

Mech at a Glance

(E-NEWS LETTER)

HALF YEARLY MAGAZINE

JULY- DECEMBER 2019

MECHANICAL ENGINEERING DEPARTMENT
GOVERNMENT ENGINEERING COLLEGE PALANPUR



Government of Gujarat

GOVERNMENT ENGINEERING COLLEGE PALANPUR

JAGANA, PALANPUR-AHMEDBAD HIGHWAY, PALANPUR - 385001, GUJARAT, INDIA

ફોન નં. (02982) 220004, 220005 Phone-(02742) 220005, 220006

Website: www.gecpl.cteguj.in Email: gec-palanpur-dte@gujarat.gov.in

Index

1. Vision and Mission of Institute and Department
2. From the Desk of Head of the Department
3. Faculties of Department
4. Innovative Practice in Teaching-learning/Assessment Process
5. Training attended by Student
6. Result Analysis
7. Topper of Winter 2019 GTU Exam (Odd Semester)
8. Research Publications
9. Departmental activities
10. Achievements

Editorial Board

Prof. A B Patel,
Prof. A D Patel,
Prof. N T Raval,

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 an ecosystem 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.

From the Desk of Head of the Department

The department has evolved over time to keep up with the ever-increasing challenges in technology development, while maintaining a strong base in the fundamental aspects of Mechanical Engineering.

In last six months we have arranged seminars, workshops, expert talks and industrial visits for overall development of the students and to enable them to gain knowledge beyond syllabus too. Through this newsletter I thank all experts, speakers and industries who had spared their valuable time for our students.

This newsletter will help to share News, Events and Achievements of the department among the GEC, Palanpur fraternity. I would like to congratulate all members of the editorial board for their sincere efforts to realize this new Endeavor.



Faculties of Department (As on December 2019)

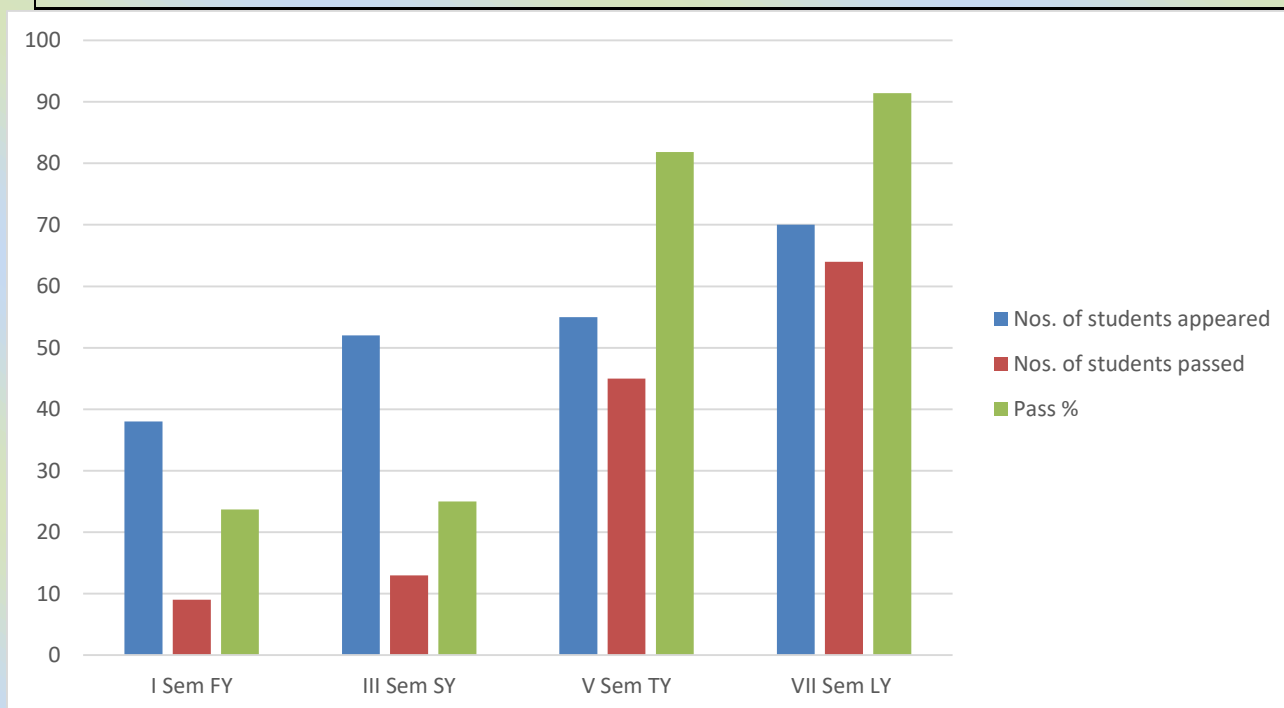
Sr. No.	Name of Faculty	Designation	Area of Work	Teaching Experience (Years)
1	Prof. (Dr.) K B Judal	Principal & Professor	Computer aided Design and Manufacturing Unconventional Manufacturing Process	19
2	Prof. (Dr.) J A Vadher	Professor & Head	Production, Industrial, Automation	21.5
3	Prof. A B Patel	Assistant Professor	Thermal Engineering	18
4	Prof. V.D.Patel	Assistant Professor	Thermal Science	18
5	Prof. N. A. PATEL	Assistant Professor	CAD/CAM	15
6	Prof. A. D. PATEL	Assistant Professor	Machine Design	16
7	Prof. A. R. Chaudhari	Assistant Professor	Machine Design	12
8	Prof. P. N. BOKA	Assistant Professor	Design Engineering	14
9	Prof. A.K.Patel	Assistant Professor	Advance Manufacturing Techniques	12
10	Prof. N.T.Raval	Assistant Professor	CAD/CAM	6

