

Resonance@GDEC

For limited Circulations Only

2nd Runner's Up at Inter College Competition



Navsari Management Association (NMA) Organized an Inter College Competition titled with 'What an Idea!' on 9th March, 2019 at Anavil Sanskar Trust, Navsari. There were multiple teams from and across Navsari regions took an active participation in this competition. Two teams from GIDC Degree Engineering College, Abrama, one from Automobile Department (2nd year) and other from Computer Department (3rd year) has participated in this competition.

Students from Computer Engineering Department (Karan Katira, Patel Bhaumik and Soham Varia) have secured 3rd Position in this competition. Team has represented an Innovative Idea on Smart Energy Meter which was based on

Internet of Things (IoT) to provide effectiveness in energy billing and its usage consumption in detailed manner which could be helpful to both at Government side as well as Consumer side. Second team has represented an Innovative idea on Smart Dustbin.

Gujarat Industrial Hackathon-2019 (Regional Round)

Gujarat Knowledge City (GKS) and Student Start-Up Innovation Policy (SSIP) education Department, Government of Gujarat has organized Gujarat Industrial Hackathon-2019. For this Hackathon, Regional Round was organized at four centers, IITRAM (Ahmedabad), BVM (Anand), Auro University(Surat), Marvadi University (Rajkot) during 19th – 22nd February, 2019.

3 Teams of Computer Engineering Department, GIDC Degree Engineering College, Abrama had been shortlisted after submission of idea solution on various problem statements and had participated in this Regional Round of Hackathon. Each team had developed prototype and Software/Hardware based solution on Problem Statement given by various Industry for Industrial Hackathon.

As a result of regional round, 2 teams have been selected for the grand finale which will be held in the month of April-2019.



Visit at Vibrant Gujarat Summit-2019

20 students from each department along with following 20 staff members of GIDC Degree Engineering College had visited 'Vibrant Gujarat Summit-2019' at Mahatma Gandhi Mandir, Gandhinagar on 19th January 2019 with kind co-operation of the principal, Dr. Neeraj D. Sharma.

Staff Members: Prof. Nilesh Parmar, Prof. Ketan Lad, Prof. Mayur Patel, Prof. Hariketana Patel, Prof. Ankit Patel, Prof. Sunil Khokhar, Prof. Harshal Vashi, Prof. Bhumika H. Patel, Prof. Mayur Jananapurkar, Prof. Mihir A. Mishra, Prof. Mihir Naik, Prof. Megha Tailor, Prof. Khyati Naik, Prof. Jay Desai, Prof. Tejas Patel, Prof. Jaldip Patel, Prof. Dharmik Patel, Mr. Sanjay T. Patel & Mr. Darshan Shukla.



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GDEC Team

Prof. Dr. Neeraj. D. Sharma,
Principal

Prof. Dr. Hiralal S. Patil,
Head, Mechanical Engg. Dept.

Prof. Dr. Shailesh. S. Patel,
Head, Applied Sci. & Huma. Dept.

Prof. Dr. Rakesh. J. Motiyani,
Head, Electrical Engg. Dept.

Prof. Dr. Bhavin G. Patel,
Head, Civil Engg. Dept.

Prof. Archana Nayak,
Head, Computer Engg. Dept.

Prof. Toral Patel,
Head, Automobile Engg. Dept.

Editorial Team

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

Placement @GDEC

Following students of Computer Engineering Department had been selected for Placement/Internship in Interview/ Placement Drive by various software companies as given below:

1. **Jack Solution** : Nisha Bhalodia, Viraj Kansara, Parth Panchal
2. **SSM InfoTech** : Rinkal R. Patel
3. **NNC** : Dhanraj Yadav, Vasudha Saraivaiya
4. **Upstair Technologies LLP** : Maitri Desai

Principal Message

By presenting the current edition of GDEC Newsletter ,it is to share that the present era demands the application of knowledge as well as the development of innovation pool which fetches the innovative ideas for the application . It is desirable that institute should coordinate and nourish the students with innovations and creativity along with subject knowledge. GIDC Degree Engineering college has also initiated in this direction thorough implementation of Student Start-up & Innovation Policy (SSIP).

Flow of technical education is expected to deliver in logically fragmentations like Delivery of fundamentals with initial layman level approach , nurturing the core level subjects along with exposure to practical approach and hands on practices, open up the advances of technologies with potential of implementation and development of innovatives. These all are necessarily to be provided with essential facet of communication skill , soft skill development , employability skill development and confident aptitude in students. Quality level education enables with equal contributions of students and institutes ,therefore both stack holders have to provide proportionate inputs.

For the awareness of SSIP, institute has conducted several sensitization programmes at various institutes as well as delivered technical allied expert lectures .Staff members have also attended Faculty development programmes , workshop in this duration. Three staff members have also published books of their expertise area.

