



Head of the Department's Message



Dr. A B Dhruv

Dear Students & Faculty Members,

I wish all of you a very Happy New Year 2021 and all are safe and healthy.

Year 2020 has finally finished and while passing has taught so many learning lessons which may turn key points in our life here after. This pandemic has added the new dimensions to teaching techniques and way to connect with students as well as outer world.

Through last six months our staff members and students has adapted with new situation and has enhanced the skills to deliver their knowledge through online platforms. Though computers and internet were introduced so long back but use of online teaching mode was not so popular but this pandemic has removed that backlash and has brought teachers and learner closer.

I would like to thank all those speakers and experts who spared their valuable time for our students. Though physical industrial visits were not possible but experts from NPCIL, Kakrapar has conducted the webinar and has imparted their knowledge to our students in the field of nuclear energy. It was a different experience where industry reached to campus. We are planning to conduct such more virtual industrial visits with collaboration of industries in upcoming days.

Lastly, I would like to appreciate all my staff members and students who kept the teaching learning experience alive even through online platforms. Hope this New Year brings happiness and prosperity and helps us to let forget the losses of past year

Contents

1. Departmental Activities
2. SAEINDIA Club Activities
3. Research or Publication
4. Expert Lectures Delivered
5. Faculty Achievement
6. Training Attended
7. Achiever Section
8. Department Faculty

Newsletter Committee

Dr. D M Patel (Advisor)
Prof. S A Pawar
Prof. V A Thakar

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1. Departmental Activities

- ❖ Webinar on “Manufacturing processes & ESPRIT CAM Software” was organized on dated 02 July, 2020 & 2:00 PM TO 3:30 PM through Google Meet. Webinar was organised Mr. Naimesh Shethiya in collaboration with Sopan Institute of Engineering and Design, Ahmedabad on 2 July 2020, more than 100 participants attended the webinar. The session was very informative. All participants were very interactive and were asking questions about their doubts in this domain. There was an overhauling response from the audience after attending this session and Mr Naimesh also deliberately delivered his knowledge in this field. Knowledge imparted to students in the field of manufacturing processes & computer aided manufacturing and utilization of software to enhance productivity quality of manufacturing industry.



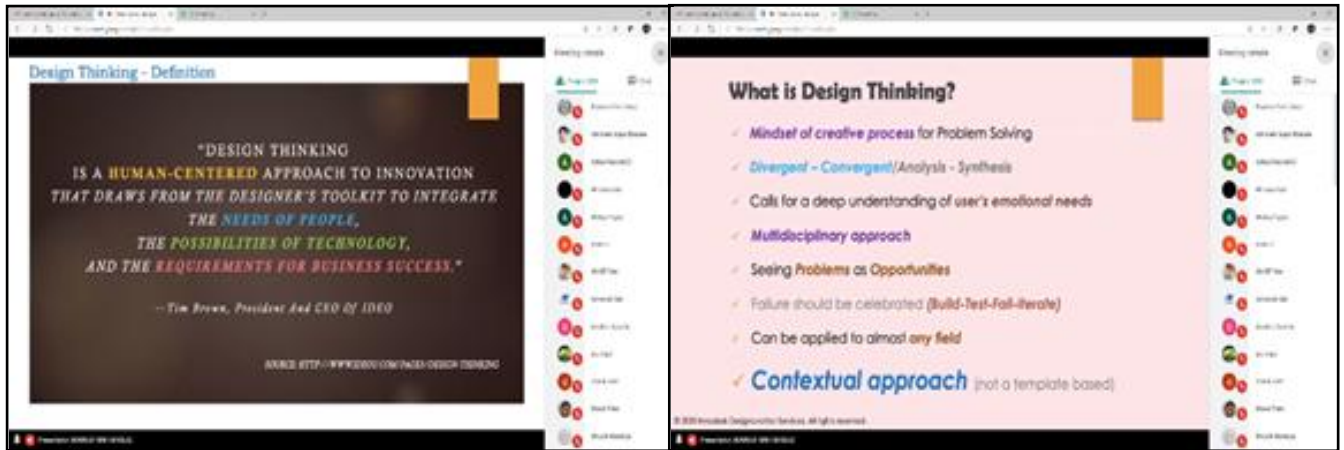
Webinar on “Manufacturing processes & ESPRIT CAM Software”

- ❖ Webinar on “FOUNDRY PROCESSES & DIE/MOLD MAKING” was organized on 04 September, 2020 at 1:00 PM TO 2:30 PM through Google Meet. Webinar was organized with Mr. Naimesh Shethiya in collaboration with Sopan Institute of Engineering and Design, Ahmedabad. More than 100 participants attended the webinar. The objective of this session was to enhance the technical in-depth knowledge of industrial application in the field of foundry processes and die / mold making processes.



