

Resonance@GDEC

For limited Circulations Only



ACPC Help Centre

Admission Committee for Professional Courses (ACPC), Gujarat, India has officially allotted Help Center for the admission of Degree Engineering (Academic Year: 2017-18) to GIDC Degree Engineering College, Abrama, Navsari. Under the experienced leadership of Nodal Officer Prof. Kaushik S. Patel (Asst. Prof., Computer Engg. Dept.) the Help Center team of GIDC Degree Engineering College has successfully verified total 289 (Two Hundred Eighty Nine) students in the registration/verification process completed during 01-June-17 to 26-June-17. Approximately 500 visitors were sought at the help center during registration and choice filling process including students and their parents with a feeling of satisfaction on their face at the end. These satisfied candidates continue to visit the Help as the up-coming choice filling rounds going on. Help Center Team : (1)Kaushik Patel (2)Mihir Mishra (3)Himanshu Patel (4)Viral Patel (5)Ritesh Naik (6)Manish Patel

The team is dedicated to serve with the same spirit till the end of admission process for the academic year 2017-18.

Index

- Principal Message
- International Experience Program
- Campus Placement Drive
- Workshop on Control of Electrical Drives
- Training & Placement
- Online Exam
- International Yoga Day Celebration
- Career Guidance Programme
- Industrial Visits
- Publications and Achievements

GDEC Team

Dr. K. N. Mistry, Principal
(Dean, South Zone, GTU)
Dr. H. S. Patil,
Head, Mechanical Engg. Dept.
Prof. Archana Nayak,
Head, Computer Engg. Dept.
Prof. Vikunj Tilva,
Head, Civil Engg. Dept.
Prof. Toral Patel,
Head, Automobile Engg. Dept.
Prof. Rajesh Patel,
Head, Electrical Engg. Dept.
Dr. S. S. Patel,
Head, Applied Sci. & Huma. Dept.

Editorial Team

- Prof. Archana M. Nayak
- Prof. Kushal D. Patel
- Prof. Avani P. Patel
- Mr. Nilesh G. Patel

Final Year Summer 2017 Result

Branch	Percentage
Computer Engineering	100.00%
Electrical Engineering	98.31%
Automobile Engineering	95.45%
Mechanical Engineering	93.33%
Civil Engineering	91.07%

Computer Engineering student Mali Hetvi Vinodbhai (131100107009) has secured first rank in GTU, summer 2017 examination with 10.0 SPI in Semester 8.



Principal Message

It is with immense pleasure to welcome you to the GDEC News Letter July 2017. GIDC Degree Engineering College is regularly publishing quarterly newsletter. The purpose of newsletter is to send a positive message to the stake holders. It provides a platform to publish activities of the college, achievements of students, faculties and staff members of the college and appreciate their curricular and co-curricular activities.

Our College is the host for the Navsari Innovation Sankul, covering the Navsari district, Bardoli, Mandvi and Palsana, which includes professional colleges like Engineering, Polytechnic, Pharmacy, Computer Applications and Management colleges. This is an innovative to bring students, academicians and industries together on a common platform. We aim at becoming a dynamic generator of new work, new thinking and believe in providing a nurturing, supportive and creative center of learning.

We have nearly 1470 plus students enrolled so far studying in Computer, Mechanical, Automobile, Electrical and Civil Engineering. Every effort is made to make the students have a sound personality by imbibing not only technical knowledge but values and human sensibility as integral part of his/her mind-set and make them a complete "self".

The college aims to empower its students with tri-stapled statement: Strive for Inclusive Growth. Often the achievements are attributed to the society and students take up projects which may be beneficial to the society, and this for our college is, 'inclusive' growth. This year in GTU Summer-2017 examination Computer Engineering Department secured first rank at state level in 8th semester with 100% result. Also Automobile, Mechanical, Civil and Electrical engineering departments secured outstanding results.

