

# Resonance@GDEC

For limited Circulations Only

## Winners at "SMART GUJARAT FOR NEW INDIA HACKATHON"



Government of Gujarat launched a state level Hackathon involving all departments of Gujarat government and universities in the state. 2 teams (5 students per team under the guidance of Prof. Brijesh Patel and Prof. Tejas Patel) of Computer Engineering Department had participated in State level Smart Gujarat for New India Hackathon.

These 2 teams had submitted solutions for problems given by ministry of Women and Child Development department of Government of Gujarat. Participated students had visited several Anganwadi of Navsari district and did survey for generated demands of Supplementary Nutrition by 6 month to 3 years of children, 3- 6 years Children, Pregnant and lactating mothers and adolescent girls. Based on this survey students had developed an application that solve the problem of "Anganwadi Performance Management System".

In addition, second team had developed mobile application on location tracking system for women and girls who is in distressed. Students had developed mobile application and dashboard that call centralized control and command centre (Abhayam Women Helpline-Gujarat) when women is in distressed. Moreover, this application can track the current location of women when they are in distressed condition.

Both the teams won regional level Hackathon which was held at Auro University, Surat for continuously 36 hours during 10th-11th March, 2018. Additionally these two teams had participated in the Grand Finale during 24th-25th March, 2018 at Pandit Deendayal Petroleum University, Gandhinagar and declared as 2nd and 3rd winner in Women and Child Development department with the prize worth of 50,000/-

Teams along with their mentors are:

Team1: Caller's location tracking system (Women In Distressed) (Mentor: Prof. Brijesh Patel) (1) Sumit Patil (2) Namrata Patel (3) Richa Mistry (4) Mohit Desai (5) Sagar Gandhi

Team2: Anganwadi Performance Management System (Mentor: Prof. Tejas Patel) (1) Akshay Makwaana (2) Bhavin Parmar (3) Jagruti Patel (4) Akanksha Desai (5) Rohit Nikam



## 1st Runner Up Ultratech Sparkling Star-2018



Final year students of Civil Engineering Department has participated and declared as 1st runner up with an amount of 12,000/- in an event called "Ultratech Sparkling Star-2018" held at SVNIT, Surat on 3rd February, 2018 under the guidance of Prof. Pritesh Rathod.

Sr. No.	Name of the participants
1	Jariwala Richa
2	Kotecha Priya
3	Kamariya Keyur

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## 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. Dhaval Patel**,  
Head, Electrical Engg. Dept.

**Dr. S. S. Patel**,  
Head, Applied Sci. & Huma. Dept.

## Editorial Team

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

## Principal Message

It is with immense pleasure to welcome you to the GDEC News Letter April 2018. GIDC Degree Engineering College is regularly publishing quarterly newsletter. The purpose of the newsletter is to send a positive motion to the staff, students. It provides a platform to showcase activities of the college, the achievements of students, faculties and staff members of the college.

Empowering students for their all-round development through education is our motto. Apart from its technical education, college is also organizing extra-curricular activities which are given an opportunity to the students to blossom in all the directions and helping them grow their talent. This year we had celebrated the 6th annual festival 2018 which includes Maitry Olympiads and Cultural Event - Gunj which allowed students to showcase their non-technical talent to our esteemed stakeholders. In addition, in our college we arranged a Science Fair to encourage new growing scientist of the country to express their ideas and to make a bridge between science and engineering.

The college has motivated the professors as well as the students to explore the laboratory experimental test rig, to use them for the testing, consultancy and research purpose for the Industries. By this, the College will generate not only revenue, but it will enrich the experience of faculty and educate students for the real life applicability. Our Computer department students won state level Hackathon by developing application and website for Government of Gujarat ministries. The system of education should work as a catalyst in making each student a balanced human being having one's core strengths embedded in the learning experiences emanating from our rich socio-cultural roots. We are partners in learning with our students and seek to deepen their knowledge, provide enriching and innovative learning experiences, while also gently urging our students to come out of their comfort zone and attempt new challenges. The training is provided to the students such that they become globally acceptable personalities with communication skills, proper aptitude, problem solving capabilities and to work as team players.

