

Department of Mechanical Engineering Government Engineering College - Dahod

News letter (July 2018 to December-2018)

Affiliated to Gujarat Technological University (GTU)
Higher and Technical Education, Gujarat State



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Editorial Team

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FROM THE DESK OF THE HOD

In today's fast-changing world with ever-growing challenges of limited resources and rapid climate changes, a new generation of Mechanical Engineers nurtured with necessary skills and innovative spirit is needed. Our attempt is to provide our students with a cheerful, productive and satisfying experience at all levels of their programme of studies so that they can explore the amazing world of Mechanical Engineering. Our dedicated faculty tries to disseminate amongst the students the latest developments in Applied Mechanics & Design, Dynamics & Control, Thermo-fluids & Processes, Energy, Materials & Manufacturing, and Automation & Robotics. I would like to congratulate all members of the editorial board for their sincere effort to realize this new venture. I earnestly wish and sincerely hope that this publication turns out to be a resounding success.

BOOK POST

To, _____

Prof. M. Y. Patil
H.O.D. Mechanical Engineering Department
(January - 2019)

Institute Vision

To be a value based engineering institute to disseminate globally acceptable education and to nurture research, innovation and entrepreneurship.

Institute Mission

1. To provide quality education in engineering disciplines through creative balance of academic and extra-curricular activities.
2. To provide learning environment for innovation and entrepreneurship.
3. To disseminate ethical values, social values and sensitivity towards environmental issues.

Department Vision

The Mechanical Engineering Department endeavors to be recognized for quality education and research, leading to well qualified innovative mechanical engineers having essential technical, managerial and entrepreneurial skills.

Department Mission

1. Developing essential technical and managerial skills of the students by imparting fundamental knowledge of engineering and its practical applications through qualified, trained and experienced faculties.
2. To enhance the creative and innovative skills of the students by providing state-of-the-art infrastructure and teaching-learning environment and encouraging them for development activities and higher education through research.
3. To provide a collaborative environment establishing links with industries that stimulate faculty and students with opportunities to create, analyze, apply and disseminate knowledge.
4. To encourage the students for life-long learning, ethical values and entrepreneurial culture for industrial and societal needs.

Participation in Inter-Institute Events by students

<i>Name of student</i>	<i>Name of Event</i>	<i>Place</i>	<i>Date</i>
Parmar Divyangbhai P	IJKC - 2018	Dahod	05-10-2018
Ghanchi Mahamadsahil	IJKC - 2018	Dahod	05-10-2018
Nalwaya Ajay D	IJKC - 2018	Dahod	05-10-2018
Parmar Tusharkumar	IJKC - 2018	Dahod	05-10-2018
Jadav Diwankumar P	IJKC - 2018	Dahod	05-10-2018
Tadvi Sujitkumar P	IJSRD - 2018	Online	01-11-2018
Chauhan Satishkumar	IJSRD - 2018	Online	01-11-2018
Rathod Surajkumar M	IJSRD - 2018	Online	01-11-2018
Gohil Hirpal Hiteshbhai	IJSRD - 2018	Online	01-11-2018
Gohil Yuvrajsinh Ravjibhai	IJSRD - 2018	Online	01-11-2018
Akash Joshi	IJKC - 2018	Dahod	05-10-2018
Chirag Jadav	IJKC - 2018	Dahod	05-10-2018
Nitin Prajapati	IJKC - 2018	Dahod	05-10-2018
Pravin Chauhan	IJKC - 2018	Dahod	05-10-2018
Dabhi Ronald John	IJKC - 2018	Dahod	05-10-2018
Chauhan Prakashsingh	IJKC - 2018	Dahod	05-10-2018
Kshatriya Kunalsingh	IJKC - 2018	Dahod	05-10-2018
Thakur Deepak Haridwar	IJKC - 2018	Dahod	05-10-2018
Vishwakarma Rajkumar	IJKC - 2018	Dahod	05-10-2018
Tarang Patel	IJKC - 2018	Dahod	05-10-2018
Raj Patel	IJKC - 2018	Dahod	05-10-2018
Shubham Patel	IJKC - 2018	Dahod	05-10-2018
Keval Patel	IJKC - 2018	Dahod	05-10-2018

Research publications by the faculty

- ❖ Prof. R.I. Patel, Associate professor, has published research article on “Review on fiber reinforcement in parts manufactured by fused deposition modeling” in Journal of Emerging Technologies and Innovative Research, ISSN- 2349-5162, 2018
- ❖ Prof. V.D. Golakiya, assistant professor in mechanical engineering department has published research article on “Keyhole Tungsten Inert Gas welding - A Review” International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.5, Issue 12, 2018
- ❖ Prof. P.M. Gautam, assistant professor in mechanical engineering department has published research article on “Economical & Optimized Procedure of Process Pipe Sizing for Industries Based On Fluid Velocity” International Journal of Innovative Knowledge Concepts, Volume-VI, Special Issue-2, ISSN: 2454-2415, 2018
- ❖ Prof. K.K. Bhabhor, assistant professor in mechanical engineering department has published research article on “Recycling of Municipal Waste machine for Smart city Dahod” International Journal of Innovative knowledge concept, Vol. 6, Special Issue 2, DOI 11.25835/IJK-269, 2018

Department activities

- ❖ Industrial visit of B.E. 5th semester mechanical engineering students at Gujarat State Electricity Corporation, Kadana (Hydro Power Station) was arranged on 7 August, 2018.
- ❖ Industrial visit of B.E. 7th semester mechanical engineering students at Kakrapar Atomic Power Station, Vyara was arranged on 28-29 September, 2018.
- ❖ Industrial visit of B.E. 7th semester mechanical engineering students at Wanakbori Thermal Power Station, Wanakbori was arranged on 20 September, 2018.

Events organized by SSIP

Sr. no	Date	Event Name	Expert
1	21/07/2018	One day Workshop on 3-D Printing	Dr. M. K. Chudasam
2	05/10/2018	National Conference on “Emerging Startups & Innovations in Engineering & Technology”	Dr. M. K. Chudasam

Events organized by GIC Club

Sr. no	Date	Event Name	Description	Expert
1	08/08/2018 to 15/08/2018	Matlab training	The training program covered 1 – hour tutorial practical session’s each day	Prof. R. I. Patel, Prof. Ishaq Shaikh, Prof. B. M. Parmar
2	24/07/2018 To 25/07/2018	Intellectual Property Rights (IPR) sensitization workshop	Intellectual Property refers to the protection of creation of mind which has both a moral and a commercial value	Dr. D. B. Jani, Prof. M. K. Chudasma

GTU Result Corner

Result of Government Engineering College GTU May, 2018 Examination

Semester	Total Students appeared	Total Pass Students	Total Failed Students	Percentage of Pass Students
8	516	478	38	92.64
6	472	341	131	72.25
4	483	259	224	53.62
2	358	205	153	57.26

Result of Mechanical Engineering Department GTU May, 2018 Examination

Semester	Total Students appeared	Total Pass Students	Total Failed Students	Percentage of Pass Students
8	121	119	2	98.35
6	122	92	30	75.41
4	131	77	54	58.78
2	99	66	33	66.67