

Mech at a Glance

(E-NEWS LETTER)

HALF YEARLY MAGAZINE

JULY- DEC 2021

MECHANICAL ENGINEERING DEPARTMENT
GOVERNMENT ENGINEERING COLLEGE PALANPUR



Government of Gujarat
GOVERNMENT ENGINEERING COLLEGE PALANPUR
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Editorial Board

Prof. A D Patel

Prof. A K Patel

Contact us

Mechanical Engineering Department
Government Engineering College, Palanpur
Jagana, Palanpur-Ahmedabad highway,
Palanpur – 385011,
Gujarat, India

Vision and Mission of Institute

VISION

“To be a leading technical institute facilitating transformation of human resources into socially responsible engineering professionals for sustainable development”

MISSION

- (1) To achieve academic excellence by developing state-of-the-art laboratories and academic infrastructure.
- (2) To create ecosystems that promote value based technical education, innovation and entrepreneurship for sustainable development.
- (3) To contribute to industry and society by providing technical and consultancy services.
- (4) To enhance technical competencies of human resources by providing need base trainings and quality improvement programs.

Vision and Mission of Department

VISION

"To produce competent mechanical engineers to fulfil needs of society for sustainable development"

MISSION

- (1) To impart quality technical education in Mechanical Engineering with professional skills.
- (2) To develop linkages with industry for exposure about real life problems and its feasible solution.
- (3) To promote lifelong learning, Innovation and entrepreneurship for sustainable development.
- (4) To assimilate social, cultural and ethical values for betterment of society.

The department has consistently maintained an exemplary academic and research record. It makes students to gain a comprehensive knowledge and understanding of subjects. This one aims to inculcate values of basic knowledge of Engineering, science, computer, mathematical, techniques of communication skill & management which will imbibe the ability to apply the basic problem solving techniques of the society. With great demand in industry and great placement opportunities, the department stands tall and proud. I believe that my team consisting of students, staff and faculty is capable of doing wonders.

I have witnessed the continuous encroachment of our department, particularly through these COVID 19 pandemic challenging periods. This fall, courses will be delivered in online platforms formats to maintain our nationally recognized hands-on student experience, while taking the necessary measures to create a safe environment for our students, faculty and staff. This newsletter is an attempt to highlight the achievements of the department, in this we have showcased the best and look forward to have more in the future on a quarterly editions.



Prof. (Dr.) J. A. Vadher

Faculties of Department

Sr. No.	Name of Faculty	Designation	Area of Work	Teaching Experience (Years)
1	Prof. (Dr.) K. B. Judal	Principal & Professor	Computer aided Design and Manufacturing Unconventional Manufacturing Process	21
2	Prof. (Dr.) J. A. Vadher	Professor & Head	Production, Industrial, Automation	23
3	Prof. A. B Patel	Assistant Professor	Thermal Engineering	20
4	Prof. V. D. Patel	Assistant Professor	Thermal Science	20
5	Prof. S. K. Dabhi	Assistant Professor	Solar Energy, IC Engine, Auto.	14
6	Prof. N. A. Patel	Assistant Professor	CAD/CAM	17
7	Prof. A. D. Patel	Assistant Professor	Machine Design	18
8	Prof. V. K. Patel	Assistant Professor	Machine Design	17
9	Prof. A. R. Chaudhari	Assistant Professor	Machine Design	14
10	Prof. P. N. Boka	Assistant Professor	Design Engineering	16
11	Prof. A. K. Patel	Assistant Professor	Advance Manufacturing Techniques	14
12	Prof. N. T. Raval	Assistant Professor	CAD/CAM	08

Innovative Practices in Teaching-learning/Assessment Process

Sr. No.	Methodology	Related Subject	Class	Name Of Staff
1	Online assessment by MCQ based quiz using MS Team	Power Plant Engineering, Turbo Machines	VII	Prof. A B Patel
2	Online assessment by MCQ based quiz using MS Team	HT & RAC	V & VII	Prof. V.D.Patel
3	Course module wise NPTEL video lectures link is shared with student after completion of module for revision and in depth self learning.	Engineering Thermodynamics	III	Prof.S.K.Dabhi
4	Online assessment by MCQ based quiz using MS Team	Engineering Thermodynamics	III	Prof.S.K.Dabhi
5	Seminar topics were given in group of two students	Advanced machine design	VII	Prof. A. D. Patel
6	Online assessment by MCQ based quiz using MS Team	Dynamics of Machinery	V	Prof. A. R. Chaudhari
7	Online assessment by MCQ based quiz using MS Team	KTM	III	Prof. P. N. Boka

Result Analysis

Winter 2021		Nos. of students appeared	Nos. of students passed	Pass %
FY	I Sem	19	2	10.53%
SY	III Sem	77	25	32.47%
TY	V Sem	68	22	32.35%
LY	VII Sem	50	32	64.00%