*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 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

## Consultancy Work

GIDC Degree Engineering College is in agreement with various reputed company like Tata Consultancy Services Ltd.(TCS), NSEIT, Aptech Ltd. Under this agreement Computer Engineering Department has successfully hosted online examinations at GDEC premise.

Computer Engineering Department continues to play significant role to generate revenue for the GIDC Degree Engineering College. As a Test Center Administrator Ms. Archana Nayak (Head, Computer Engg. Dept.) leads a dedicated team which is well equipped to deliver quality services.

The details of online exam/s held during January to March, 2018 are as mentioned below: -



Sr. No.	Name of Examination / Exam Conducting Authority	Host Company	Date/s	Candidate Count	Revenue Earned (INR)
1	BOB Prom	TCS	07 - Jan - 2018	25	5675
2	GSECL (Junior Engg.)	NSEIT	18 - Feb - 2018	540	30600
3	DGT Apprentice	Aptech	20,21,22 - Feb - 2018	560	27900
					64175

## Science Fair

Science Fair was organized on 19th January 2018 at our college campus. One of the main aim behind is to provide platform to encourage new growing scientist of country to express their ideas and to make a bridge between science and engineering. Main objective is to encourage students to explore their scientific creativity in terms of models or poster and to convey latest technologies in engineering field. Students of schools & colleges were invited to visit our college to have ideas about different Branches and applications of the same. Science Fair was basically a program for 11-12 science stream students and Diploma Engineering students. Students from different Polytechnic colleges visited event and makes it more successful. Students presents their innovative ideas through working models in the area of automation, agriculture, planning etc., they elaborated functioning and working mechanisms of projects enthusiastically. Schools and diploma colleges of Navsari district shows their enthusiasm and we got around 50 entries from different schools and colleges. Attractive prizes were given to best two models from school and one from diploma and degree engineering college.



## Sports and Cultural Event

GIDC Degree Engineering College celebrated 6th GDEC Annual Festival from 11th to 20th January 2018. The Sports-Maitry Olympiads 2017 was organised from 11th to 19th January 2018 and the Cultural festival was concluded by cultural event GUNJ-2018 on 20th January 2018. Maitri Olympiads 2018 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, Kabaddi, Table Tennis, GDEC Strongest Man, etc. Prof. Dhaval Patel coordinated the event with his dedicated team of faculties and students.

The CULTURAL EVENT GUNJ 2018 was set with the objective of developing the arts and intellectual talents of the students, improving their capabilities to work as a team and raising their level of self-confidence in interacting with fellow students and peers. The event was coordinated by Prof. Toral Patel with the support of staffs and students.

The Chief Guest of the function was Smt. D. Thara, IAS V.C. & M.D., G.I.D.C., Gandhinagar, Shri. Chandrakant Pandya, Vice-President, VIA, Vapi & Dr. Anil Saraogi, President, South Gujarat Productivity Council, Surat and also members of GIDC Education Society Shri C.K. Akhani, Shri N. P. Vadaliya, Dr. A. K. Dave, CA. Vinodchandra G. Desai, Dr. Dinkarra G. Naik joined the function.

Shri. Sanjay Bhagat from Thakor bhai Bhagat Charitable Trust, Navsari graced the occasion with his presence and shared his thoughts. Legal Aid Cell Navsari also presented their views about anti ragging and de-addiction from drugs and expressed their support to our students by their help centre. They even encouraged the students to take a no addiction pledge.

The function started with the prayer and lighting lamp ceremony by all the invited dignitaries. The Principal Dr. K. N. Mistry briefed about institute; the dignitaries delivered their motivational thoughts to our students and programme convener Dr. H. S. Patil concluded with vote of thanks.

On the same day college annual magazine "Profusion-18" was released by the dignitaries. The dignitaries encouraged the students and faculty members with their motivational speech. 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. Talented students of college enthralled the audience with their performances and the atmosphere was charged up by their youthful presence. And the function concluded with endless fun, garba and DJ...