As a part of extracurricular activities Institute has successfully organized annual day GUNJ -2019 and Sports week “Maitri Olympiad “ .

With kind co-operation of GIDC Education Society ,Students have been exposed to Vibrant Summit , National seminar on Application of Radioisotopes and Radiation which has enriched their horizon of knowledge. It is matter of pride that Our students have also selected for the final round of state industrial hackathon .

Final year students are going to be passed out in coming couple of months. On behalf institute, I would like to extend best wishes for their future .We wish that society will get benefited thorough the imparted knowledge from the institute.

With warm wishes.....

Dr. Neeraj 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

A session on “JOB OPPORTUNITIES IN TATA CONSULTANCY SERVICES AND OTHER CORPORATES”

A session on “JOB OPPORTUNITIES IN TATA CONSULTANCY SERVICES AND OTHER CORPORATES” had been conducted for Final Year and Pre- Final Year Students of all branches on 28-02-2019 at 11:00 am to 12:30 pm. Discussion during session: Various kinds of qualifying tests had been conducted by Tata Consultancy Services like TCS National Qualifier Test (TNQT), Common Corporate Qualifier Test (CCQT). In addition, a Free 20 Hour Webinar Program to help students prepare for placement, A program comprise of coaching on aptitude, logical reasoning, basic programming, interview techniques and also overview sessions on the latest Business 4.0 domains such as Analytics, Cloud, Blockchain, Machine Learning, etc. offered by TCS's Leadership team have been discussed



Hand holding session by SSIP Committee

Prof. Nilesh Parmar, had arranged hand holding session by SSIP Committee, discuss about SSIP guideline for fund distribution at GIDC College on 8th March 2019.



ICCR, Distribution of final year student certification

Professor Nilesh Parmar has attended “ICCR, Distribution of final year student certification” at Governor house, Gandhinagar during 20th February.



“SSIP Project Screening”

Government of Gujarat has developed a policy for providing assistance to Startups/ Innovation. GIDC Degree Engineering College has started Student Startup Innovation Policy (SSIP) to evaluate and support students related innovative projects in the ongoing regular curriculum syllabus. Government of Gujarat under Student Startup Innovation Policy approved grant up to Rs. 2 Lakh to support innovators for proof of concept (prototyping) of the projects and 25,000 for patent support. SSIP cell of GDEC had organized 1st “SSIP Project Screening” on 2nd January 2019 to provide support for proof of concept or patent to potential of young students across various educational institutions in Gujarat. The screening session was initiated by Prof. Toral Patel (Institute SSIP Coordinator), she gave brief introduction to our expert about SSIP and Screening Process. Mr. Pankajsinh Thakor (Industry Expert), Mr. Jignesh Desai (Industry Expert), Mr. Amitbhai Mehta (Finance Expert), Dr. N. D. Sharma (Principal/Institute SSIP Chairperson), Dr. Bhavin Patel (Academic Expert), Prof. Archana Nayak (Academic Expert), Prof. Harshal Vashi (Startup Ecosystem Expert) were present as a jury member to share their expert views and provide guidance to students. Trustee member Shri Vinodchandra Desai (Chartered Accountant, Navsari) also graced event with his presence. 30 groups applied for SSIP Project Screening process across Gujarat. The different project ideas were evaluated based on Innovation, Problem Opportunity, Proposed Solution, Business Model, and Project Viability. Innovative project ideas were presented by students from various colleges of South Gujarat region. The below mentioned groups are selected as per SSIP guidelines for SSIP Project Screening conducted on 2nd January 2019.