Dr. K. N. Mistry

Dynamic Management

Name of the Member	Designation in the GES	Current Position/Organization
Smt. D. Thara IAS, M.Sc(Biotech), M.A(Public Administration)	Chairperson	Vice Chairperson & Managing Director, GIDC, Gandhinagar
Shri. P. R. Bhatt B.Com, L.L.B	Member Secretary	Director (NA) & General Manager GIDC, Gandhinagar
Shri J. G. Gamit B.E Civil	Member	Superintending Engineer GIDC, Surat
Dr. V. S. Purani M.E Civil, Ph. D.	Member	Joint Director, Commissioner of Technical Education, Gandhinagar
Dr. A. K. Dave B.E Mechanical, M.E, Ph. D.	Member	Ex. Director, SVNIT, Surat
CA. V. G. Desai M.Com, F.C.A.	Member	Chartered Accountant, Navsari
Dr. D. G. Naik M.A, M.Ed, Ph. D.	Member	Director, Naran Lala College Campus, Navsari
Shri Mahadevbhai Desai B.E Civil, LLB, MIE, MASCE(USA)	Member	CMD, Sthapati Designers, Navsari

International Experience Program (IEP)

GTU has announced its International Experience Program (IEP) for the 6th consecutive year as a part of its continuous journey towards becoming a truly global university. 3 students of 7th Semester Automobile Engineering Department are selected for this program. They will study at Wismar University at Germany for FOUR WEEKS from mid-June 2017.

The lists of selected students are:

Name	Enrollment No	Country
Tamboli Ruchit Rajesh	141100102061	Germany-Be
Rana Jeetkumar Ketanbhai	141100102047	Germany-Be
Patel Yash Satishbhai	141100102045	Germany-Be

The Automobile Department Faculty and Students wish them an enriching and learning experience during their stay at Germany.



Campus Placement Drive

Two students of Electrical Engineering Department has been placed in SSM Infotech Solutions Pvt.Ltd.

Company	Date of Interview	No of Students Appear	List of Selected Students
SSM Infotech Solutions Pvt.Ltd.	11/04/2017	20	1. Prajapati Hardikkumar M. (131100109048) 2. Pawar Bhavesh Sanjay (141103109013)

Workshop on Control of Electrical Drives

Electrical Engineering Department organized a Two Days Workshop on "Control of Electrical Drives" for electrical engineering students during 20 & 21 January 2017. Contents of this workshop helped students for their academic purpose. As this is a very advanced topics introduced by GTU, for this we have invited Dr. M. A. Mulla who is an expert in this area from SVNIT, Surat. Contents of this workshop include very important topics like DC drives & Dynamic Modeling and Vector control. About 75 students participated in Workshop. The faculties associated with the workshop were Prof. D. R. Gayakwad, Prof. Bhavin Trivedi & Mr. Kamlesh Sonwane.



Industrial Shodh Yatra (Computer)

Final Year (2013 Batch) student of Computer Engineering Department has taken Industrial Training at around 14 software Companies during 1st-18th June, 2017 as part of their Industry Sodh Yatra (ISY) program of GTU.

Students have visited following industries for Training:

Atul Infotech Pvt. Ltd.	Bosleo	Casepoint Pvt. Ltd.	Confluence software solution
Webtechpro	IIHT	Mango Software	Sailfin Technologies
SoftTrinity IT Solutions	Synergy Info solution	TECHNO HEAVEN Consultancy	TOPS Technologies Pvt. Ltd.
Uffizio India Software Consultant Pvt. Ltd.	LA NET Team Software Solution Pvt. Ltd		

Industrial Shodh Yatras (Mechanical)

Mechanical final year students visited various GIDC industries for Industrial ShodhYatras in order to identify the Industry Defined Project for final year project work. Students have been taken 2-3 weeks industrial training in summer 2017 at following industries

Suresh Mechanical Works , Udhyognagar, Navsari	EM. Tech Fabricators, Kabilpor, Navsari	NaranLala Pvt Ltd. Udhyognagar, Navsari	Nova Tech Engineers , Kabilpor, Navsari
Hydrotronics, Billimora	Sumul Dairy, Surat	Utran Gas Based Power Station, UtranSurat	KWENG ALLOYS PVT. LTD., Billimora
NHB BEARINGS LTD., Amalsad	Techno Gears , Valsad	Mech Engineers, Valsad	

Industrial Shodh Yatras (Civil)

Last year (7th sem) students of Civil Department had done their training in various civil sectors and companies relating to their "Sodh Yatra" and training work. Some of them are listed below:

L. & T, Hazira	B.R.T.S, Surat	U. S. Reality Private Ltd.	Om Constructions
Rajhans Infrastructure Private Ltd.	KRIBHCO, Hazira etc.		