## International Women's Day Celebration

8th March is internationally celebrated as the "International Women's Day". It is an important occasion for all of us to pause for a moment to reflect on ourselves, to appreciate how much has been done and what more needs to be done in the field of gender equality. Women Empowerment Cell of GIDC Degree Engineering College hosted interesting events like drama, dance, singing, games, rangoli making etc. to celebrate this day. The purpose of organizing this programme is to create awareness amongst the students and also with the target of reaching the parents and people in the community at large through the students. The day's program started off by prayer and a speech by the female student to advise the women to scale new heights in all the aspects of life. The events saw many female students volunteering to participate in various activities.

Our beloved principal, Dr. K. N. Mistry, was captivated by student's inspirational speech all the way and he said that all women must develop confidence and self-discipline in order to get success in their professional and personal life. He said that before fighting for the rights every person has to know about the responsibilities toward the society.



## Student Achievement

Following are the winners from Mechanical Department in different events held in different institutes.

Name of students	Event Name	Organised by
Naik Malhar	Monoacting in the annual cultural festival	Adani Institute of Infrastructure
Sunny Singh, Tandel Keval, Tandel Sudan & Tandel Jaimin	Grave The Junk in National Level Tech Fest	Government Engineering College, Valsad
Shubham Patel & team	Gully cricket in National level Tech fest	S. S. Agrawal College, Navsari
Adil Shaikh	State level Maths quiz competition	S.S.A.S.I.T, Surat
Deep Chauhan	Mini Militia in National level techfest	L.I.T, Vapi
Adil Shaikh, Deep Desai, Amit Chaudhry & Komal Thoke	Talent Hunt in National level techfest	L.I.T, Vapi

## Vocational Training Centre – Under Pradhan Mantri Kaushal Vikash Yojana (PMKVY)

GDEC Vocational Training Centre approved under Pradhan Mantri Kaushal Vikash Yojana (PMKVY). Under the aegis of GIDC Education Society, GDEC has initiated GDEC Vocational Training Centre to establish industry-relevant skill in local youth via professional training to help them secure better livelihood/employment. Pradhan Mantri Kaushal Vikash Yojana (PMKVY) aims to train the unemployed youth in Engineering skills through AICTE approved Engineering Colleges. The Technical institutes have to utilize their existing infrastructure for offering these courses in the off-college hours such that the unemployed youth enrolled for these courses shall acquire adequate skills under the National Skill Qualification Framework (NSQF) and find suitable placement/self-employment. All courses are Free of cost and 25 students have enrolled in each course under PMKVY.

Name of Course	Department
Field Technician - Computing And Peripherals	Computer Engineering
CNC Operator-Vertical Machining Centre	Mechanical Engineering
Automotive Service Technician	Automobile Engineering
Mason General	Civil Engineering

The unemployed youth enrolled for these courses shall acquire adequate skills under the National Skill Qualification Framework (NSQF) and find suitable placement/self-employment. All courses are Free of cost and 25 students have enrolled in each course under PMKVY.

## FDP on Pedagogical Effectiveness

GIDC Degree Engineering College had organized one day Faculty Development Programme on "Pedagogical Effectiveness" on 3rd February, 2018 for 80 professors. Dr. Anil Saraogi was invited to give expert session on different aspects of teaching process. He suggested that every teacher should have scientific outlines of learning process. Furthermore, he advised that a teacher should create atmosphere such that students can ask questions willingly. The Principal, Dr. K. N. Mistry, had enlighten the role of teacher in the society.