Topper of GTU Exam

FY	Sr. No	Enrollment No	Name	SPI
	1	210610119003	PANCHAL VRUSHABH RAJUBHAI	7.52
	2	210610119001	VAGHELA ANURAGSINH MAHENDRASINH	7.04
	3	210610119007	PURABIYA MAHARSHI RAJESH	6.61
SY	Sr. No	Enrollment No	Name	SPI
	1	210610119502	VISHWAKARMA RITIK BRIJKISHOR	7.74
	2	210610119501	PATEL KHUSH PRADIPKUMAR	7.57
	3	200610119021	BHATT KRISH SUNILKUMAR	7.48
TY	Sr. No	Enrollment No	Name	SPI
	1	190610119053	SHARMA PRIYANSHU NAGARMAL	8.65
	2	200610119524	KURESHI UVES JAVID	8.24
	3	200610119509	KASHYAP RAJEEV RAJENDRABHAI	8.1
LY	Sr. No	Enrollment No	Name	SPI
	1	180610119039	PATEL JANAKKUMAR GOVINDBHAI	8.5
	2	180610119041	PATEL KISHANKUMAR VINODBHAI	8.33
	3	180610119026	MODH DEEP ASHOKKUMAR	8

Faculty/staff training/seminar/conferences attended

Sr. No	Name of Faculty	Title of Training	Name of Institute/Organizer	Duration	
				From	To
1	Prof. V.D.Patel	Accreditation and Outcome based Learning	MOOC- IIT,Kharagpur	July 2021	Sept. 2021
2	Prof. V.D.Patel	Assessment and Utilization of Renewable Energy Resources	GEC,Palanpur	13/09/2021	17/09/2021
3	A D Patel	Accreditation and Outcome based Learning	MOOC- IIT,Kharagpur	July 2021	Sept. 2021
4	A D Patel	Assessment and Utilization of Renewable Energy Resources	GEC,Palanpur	13/09/2021	17/09/2021
5	A B PATEL	Elements of FEM	AICTE Training And Learning (ATAL) Academy Online Elementary FDP by Government Engineering College, Bharuch.	26/07/2021	30/07/2021
6	A B PATEL	Accreditation and Outcome based Learning	MOOC- IIT,Kharagpur	July 2021	Sept. 2021
7	P N BOKA	Accreditation and Outcome based Learning	MOOC- IIT,Kharagpur	July 2021	Sept. 2021
8	A R Chaudhari	Accreditation and Outcome based Learning	MOOC- IIT,Kharagpur	July 2021	Sept. 2021
9	A K Patel	Assessment and Utilization of Renewable Energy Resources	GEC,Palanpur	13/09/2021	17/09/2021

National / International Publications (Conference /Journal and Patent):

Name of staff	Title of paper	Name of journal	Month & Year of publication	Volume Issue Page no ISSN/ISSP No.
P N BOKA	Use of Computational Fluid Dynamics for Solar Desalination System: A Review	International Journal of Ambient Energy	August-2021	https://doi.org/10.1080/01430750.2021.1965019
P N BOKA	SOLAR DESALINATION APPRATUS WITH BOTTOM REFLECTOR	THE PATENT OFFICE GOVERNMENT OF INDIA	June-2021	
A R Chaudhari	Development and experimentation of modified electro-chemical magnetic abrasive finishing	MATERIALS AND MANUFACTURING PROCESSES	December-2021	https://doi.org/10.1080/10426914.2021.2016822

Department Activities / Achievements

- Prof.V.D.Patel,Committee Member for designing syllabus of "Green Energy" under Kaushlya - the Skill University , ITI Palanpur
- Students from college of Renewable Energy and Environmental Engineering, Sardarkrushinagar Dantiwada Agricultural University visited Refrigeration and Air conditioning laboratory and performed experiments

