dinesh				
15	206120319011	Pujan Manubhai Prajapati	ArcelorMittal			
16	206120319066	Patel Ansh Manishbhai	Nippon Steel India Private	OJT	180000	27_28_30/0 1/2023
17	206120319076	Haday Vijaybhai Patel	Limited, Surat			
18	206120319093	Kansara Abhishek Kanaiyalal				
19	206120319095	Chintan Patel				
20	206120319114	Patil Kushal Ravindra				

21	206120319126	Prajapati Parthik Dineshbhai				
22	206120319130	Khairnar Aditya Hemant				
23	206120319148	Hojefabhai Kutbuddinbhai Parmar				
24	206120319156	Yadav Suraj Dharmraj				
25	206120319158	Nitesh Sunil Borse				
26	206120319180	Jatab Piyushkumar Ajaybhai				
27	206120319204	Shivambhai Jashubhai Bhoi				
28	206120319149	Darshan Thakare		Diplom		
29	206120319151	Niraj Desale	Godrej &	a trainee	2,16,000	8/2/2023
30	206120319164	Viraj Chiniwala	Boyce	engine	_, ,	0/2/2020
31	206120319150	Darshan Borse		er		
32	206120319102	Gaurav Sanjay Dalal				
33	206120319146	Pathan Fardin khan Asraf khan				
34	206120319092	Satyam manojkumar mishra				
35	206120319048	Salunke Hammesh Devendrabhai		Appren		
36	196120319063	Jash Paradava	SRF LIMITED	tice	2,40,000	15/02/2023
37	216120319513	VISAVE DINESH ASHOK		Trainee		
38	206120319006	khambhati Dev Miteshbhai				
39	206120319172	Patel Kshitij Kumar Dharmendra				
40	196120319115	RAJBHAR MANJAY HIRALAL				

41 206120319030 Tarsariya Sagar M 42 206120319136 Rana Mo Zaid 43 216120319504 Dumraliya Nilesh Rameshbhai 44 206120319034 Rohan Dharmeshkumar Kansara 45 206120319160 Surti Devraj Hemant Rakeshbhai 46 206120319199 Patel Shubham Rakeshbhai 47 206120319053 Parth Dhamjibhai Italiya 48 206120319051 Patel Meetkumar Rameshbhai 49 206120319023 SHAH PALKUMAR SANJAYKUNAR	2023
43 216120319504 Dumraliya Nilesh Rameshbhai 44 206120319034 Rohan Dharmeshkumar Kansara 45 206120319160 Surti Devraj Hemant 46 206120319199 Patel Shubham Rakeshbhai 47 206120319053 Parth Dhamjibhai Italiya 48 206120319051 Patel Meetkumar Rameshbhai 49 206120319023 SHAH PALKUMAR	2023
Dharmeshkumar Kansara Shreeji automates PVT LTD (TATA MOTERS) 180000 2/3/2 206120319053 Patel Meetkumar Rameshbhai 49 206120319023 SHAH PALKUMAR Shreeji automates PVT LTD (TATA MOTERS) 180000 2/3/2	2023
45 206120319160 Surti Devraj Hemant 46 206120319199 Patel Shubham Rakeshbhai 47 206120319053 Parth Dhamjibhai Italiya 48 206120319051 Patel Meetkumar Rameshbhai 49 206120319023 SHAH PALKUMAR	2023
46 206120319199 Patel Shubham Rakeshbhai PVI LID (IAIA MOTERS) 47 206120319053 Parth Dhamjibhai Italiya 48 206120319051 Patel Meetkumar Rameshbhai 49 206120319023 SHAH PALKUMAR	2023
Italiya	
Rameshbhai 49 206120319023 SHAH PALKUMAR	
50 206120319109 PARMAR UMANGKUMAR HARESHBHAI.	
51 206120319113 NAVIK MAYANKBHAI MUKESHBHAI	
52 206120319112 KHALASI RONAK SATISHBHAI AM/NS India - Academy for Skill OJT 180000 27_28	
53 206120319125 PATEL SUNNY development MAHENDRABHAI	.5
54 206120319073 PATEL JAYKUMAR CHIMANBHAI	
55 206120319060 PATEL PREMKUMAR ANILBHAI	
56 206120319203 MANANI ABHAY RAJHESHBHAI	
57 206120319035 KESUR DIVYESH K Reliance Junior 24/02	/2023
58 206120319076 Patel Haday Industries engine 350000 To 25/02	