## STTP on “Designing Of Mathematical Models In Different Field Of Engineering”

Applied Sciences and Humanities department had organized One Week Short Term Training Programme (STTP) on “Designing of Mathematical Models in Different field of Engineering” during 19th March, 2018 to 23rd March, 2018, which was sponsored by Gujarat Council on Science and Technology, Gandhinagar. The main objectives of this STTP were to understand the designing of mathematical models in different fields of engineering and to provide a platform to participants to share their problems with experts. Around 30 participants



from several backgrounds participated in this STTP and got benefited from the expert lectures. The STTP was successfully organized under the chairmanship of Dr. Shailesh S. Patel (Professor and Head Applied Sciences and Humanities department) and it was coordinated by Dr. Rajiv Kumar Singh and co-coordinated by Prof. Harshit K. Naik and committee members Prof. Harshal Vashi, Dr. Kaushal Thakkar, Prof. Nisha Parekh, Prof. Mansi Desai, Prof. Ishita Panchal, Prof. Megha Tailor, Mr. Aakash Patel and Mr. Bhavin Patel

## Workshop On “Advanced Surveying Using Total Station”



Civil engineering department had organized a two day workshop on “Advanced surveying using total station” on 19th-20th February 2018. The main purpose of this workshop is to provide information about how to use modern instruments in the actual field and study point of view in the education field. Dr. Mahendrasinh Gadhavi (Assistant Professor at L. D. Degree Engineering College, Ahmedabad) had been invited as an expert. He has a tremendous involvement and knowledge in the field of surveying, GIS, programming identified with GIS software and some more. He had delivered presentation on the history and background of advancement surveying. Besides that, he shared his knowledge regarding how to use different types of instruments and information related to total station. He gave hand use demonstration of total station. Additionally, he conducted a session for how to use global mapper software for preparation of contour. Students of civil engineering department & faculties from different institutions had participated in this workshop to get prolific knowledge.

## Workshop on “Internet Of Things: A Hand-On Approach”

To provide an overview of concepts, trends and challenges in latest technology department of computer engineering had organized a two-day workshop on “Internet of Things: A hand-on Approach” during 17th-18th February, 2018. The workshop was coordinated by Prof. Hetal M. Patel, Prof. Bhumika Patel, Prof. Pankti Naik and Prof. Vibhuti Patel. Main aim of the workshop was to enhance the practical skills of students by giving them hands-on sessions which help them to make quality projects in their academic career and technical events. Prof. Jignesh Patoliya (Assistant Professor in the department of EC engineering at the Charotar University of Science and Technology Changa) was invited to conduct workshop. He had conducted more than 75 workshops in the area of Microcontrollers, ARM, Arduino, VLSI design, PCB design, Embedded C, Arduino C, Python programming, Visual Programming, Raspberry Pi & Internet of Things. On Day 1, he started with introduction to ESP8266 and NodeMCU and hands-on on NodeMCU, which is widely used in IoT application design. Difference between microcontroller and SOC was discussed by him. In addition, the expert covered details on IoT devices and sensors used for projects. On the next day, he discussed some future projects based on IoT like smart fridge, smart mirror and more. Expert came with hardware and software (NodeMCU, interfacing board) resources required to carry out Hands-on IoT programs. About 56 students of pre-final year and final year of department attended this workshop.



## Training Programme On “Value adding course on Solidworks”



Mechanical Engineering Department organized Training Programme On “value adding course on Solidworks” from 28th December 2017-11th January 2018 for mechanical /automobile engineering students and industry participant. The objective of this course was providing a current state of the art in modeling and simulation and how Solidworks software supports the design of mechanical systems for engineers. The course contents covered in the training are-Solidworks Sketch Modelling; Advanced Part Modelling; Advanced Assembly Modelling; Surface Modelling; Solidworks Sheet Metal; Solidworks Mould Design; Solidworks Weldment; Solidworks Drawings; Solidworks FEA Simulations; Solidworks Flow Simulations; Solidworks Motion Simulations. About 21 participants were attended the course. The course is coordinated by a team mechanical faculties Dr. H. S. Patil; Dr. Dilip C. Patel; Prof. M.R. Patel; Hitesh Patel

## EXPERT LECTURE on “Engine Emission”

Automobile Engineering Department had organized an expert lecture on “Engine Emission” presented by Dr. Kamalkishor Vora (Sr. Deputy Director & Head, ARAI Academy) on 6th January, 2018. All the students and faculty members of Automobile Engineering Dept. as well faculty members from other institutes had attended this lecture. It was a useful and informative lecture regarding Engine Emission and its control by using different after-treatment devices & he shared the information about SAE BAJA event (Intercollegiate design competition run by SAE in which Teams of students from different institutes all over India design and build small off-road cars) and encouraged the students to participate in it. Furthermore, Dr. K C Vora had inaugurated the SAEINDIA GDEC COLLEGIATE CLUB.