No.	Department	Group Details (Name Of Students)	Mentor Name	Topic
1	Automobile(GDEC)	Patel Jaynishkumar, Kashyap Mistry, Prajapati Kevin, Naik Devang, Shah Manav	Mr. Kenal D. Tandel	Atv Vehicle
2	Civil(GDEC)	Chovatiya Dhara, Mistry Rameshkumar, Lad Mohit , Patel Shayam, Patel Vatsal	Mr. Sunil Jaganiya	Experimental Study on Self Healing Concrete by adding species of bacillus
3	Computer(GDEC)	Bhavin Parmar, Mohit Desai, Viraj Kansara, Brijesh Patel	Mr. Brijesh Patel	Farming Automation
4	Chemical(FETR)	Dhrumil K. Prajapati	Dr. Latesh B. Chaudhari	Synthesis of zeolite using flyash and its application for the treatment of Industrial waste water
5	Chemical(FETR)	Vishnu K. Manani, Abhishek Gujjar, Zenil Gheewala, Keyur V. Chodvadia	Dr. Latesh B. Chaudhari	Synthesis of organic compost using dry & wet waste
6	Electrical(FETR)	Mahima Bhamre, Riddhi Desai, Aadarsh Rathod	-	GPS based border alert system
7	Computer(FETR)	Mahendra Sharma, Aadil Shaikh, Dharmin Rathod, Saurabh Jha, Shivang Panchal	-	Reception Chatbot(HELPI)
8	Mechanical(GDEC)	Shrikant Pandey, Kaizar Bata, Bhaktesh Parmar, Manthan Kuber, Naushad Patel	Dr. Dilip C Patel	Design And Development Of Innovative Fatigue Test Rig For Composite Material
9	Mechanical(GDEC)	Gemlawala Karan, Chandrola Gaurav, Shaikh Noman, Kothari Pruthvi	Mr. Harsh R Naik	Design And Development Of Prosthetic Leg
10	Electrical(GDEC)	Neel Patel, Kinjay Patel, Mihir Patel, Tarang Lad	Mr. Bhavin Trivedi	Smart Agriculture Drone for spraying pesticides
11	Electrical(GDEC)	Darshan Thakor, Bhavik Patel, Keyur Patel, Divyesh Patel, Dhaval Patel, Ketan Lad	Mr. Dhaval k. Patel	Automatic Mail Sorting Machine
9	Civil(GDEC)	Parth Desai, Dhruv Patel, Khushi Ahir, Dimple Patel, Ankur Patel	Prof. Pritesh R. Rathod	Rational design of stone column for dynamic nature of soft soil

Election Awareness Campaign

As a Ambassador Of Election Commission, Mr. Vispi Kasad (state icon-Gujarat) had organized election awareness program at GIDC Degree Engineering College on 1st February, 2019.



Drug Free India Campaign

Drug Free India Campaign GIDC Degree Engineering College, participated in launch of “Drug Free India Campaign” via live webcast on 19th February, 2019. The event was inaugurated by light lamps. Principal Dr. Neeraj D. Sharma addressed the students and faculties with their welcome speech.



◆ GUJCOST Sponsored STTP on “Designing Embedded Systems Enhanced with IoT using Micropython” ◆

Computer Engineering Department, had organized one week STTP on “Designing Embedded Systems Enhanced with IoT using Micropython” sponsored by GUJCOST, Govt. of Gujarat, during 8-12 January, 2019. The objective of this STTP was to provide the knowledge on IoT from an overview to in depth hands-on for designing IoT based application/small project and proficient with the hardware and software used to make IoT based application. On Day 1 and Day 2, expert Prof. Jignesh Patoliya, an assistant professor in the department of EC engineering at the Charotar University of Science and Technology, Changa, gave introduction about IoT, its architecture, application and which device to use for creating IoT enabled embedded system. He also gave brief about embedded system. In addition, he takes hands on session on Python Programming with hands on session with ide such as arduino and uPyCraft. On Day 3, Mr. Miral Desai, an assistant professor in the department of EC engineering at the Charotar University of Science and Technology, Changa, delivered session on introduction to Raspberry Pi. During hands-on session participants performed various programs interfacing Raspberry Pi with various hardware such as leds and switches. On Day 4 and Day 5, expert Mr. Ashutosh Bhatt, Embedded Software Engineer at eInfochips, Ahmedabad, delivered session on visual programming, UI development and IoT with NodeRED. In addition, he delivered session on Python OOPs concepts and MQTT protocol in Python with hands on for using this software how can we activate different graphical interface elements and how we can activate them using code. At the end, the participants were awarded by certificate.



Patron: Dr. Neeraj D. Sharma (Principal)

Convener: Prof. Archana M. Nayak (Head, Comp. Engg.)

Coordinators: Prof. Hetal M. Patel, Prof. Bhumika H. Patel, Prof. Vibhuti P. Patel, Prof. Pankti S. Naik

Organizing Committee: Prof. Kaushik Patel, Prof. Kaushal Kevadia, Prof. Brijesh Patel, Prof. Kushal Patel, Prof. Mihir Mishra, Prof. Tejas Patel, Mr. Himanshu Patel, Mr. Nilesh Patel, Mrs. Amruta Naik

◆ Workshop on “Orientation of StartUPS and Innovative Android Application Development using Android Studio” ◆

SSIP cell and Computer Engineering Department of GIDC Degree Engineering College, Abrama, Navsari had organized 2 day workshop on “Orientation of StartUPS and Innovative Android Application Development using Android Studio” during 8th-9th March, 2019. This workshop was hands-on approach program which is designed for providing essential skills and experiences to the students in developing android applications. Prof. Archana Nayak, Head of Computer Department, introduces about the various SSIP activities and motivate participant for the Start-UPS. In addition, she gave brief information about Android Operating System.