59	216120319507	RANA MITUL CHANDRAKANTBHAI				
60	206120319095	Patel chintan R				
61	206120319103	PATEL JASHKUMAR HITESHBHAI				
62	206120319130	Khairnar Aditya Hemant				
63	206120319149	Thakare Darshan				
64	206120319027	RAJPUT SUJIT	MEINHARDT	DET	336384	24.03.2023
65	206120319038	RAJKUMAR A. PATEL	Aditya Birla Group	DET	300000	05.04.2023
66	206120319182	PATIL DINESH SATISHBHAI	L& T POWER	DET	225600	





Glimpse of Campus Drive





Group Discussion



Personal Interview



Company Orientation

Departmental Activities

Sr.no	Date	Activity	No. of participants
1	02.07.22	Counseling with parents	150
2	04.07.22	Seed ball project	35
3	25.07.22	Training workshop on Emergency treatment	55
4	05.08.22	Journey of development of our national flag	32
	26.08.22	NBA Stakeholder meeting	150
5	05.09.22	Teacher's Day Celebration – 2022	90
6	12.01.23	Rastriya yuva Mahotsav	20
7	17.03.23	NSS special camp	40
8	23.03.23	Snack awareness program	95
9	10.05.23	Project fair-2023	160
10	17.06.23	Samuh suryanamskar	60
11	21.06.23	International yoga day	90

Counseling with parents: On 02/07/2022 at Bariya drawing hall Mechanical department had organized session for parents and students "Guidance to parents about students" performance and regularity in a class as well as to aware the less attendance students about importance of regularity in classroom. Total students and parents attended this session.





On 05/09/2022 at Seminar Hall, admin building. Teacher's Day was arranged on 5th September,2022 for final year students of Mechanical Department. All the 1st and 3rd semester students were benefited. This Teacher's Day will help them to get knowledge about various innovative teaching & learning ideas which are used in day today life.





Commemorating our national identity, 32 participants explored the historical journey of the development of our beloved national flag.

A Empowering our community with essential life-saving skills, 55 participants gained valuable knowledge in emergency treatment.



Project Expo: Welcome to our Diploma Mechanical Engineering Project Fair, where innovation meets excellence! The Department of Mechanical Engineering has organized Project Fair for the projects designed by students on innovative ideas and it was attracted to the visitors at the Project FAIR being organized by Mechanical Engineering Department in campus of Dr. S. & S. S. GHANDHY COLLEGE OF ENGG. & TECH. SURAT on 10-05-2023. The inaugural of the project exhibition was witnessed by the Principal –Mrs.Bindu Goel. Project Expo was organized by the faculty coordinators, Mr V.C.PRAJAPATI and Mr.A.B.PATEL.At the End of event Head of the Department has expressed his vote of thanks to staff members and students for their active participation.



Project Fair-2023

Creativity met environmental awareness as 20 participants showcased their talent in highlighting the importance of water conservation through impactful posters.







FACULTY PARTICIPATION DETAILS

TRAINING DETAILS:

INAI	NING DETAILS:		
SR. NO.	FACULTY NAME	Training Duration	TRAINING NAME
1.	SHRI K C PATEL	2022-06-27 TO 2022-07-01	Organizational Development and Institutional Reforms
2.	SHRI J J GOPANI	04-07-2022 TO 08-07-2022	ASSESSMENT OF LAB EXPERIMENTS IN MECH. ENGG., NITTTR BHOPAL
3.	SHRI J J GOPANI	27-03-2023 TO 31-03-2023	AIR CARGO HANDLING AND MANAGEMENT, ONLINE NITTTR BHOPAL
4.	SHRI M H KOLADIYA	27-03-2023 TO 31-03-2023	AIR CARGO HANDLING AND MANAGEMENT, ONLINE NITTTR BHOPAL
5.	Shri b d Shankar	27-03-2023 TO 31-03-2023	AIR CARGO HANDLING AND MANAGEMENT, ONLINE NITTTR BHOPAL
6.	SHRI A M AMBALIYA	04-07-2022 TO 08-07-2022	ASSESSMENT OF LAB EXPERIMENTS IN MECH. ENGG., NITTTR BHOPAL
7.	SHRI A M AMBALIYA	27-03-2023 TO 31-03-2023	AIR CARGO HANDLING AND MANAGEMENT, ONLINE NITTTR BHOPAL
8.	SHRI A A PATEL	29-08-2022 TO 02-09-2022	Governance and management of institutions
9.	KUM M I OZA	25/07/2022 to 19/08/2022	INTRODUCTION TO INDIAN ART -An APPRECIATION - MOOC online training
10.	KUM M I OZA	30/1/2023 to 3/2/2023	Prompting innovation and entrepreneurship in technical and vocational professionals, Nitttr Bhopal online
11.	SHRI K M SURTI	12-09-2022 TO 16-09-2022	RESEARCH METHODOLOGY, NITTTR BHOPAL
12.	SHRI A B PATEL	22-08-2022 TO 26-08-2022	LEARNING MANAGEMENT SYSTEM, NITTTR BHOPAL
13	SHRI A B PATEL	12-09-2022 TO 16-09-2022	IR 4.0 & DIGITAL MANUFACTURING, NITTTR BHOPAL
14.	SMT. A K PANDYA	25/07/2022 to 19/08/2022	INTRODUCTION TO INDIAN ART -An APPRECIATION - MOOC online training
15.	SHRI G V PATEL	25/07/2022 to 29/07/2022	TQM and Six Sigma for Engineering Institutions. NITTTR BHOPAL