## Open Source Technologies Club (OSTC)

GTU has introduced OSTC initiative for all the GTU affiliated colleges in collaboration with Spoken Tutorial Project-IIT Bombay. The objective of Spoken Tutorials is to learn Free and Open Source Software (FOSS). It helps the students to learn complicated topics through simple tutorials and also proves cost effective. An Open Source Software which is very useful for research work for students as it is freely available, no licenses is needed. Spoken Tutorial Project managed by IIT Bombay, which is helpful to learn the functioning of all Open Source Software from anywhere and anytime by using their portal. GIDC Degree Engineering College, Abrama has established OSTC through a tie up with OSTC Workshop Team Spoken Tutorial Team – IIT Bombay & GTU. Computer Engg. Dept. has conducted OSTC workshop on “Python”, which was co-ordinated by Prof. Mihir Mishra, Prof. Kushal Patel and Mr. Nilesh Patel. In addition, Mechanical Engg. Dept. had conducted 3 workshops on “Qcad”, “Scilab” and “OpenFOAM” which were co-ordinated by Prof. Hariketani Patel, Prof. Tarun Patel, Mr. Jatin Patel, Mr. Hitesh Patel and Mr. Brijesh Patel.

**Patron:** Dr K. N. Mistry and **Organizer:** Prof. A. M. Nayak



## INDUSTRIAL VISIT

### Hem Industries Daman (Electrical Engg. Dept.)

Prof. Bhavesh S. Patel organized Technical Visit for 4th semester students. About 34 students along with Prof. Dhaval Patel and Prof. Rohit Damor visited “Hem Industries Daman” on 13th March, 2018.



students for the subject Alternate Fuels & Power System, this visit was arranged in order to get the knowledge of how to utilize renewable energy resources and how the same can be used in automotive applications. The visit was co-ordinated by Prof. Sunil Khokhar & Prof. Mayur Jalanapurkar.

### VISIT @ Ice factory (Mechanical Engg. Dept.)

On 8th March, 2018, 51 students of 6th semester of Mechanical Engineering Department visited Bhenkhabhai Ice factory (Bilimora), Shiv aqua Ice plant (Bilimora) and Laxmi cine magic-central air conditioning system (Navsari). The visit was coordinated by Prof. Daksh R. Tandel and Prof. Dharmik A. Patel. The visit became very useful tool for enhancing the knowledge of students for their subject Refrigeration and Air Conditioning.



### VISIT @Pune (Civil Engg. Dept.)

Civil Engineering Department had organized a technical visit to Pune for the 8th semester students in order to enhance their knowledge regarding some of the practical aspects of the Civil Engineering from 8th-10th March, 2018. Visit was coordinated by Prof. Mehul Gamit, Prof. Rajan Lad, Prof. Manali Shah and Lab Assistant Anita Patel. The visit covered Khadakwaslamasonry Dam site, Pune Metro Rail project site and Hindustan Construction Company's site at Lavasa, Pune.



### VISIT @ SPRERI (Automobile Engg. Dept.)

SPRERI (SARDAR PATEL RENEWABLE ENERGY RESEARCH INSTITUTE), a leading organization for research and development of renewable energy technologies, focuses on sustainable biomass conversion and solar energy based solutions, which are technically efficient, economically viable, environment friendly and which meet the needs of society. The objective of this visit was to get aware and understand the technology for utilizing renewable energy resource. So as a part of curriculum for the 3rd year



### Electric Locoshed (Electrical Engg. Dept.)

Electrical Engg. Dept. had organized a two-days technical visit at “Electric Locoshed”, Abrama, Valsad for 47 student of 3rd year in 2 batches dated 27th March, 2018 and 6th April, 2018 along with faculties Prof. Ketan Lad, Prof. Dhaval Patel, Prof. Rohit Damor, Prof. Dhruvang Gayakwad and Mr. Kamlesh Sonwane.