Consultancy Work@GDEC

GETCO Online Exam(Computer Engineering Department)

GIDC Degree Engineering College is in facility agreement with Tata Consultancy Services Limited since 01-09- 2014. Under this agreement Computer Engineering Department has successfully hosted Online Examination for "GETCO" on 10-Jun- 2017 with 136 candidate count. Revenue Earned by College for the same exam is Rs. 12940/-. Under the leadership of Ms. Archana Nayak (Head, Computer Engg. Dept.), Computer Engineering Department frequently hosts such revenue generating ventures.



Team Members for above mentioned Exam/s :-

(1)Kaushik Patel (2)Mihir Mishra (3)Kushal Patel (4)Tejas Patel (5) Himanshu Patel (6)Amruta Naik (7) Nilesh Patel (8) Ritesh Naik (9) Manish Patel (10)Parimal Patel (11) Anil Patel

Structure Cheking(Civil Engineering Department)

Asst. Prof. Vikunj Tilva, Asst. Prof. Nilesh Parmar, Asst. Prof. Sunil Jaganiya, Asst. Prof. Pritesh Rathod faculty of civil Department are involved in counsultancy project of Proof Cheking of Structure at Gundlav, GIDC.

International Yoga Day Celebration

International Yoga day was successfully celebrated at GIDC Degree Engineering College on 21st June, 2017 under the guidance of Prof. Dr. Shailesh S. Patel. All the faculties enthusiastically participate in the yoga day celebration. They took the advantages of the various types of yogas and get knowledge of the health benefits of yogas. All the participants wished to continue such healthy activity at their homes on regular basis.



Career Guidance Programme



Career Guidance Programme was held by GIDC Degree Engineering College under the guidance of Dr. S. S. Patel & Prof. Harshal G. Vashi. This program was held at R. K. Naik Sarvajnik High School Sarikhurad, Vapi Industrial Association Hall Vapi, Mahida Bhavan Surat & GIDC Degree Engineering College Campus, Abrama, Navsari. Prof. Ishita Panchal, Prof. Kaushik Patel, Prof. Jay Desai, Prof. Mihir Mishra and Prof. Kunal Hathiwala has successfully provided the guidance regarding availability of vast fields after 12th.

Industrial Visit

Utran Gas Based Power Plant, Surat

Utran Gas Based Power Station is located at bank of Tapi River near Surat city, in Surat district in the Indian state of Gujarat. The power plant is one of the gas based power plants of Gujarat State Electricity Corporation Limited.

Pre Final year Student of Electrical Engineering Department Miss. Minal Trivadi M. (141100109062) from GIDC Degree Engineering College, Abrama is attending Technical training in above gas based power plant for two weeks. Prof. Ankur P. Desai has visited Utran



Gas Based Power Station dated 09/06/2017. Head of HR Department Mr. Nihar Chaudhari gave brief introduction about Power Plant and its operation. In addition, he committed for educational industrial visit for college students and apprenticeship for college pass out students in above power plant. He gave information that they always welcome and support students who wants to complete their pre-final year training in above power gas base power plant. He said that they are always ready for any kind of technical support for college activities like visit, expert talk, placement etc. This one day visit proved to be fruitful and important for future assignments.

ELECTRIC LOCOSHED, Abrama, Valsad



The industrial visit was organized by Prof. Dhaval K. Patel and Prof. Ketan K. Lad for 120 students of 3rd and 4th year, Electrical Engineering Department, on 31/03/17, 01/04/17, 07/04/17 & 15/04/17 in batch of 30 students per day. It is relevant to their currently teaching subject in 3rd year Design of DC Machine and Transformer & 4th year Testing and commissioning of electrical



equipments. Supported Faculty members are Prof. Bhavin S. Trivedi, Prof. Khyati K. Naik and our Lab Assistant Kamlesh Sonwane.