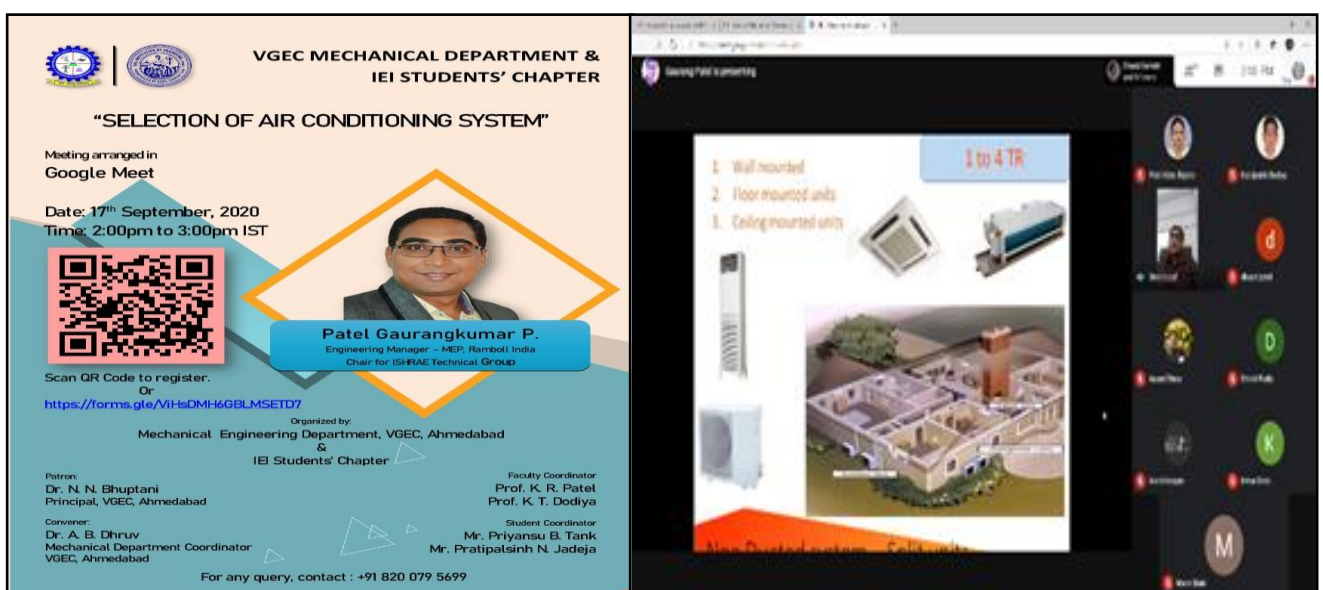
Webinar on “FOUNDRY PROCESSES & DIE/MOLD MAKING”

- ❖ Webinar on “Innovation and Start-up from Design Thinking Perspective” organized by Department and SSIP Cell on 05 September, 2020 at 10:30 AM. Prof. Karnjitsinh Bihola, Founder, Innodesk Designovation Services, Ahmedabad conducted this webinar. The main objective of the webinar is to understand the step by step yet iterative process of innovation and creating start-up. Another objective of webinar was developing skills among students by applying a design thinking approach into their academic projects. The main outcome of the webinar was knowing and understanding nuances of design thinking for Innovation and Entrepreneurship ecosystem development in the academic institutions. Students were motivated to solving real issues rather than just copy pasting their academic projects.