16.	SHRI S N VASAVA	04-07-2022 TO 08-07-2022	ASSESSMENT OF LAB EXPERIMENTS IN MECH. ENGG., NITTTR BHOPAL
17.	KUM A I PATEL	25/07/2022 to 19/08/2022	INTRODUCTION TO INDIAN ART -An APPRECIATION - MOOC online training

EXPERT LECTURE DELIVERED:

SR. NO.	FACULTY NAME	DATE	ТОРІС	VENUE
1.	Mr. H. V. Gohil	29/7/2022	Restructuring Yourself by Power of Habit	Mumbai Institute of Technology, Bombay
2	Mr. H. V. Gohil	30/7/2022	Restructuring Yourself by Power of Habit	Government Polytechnic, Nasik
3	Mr. H. V. Gohil	05/07/2022	Restructuring Yourself by Power of Habit	Bhakt Kavi Narsinh Mehta University, Junagadh
4	Mr. H. V. Gohil	28/08/2022	Restructuring Yourself by Power of Habit	Saurashtra University, Rajkot

CO-CURRICULAR ACTIVITY

Industrial Visit Record Year 2022-23 TERM: 221 & 222

			I EKIVI: 2	.ZI Q Z			
Sr No	Industry / Company Name	Term	Date of visit	Sem.	Division	No of students	Name Of Faculties visited
			Tuesday, October 4, 2022	5th	Α	39	Mr.B.D.Shankar, Mr. H.V. Gohil
1	Maruti Suzuki (Dhru Motors) Udhana, Surat	221	Thursday, October 6, 2022		В	63	Mr.A.A. Patel, Mr. V. C. Prajapati
			Friday, October 7, 2022		С	43	wisited Mr.B.D.Shankar, Mr. H.V. Gohil Mr.A.A. Patel,
			Monday, January 9, 2023		D	55	
2	Jay Metal Tech, Udhana,Surat	001	Tuesday, January 10, 2023	3rd	D+E	47	, .
		221	Wednesday, January 11, 2023		E+F	45	· ·
			Thursday, January 12, 2023		F	31	
2	Faculty Of Engineering	222	Saturday, March 4, 2023	6th	A+B+C	138	Palsanawala, Mr. U.D. Rathod,
3	Technology, & Research, Bardoli	i 222	Saturday, March 18, 2023		A+B+C	105	Mr. K.M.Surati, Mr. P.B. Surani,
4	Adani Foundation, Adani Hazira Port Ltd, Surat	222	Monday, March 20, 2023	6th	A+B+C	50	•
5	NPCIL,Kakrapar, Surat	222	Saturday, May 6, 2023	6th	A+B+C	48	
6	Thermal & Hydro Power Plant, Ukai, Surat	222	Friday, May 12, 2023	6th	A+B+C	49	

Industrial Visit - Dhru Motors Visit

On 04/10/22, 06/10/22 and 07/10/22 at Dhru Motors, Udhna Industrial visit at Dhru motors workshop and car body workshop Udhna was arranged for the enhancing knowledge and explore students to industry. More than 150 students participate and get wide information about process and management.



ATOMIC POWER STATION Kakrapar Visit

Our department had organized one visit of RNGPIT college. The visit had basically four phases so Student completed these visits in 2 days that were 4/03/2023 and 18/3/2023. As there are so many things to visit so students were divided in four groups and group wise students visited four different sections. 1. Non-Destructive Testing 2. CAD/CAM Integration (3D/Printing) on second day Different labs of college that students visited. 1. Thermal lab (I.C engine) 2. HVAC lab 3. Machine lab 4.Hydrulic lab. Students also Visited World Class Common Engineering Facility Center Which Has Very Advance Machines.



