

Resonance@GDEC

For limited Circulations Only

72nd Independence Day



The National festival of 72nd Independence Day was celebrated with joy and pride at GIDC Degree Engineering College, Abrama, Navsari, in the valuable presence of honourable Mr. Hiteshbhai Shah, Ex. Executive Engineer in Irrigation Department of Government of Gujarat, along with the trustee member Shri C. A. Vinodchandra Desai Sir, Principal Dr. N. D. Sharma sir, teaching, non-teaching,

supporting staff & students. After the introductory words about Independence Day by Prof. Nisha S. Parekh, Principal Dr. N. D. Sharma welcomed all the guests. The flag was unfurled by Shri Hiteshbhai Shah. Everyone gave respect to the national flag by saluting it and by rhythmic singing of the National Anthem. All the guests gave the inspirational speech on the occasion of Independence Day. The celebration was ended with the vote of thanks by Prof. Harshal G. Vashi. After completion of the formal ceremony, students presented various project works.

Government Engineering College, Valsad students @GDEC



On 21st September, 2018, Mechanical Engineering students of Government Engineering College, Valsad visited GIDC Degree Engineering College, Mechanical Engineering Department for practical Performance of Fluid Power Engineering Laboratory. Mechanical Department faculty team demonstrated and performed the practical on Pelton wheel

turbine, Francis turbine, Centrifugal pump, Reciprocating pump, gear pump and Air compressor to around 70 students. This session was important for the students to enhance knowledge and practical aspects of subject Fluid Power Engineering. Practical performance session was conducted by Prof. Daksh R. Tandel, Prof. Dharmik A. Patel, Mr. Divyesh C. Patel and Mr. Ismail I. Saiyad under the supervision of Dr. H. S. Patil, Head of Mechanical Engineering Department.



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GDEC Team

Dr. N. D. Sharma,
Principal

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Head, Mechanical Engg. Dept.

Prof. Archana Nayak,
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Dr. Shailesh. S. Patel,
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Editorial Team

- Prof. Archana M. Nayak
- Prof. Bhumiika H. Patel
- Prof. Kushal D. Patel
- Mr. Nilesh G. Patel

Student Startup and Innovation Policy(SSIP)

GIDC Degree Engineering College takes pleasure in announcing that the institute has been selected for SSIP grant. A maximum grant of 20 lakhs rupees has been sanctioned for year 2018-19. In addition, the institute will provide matching grant of equal amount.

Government of Gujarat has developed a policy for providing assistance to Start-Ups/Innovation. Under this scheme, any individual/group of individuals having innovative idea/concept will be eligible and/or Universities/education institutions, Incubation Centre/PSUs/R&D Institutions/Private and other establishments will be eligible as an institution to support and mentor to innovators as approved by Committee. Start-Ups in an economy's technology sectors, is an important indicator of technological performance for several reasons. This grant was possible by the successful effort of SSIP Cell of GIDC DEGREE ENGINEERING COLLEGE.

Principal	In charge	Members
Dr. Neeraj D. Sharma	Prof. Nilesh Parmar(Civil Dept.) Prof. Toral Patel (Automobile Dept.)	Prof. Harshal Vashi (ASH Dept.) Prof. Mihir Naik (Civil Dept.) Mr. Dixit Patel (Automobile Dept.)

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Principal Message

It's my privilege to introduce myself as Principal of GIDC Engineering College (A PPP Model Institution managed by GIDC Education Society) from August-2018.

Here I am delighted to introduce the current edition of GDEC newsletter October 2018. GDEC newsletter reflects the show case activities of college along with student and staff attainments. Newsletter is intended to enrich every stakeholder with positivity and enthusiasm.

It has remained strategy of institute to maintain the environment for the overall development of students and staff member where their innovations and creations are entertained. Institute is committed for quality education and development of skills in students so they can stand with confidence, commitment and integrity in society.

In the direction of start-up, institute has initiated for SSIP cell (Student start up and innovation cell) to develop student centric innovation and pre incubation ecosystem for students as well as to create a common platform to showcase, support and upscale innovations for motivating stake holders. To motivate and encourage creations of students Techfest "UDAAN" and Science Fair "AVISHKAAR" are scheduled in first week of October -2018.

Institute has also shown its best motion towards the noble government initiative of skill development through Pradhan Mantri Kaushal Vikas Yojana (PMKVY) which aims to train the unemployed youth in engineering skills employment. Under this, courses of Field Technician – Computing and Peripherals, CNC Operator-Vertical Machining Centre, Automotive Service Technician, Mason General, Distribution Lineman were offered.

It's time to nourish the generation with sustainable, effective and practical vision which will create milestones in technology and society.

Institute welcomes the batch 2018 students of first year as well as Diploma to Degree and extends best wishes them for their future career success.