## Training & Placement

### PLACEMENT

About 16 students were placed in various companies during Campus Placement organized by Training & Placement cell of Computer Engineering Department

Company Name	Date	Selected Students	Name of Selected Students
Glodenmace IT Solutions, Navsari	23/08/2017	4	Mohit Desai, Bhavin Parmar, Rohit Nikam, Panthil Patel
Srijani Webtech, Navsari	29/12/2017	2	Shukla Kevin, Patel Mitali B.
	09/01/2018	6	Nisha Bhalodiya, Maitri Patel Parth Panchal, Arpita Patel Dintal Patel, Yashwant Mali
SSM InfoTech, Surat	25/01/2018	1	Mitva Shah
BosLeo Tech. Pvt. Ltd, Valsad	29/01/2018	1	Gaurav Saulanki
Peacock Technologies, Surat	28/12/2017	1	Daina Singh
Leocan Technologies, Surat	03/02/2018	1	Kushang Oza

### Internship

About 8 final year and pre-final year students of Computer Engineering joined Internship at various companies as mentioned below:

Student Name	Sem	Company Name
Ruju Desai	8	Atul Limited
Mitali Patel	8	Srijani Webtech
Kevin Shukla	8	
Panthil Patel	8	Goldenmace IT Solutions
Rohit Nikam	8	
Mohit Desai	6	
Akshay Makwana	6	
Bhavin Parmar	6	

### Industrial Training

Final year students of Mechanical Engineering Department got training in different industries during January and February 2018 and they had seen practical working environment. Students were visiting industries 3 days per week. Following are the industries that students visited.

AceyEngg Pvt Ltd, Bilimora	Nova Tech Engineers, Navsari	DNM Engitech Pvt Ltd, Navsari
Prakash Industries, Navsari	J D Engineers, Navsari	Rachna Follour Polimores, Navsari
Techno Grip, Navsari	Em Tech Fabricators, Navsari	Sahjanand Valve, Sachin
NHB, Amalsad	ThiesPrecesion PVT LTD	D & Sons
Gracy Engineering	Dhanush Technology	Satyam Engineering Works, Navsari



### Soft Skill Training Program for a WEEK

Training and Placement cell of GIDC Degree Engineering College has organized one week training program to increase employment opportunities for the students. This training program was conducted by First Placement, Ahmedabad during 12th-16th

February, 2018. This training program helped students in gaining new insights into career options, gathered knowledge about qualifications, skills and expectations of employers. These 5 days program include Personality Development, Quantitative Abilities, Logical Reasoning, Verbal abilities, Soft-skills, Profile building. In addition, this program was backed with mock exercises of Group Discussion, Aptitude Paper solving of multi-national companies, mock presentations and interviews.

### Mock Campus Recruitment Programme

Prof. Sunil Jaganiya, Prof. Rajan Lad, Prof. Fenil Gandhi had organized "Mock Campus Recruitment Programme" on 6th - 7th February, 2018. ICE GATE, Surat had been invited to conduct this event for the pre-final and final year students of our college. The main objective was to make students aware about the India's leading GATE/PSU/ESE institutions as well as carrier development institutional guidance programme designed to prepare students to have a greater understanding of educational & carrier opportunities and options to assist them in making meaningful as well as informed carrier choices which is designed in such a way so as to prepare and aware the students regarding opportunities and options available for their international carrier choices. The whole programme was co-coordinated by Training & Placement Cell of College.

### Carrier Orientation Programme

Training & Placement Committee members (T&P) Prof. Sunil Jaganiya, Prof. Rajan Lad, Prof. Fenil Gandhi had organized one day workshop on "Carrier Orientation Programme" on 3rd February, 2018. IIHT, Navsari was invited for this workshop to make students aware of and learn about various softwares which can be utilized for purposes such as drafting, designing, modelling, analysing, estimating and costing. In addition, this workshop helped students to get information regarding higher studies, PSU jobs opportunities, UPSC/GPSC & other competitive examinations.