Muni Seva Ashram, Vital Cast & Swadesh Udhyog, Vadodara

Along with theoretical knowledge, practical knowledge is also required. In era of energy crisis, practical knowledge of non-conventional energy sources is also required. So visit of MUNI SEVA ASHRAM (Vadodara) is



arranged where cooking is done with steam that is generated by solar collectors. Also students got deep knowledge of biogas plant. Air conditioner is also operated by steam that is generated by collectors.



Along with MUNI SEVA ASHRAM we visited VITAL CAST and SWADESH UDHYOG that is located in Vadodara.

So this visit became tool to enhance students knowledge. 52 students visited three companies with Prof. Daksh R. Tandel, Prof. Nitish K. Lad and Prof. Brijesh Patel.

Companies visit by Automobile Department Faculty Automobile Engineering Department faculty Mr. Arpit Panchal had visited Torque Automotive Pvt. Ltd, Shreeji Automart Pvt. Ltd. (Tata motors workshop) Surat and Navjivan Hyundai Surat, on 16-06-2017 to monitor student's presence at the respected companies for Industrial training and Shodhyatra (IDP) and also interacted with the companies officials regarding respective companies to facilitate training to the pre-final year students for their final year project (Industrial Development Program).

Publication & Achievement

Computer Engineering Department

Student Achievement

- Mali Hetvi Vinodbhai (131100107009) has secured first rank in GTU, summer 2017 examination with 10.0 SPI in Semester 8.

Faculty Achievement

- Kaushal Kevadia, Archana M. Nayak, Kaushik S. Patel, Brijesh U. Patel published paper on "A literature survey on Image Encryption" in the International journal of Scientific Research in Science Engineering and Technology (IJSRSET) ISSN: 2395-1990, Volume 2, Issue 6, November- December 2016
- Mihir A. Mishra published paper on "Traffic Estimation and Routing using K-means Clustering Algorithm" by in International Journal for Science and Advance Research in Technology, Volume 3, Issue 4 in April 2017. ISSN: 2395-1052
- Kushal Patel, Mihir A. Mishra, Brijesh Patel, Nilesh Patel Presented paper on Privacy Issues in Big Data held in 2nd International Conference for Convergence in Technology (I2CT) held during 7th to 9th April 2017 at Siddhant College of Engineering, Pune, India ISBN-Proceedings: 978-1-5090-4307-1/17 IEEE
- Vibhuti P. Patel, Avani P. Patel has published paper on "Data Integration: Techniques and challenges" in International Journal for Scientific Research and Development, Volume 5, Issue 4 in June 2017, ISSN:2321-0613
- Avani P. Patel, Vibhuti P. Patel has published paper on "Digital Modulation Technique using a Graphic User Interface" in International Journal for Science and Advance Research in Technology, Volume 3, Issue 6 in June 2017 ISSN:2395-1052.

Technical Membership

- Prof. Mihir A. Mishra is an active member of referral/ review management system of the International Journal of Science and Engineering Development Research since 18th April 2017, ISSN:2455-2631, Holding member ID:111243

STTP Attended

- Prof. Bhumika H. Patel, Prof. Vibhuti P. Patel has attended One week STTP on "Internet of Things and its Application (IoT 2017)" conducted by S.V.N.I.T., Surat during 5th-10th June, 2017

Mechanical Engineering Department

- Prof. Dr. H. S. Patil nominated as an Editorial Board Member of SCIREA Journal of Mechanical Engineering in April 2017, <http://www.scirea.org>
- Prof. Dr. H. S. Patil nominated as a Member in Research & Recognition Committee in Mechanical Engineering under the Faculty of Engineering & Technology, North Maharashtra University, Jalgaon in Maharashtra State.
- Prof. Dr. H. S. Patil nominated as Technical Program Committee Member - The Second International Conference on New Material and Chemical Industry (NMCI2017) will be held in Sanya, China during November 18-20, 2017, <http://www.icnmci.org>

Expert Lecture

- Prof. Dr. D. C. Patel delivered expert lecture entitle "Recent trend in welding and Weld joint design" at Mechanical Engineering department, FETR, bardoli on 11th April, 2017.