On Day 1, Prof. Kushal Patel gave brief introduction about an Android & its Application Framework. In addition, he taught participants to make first application in android. Furthermore, he conducted hands-on session on various Android Layouts. Prof. Brijesh Patel explained the utilizations of Intents and Activity in android applications. In addition, he conducted hands-on session on UI Controls and its application in various android Apps. On Day 2, Prof. Kaushik S. Patel conducted hands on session on SQLite Database manipulation in Android Application. Prof. Tejas Patel gave brief information about Firebase and its application. Participants developed an Android app that updates live data to/from cloud in Android apps. Around 50 students of various colleges are participating in this workshop.



◆ Expert talk on “Joys of being a Production Engineer” ◆

Mechanical Engineering Department had arranged an expert talk on “Joys of being a Production Engineer” on 19 March 2019. The expert lecture had been delivered by Mr. Pralhad Dabholkar, a double Graduate from IIT Mumbai in Mechanical and Aeronautical Engineering, MD of Tucson Hydrocontrols. He had explained briefly about basics of production engineering, skill required for production Engineer, Hydraulic and manufacturing systems, particularly cutting and abrasive machining process. He also covered importance of financial knowledge, Human resource management and critical thinking as being a production engineer. At the end, he explained constant learning and, improvement with existing technology is a key aspect for Production Engineer. Around 85 students of final year and faculty member attained the expert lecture. The session was important for the students related to final year subject Product development and value Engineering.



◆ Government Polytechnic, Navsari's Student at GDEC Campus for Practical Performance ◆

Government Polytechnic, Navsari had visited Electrical Engineering Department of GIDC Degree Engineering College for Practical Performance of Switch Gear and Protection subject on 3rd March, 2019. This Practical lab session was conducted by Prof. Ankur P Desai, Prof. Bhavesh Patel and Prof. Dhruvang Gayakwad. Government Polytechnic, Navsari had visited Electrical Engineering Department of GIDC Degree Engineering College for Practical Performance of subjects Electrical Machines and Digital Electronics on 20th March, 2019. These Practical lab sessions was conducted by Prof. Bhavesh Patel, Prof. Rohit Damor, Prof. Dharmishtha T. Patel, Kamlesh Sonwane, Apeksha Desai and Chetna Patel.

◆ Webinar Session on “Construction Practices” ◆

Civil Department had organized a webinar session on “Construction Practices” with jointly effort of UltraTech Cement Ltd, on 12th February 2019 for final year students and other surrounding engineers. The event was co-ordinated by Dr. Bhavin G. Patel & Prof. Vikunj K. Tilva.

“Expert Lecture on Advance Technology for Wastewater Treatment”

Civil Engineering Department of GIDC Degree Engineering College Abrama, Navsari organized an expert lecture on “Advance Technology for Wastewater Treatment” in Water and Wastewater Engineering Field for 3rd year students on 11th February, 2019. Expert lecture was delivered by Prof. Ketan D. Patel (Assistant Professor, Civil Engineering Department, at R.N.G. Patel Institute of Technology, Bardoli, Navsari). Dr. Neeraj D. Sharma (Principal) and Prof. Hemina Patel co-ordinated the whole event.



Expert session on “Modelling Using NX CAD Software”

Mechanical Engineering Department has arranged an Expert session for “Modelling Using NX CAD Software” on 16-03-2019. NX, formerly known as “UG”. In 2000 Unigraphics purchased SDRC I-DEAS and began an effort to integrate aspects of both software packages into a single product which became Unigraphics NX or NX. NX is an advanced high-end CAD/CAM/CAE, which has been owned since 2007 by Siemens PLM Software. It is used, among other tasks, for Design (parametric and direct solid/surface modelling) Engineering analysis (static; dynamic; electro-magnetic; thermal, using the finite element method; and fluid, using the finite volume method). Manufacturing finished design by using included machining modules. The session was delivered by Mr. Kaushik Patel, Expert of NX CAD and owner of CADD Center Valsad. The expert session was organized for 6th semester students of Mechanical engineering department regarding the subject offered COMPUTER AIDED DESIGN by GTU. In this session, thorough knowledge and detail explanation of 2D Sketching, 3D solid Modelling and assembly, surface modelling, sheet metal and reverse engineering were given by expert. This expert session was attended by about 96 students and faculties of mechanical engineering department. The session was coordinated by Mr. Mayur R Patel and Mr. Hariketan B. Patel



“Zone Level Project Scouting Competition 2019 (GTU Zone V)”

A successful “Zone Level Project Scouting Competition 2019 (GTU Zone V)”, was organised on 19th March, 2019 at GIDC Degree Engineering College, Navsari by Training & Placement Cell under the Student Startup and Innovation Policy (SSIP) Cell. All the final year students had participated to show their abilities in form of Posters/ Models/ Presentations. All the colleges of GTU South Zone and Industries were invited as competitors. The students brought tremendous project ideas like, Bio-fuels on VCR Engine, Speed Control of 3 phase induction motor using various methods, Pedestrian's Gap acceptance at mind-block location, Flood modeling of river Ambika using HES-RAS, E-Rail, Shishu Care, etc. Those student projects/ groups had also participated in this competition who were already scrutinized for the financial support from SSIP. The students took maximum benefit out of it by creating their own projects and also gained new ideas from the other competitors. The students were so happy by discovering better and more creative ideas and got motivated to create even more innovations in future. Top three innovations were honored as winners and all the competitors had appreciated the champions. The event was successful due to great efforts of GDEC Staff members as well as worthy co-operation from students' side also.