Dr. N. D. Sharma

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 B. C. Warli B.E Civil	Member Secretary	Director (NA) & General Manager, GIDC, Gandhinagar
Shri N. P. Vadalia B.E Civil	Member	Executive 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

Essays writing Competition on "National Integration and Community Harmony"

GIDC Degree Engineering College organized essays writing Competition on the topic "National integration and community Harmony". About 120 students participated in this competition.

As per the direction of the Government of India's Ministry of Home Affairs and the Education Department of the Government of Gujarat, "National Integration and Community Communication" Subject to this, it has been suggested to organize this Essay Competition in institutions of higher education and technical education in the state.



Certification course under Pradhan Mantri Kaushal Vikas Yojana (PMKVY)

GIDC Degree Engineering College has started various technical courses which are approved by various councils of India under the scheme "Pradhan Mantri Kaushal Vikas Yojana (PMKVY)" to provide technical training to the society during academic year 2017-18.

1. Under this scheme, Computer Engineering Department has started the courses "Field Technician – Computing and Peripherals" which is under Electronics Council of India. In this course, 24 students were appeared the exam and had successfully cleared the exam and got the certificate.

2. PMKVY mason general course in Civil Engineering Department was successfully completed on 2nd September, 2018.



An expert session on

"How to motivate students for innovative projects & utilization of Government Grants"



An expert session (Sensitization event of faculty members) was conducted on 1st September 2018 on "How to motivate students for innovative projects & utilization of Government Grants" for faculty members of GIDC Degree Engineering College by Dr. Yogendra K. Tandel (SSIP Co-ordinator, GEC, Dahod).



An expert session on "Vishwabandhutva Divas"



On 11th September, 2018, GIDC Degree Engineering College celebrated Vishwabandhutva Divas. As a part of the celebration college had organised an expert talk on Swami Vivekananda and his contribution to the nation. Our beloved trustee member Shri C. A. Vinodchandra Desai sir gave his expert talk on the topic and inspired the students. Shri Chandreshbhai Shah and Vinay Karmarkar were also invited as guests for the celebration. They gave very useful information about Swami Vivekanand Kendra, Navsari and their work. At the end Prof. Nisha S. Parekh gave vote of thanks. The



programme was successfully organised by Prof. Dr. Shailesh S. Patel and Prof. Harshal G. Vashi.

An expert session on "Stability of Slopes"



Civil Engineering Department had organized the expert lecture on "stability of slope" in Geotechnical Engineering Field for 3rd year students on 24th August, 2018. Expert lecture was delivered by Dr. Yogendra k. Tandel who is working as an Assistant Professor in Applied Mechanics department at Government Engineering College, Dahod. Prof. Jaldip Patel and Prof. Krutika Chauhan co-ordinated the whole event.



Seminar on “Nuclear Energy: Powering Sustainable Development”

A one day Awareness Seminar on “Nuclear Energy: Powering Sustainable Development” was organized for final & pre-final year students of Electrical Engineering Department in Association with Nuclear Power Corporation of India Ltd., on 27th July 2018.

Expert talk was delivered by Dr. A. K. Patra, Scientist, Bhabha Atomic Research Centre & Mr. R. K. Dubey, Senior Training Officer NPCIL, Kakrapar. Dr. R. J. Motiyani, Head, Electrical Engineering Department delivered welcome address and discussed about public misperceptions associated with Nuclear Energy. This One Day Awareness Seminar was coordinated by Prof. Bhavesh S. Patel, Prof. Rohit B. Damor under the guidance of Dr. R. J. Motiyani. All the staff members of department had also participated in this workshop.



Seminar on “Applications of Mechanical Software”



Mechanical Engineering Department Organized Seminar on “Applications of Mechanical Software” for 2nd year students to make them aware about Software used in different fields of Mechanical Industries. Seminar was delivered by Mr. Rahul Sharma, Head, SAI CAD CENTRE, NAVSARI.



Workshop on “Hands on Session on Amazon Alexa Skills Development for Beginners”

One day workshop on “Hands on Session on Amazon Alexa Skills Development for Beginners” was conducted in Computer Engineering Department for final and pre-final year students on 31st August, 2018. All the faculties of Computer Engineering Department along with lab Assistants attended this workshop. In addition, about 52 students participated.

At beginning, Mr. Hindustani Modi, expert from GOLDENMACE IT Solutions, introduce about Amazon Alexa. After the introduction, students used Amazon Web Services (AWS) Lambda in laboratory during hands-on session. Students have developed “Alexa Skill” on Alexa Skill Development Console. Then they have deployed and tested their developed “Alexa Skill” testing environment and mobile devices. Practical session was supported by Mr. Rakesh Patel and Mr. Bhumina Naik along with Mr. Hindustani Modi. Students felt that this value added workshop on Amazon Alexa was very much useful for them and they got the basic idea for developing Amazon Alexa Skill. This program was co-ordinated by Prof. Archana Nayak, Prof. Brijesh Patel, Prof. Bhumika Patel and Prof. Kushal Patel.