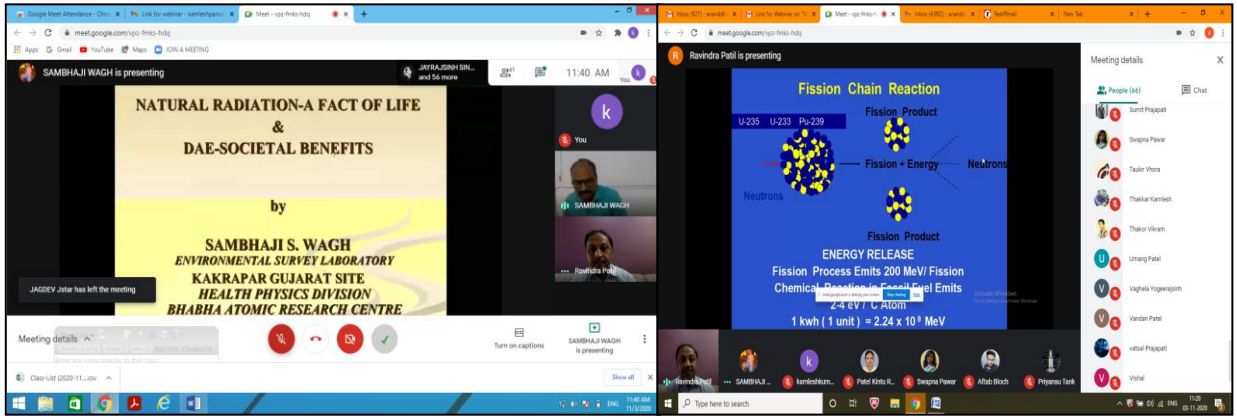
Webinar on “FOUNDRY PROCESSES & DIE/MOLD MAKING

- ❖ Webinar on “Selection of Air Conditioning System” was organized by Department and IEI Students’ Chapter, on 17 September, 2020 at 02:00 PM. Mr. Patel Gaurangkumar P., Engineering Manager – MEP, Ramboll India conducted this webinar. The main objective of the webinar is to introduce the field of HVAC and Air Conditioning Systems to the students, make them aware about different types of air distribution systems, recent developments and future scope and opportunities. The second major objective is to make HVAC systems more compact, good design aesthetically and design a system in such a way that it affects the environment as minimum as possible using different tools, techniques and software’s available in the market. Students were able to identify design aspects and considerations, perform load calculations and select the appropriate HVAC system for given conditions. Students were made aware about the current scenario of global warming and learn about the rules and regulations applied globally for designing HVAC systems.



Webinar on “Selection of Air Conditioning System”

- ❖ Webinar on Nuclear Power Plant was organized for VII and V semester students. The main objective of the webinar was to introduce the various components of Nuclear power plants in details to the students, make them aware about the functioning of Nuclear Power plant Kakrapar, recent developments, future scope and to remove myth about radioactive radiations and how they are not harmful if controlled properly. Mr. R B Patil, Scientist Officer and Mr. S S Wagh Scientist Assistant from Nuclear power Plant, Kakrapar were invited for one hour session. Expertise of speaker helped our students to gain the knowledge about technical aspects of power generation and exposure regarding the modern technologies used in Nuclear Power Plant. This event was coordinated by Prof. K R Patel, Prof S A Pawar and Prof K T Dodiya.