## Publication, Participation & Achievement

### Applied Science and Humanity Department

#### WORKSHOP ATTENDED

- Prof. Nisha S. Parekh attended One Day Workshop on “Design Based Learning in Contributor Personality Development Programme” organized by Gujarat Technological University, Ahmedabad, on 10th March, 2018.

#### STTP ATTENDED

- Prof. Mansi K. Desai, Prof. Megha K. Tailor and Prof. Harshit K. Naik attended STTP on “Designing of Mathematical Models in Different field of Engineering”, organized by Applied Sciences and Humanities department (ASH), GIDC Degree Engineering College (GDEC), Abrama, Navsari, during 19th - 23rd March, 2018.

#### EXPERT LECTURES DELIVERED

- Dr. Shailesh S. Patel delivered an expert talk on “Mathematical Modelling Designing and Solution Approach through Various Problems in Real Life” in STTP on “Designing of Mathematical Models in Different field of Engineering”, organized by ASH department, GDEC, Abrama, Navsari, during 19th- 23rd March, 2018.
- Dr. Rajiv Kumar Singh delivered an expert talk on “Various Applications of MATLAB Programming” in STTP on “Designing of Mathematical Models in Different field of Engineering”, organized by ASH department, GDEC, Abrama, Navsari, during 19th - 23rd March, 2018
- Dr. Kaushal K. Thakkar delivered an expert talk on “Hands on Mathematica” in STTP on “Designing of Mathematical Models in Different field of Engineering”, organized by ASH Department, GDEC, Abrama, Navsari, during 19th - 23rd March, 2018.

### Automobile Engineering

#### STTP ATTENDED

- Prof. Toral V. Patel, Prof. Ashish Jain, Prof. Ankit K. Patel and Prof. Mayur J. Jalanapurkar attended STTP on “Designing of Mathematical Models in Different field of Engineering”, organized by ASH department, GDEC, Abrama, Navsari, during 19th - 23rd March, 2018.

### Computer Engineering

#### WEBINAR ATTENDED

- Prof. Kushal Patel attended webinar on “Leveraging Educator-Researcher- Developer Partnerships to Improve Student Learning” on 11th March, 2018 organized by edweb.
- Prof. Kaushal Kevadiya, Prof. Bhumika Patel, Prof. Vibhuti Patel & Prof. Kushal Patel attended webinar on “Application Security” on 20th March, 2018 organized by TCS iON | Digital Learning Empowering Learning Outcomes.

#### PAPER PUBLISHED

- Prof. Bhumika H. Patel, Prof. Tejas B. Patel published a paper on “Algorithms based on clustering technique in Data Mining” in International Journal for Research and Development in Technology, Vol.9, Issue 3, ISSN (Online):- 2349-3585, in March, 2018.

### Electrical Engineering

#### WORKSHOP ATTENDED

- Prof. Bhavesh S. Patel attended a two-day workshop on “High voltage Engineering “ at UTU, Maliba 29th-30th December, 2017 STTP ATTENDED
- Prof. Bhavesh S. Patel attended short term training program (STTP) on “Recent Trends on Power System” during 12th-16th February-2018 at C. G. Patel Institute of Technology, Bardoli.
- Prof. Bhavesh S. Patel, Prof. Dhruvang R. Gayakwad, Prof. Rohit B. Damor, Prof. Jay R. Desai & Prof. Ankur P. Desai attended STTP on “Designing of Mathematical Models in Different field of Engineering”, organized by ASH Department, GDEC, Abrama, Navsari, during 19th - 23rd March, 2018.

#### SEMINAR ATTENDED

- Prof. Dhruvang R. Gayakwad and Prof. Jay R. Desai attended one day seminar on “Power System Basics for Academics & Practicing Engineers” conducted by society of power engineers (I), Vadodara chapter jointly with The institute of Engineers, southern Gujarat chapter, Surat dated 27th February, 2018.