Workshop on “Industrial Electrical Engineering”



Electrical Engineering Department had organized a 3 Days workshop on “Industrial Electrical Engineering” during 17th-19th August, 2018 for final year students in association with RAHAT Electricals, Surat. Prof. Dhaval K. Patel, Prof. Dhruvang Gayakward and Prof. Ankur P.

Desai had coordinated the workshop under the guidance of Dr. R. J. Motiyani, Head, Electrical Engineering Department.

Workshop on “PCB Etching and Circuit simulation”

Electrical Engineering Department had organized a 2 day workshop on “PCB Etching and Circuit simulation” during 23rd-24th August, 2018 for pre-final year students. Prof. Ketan Lad, Prof. Dhaval Patel and Prof. Rohit Damor had co-ordinated this workshop under the guidance of Dr. R. J. Motiyani, Head, Electrical Engineering Department. Total 29 students participated in this workshop.



Lord Ganesha

On 13th September (Ganesha Chaturthi), Ganesha idol was implanted at Civil Engineering Department of college. During this, students as well as college staff participated in various religious rituals. On, 15th September, Ganesha Visarjana was held.



Tree plantation at GDEC

Prof. Dhaval Patel, Prof. Pritesh Rathod, Prof. Brijesh Patel, Prof. Daksh Tandel & Prof. Kenal Tandel organized Tree Plantation Event during Induction Program of first year students on 8th August '18.



Placement @ GDEC

GOLDENMACE IT SOLUTIONS

Goldenmace IT Solutions, a Software Development Company campus placement for final year students of Computer Engineering Department on 30th June, 2018. Around 31 students participated in this placement drive. Campus placement was commenced with introduction about company profile followed by online exam for aptitude and technical question. 10 students cleared online test and appeared for practical examination. 5 students were shortlisted for personal interview. Yashwant Mali (161103107003) has been selected in this placement.



Prabhakunj Developer, Navsari

Placement of the following students (2015 batch) through campus was successfully accomplished in Prabhakunj Developer, Navsari in July, 2018.

Sr. No	Semester
1	Prashant Patel
2	Mihir Rathod
3	Rohan Patel

Savex Electricals (India) Pvt. Ltd.

NAIK VIHAR, 2018 passed out student of Electrical Engineering Department is selected in "Savex Electricals (India) Pvt. Ltd.", Surat.



Casepoint Pvt. Ltd., Surat

On 19th September 2018, Casepoint Pvt. Ltd., Surat conducted Placement drive for final year Student of Computer Engineering. Around 33 students participated in this Placement drive where Pre-Placement talk followed by Online Technical test was conducted. Total 19 students were shortlisted for the practical test and final round of Interview.



Industrial visit @Swadesh Udyog, GIDC POR, Vadodara

Automobile Engineering Department organized Industry visit on 6th September, 2018 to Swadesh Udyog, GIDC POR, Vadodara, for 5th semester students along with Prof. Mayur Jalanapurkar & Prof. Kenal Tandel. Swadesh udyog is a leading manufacturer and exporter of quality assured range of Metal Swings, Drip Line Pipe Winder, Dies And Tools, Jigs And Fixtures, Automotive Testing Machines, etc. The objective of this visit was to get exposure to industry and modern technologies used in industry as well as to get practical knowledge of subject Automotive Manufacturing. From this visit, Students learned about automobile component punching process, clutch tester machine, tubes bending machines, TIG, MIG, Spot welding machine, grinding process, component finishing process & others so on. This visit was really useful & very knowledgeable for students.



Industrial visit @BSNL, Surat

To get practical knowledge and to give an insight about the way things work in the real life scenario, students of Computer Engineering visited Surat on 29th September, 2018 assisted by Prof. Kaushal T. Kevadia and Mrs. Amruta Naik. A group of 50 members of Computer Engineering Department, GDEC, Navsari visited Regional Telecom Training Centre (BSNL).

After reaching to Market Exchange SURAT, group of around 15-16 students were formed. Each group visited below labs on rotation basis. In each lab the lab instructor explained regarding the telecom equipment.

