

Department of Mechanical Engineering Government Engineering College - Dahod

News letter (July 2019 to December-2019)

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



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Dr. D.R. Shah (HOD Mechanical)

Prof. M.Y. Patil

Prof. R.I. Patel

Editorial Team

Dr. D.B. Jani

Dr. N.S. Mehta

FROM THE DESK OF THE HOD

It gives me immense pleasure to welcome you all in new semester of 2019 to the vibrant mechanical engineering department at the Government Engineering College, Dahod. The department provides concurrent technological knowledge that prepares students for tomorrow's rapidly evolving techno-competitive environment. The department has modern infrastructure to undertake high-end teaching, research and developmental activities in its various laboratories. Our undergraduates and post-graduate students, conduct fundamental and applied research at the cutting edge of science and technology along with incubating successful technical ventures. The Department looks forward to contribute in solving the technological challenges of the society with active participation students.



BOOK POST

To, _____

Dr. D. R. Shah
H.O.D. Mechanical Engineering Department
(January 2020)

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.

Training taken by the faculty

Sr. No.	Name of Faculty	Training taken	Duration
1	Dr. D.B. Jani	Advances in heating, ventilation, air-conditioning and Refrigeration, L.D. College of Engineering, Ahmedabad.	14/10/2019 To 19/10/2019
2	Prof. P.J. Patel	STTP (Induction Programme-II), NITTTTR BHOPAL.	16/9/2019 To 27/9/2019
3	Dr. N. S. Mehta	STTP on "NBA Accreditation" by National Institute of Technical Teachers' Training & Research, Bhopal at IIT-RAM, Ahmedabad.	22/07/2020 to 26/07/2020
4	Prof. K.K. Bhatt	Manufacturing of Composites – NPTEL Swayam MOOC - 8 Weeks.	26/08/2019 To 18/10/2019
5	Prof. K.K. Bhatt	Advanced welding processes for titanium and aluminum alloys, GIAN-MHRD Sponsored at Mechanical Dept, L.D.C.E., Ahmedabad.	07/10/2019 To 11/10/2019
6	Prof. K.K. Bhatt	Processing and characterization of materials, DTE Approved, Metallurgy Dept, GEC-Gandhinagar.	04/11/2019 To 08/11/2019
7	Prof. A H Makwana	Matlab Software, NITTTTR Bhopal	04/11/2019 To 08/11/2019
8	Prof. V. D. Golakiya	Industrial Based NDT training & Practice	08/07/2019 To 12/07/2019
9	Prof. V. D. Golakiya	FEM-Simulation in Metal Forming Formulation and Practical Implementation-IIT-Bombay	09/12/2019 to 13/12/2019
10	Prof. B. N. Gelot	Recent Trends in Automotive Technology	26/08/19 To 30/08/19
11	Prof. M. Y. Patil	Outcome Based Education for Program Accreditation, NITTR Chandigarh	18/11/2019 to 22/11/2019

Research publications by the faculty

- ❖ Prof. K.K. Bhabhor, assistant professor in mechanical engineering department has published research article on “Progressive development in solid desiccant cooling: a review” in International Journal of Ambient Energy, DOI: 10.1080/01430750.2019.1681293.
- ❖ Dr. D.B. Jani, associate professor in mechanical engineering department has published research article on “Advances in Liquid Desiccant Integrated Dehumidification and Cooling Systems” in American Journal of Environment and Sustainable Development, Volume 6, page 6 – 11, 2019
- ❖ Dr. N.S. Mehta, associate professor in mechanical engineering department has published research article on “Effect of operational parameters on the thermal performance of flat plate oscillating heat pipe” in Journal of Heat Transfer, ASME Journal, Vol. 141 / 121802-1, December 2019.
- ❖ Tausif Pathan P.G. research scholar, working under supervision of Dr. D.B. Jani, associate professor in mechanical engineering department and Prof. K.K. Bhabhor, assistant professor in mechanical engineering department has published research article on “An overview on front axle analysis of an automobile” in International Journal of Innovative Research in Technology, Volume 6, page 71 – 76, 2019.
- ❖ Dr. N.S. Mehta, associate professor in mechanical engineering department has published research article on “Experimental investigation of flat plate cryogenic oscillating heat pipe” in Journal of Low Temperature Physics, Volume 197, Issue 600, Article 10184, IF: 1.491, November 2019.