Innovative Practice in Teaching-learning/Assessment Process

Sr. No.	Methodology	Related Subject	Class	Name Of Staff
1				
2				

Result Analysis

Winter - 2019		Nos. of students appeared	Nos. of students passed	Pass %
FY	I Sem	38	9	23.68
SY	III Sem	52	13	25.00
TY	V Sem	55	45	81.82
LY	VII Sem	70	64	91.43



Topper of winter 2019 GTU Exam

1st Semester

Sr. No	Enrollment No	Name	SPI
1	190610119047	PRAJAPATI RAJESHKUMAR VIRABHAI	7.82
2	190610119050	RAVAL KULDEEP NAILESHKUMAR	7.06
3	190610119010	CHAUHAN RAVI KAMLESHKUMAR	6.76

3rd Semester

Sr. No	Enrollment No	Name	SPI
1	180610119027	NAYI CHANDRESHKUMAR CHAMANBHAI	7.26
2	180610119002	BARAD HIREN HARADASBHAI	7.22
3	180610119041	PATEL KISHANKUMAR VINODBHAI	7.09

5th Semester

Sr. No	Enrollment No	Name	SPI
1	170610119043	PRAJAPATI DHRUV VINODBHAI	9.19
2	170610119012	GIDWANI MAHESH HARESHBHAI	9.03
3	170610119002	BHARATI ABHISHEK RADHESHYAM	9.03

7th Semester

Sr. No	Enrollment No	Name	SPI
1	160610119003	BAMBHANIYA ASHVIN ANANDBHAI	8.80
2	160610119010	DARJI HARSHILKUMAR NAVINBHAI	8.63
3	160610119024	NAYI AJAYKUMAR SURESHBHAI	8.43

Training attended by Student

Sr. No	Name of Industry	Date	Duration	No. of Student
1				
2				
3				

Faculty/staff training/seminar/conferences attended

Sr. No	Name of Faculty	Training	Name of Institute/Organizer	Duration	
				From	To
1	Dr.J.A.Vadher	"NBA Accreditation"	IITRAM, AHMEDABAD	22-07-2019	26-07-2019
2	Prof.V.D.Patel	FUNDAMENTAL OF ENERGY MANAGEMENT AND APPLICATIONS	SVNIT, SUTRAT	25-11-2019	29-11-2019
3	Prof.N.A.Patel	Industrial Based NDT Training and Practices	GEC, GANDHINAGAR	08-07-2019	12-07-2019
4	Prof.A.R.Chaudhari	MATHEMATICAL MODELING OF MANUFACTURING PROCESSES	ONLINE IIT, GUWAHATI	JULY,2019	OCT,2019
5	Prof.A.R.Chaudhari	BEYOND THE CLASSROOM TOWARDS EXCELLENCE	IITG GANDHINAGAR	14-11-2019	20-11-2019
6	Prof.P.N.Boka	"NBA ACCREDITATION"	IITRAM, AHMEDABAD	22-07-2019	26-07-2019
7	Prof.A.K.Patel	Advanced Welding Processes for Titanium and Aluminium Alloys	LDCE, Ahmedabad	07-10-2019	11-10-2019
8	Prof.A.K.Patel	Processing and Characterization of Materials	GEC, Gandhinagar	04-11-2019	08-11-2019

International Journal publications:

1. **Probing Low Productive area in Steel Re-Rolling Mills**, Rita k. Jani, J.A.Vadher, Anand D.Kalani, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-11, September **2019**. Page: 2280-2286.
2. **Experimental Study of Heat Transfer in Conical Tube Heat Exchanger**, Chirag Maradiya, Dr. Jeetendra Vadher, Published in International Journal of Engineering Research and Technology (IJERT) ISSN 09743154, Scopus indexed, active in **2019**.

International Conference publications:

1. **Investigation & Optimization of Process Parameters of Roll Bending machine in realizing Conical Shells in Aluminum 6063**, Nimesh M. Patel, Prof. Dr. Jeetendra Vadher, Poster and Paper submitted to International Conference, Frontiers Materials Processing Applications, Research and technology at INDUS, Ahmedabad, Dec 15 to 18, **2019**.

PUBLICATION OF BOOKS:

Manufacturing Processes, Author by Dr. M G Bhatt, Dr. J A Vadher, Dr. H S Trivedi, Books India Publication, Ahmedabad, First Edition Dec 2019.

Expert Lectures Delivered:

1. Invited talk delivered on “Advanced Abrasion based Machining/Finishing Processes” (on 26th July, 2019) in a TEQIP-III Short Term Training Program on ‘Recent Advances in Micro Manufacturing (RAMM-2019) during 23-27 July, 2019 at BIET Jhansi.
2. Invited talk delivered on “Journey to become successful Mechanical Engineer” (on 23rd December, 2019) during Seminar at Mechanical Engineering Department, GEC Patan.

Department Activities

Industrial Visit

Sr. No.	Name of Industry	Day	Semester

Achivements

Sr. No.	Enrollment Number	Name of Student	Name of Event	Place	Date	Outcome
1	190610119048	RAJPUT BRIJESHKUMAR	PRAKRUSHT 2019	SMT. S. R. PATEL ENGG. COLLEGE, UNJHA	9 TH & 10 TH SEP 2019	1 ST RANK
2	190610119050	RAVAL KULDEEP	PRAKRUSHT 2019	SMT. S. R. PATEL ENGG. COLLEGE, UNJHA	9 TH & 10 TH SEP 2019	1 ST RANK