ATOMIC POWER STATION, KAKRAPAR

The Mechanical Department, Dr. S. & S. S. Ghandhy College Of Engineering & Technology, arranged the industrial visit on 6 May 2023 at KAKRAPAR ATOMIC POWER STATION for the 6th Semester Mechanical Engineering Students to enhance their technical details and to get practical exposure about Nuclear Power Plant. Overall, very useful visit for students and well as

faculty members to get the updates regarding India's progress in power generation from nuclear energy and contribution of NPCIL in this. Student and Faculties gave overall feedback that such visits can be frequently organized for overall up gradation of knowledge.





Expert Lecturer Details

Sr no	Date	Term	Div	Lecture / Topic	No. of students
1	Saturday, October 1, 2022	221	A/B/C	Designing Software Used in Industry	59
2	Monday, February 13, 2023	222	A/B/C	Campus To Corporate	87
3	Monday, April 17, 2023	222	A/B/C	Get Set Goal	43
4	Friday, May 5, 2023	222	A/B/C	Design Of Jigs & Fixtures	40
5	Friday, May 5, 2023	222	A/B/C	Esprit CAM	40
6	Saturday, May 6, 2023	222	A/B/C	Recent Trends In Design & Modeling	98
7	Wednesday, June 7, 2023	222	D/E/F	Hands On Practice of NDT	164

A seminar and hands-on session on "Non-destructive Testing" was conducted by Mr. Amit Gabani, Mr. Vijay Nakrani and other team members of Bhavy Industrial Testing Services, Surat. Mr. S. M Kank, HOD, Mechanical and Mr. V. P. Palsanawala, TPO & LME addressed students about importance of NDT. Theory and practical sessions on different NDTs were conducted. Information about careers in NDT was also shared.



Hands On Practice of NDT

Hands On Practice of NDT







Expert lecture on "Recent trends designing & Modelling" was arranged on 06/05/2023 by Mechanical Department, which is conducted by Sr. App. Engineer, Software Evangelist of Sopan Associates aimed to provide valuable insights into the industrial trend in designing and modelling. The lecture included a comprehensive discussion on the design principles, case study examples, and their significance in achieving efficient and precise production. The event was attended mechanical faculties. The event was a valuable opportunity for faculty members to expand their understanding of this crucial aspect of mechanical engineering.



Recent trends on designing

& Modelling

| Control | Con

Mechanical Engineering Department Organize Expert lecture on "Campus to Corporate"13 february 2023 at seminar hall ,Admin Building. Mr. Sanket Sutariya, Junior Engineer in SRF, Dahej having experience of 8 years and 6 months in the field of Mechanical, delivered online expert lecture on "Campus to Corporate." He has explained how he was selected in the campus interview and motivate to students through his well-known experience and this event he always shows as Educational Achievement. 87 Students and 8 Faculties participate in this lecture.

Get Set Goal

Students were so glade to be part of such an amazing event and section where they were able to identify their goal and decide the path. So that they can achieve their goal more effectively. The best way for defining your goal is the trick given by PREET SIR and trick was to have a S.M.A.R.T Goal Were

S stand for Specific which mean u have to me specific what you want in your life

M Stand for the management of your drams and goal

A stand for appreciation

R stand for realistic be clear the goal you have decide are real or not

T stand for the time duration in which you are going to achieve your goal

After following this simple steps everyday specially in morning after walkup my vision gets clearer that what Students have to achieve in their life and how they are going to achieve that GOAL in my life. After that crystal clear vision, they are ready to take every step towards their goals. Once again special thanks to all the faculties of mechanical department for this amazing section and a special thanks to Preet sir to polish our dreams and goal and bring their shine