1. Local Telephone Exchange, 2. Tax Exchange, 3. Broadband -DSLAM
4. PCM/Optical Fiber Cable and System Lab / DWDM, 5. BTS - GSM System, 6. MDF,
7. Battery Power Plant



Industrial Visit

Sardar Sarovar Dam, Narmada

Technical visit to Sardar Sarovar Dam for the 7th semester and 5th semester students was arranged by the Prof. Manali Shah, Prof. Sunil Jaganiya, Prof. Pritesh Rathod, Lab assistant Ms. Bina Patel and Ms. Forum Patel in order to enhance their knowledge regarding some of the practical aspects of the dam construction on 31st July, 2018. The visit covered CBPH, RBPH, canal head regulator and A-frame.



NHB Ball & Roller LTD, Amalsad

Prof. Harshal Vashi, Prof. Ankur Desai, Prof. Nimit Raval, Prof. Kenal Tandel, Prof. Mayur Goti, Mrs. Amruta Naik, Mrs. Anita Patel Mr. Akash Patel have organized industrial visit for all the first year students on 4th August, 2018 at "NHB Ball & Roller LTD", Amalsad in order to enhance their knowledge regarding some of the practical aspects.



ASPEE Group of Companies, Bilimora

The second year and final year of Mechanical Engineering students visited to ASPEE Group of Companies at Bilimora plant on dated 5th September 2018. About 106 students along with Prof. Dr. H. S. Patil, Dr. D. C. Patel, Prof. H. B. Patel, Mr. Brijesh Patel visited the plant. ASPEE is leading group of manufacturing the Agriculture Sprayers, Dusters and other Appliances needed for agriculture and public health with the help of its own R&D department. ASPEE is having its in-house facilities for manufacturing of various parts of agro equipment. They visited all departments starting from store to final product development, which includes tool room with CAD/CAM, Wirecut m/c, Milling m/c, EDMS, Injection moulding machine shop; Blow moulding shop; Machine shop having single spindle Automats, SPMS, Turret lathes & Sheet metal fabrication facilities; Inspection & QC Department. In addition, they have fruitful meeting with managing director Shri. Suman Patel and discussed how could be plan for vocational training of pre-final year students and placement of GET in future for mechanical engineering students.



Publication, Participation and Achievement

ASH Department

Paper Publication

- Prof. Mansi K. Desai and Dr. Shailesh S. Patel published a paper on "An Analytical Solution of Non Linear One Dimensional Diffusion Equation by Homotopy Perturbation Method" in Journal of Applied Science and Computation (JASC). Volume – 5, Issue – 6, June – 2018, ISSN No – 0076 – 5131.
- Prof. Megha K. Tailor and Dr. Shailesh S. Patel published a Paper on "Study of Imbibition Phenomenon in Homogenous Porous medium Using Finite Difference Method" in Journal of Applied Science and Computation (JASC). Volume – 5, Issue – 9, September – 2018, ISSN No – 1076-5131

Civil Engineering Department

STTP attended

- Prof. Manali Shah attended one week short term training program (STTP) on "Flood Analysis And Modelling" organized by Civil Engineering Department, SVNIT, Surat during 4th -8th June, 2018

Workshop attended

- Prof. Hemina Patel attended one day workshop on "Vapor Absorption and Vapor Adsorption Refrigeration System" organized by joint venture of L&T and Parul Institute of Technology, Vadodara on 17th August, 2018.

Mechanical Department

Online Course attended

- Prof. Harsh R. Naik successfully completed online certification course on "Six Sigma Yellow Belt", "Six Sigma Green Belt" and "Supply Chain operations" during month of June and July 2018.

Workshop Attended

- Prof. Dhaval S. Chaudhary attended one day workshop on "3D PRINTING", organized by Laxmi Institute of Technology, Sarigam on 20th September 2018.

Electrical Department

Paper Publication

- Prof. Ankur P. Desai and Dr. R. J. Motiyani published research paper on "Analysis and Validation of Speed Control of Three Phase Induction Motor using Two Level Inverter and MATLAB Based SPWM Technique" with paper ID IJSRDV6I70142 in International Journal for Scientific Research and Development (IJSRD) with ISSN No. 23210613

Seminar attended

- Prof. Ankur P. Desai attended "Leadership in Engineers" Speaker:-Nimisha Parikh dated 4th August, 2018 at GIDC Degree Engineering College.
- Prof. Bhavesh S. Patel attended all India seminar on "Smart Grid Technologies & Indian Power Scenario" held on 23th June, 2018 organized by Electrical department, C. K. Pithawala College of Engineering & Technology, Surat and the Institute of Engineers (India) SGLC.

Workshop attended:-

- Prof. Ankur P. Desai attended a one Week Short Term Training Program on "Power Electronics System Implementation Using ARM Cortex-M4 Microcontroller" during 15th - 19th August 2018 at SCET, Surat.

Technical Expo visit:

- Prof. Ketan Lad & Prof. Dhaval Patel attended "AUTOMATION EXPO 2018" at Goregaon, Mumbai on 1st September, 2018.