Visit at 'National Salt Satyagraha Memorial', Dandi

To get knowledge and to give an insight about the memorial encapsulates the ideals of Mahatma Gandhi- Agrah for Swadeshi, Swatcha and Satya, students and faculties of GIDC Degree Engineering College, Navsari visited to 'National Salt Satyagraha Memorial', Dandi, on 2nd February, 2019. The 'National Salt Satyagraha Memorial', Dandi, Gujarat, India is conceived as an experiential journey recreating the spirit and the energy of the 1930 Dandi March led by Mahatma Gandhi and 80 of his fellow Satyagrahis, taking the visitors to the Monument step by-step in order to visualise and understand the history of the historic Salt March and the methodology of Satyagraha, which finally led to India's Independence from the British colonial rule. The monument is a 40 metre tall steel A-frame with a 2 and half tonne weighing glass crystal placed at the top. The coastal topography of the area meant that its structure had to be wind tunnel tested. The structure was also wielded with non-corrosive material like duplex steel to ensure its durability. Another unique feature is the laser lights which rises up and illuminates the glass crystal at night to make it a visually enhancing experience. It was a great learning experience for students of all branch of engineering. This monument will keep the fire burning in the heart of every Indian so that we shall not forget the struggles faced by our freedom fighters to achieve the valuable independence of our country. The visit was co-ordinated by Prof. Archana Nayak, Prof. Toral Patel & team.



155th Birth Anniversary of Swami Vivekananda

Swami Vivekananda was born as Narendranath Dutta on 12th January 1863. He was a key figure in the introduction of the Indian philosophies of Vedanta and Yoga to the western world and was credited with raising interfaith awareness. The 155th Birth Anniversary of Swami Vivekananda is celebrated all over the country giving a message to the youth the way of life and ideals that will make India a better country in future.

The celebration started with lamp lighting and offering garland to the image of Swami Vivekanand. Prof. Pankti Naik from Computer Engineering Department shared the life events of Swami Vivekanand with the students. Student Saarth Desai of 8th Semester Automobile Engg. gave an impactful speech to encourage students to follow the philosophy of Vedanta and Yoga. The programme was well received by all the faculty and the students attended. The event was Co-ordinated by Prof. Archana Nayak, Prof. Toral Patel, Prof. Harshal Vashi, Prof. Ankit Patel, Prof. Kaushik Patel, Mr. Nilesh Patel and Mr. Dixit Patel.



Expert session organized on Android Technology in different Diploma Engineering Colleges by Computer Department

Expert session organized on Android Technology in different Diploma Engineering Colleges by Computer Department are as mentioned below:-

Sr. No.	College Name	Date	Involved Faculty
1	Government Polytechnic For Girls, Surat	31st January, 2019	Prof. Kaushik S. Patel, Prof. Tejas B. Patel
2	Government Polytechnic, Waghai, Dang	1st February, 2019	Prof. Kaushik S. Patel, Prof. Tejas B. Patel
3	Dr S. and S. S. Gandhi College of Engineering and Technology	7th February, 2019	Prof. Kaushik S. Patel, Prof. Tejas B. Patel
4	Jayvantrai Harrai Desai Polytechnic, Palsana	28th February, 2019	Prof. Brijesh U. Patel, Prof. Kushal D. Patel

Expert lecture session organized on STAAD Pro. Software in different Diploma Engineering Colleges by Civil Department

Expert lecture session organized on STAAD Pro. Software in different Diploma Engineering Colleges as mentioned below:-

Sr. No.	College Name	Date	Involved Faculty
1	Government Polytechnic, WAGHAI, DANG	1st February, 2019	Dr. Bhavin Patel, Prof. Vikunj Tilva, Prof. Sunil Jaganiya
2	Government Polytechnic, VALSAD	19th February, 2019	Dr. Bhavin Patel, Prof. Vikunj Tilva
3	Jayvantrai Harrai Desai Polytechnic, PALSANA	6th March, 2019	Dr. Bhavin Patel, Prof. Vikunj Tilva

Workshop conducted in different Diploma Engineering Colleges by Electrical Engineering Department

One Day Workshop on "Programmable Logic Controller and Its Applications" was conducted in different Diploma Colleges as mentioned below