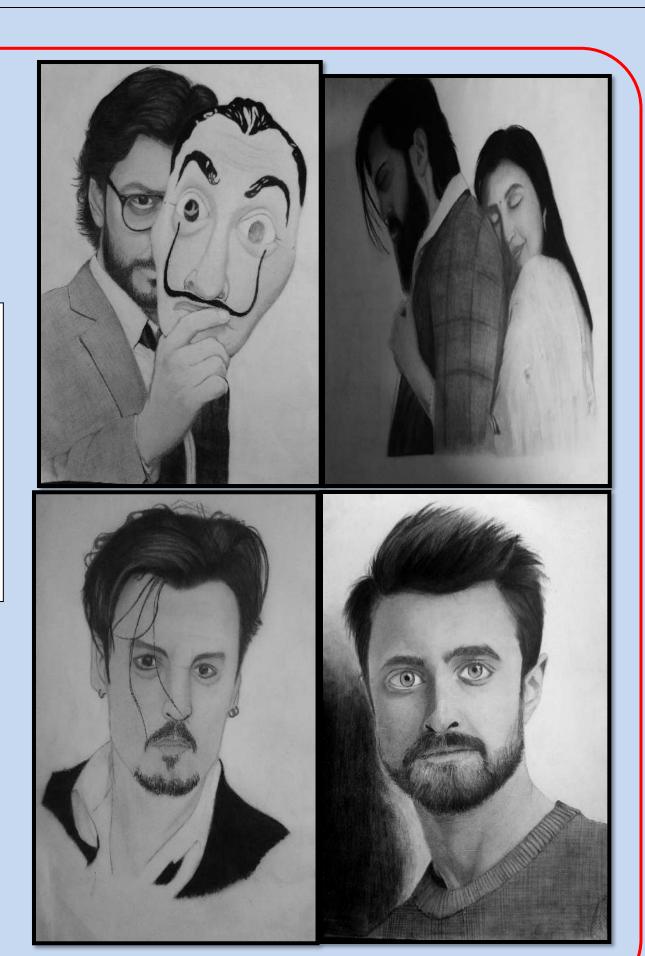


Creative Corner



SHEIL SHAMMY STUDENT, MECHANICAL

RATHOD KRUNAL (STUDENT MECHANICAL)



દરિયા હજાર છે ને અહીં કોઈ રણ નથી ને તે છતાં છે રણ બધે, જો એક જણ નથી

મૃગજળ નથી અહીં, અહીં કોઈ હરણ નથી. રણમાં તો રણની જેવું કોઈ આયરણ નથી.

મારી હથેળી જોઈને જ્યોતિષ કહી ઉઠ્યા, "લાગે છે તારા હાથમાં તારું મરણ નથી."

યહેરા ઉપર આ તારા લખેલી ઉદાસીઓ, વાંચી શકે છે, આંખ આ મારી અભણ નથી.

- મયૂર કોલડિયા
- વ્યાખ્યાતા મીકેનીકલવિભાગ



આદર્શ સ્ત્રી એટ્લે જેને અનુસરી શકાય: મયુર કોલડિયા

શહેરના વરાછા વિસ્તારમાં રહેતા અને જાણીતી કોલેજમાં પ્રોફેસર તરીકે ફરજ બજાવતા 33 વર્ષીય મથુરભાઈ કોલડિયા જણાવે છે કે, મારા માટે આદર્શ સ્ત્રી એટ્લે જેને અનુસરી



आहर्श स्त्री अट्ले क्ले अनुसरी शहाय. को हे आपनी संस्कृतिमां तो स्त्रीओ जाजपण्या के अमुह हामोमां प्रवीण थर्छ क्ती होय छे पण क्यारे એ पोताना वियारो अने मत लोहो समक्ष मूडी शहे त्यारे એ साया अर्थमां आहर्श हहेवाय छे, ने आवी क स्त्री समाक्ष्मे आगज पण लावी शहे छे. को हे घणा लोहो स्त्रीने पुरुष समोवडी हहेता होय छे पण हुं इहुं छु हे स्त्रीमां सेवा गुणो होय छे हे के हेटलाह पुरुषो न हरी शहे सेवा हाम पण हरी शहे छे, तेमक स्त्रीनुं सेह सलग अस्तित्व छे केने तमे पुरुष समोवडा होवानुं जिरुह न आपी शहो. मारा मारे मारी आहर्श स्त्री तरीहे हुं समारा क होलेकना आयार्वने मानुं छु. हारण है तेमने कोईने क हुं आगज वधवानी प्रेरणा लिउ छू.' ■

ARTICLE OF SHREE MAYUR KOLADIYA PUBLISHED IN GUJARAT MITRA



Editorial Board

Editor

Mr. Vimal C Prajapati (Lecturer in Mechanical)

Ms. Mira I Oza (Lecturer in Mechanical) (Lecturer in Mechanical)

Mr. J. V. Mistry





CONTACT US

Majura Gate, Ring Road,

Contact No.: (0261) 2655799

Mail: enewsletterssg@gmail.com

Website:

www.ssgc.cteguj.in

THANK YOU FOR JOIN WITH US

MECHANICAL ENGINEERING

DEPARTMENT