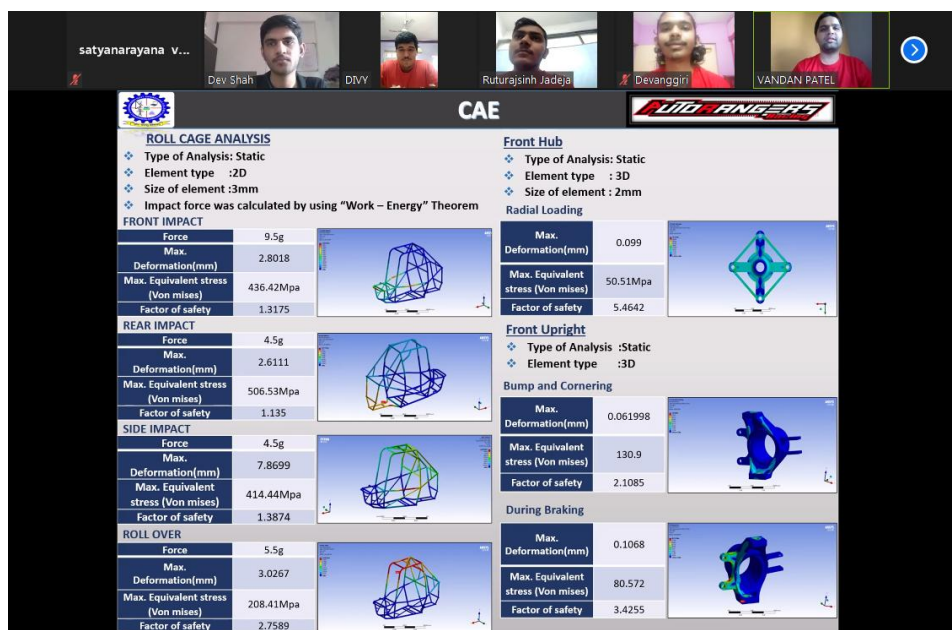


Webinar on Nuclear Power Plant

2. SAEINDIA Club Activities

- ❖ BAJA SAEINDIA

BAJA SAE INDIA is a national level All-terrain vehicle designing and racing event. This year due to COVID-19, the preliminary round was organized from 12 - 13 December, 2020 by means of online mode. The student team of Mechanical Engineering and Electrical Engineering department stood 31st out of 200 teams in all over India and 2nd rank in Gujarat. The main events are going to happen by the end of March 2021 with the help of simulation software



BAJA SAEINDIA, preliminary round through online mode

3. Research or Publication

Name of Faculty	Publication / journal/ Conference /Book	Title of Publication	Name of Book/ Conference /journal	Type of Publication National/ International	ISSN/ ISBN
Dr. D M Patel	Journal	Investigation on Different Material Surface in Wire Electrical Discharge Machining Using Main Cut to Trim Cut Strategy	International Journal of All Research Education & Scientific Methods	International	ISSN: 2455-6211, New Delhi, India Volume 8, Issue 12, December-2020, Impact Factor: 7.429,
Dr. D M Patel	Journal	A Surface Integrity Find on Sailma350HI and Titanium in Wire Electrical Discharge Machining Using Main Cut to Trim Cut Strategy	International Journal for Research in Engineering Application & Management (IJREAM)	International	ISSN : 2454-9150 Vol-06, Issue-09, DEC 2020

4. Expert Lectures Delivered

Name of Faculty	Topic	Name of the institute	Date
Dr. A B Dhruv	International conference on Recent advancements in Design and Manufacturing (ICRADM 2020)	SVNIT , Surat	17 July, 2020
Dr. Dhaval M Patel	COVID - 19 Awareness Drive	Vishwakarma Government Engineering College	05 Nov, 2020
Dr. Dhaval M Patel	LASER WELDING TECHNOLOGY	Parul Institute of Technology	29 December, 2020
Dr. A B Dhruv	Programme Articulation Matrix Continuous improvement	LDCE, AHMEDABAD	30 December, 2020

5. Faculty Achievement

Name of Faculty	Brief Description of Achievement	Name and Address of Awardee	Month and Year of Award
A B DHRUV	BOG MEMBER	SAE INDIA WESTERN CHAPTER	JULY-2020
A B DHRUV	BOG MEMBER	GANPAT UNIVERSITY	AUG-2020
A B DHRUV	ACADEMIC COUNCIL MEMBER	BVM, VV NAGAR	JULY-2020