Achievements and activities of the department

- ❖ Industrial visit of B.E. 7th semester mechanical engineering students was arranged at Wanakbori Thermal Power Station, Wanakbori on 24 July, 2019.
- ❖ Expert lectures by Prof. L. S. Patel, Assistant Professor mechanical engineering in Autocad training programme for two weeks under GTU Innovation Club, GEC Dahod.
- ❖ Dr. M. K. Chudasama assistant professor mechanical engineering organized one day workshop on “3D Printing” under GIC and SSIP on 27-07-2019.



GTU Result Corner

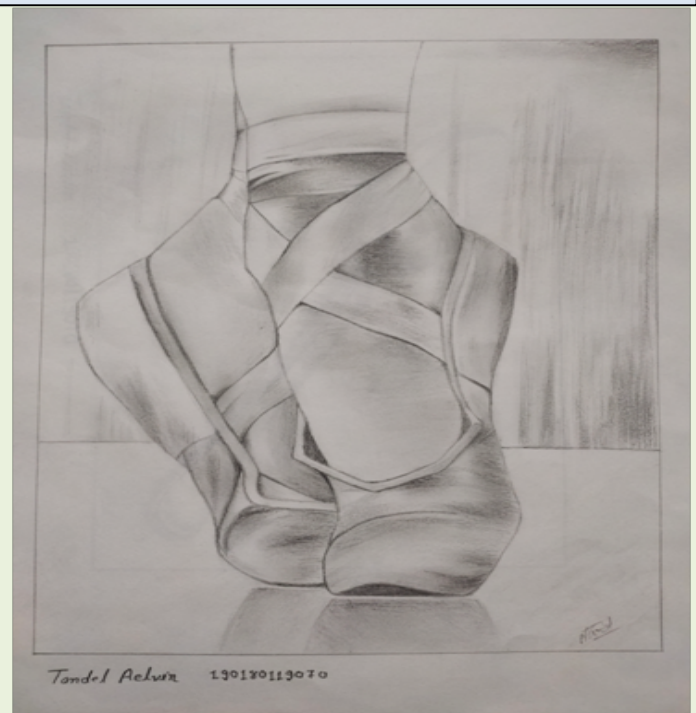
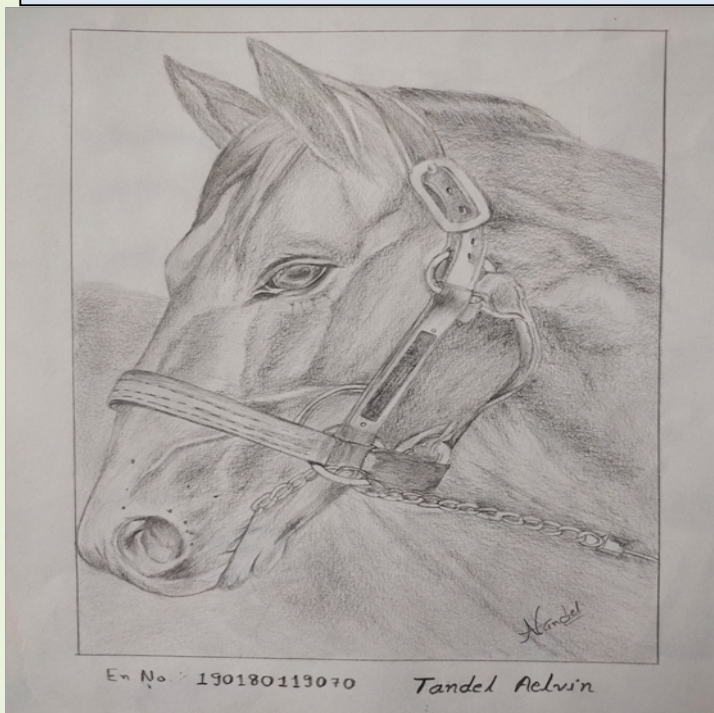
Result of Government Engineering College GTU May, 2019 Examination

Semester	Total Students appeared	Total Pass Students	Total Failed Students	Percentage of Pass Students
8	470	444	26	94.47
6	461	371	90	80.48
4	458	267	191	58.30
2	305	130	175	42.62

Result of Mechanical Engineering Department GTU May, 2019 Examination

Semester	Total Students appeared	Total Pass Students	Total Failed Students	Percentage of Pass Students
8	123	118	5	95.93
6	126	103	23	81.75
4	123	85	38	69.11
2	85	37	48	43.53

Art work by student



❖ Sketches prepared by Mr. Tandel Aelvin (Enrolment no - 190180119070) of Mechanical Engineering Department of GEC, Dahod.