Sr. No.	College Name	Date	Involved Faculty
1	Jayvantrai Harrai Desai Polytechnic, PALSANA	21st January, 2019	Prof. Ankur Desai, Mrs. Apexa Desai
2	Government Polytechnic, Vyara	22nd January, 2019	Prof. (Dr.) R. J. Motiyani, Prof. Ankur Desai
3	Government Polytechnic, VALSAD	28th January, 2019	Prof. Ankur Desai, Mr. Nikunj Chaudhari

Expert lecture conducted in different Diploma Engineering Colleges by Mechanical Engineering Department

Expert Lecturer Session on "Modelling of Mechanical Systems Using Solidworks Software" and "CAD G & M Code Part Programming" were conducted in different Diploma Engineering Colleges as mentioned below

Sr. No.	College Name	Date	Involved Faculty
1	Government Polytechnic, Navsari	18th January, 2019	Prof. (Dr.) H. S. Patil, Prof. (Dr.) D. C. Patel and Prof. B. S. Naik, Prof. M. R. Patel
2	Government Polytechnic, Valsad	28th January, 2019	
3	Government Polytechnic, Waghai	1st February, 2019	
4	Jayvantrai Harrai Desai Polytechnic, PALSANA	8th February, 2019	Prof. (Dr.) D. C. Patel, Prof. Tarun N. Patel

Technical visit at Navsari, Gujarat

Civil Engineering Department had organized a technical visit on 14th March 2019. Total 54 students of 6th semester visited commercial building construction. This technical visit gave an idea of the construction failure and investigates the reasons of failure. Student got knowledge about various kind of formwork and refer various drawing that are used during construction. The knowledge regarding practical aspects of the advanced surveying was coordinated by Prof. Mihir Naik and Prof. Jaldip Patel.



Technical visit at Saputara, Gujarat

Civil Engineering Department had organized a technical project tour of contour survey on 13th February 2019 and 14th February 2019. Total 44 students of 4th semester done projects on contour survey. A contour map gives an idea of the altitude of the surface features.

The whole technical project tour of contour survey was coordinated by Prof. Pritesh Rathod and Prof. Sunil Jaganiya.



Industrial Visit at Central Workshop GSRTC, Naroda, Ahmedabad

Automobile Engineering Department, GDEC had organized an industrial visit for 2nd, 3rd and 4th year students at GSRTC - Central Workshop Naroda Ahmedabad on 26th February 2019. 36 students along with two faculty members, Asst. Prof. Sunil Khokhar and Asst. Prof. Ankit Patel have visited. Students got technical knowledge pertaining to concept of engine, assembly line, manufacturing, tyre work, body shop and painting etc. during the visit. As a part of curriculum of subjects like "Automotive and combustion Engine Technology and Automobile System Design" in 8th Semester, "Automobile Chassis and Body Engineering" in 6th Semester and "Automobile Engine" in 4th semester, the students are required to undertake Industrial Training and Technical Visits for Additional knowledge and implement theory knowledge practically.



Industrial Visit at Gujarat Energy Transmission Corporation Limited (GETCO), Navsari

Prof. Dhruvang Gayakwad had arranged visit for 3rd & 4th year students at Gujarat Energy Transmission Corporation Limited (GETCO), Navsari on 26th February, 2019. GETCO is managing transmission and distribution of electrical power in the state of Gujarat.

During this visit, students had got practical exposure of operation and maintenance of switch gears used at 220 KV Receiving Substation like CT, PT, Breakers, isolators, Transformers, PLCC, Bus bar systems, Earthling Switch.

Prof. Ankur Desai, Prof. Jay Desai, Prof. Bhavin Trivedi and Mr. Kamlesh Sonwane visited GETCO, Navsari with total 32 students of 3rd year (Morning Session), 28 students of 4th year (afternoon session). 7 students registered under Pradhan Mantri Kaushal Vikas Yojana (PMKVY) in Electrical Engineering Department have also taken the benefit of this visit. This visit was organized by Prof. Dhruvang Gayakwad under the guidance of Dr. R.J. Motiyani.



TCS-iON Webinar Series

TCS iON Digital Learning Hub is an Online Learning platform offering Courses, Assessments, Communities and Events. It is an ideal platform for an individual who wishes to pursue education on a self-learning pace. It enables educators and trainers to deliver self-paced and blended learning which enables an individual to learn at any place and any time.

The session was delivered by Yashwant Kanetkar. Yashwant Kanetkar is an Indian computer science author, known for his books on programming languages. He has authored several books on topics such as C, C++, VC++, C#, .NET, Java, DirectX and COM programming.

Computer Engineering Department has arranged two online webinars on "Understanding Pointers in C" and "Multithreading in Java" which was organized by TCS-iON.