6. Training attended

Name of Faculty	Topic	Name of the institute	Date
D M Patel	Webinar on “Manufacturing processes & ESPRIT CAM Software”	Mech.Dept.,VGEC, Chandkheda	2 July, 2020
S A Solanki	Webinar on “Manufacturing processes & ESPRIT CAM Software”	Mech.Dept.,VGEC, Chandkheda	2 July, 2020
D.B.Patel	Webinar on “Manufacturing processes & ESPRIT CAM Software”	Mech.Dept.,VGEC, Chandkheda	2 July, 2020
M M Modan	Webinar on “Manufacturing processes & ESPRIT CAM Software”	Mech.Dept.,VGEC, Chandkheda	2 July, 2020
A A Pujara	Webinar on “Manufacturing processes & ESPRIT CAM Software”	Mech.Dept.,VGEC, Chandkheda	2 July, 2020
S A Solanki	Webinar on “Understanding Tribology of Materials for better deployment in Application”	IIW-PDPU student chapter	10 July, 2020
D M Patel	Hand on Training “Ansys Mechanical & Ansys CFD”	Mech.Dept.,VGEC, Chandkheda	13-15 July, 2020
S A Solanki	Hand on Training “Ansys Mechanical & Ansys CFD”	Mech.Dept.,VGEC, Chandkheda	13-15 July, 2020
K. R.Patel	Hand on Training “Ansys Mechanical & Ansys CFD”	Mech.Dept.,VGEC, Chandkheda	13-15 July, 2020
D.B.Patel	Hand on Training “Ansys Mechanical & Ansys CFD”	Mech.Dept.,VGEC, Chandkheda	13-15 July, 2020
K T Dodiya	Hand on Training “Ansys Mechanical & Ansys CFD”	Mech.Dept.,VGEC, Chandkheda	13-15 July, 2020
R. P. Vyasa	Hand on Training “Ansys Mechanical & Ansys CFD”	Mech.Dept.,VGEC, Chandkheda	13-15 July, 2020
T Y Rathod	Hand on Training “Ansys Mechanical & Ansys CFD”	Mech.Dept.,VGEC, Chandkheda	13-15 July, 2020
S A Pawar	Hand on Training “Ansys Mechanical & Ansys CFD”	Mech.Dept.,VGEC, Chandkheda	13-15 July, 2020
V A Thakar	Hand on Training “Ansys Mechanical & Ansys CFD”	Mech.Dept.,VGEC, Chandkheda	13-15 July, 2020
A A Pujara	Hand on Training “Ansys Mechanical & Ansys CFD”	Mech.Dept.,VGEC, Chandkheda	13-15 July, 2020
R. P. Vyasa	Webinar on In Conversation with Mr. Madhur Deora Paytm: Building a Homegrown Startup	i-Hub, Gujarat	26 July, 2020
K T Dodiya	Online UDAYAM E- Content course	KCG Ahmedabad	28 July-18 August, 2020
K. R.Patel	Online UDAYAM E- Content course	KCG Ahmedabad	28 July-18 August, 2020
R. P. Vyasa	Online UDAYAM E- Content course	KCG Ahmedabad,	28 July-18 August, 2020
D.B.Patel	Online UDAYAM E- Content course	KCG Ahmedabad,	28 July-18 August, 2020
R. P. Vyasa	Online workshop for "Yoga for Concentration and Usefulness"	GTU	24 – 26 August, 2020
D M Patel	Online FDP on "Advancement in Manufacturing Technologies for Industrial Applications"	Gyan Ganga Institute of Technology and Sciences	24 – 28 August, 2020
K. R.Patel	Certificate course in “ Comprehensive Online Intellectual Property Rights(IPR)”	I- Hub	6 July- 14 Sept, 2020

K T Dodiya	Certificate course in “ Comprehensive Online Intellectual Property Rights(IPR)”	I- Hub	6 July- 14 September, 2020
R. P. Vyasa	Certificate course in “ Comprehensive Online Intellectual Property Rights(IPR)”	I- Hub	6 July- 14 September, 2020
D.B.Patel	Certificate course in “ Comprehensive Online Intellectual Property Rights(IPR)”	I- Hub,	6 July- 14 September, 2020
S A Solanki	Webinar on” Vulvovaginal and Menstrual Health & Hygiene”	WDC,VGEC	29 August, 2020
K. R.Patel	Webinar on” Vulvovaginal and Menstrual Health & Hygiene”	WDC,VGEC	29 August, 2020
T Y Rathod	Webinar on” Vulvovaginal and Menstrual Health & Hygiene”	WDC,VGEC	29 August, 2020
R. P. Vyasa	Webinar on” Vulvovaginal and Menstrual Health & Hygiene”	WDC,VGEC	29 August, 2020
S A Solanki	Webinar on “Foundry processes & die/mould making”	VGEC-MECH and SOPAN institute of Engg. & Design	4 September, 2020
D M Patel	Webinar on “Foundry processes & die/mould making”	VGEC-MECH and SOPAN institute of Engg. & Design	4 September, 2020
K. R.Patel	Webinar on “Foundry processes & die/mould making”	VGEC-MECH and SOPAN institute of Engg. & Design	4 September, 2020
T Y Rathod	Webinar on “Foundry processes & die/mould making”	VGEC-MECH and SOPAN institute of Engg. & Design	4 September, 2020
R. P. Vyasa	Webinar on “Foundry processes & die/mould making”	VGEC-MECH and SOPAN institute of Engg. & Design	4 September, 2020
D M Patel	Webinar on 'Innovation and Start-up from Design Thinking Perspective'	Mech.Dept. and SSIP Cell, VGEC, Chandkheda	5 September, 2020
K T Dodiya	Webinar on 'Innovation and Start-up from Design Thinking Perspective'	Mech.Dept. and SSIP Cell, VGEC, Chandkheda	5 September, 2020
M M Modan	Webinar on 'Innovation and Start-up from Design Thinking Perspective'	Mech.Dept. and SSIP Cell, VGEC, Chandkheda	5 September, 2020
R. P. Vyasa	Online FDP on “3D Printing & Design”	AICTE training & learning (ATAL) Academy	14-18 September, 2020
A B Dhruv	Webinar on “Selection of Air conditioning System”	Mech.Dept.,VGEC, Chandkheda & IEI Student	17 September, 2020
S A Solanki	Webinar on “Selection of Air conditioning System”	Mech.Dept.,VGEC, Chandkheda & IEI Student	17 September, 2020
K. R.Patel	Webinar on “Selection of Air conditioning System”	Mech.Dept.,VGEC, Chandkheda & IEI Student Chapter	17 September, 2020