#### EXPERT LECTURE ORGANIZED

- Mr. Bhavesh S. Patel organized an expert lecture on “Power Quality

and Management” presented by Dr. Naimish Zaveri (Professor & Head Electrical Department, C. K. Pithawala Engg. College) on 21st February, 2018. All the final and pre final year students, faculty members of Electrical Engineering Department had attended this expert lecture which was useful and informative regarding power quality and its issues.

#### WEBINAR ATTENDED

- Prof. Dhaval K. Patel attended webinar on “Teaching Rigid Body Dynamics” on 20th February, 2018.
- Prof. Ketan K. Lad attended webinar on “Optimizing and Accelerating your MATLAB Code” on 22nd February, 2018.
- Prof. Ketan K. Lad has attended webinar on “Embedded Code Generation for AC Motor Controllers” on 28th February, 2018.

#### ONLINE COURSE ATTENDED

- Prof. Dhruvang Gayakwad and Prof. Bhavin Trivedi successfully completed NPTEL online certification course on “Design of Photovoltaic Systems” with 60% and 52% score respectively during July to October, 2017 (12 week).

#### PAPER PUBLISHED

- Prof. Bhavesh S. Patel published paper on “Reactive power compensation in transmission system with the help of FACTS device Thyristor Switch Capacitor (TSC)” in International Conference of Engineering Technology, Science and Management Innovation (ICETSMI-2017) ISBN/ISSN:978-93-87433-076, December-2017
- Prof. Rohit B. Damor, Prof. Ketan K. Lad, Prof. Dhaval K. Patel published a paper on “Real Time Vehicle Tracking and Protection System using Microcontroller” in International Journal of Electrical, Electronics and Computational System (IJEECS). Volume-7, Issue-3, March, 2018. ISSN 2348-117x, Paper ID:7G7E2D

#### PAPER PRESENTATION

- Prof. Rohit B. Damor, Prof. Ketan K. Lad, Prof. Dhaval K. Patel presented paper on “Real Time Vehicle Tracking and Protection System using Microcontroller” in “International Conference on Innovative Trends in Engineering, Applied Science & Management” (ICITEASM-2018), Osmania University Campus, Hyderabad, Telangana State, India on 25th March 2018.

### Mechanical Engineering

#### BOOK PUBLISHED

- Prof. Dr. H. S. Patil published a book on “Welds Characterization of Al Alloys 6xxx-7xxx for FSW and TIG Welding”, in LAMBERT Academic Publishing; ISBN-13:978-613-4-97393-9, (January-2016)
- Prof. Dr. D. C. Patel published following books:
  - (a) “Introduction to Practical PLC Programming”, Lambert Academic Publishing, Germany, ISBN 978 6138238423
  - (b) “Performance analysis and enhancement of Two-for-one Twister machine”, Lambert Academic Publishing, Germany, ISBN 978 613 800522

#### TECHNICAL PROGRAM COMMITTEE MEMBER

- Prof. Dr. H. S. Patil nominated as a Technical Program Committee Member in 2nd International Conference on Mechanical Design, Manufacture and Automation Engineering (MDMAE2018) June 24-25, 2018 in Xi'an, China, <http://www.mdmae2018.org/TechnicalProgramCommitteeMember>
- Prof. Dr. H. S. Patil nominated as an Editorial Board Member International Journal of Research and Scientific Innovation (IJRSI) ISSN No. 2321-2705 <http://www.rsisinternational.org/journals/ijrsi/board-members/>

#### STTP ATTENDED

Prof. Dharmik Patel, Prof. Tarun Patel, Prof. Krunal Hathiwala and Prof. Akash Patel attended STTP on “Designing of Mathematical Models in Different field of Engineering”, organized by ASH Department, GDEC, Abrama, Navsari, during 19th - 23rd March, 2018.

### Civil Engineering

#### STTP ATTENDED

- Prof. Vikunj Tilva, Prof. Nilesh Parmar, Prof. Sunil Jaganiya and Prof. Nimit Raval attended STTP on “Designing of Mathematical Models in Different field of Engineering”, organized by ASH Department, GDEC, Abrama, Navsari, during 19th - 23rd March, 2018.