FDP on Student Induction Program at VGEC, Gandhinagar

Prof. Ashish O. Jain, Automobile Engineering Department, and Prof. Ankur Desai, Electrical Engineering Department had successfully attended and completed the 3 days Faculty Development Program (FDP) for Student Induction Program for AICTE approved institutions (organized by AICTE) which was organized at Vishwakarma Government Engineering College, Chandkheda, Ahmedabad during 29th January to 31st January, 2019.

Various topics were covered in the three sessions/day for three days like Induction Program for newly admitted first year students in engineering colleges, importance of education in holistic development, Human needs, and Universal Human values along with their importance in the Value Education of the Students.



FDP on "INDUCTION TRAINING for Newly Recruited Faculties"

Prof. Rajan Lad, Prof. Dhaval Chaudhry & Prof. Kushal Patel had participated in FDP on "INDUCTION TRAINING for Newly Recruited Faculties" which was held during 25th - 29th March, 2019. The aim of this FDP was to train faculties to use pedagogy methods which will lead to achieve outcome based education. In this FDP, the session was delivered to train the teacher to use innovative methodologies in content delivery like flip the class, video lectures, think pair share etc. This FDP was organized by Gujarat Technological University and AICTE.



National seminar on "Applications of Radioisotopes and Radiation Technology in Agriculture, Healthcare & Industries"

19 students from GDEC had participated in a two-days national seminar on "Applications of Radioisotopes and Radiation Technology in Agriculture, Healthcare & Industries" held at Saffrony Institute of Technology (SIT), Mehsana, Gujarat on 15th & 16th February 2019.

Faculties Participants:

Prof. Nilesh Parmar, Prof. Bhumika Patel, Prof. Mayur J. Jalanapurkar, Prof. Bruhad. S. Naik, Prof. Jay R. Desai



Sports and Cultural Event

GIDC Degree Engineering College celebrated 8th GDEC Annual Festival from 21st to 29th January 2019. The Sports- Maitry Olympiads 2019 was organized from 21st to 27th January 2019 and the Cultural festival was concluded by cultural event GUNJ-2019 on 29th January 2019. In MAITRY OLYMPIADS 2019, most of the students from all departments have participated in various games for both boys and girls, making all events successful with joy, enthusiasm and sportsmen-ship. The whole sport event was coordinated by Prof. Bhavin Patel, Prof. Brijesh Patel, Prof. Pritesh Rathod, Prof. Dhaval Patel, Prof. Daksh Tandel & Prof. Kenal Tandel with support of faculty coordinators and student coordinators. Maitri Olympiads 2019 event always brings out the best performance of the students in field of sports. This year too various sport events were organized like Cricket, Volleyball, Football, Chess, Carrom, Badminton, Kho-Kho, Kabaddi, Table Tennis, GDEC Strongest Man, etc



GIDC Degree Engineering College celebrated 7th GDEC Annual Festival from 21st to 29th January 2019. The Chief Guest of the function was Shri. Aniruddha Panchal, HEAD, Human Resource, Hubergroup India Pvt Ltd. Vapi. The Guest of Honour was Shri. N.R. Dave Employment Officer Navsari District CA. Vinodchandra G. Desai. Principal Dr. N.D. Sharma briefed everyone about the progress achieved by the institute in the past year. The dignitaries delivered their motivational words to encourage students to achieve their best in technical field. On the same day college annual magazine "Profusion-19" was released by the dignitaries. Prize distribution function was conducted for topper students who performed well during their academic year and also to the winners of all the sports events and cultural events to motivate them. Students have expressed great enthusiasm on cultural events and they explored themselves beyond the classroom experience. This event provides a platform to the students for expressing their talents which are far apart from their studies. The students could express their talent in the fields of various cultural activities like music, dancing, drama, anchoring, etc. and the function concluded with endless fun, garba and DJ. The event was coordinated by Prof. Toral Patel, Prof. Harshal Vashi & Team.



Publication, Participation and Achievement

Applied Science and Humanity Department Paper Publication/Presentation/Jury Member

- Prof. Nisha S. Parekh published a research paper on "Rejecting Hegemony: A Study of Namita Gokhale's Paro: Dream of Passion, in Langlit: An International Peer-reviewed Open Access Journal. Vol-5, Iss-3,
- Prof. Megha K. Tailor and Dr. Shailesh S. Patel have published a research paper on "Instability Phenomenon Arising in Homogeneous Porous Media by Crank-Nicolson Finite Difference Method." in Journal of Emerging Technologies and Innovative Research.
- Prof. Harshal G. Vashi has published a paper on "A Study on Perception of Degree Engineering Students of Navsari District Regarding their Employability" in Proceedings of Multi-Disciplinary International Conference GTUICON-2019 organized by GTU
- Prof. Harshal G. Vashi has published a paper titled "Developing an Innovative Approach for Enhancing Employability Skills of Civil Engineers" in Proceedings of 1st National Conference on "Emerging Research and Innovations in Civil Engineering organized by Dr. S & S. S. Ghandhy College of Engineering & Technology, Surat
- Prof. Harshal G. Vashi has been invited as a Judge in Technokruti-2019A Techfest organized by S.N.P.I.T., Umrakh, Bardoli.