K T Dodiya	Webinar on “Selection of Air conditioning System”	Mech.Dept.,VGEC, Chandkheda & IEI Student	17 September, 2020
D M Patel	One Day National Webinar on NAAC Assessment And Accreditation Guidelines In Post Covid-19 Era	Internal Quality Assurance Cell in association with National Assessment & Accreditation Council, Bengaluru	30 September, 2020
S A Solanki	Webinar on “Social Entrepreneurship (Opportunities & Challenges)”	WDC,VGEC	2 October, 2020
A A Pujara	Multi Attribute Decision Making and Its Industrial Applications	SVNIT, Surat (Online Mode)	2-6 November, 2020
S A Solanki	Webinar on “Nuclear power plant”	Mech.Dept.,VGEC, Chandkheda	3 November, 2020
K. R.Patel	Webinar on “Nuclear power plant”	Mech.Dept.,VGEC, Chandkheda	3 November, 2020
K T Dodiya	Webinar on “Nuclear power plant”	Mech.Dept.,VGEC, Chandkheda	3 November, 2020
S A Solanki	"COVID-19 Awareness Drive"	VGEC,Chandkheda	5 November, 2020

7. Achiever Section

❖ Student Placement Details

Sr No	EnrollmentNo	Name	Company Name
1	160170119057	Niladri Datta	Apex Hussain
2	160170119024	Mihir Chimanbhai Panchal	ASCENSCO
3	170173119003	Deep Arvind Bhavsar	DESMA
4	160170119021	Milankumar Atulkumar Nanavati	K L Projects Ltd.
5	160170119054	Dhruvilkumar Dineshbhai Valand	K L Projects Ltd.
6	160170119001	Abhi Rajesh Jhala	LM Wind Power

8. Department Faculty (As on December 2020)

Sr. No.	Name of Faculty	Designation	Higher Qualification	Teaching Experience
1	Prof. A B Dhruv	Professor	Ph.D. (Mechanical)	25
2	Prof. D M Patel	Professor	Ph.D. (Mechanical)	19
4	Prof. R P Vyasa	Associate Professor	M.E. (Mechanical) (CAD/CAM)	28
5	Prof. H A Miskin	Associate professor	ME(CAD CAM)	22
7	Prof. R K Patel	Associate Professor	M.E (Cryogenic)	19
8	Prof. K R Patel	Associate Professor	M.E (IC Auto)	16
10	Prof. S A Pawar	Assistant Professor	M.E (Thermal Science)	12
11	Prof. V J Chauhan	Assistant Professor	M.E (IC Auto)	12
12	Prof. J M Joshi	Assistant Professor	M.E (Cryogenics)	16
15	Prof. D B Patel	Assistant Professor	M.Tech. (Design Engineering)	8
16	Prof. A A Pujara	Assistant Professor	Ph.D. (Mechanical)	13
17	Prof. S B Pipaliya	Assistant Professor	M.TECH. (Thermal Engineering)	9
18	Prof. M M Modan	Assistant Professor	M.E. (CAD/CAM)	7
19	Prof. K T Dodiya	Assistant Professor	M.E. (Mechanical) (Cryogenic)	9
20	Prof T Y Rathod	Assistant Professor	M.E (Machine Design)	13
21	Prof. S A Solanki	Assistant Professor	M.E (Jet Propulsion and Gas Turbine Plant)	13
22	Prof. J B Dabhi	Assistant Professor	M.E (Thermal Engineering)	8
23	Prof. V A Thakar	Assistant Professor	B.E (Production Engineering)	12