Paper Publication

- Prof. Dr. H. S. Patil has published the paper titled "Effect of Processing Parameters on Properties of Friction Stir Welded Joints of Aluminium Alloys AA7075_T651 and AA6061_T6", in International Journal of Advanced Design and Manufacturing Technology, ISSN: 2252-0406, Issue 39 June 2017.
- Prof. Daksh R. Tandel, Ashish O Jain and Anant B Lad presented paper on "Utilisation of Waste Heat by Peltier Module" in National Conference on Progress, Research and Innovation in Mechanical

Engineering, organised by Sarvajani College of Engineering & Technology, Surat held on 25-26 March-2017 and published in conference proceeding. (ISBN No.978-81-933591-5-0).

- Prof. Hariketan B. Patel published paper "Evaluating the Effect of Different Working Fluid on Performance of Gasket Plate Type Heat Exchanger" in IJSRD journal vol-5 Issue-4 June 2017

Workshop Attended

- Prof. Daksh R. Tandel attended "29th Patent Clinic program" organized by GTU at Chandkheda held on 19th & 20th June 2017.

Electrical Engineering Department

STTP attended

- Prof. Ankur P. Desai has attended eight week online graded course on "Electrical Vehicle Technology" conducted by Deshya technologies Pvt.Ltd. (Incubated by IIT Guwahati).

Matlab webinar

- Prof. Ankur P. Desai has attended MATLAB webinar on "Programming with MATLAB" with registration ID: 171753.
- Prof. Ankur P. Desai has attended MATLAB webinar on "Arduino and beyond: Embedding MATLAB and Simulink algorithms on hardware" with registration ID: 326935.
- Prof. Ankur P. Desai has attended MATLAB webinar on "FPGA for DSP applications: Fixed Point Made Easy" with registration ID: 362766.

Paper Publication

- Prof. Ankur P. Desai has published Research Paper on "A Case Study of PWM and SVPWM Generated Electrical Ac Drives" in IJSRD (International Journal for Scientific Research and Development) with Impact Factor of 4.396 with IC value 64.81.
- Bhavin Trivedi, Jaykishan Raval, Jay Desai, Kamlesh Sonwane" Soft Start Of Induction Motor Using Traic Switching" in International Journal Of Engineering Development & Research Vol. 5 Issue 2 June 2017

Civil Engineering

- Prof. Pritesh R. Rathod has published and presented a paper "New trend in Concrete: White concrete by using white micro silica flume" in 2nd international conference on Research Trend in Engineering Applied Science and management (ICRTESSM-2017) - Chandigarh.
- Prof. Pritesh R. Rathod has organized one day seminar on "Carrier Opportunity" with Academy Surat for civil department student.

Automobile Engineering

Jury Member

- Prof. Toral Patel was invited for as a JURY Member for Project Competition (Project Fair of GTU) for Automobile Engineering Dept. of B.V.P.I.T(D.S) Umrakh, Bardoli on 7/04/2017.

Guest Lecture Delivered

- Prof. Toral Patel was invited for a Guest Lecture on Modern Vehicle Technology for the students of 4th and 6th semester of Automobile Engineering Dept. of B.V.P.I.T(D.S) Umrakh, Bardoli on 07/04/2017

Applied Science and Humanity Department

Paper Publication

- "Excited state mass spectra and Regge trajectories of bottom baryons" by Kaushal Thakkar, Zalak Shah, Ajay Kumar Rai and P. C. Vinodkumar, Nuclear Physics A 965 (2017) 57-73. Elsevier Publications ISSN0375-9474 (Impact Factor: 1.916).

Reviewer

- Dr. Rajiv Kumar Singh joined as a Reviewer in Propulsion and Power Research (Elsevier).