Student Projects

Sr. No.	Name of Student	Enrollment Number	Name of Guide	Name of Internship Industry
1	Patel Margesh Sanjaykumar	170610119034	Dr. N. A. Patel	SOFCOON INDIA PVT. LTD.
2	Patel Vrutik Rameshbhai	170610119040	Prof. P. N. Boka	Maxim Tubes Company Pvt Ltd
3	Valvi chandrakant Mansingbhai	170610119059	Prof. A. D. Patel	Rathod Autolink Pvt Ltd. KIA Motors Vapi
4	Aedaliya Lomeshkumar Dahyabhai	180610119001	Prof. V. D. Patel	Arihant pump private limited
5	barad hiren hardasbhai	180610119002	Prof. A. R. Chaudhari	HARSH POLYPACK PVT .LTD
6	Aashishkumar Virjibhai Chaudhary	180610119007	Prof. A. B. Patel	Banas Dairy
7	Chaudhary Dineshbhai Ramjibhai	180610119009	Prof. A. B. Patel	Banas Dairy
8	Chorasiya Akshay Rakeshkumar	180610119013	Prof. V. D. Patel	CAPTAIN PUMPS PVT.LTD
9	Jayswal Shreyash Matul Bhai	180610119015	Dr. N. A. Patel	Ammann India Private Limited
10	Jethva parth arvindbhai	180610119016	Prof A. R. Chaudhari	HARSH ENTERPRISE
11	Limbachiya Kunjan Jayeshkumar	180610119019	Prof. A. B. Patel	Ice make refrigeration limited
12	Loh Sanjaybhai Babubhai	180610119020	Prof. A. B. Patel	Banas dairy, palanpur
13	Maknojiya Mohammad Yasinbhai	180610119021	Prof. S. K. Dabhi	Hi-tech seal pvt ltd
14	Malviya Ishan Niraj	180610119022	Prof. A. D. Patel	Krishna Maruti Ltd Seat Division
15	Mevada Kamleshkumar Raychandbhai	180610119024	Prof. A. D. Patel	Mahindra Punjab Automobile
16	Modh Deep Ashokkumar	180610119026	Prof. V. D. Patel	Caption Pumps (CAPTAIN PUMPS PVT. LTD.)
17	Nayi Chandreshkumar Chamanbhai	180610119027	Dr. N. A. Patel	Sofcon India Pvt. Ltd.
18	Pal Shivam Suresh	180610119029	Prof A. R. Chaudhari	Aalidhra texpro engineers pvt. ltd
19	Panchal Nirav Pareshbhai	180610119030	Prof. A. R. Chaudhari	Shree Dhan Industries LLP
20	Panchal Sanketkumar	180610119031	Prof. S. K. Dabhi	BANCO PRODUCTS IND

	Kanaiyalal			LTD
21	Parmar Jinendrakumar Manilal	180610119033	Dr. N. A. Patel	Sofcon India Pvt. Ltd.
22	Parmar Neelkumar Prakashkumar	180610119034	Prof. A. R. Chaudhari	Shree Dhan Industries LLP
23	Patel Deepkumar Prakashkumar	180610119036	Prof. V. D. Patel	CAPTAIN PUMPS PVT. LTD
24	Dharmik patel	180610119037	Prof. P. N. Boka	Pradip industries
25	Patel Janakkumar Govindbhai	180610119039	Prof. V. D. Patel	Caption Pumps(CAPTAIN PUMPS PVT. LTD.)
26	Patel Kris Maheshbhai	180610119042	Prof. V. D. Patel	Duke Pipes Private Limited
27	Patel Parthkumar Hasmukhbhai	180610119043	Prof. V. D. Patel	AMMANN INDIA PVT. LTD.
28	Patel Viraj Mahesbhai	180610119046	Prof. A. D. Patel	Rathod Autolink Kia Motors
29	Patel Yash Amrutbhai	180610119047	Dr. N. A. Patel	Gayatri Ispat
30	Prajapati Dipeshkumar Gangarambhai	180610119048	Prof. V. D. Patel	CAPTAIN PUMPS Pvt.Ltd.
31	Prajapati Naresh kumbhabhai	180610119049	Prof. A. R. Chaudhari	Balaji Engineering
32	Raval Manthan Hiteshkumar	180610119053	Dr. N. A. Patel	Gaytri Ispat
33	Sanura Ravi Hareshbhai	180610119054	Dr. N. A. Patel	SOFCOON INDIA PVT.LTD.
34	Singh Rohankumar Ajaykumar	180610119056	Dr. N. A. Patel	Gayatri Ispat
35	Solanki Abhay Kailashbhai	180610119057	Prof. A. D. Patel	mahindra punjab automobiles
36	Naresh Suthar	180610119059	Prof. P. N. Boka	Desai brothers Limited.
37	Tiwari Shivansh Sunil	180610119062	Prof. P. N. Boka	HARSH POLYPACK PVT. LTD.
38	Tomar SachinKumar	180610119063	Dr. N. A. Patel	SOFCOON india pvt ltd
39	Ajay Varma Jhagruprasad	180610119064	Prof. P. N. Boka	J.U. Mistry & Sons
40	Adityasinh Mansinh Bhati	190613119001	Prof. A. R. Chaudhari	Balaji Engineering
41	Gauswami Rajeshpuri Shambhupuri	190613119002	Prof. A. R. Chaudhari	Balaji Engineering
42	Gosai vaibhavgiri bhaveshgiri	190613119003	Prof. P. N. Boka	Geeta Machine Tools Private Limited
43	Patel kush jayprakashbhai	190613119006	Prof. P. N. Boka	Pradip Industries
44	Sathvara Vishalkumar Govindbhai	190613119007	Dr. N. A. Patel	SOFCOON INDIA PRIVATE LIMITED

Achievements

Placement, Higher Studies and Entrepreneurship

No of Students placed in companies or Government Sector	4
No of Students admitted to Higher Studies	6
No of Students turned in Entrepreneur	0