Civil Engineering

Paper Publications/Workshop Attended/Expert

- Dr. Neeraj D. Sharma has published paper on "Spatio Temporal Analysis of Urbanization in Surat Region" at International Conference ICON-2019 organized by GTU.
- Professor Mihir Naik has participated in two day workshop on "Hands on Practice of Construction Management using Primavera P6 Software & Latest Immersive Technology" at Pacific School of Engineering, Kadodara during 1st and 2nd February 2019.
- Dr. Neeraj D. Sharma has delivered key note lecture as well as contributed as a session chair for civil engineering national conference "Emerging Research and Innovation in Civil Engineering" organized at GEC, Surat (Sponsored by DTE, DST, GUJCOST)
- Dr. Bhavin G. Patel has given expert lecture on "Innovation in Self Compacting Concrete" at R.N.G.P.I.T, Bardoli during 27th March, 2019.
- Dr. Bhavin G. Patel has invited as an expert for final year students "PROJECT FAIR 2019" at R.N.G.P.I.T., Bardoli during 27th March, 2019

Computer Engineering

Seminar/Workshop/STTP/FDP attended/Jury Member

- Prof. Hetal M. Patel and Prof. Bhumika H. Patel had attended a Two-Day State Level GUJCOST sponsored seminar on "Artificial Intelligence and Python Programming" organized by Dr. Jivraj Mehta Institute of Technology, Mogar, on 21st & 22nd February 2019
- Prof. Kaushal T. Kevadia and Prof. Mihir A. Mishra had attended a three-

day on "Artificial Intelligence and Deep learning" organized by SCET, Surat, from 4th-6th January, 2019

- Prof. Kaushik S. Patel has been invited as a Judge in Student's Project Fair on 28th March 2019 at J. H. Desai Polytechnic College, Palsana.

Electrical Engineering

Faculty Achievement/Jury Member/Paper Publication/STTP Attended/Attended Webinar

- Prof. Ankur P. Desai has secured admission in Gujarat Technological University for pursuing Ph. D in Electrical Engineering.
- Dr. R J Motiyani was invited by GTU Innovation & Startup Center, Surat as a Jury member for "SSIP IP Screening" on 28th February 2019 for analyzing the best SSIP IP Patent Support Application from Gujarat.
- Dr. R J Motiyani was invited by Government Engineering College, Valsad as a member of Jury for the scrutiny of best project on the occasion of "Project Fair- 2019" held on 16th March 2019.
- Prof. H G Vashi & Dr. R J Motiyani has presented a paper titled "Lean 4.0: A Strategic Combination of Lean Management and Industry 4.0" at the International Conference "Industry 4.0" held at R.N.G.P.I.T., Bardoli, on 8th -9th March 2019.
- Prof. Ankur Desai and Dr. R J Motiyani has published a paper titled "Speed Control of Three Phase Induction Motor using Two Level Inverter with SVPWM Technique" in the International Journal for Scientific Research & Development, Volume 6, Issue 11, Jan 2019.
- Prof. Ankur P Desai, Prof. Jay R. Desai and Prof. Dharmishtha Patel have attended a state level short term training programme on "Designing embedded systems enhanced with IOT Using Micropython" during 8-12 January 2019 at GIDC Degree Engineering College, Abrama.
- Prof. Ankur P Desai attended matlab webinar on "Teaching and Learning with MATLAB and Simulink" with registration Id. 354181 on February 21,

Mechanical Engineering

Short Term Course Attended/Paper Publication

- Prof. H.S. Patil attended one-week QIP Short Term Course (STC) and Continuing Education Program (CEP) on "Metallurgical Failures" scheduled during 18th - 23rd February 2019 at Department of Metallurgical Engineering, IIT(BHU)-Varanasi (UP).
- Prof. H. S. Patil, Prof. D. C. Patel published a research paper on "Characterizations of TIG welded joints of unalloyed commercially pure Titanium Gr-2 for weld process parameters", in Scopus indexed Journal Frattura e Integrità Strutturale (Fracture and Structural Integrity) Vol.12 No.48, 377-384 (April-2019).
- Prof. H. S. Patil, Prof. D. C. Patel published a research paper on " Experimental Analysis of Oil Film Pressure and Temperature on EN31 Alloy Steel Journal Bearing ", in American Journal of Materials Engineering and Technology, Vol. 7, No. 1, 7-11 (January-2019).