

# Resonance@GDEC

*For limited Circulations Only*

## Achievement

### VISHVAKARMA MERIT AWARD

Final year student of Civil Engineering Department, Kamariya Keyur R. secured 1st rank in G.T.U. final exam 2017-18 with 9.6 C.G.P.A. He was awarded with "VISHVAKARMA MERIT AWARD" by Govt. of Gujarat.



### Grant Received under SSIP through GTU GIC-Surat

The passed out students of Automobile Engineering departments Pipaliya Jayesh N., Kalariya Utsav P. and their team members have developed the "Oxy Hydrogen Fuel System" as a project in fulfilment of their Degree of Automobile Engineering under the guidance & mentorship of Prof. Ashish Jain. This system helps in increasing the Mileage of the two wheelers. Their idea has been approved by the GTU Innovation Council (G.I.C.) as a good alternative to help common people. This project has been selected at the state level after exhaustive verifications at different levels. Jayesh & Utsav were granted Rs 88,250 for their project under SSIP (Student Start-up Innovation Policy) through GTU GIC-surat. But now their grant has been increased to Rs 1,25,000.



### 3<sup>rd</sup> rank at District Level Essay Competition



Essay competition, elocution contest and quiz on the life and time of Sardar Patel was held during the Ekta Rath touring the state. Tandel Vakshaben, student of 1st Year, Computer Engineering Department, secured 3rd rank at District Level essay competition under Ekta Yatra Competition on topic "National Integration and Communal Harmony".

## Traning & Placement

1. Akshay Makwana, student of 7th Semester Computer Engineering Department, got selected at a Tata Consultancy Services Limited (TCS) through TCS off-campus recruitment process.
2. Maitri Desai and Rinkal Patel student of 7th Semester Computer Engineering Department, got selected at STHAPATI INFOTECH PVT. LTD., Navsari as a Web Developer Trainee.
3. Raj Pawar and Urvesh Mishra student of 7th Semester Computer Engineering Department, got selected at AtoZ INFOWAY LLP as a .NET Developer, Intern.

## Celebration of 150<sup>th</sup> Gandhiji Janma Jayanti

On the occasion of Gandhi Jayanti GIDC DEGREE ENGINEERING COLLEGE has celebrated 150th birth anniversary of Mahatma Gandhi the Father of Nation on 2nd October with utmost reverence. Rally was organised to pay tribute to Gandhiji by the all the staff members of the College along with the students. In addition, Swachhata Abhiyan was carried out by the college throughout campus. Tree plantation was also done in the college. Furthermore, Documentry movie regarding the life Shri Mohandas Karamchand Gandhi was shown to student. At the end of the event "Vaishnav Jan" bhajan was sung by all to pay the tribute to the Legend.



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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 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

## Principal Message

It gives me great pleasure to present the current edition of GDEC Newsletter-January-2019.

As education is life long process, Learning happens all the time, it happens in the home, society, between home and academic institutions too. Authentic education implies ongoing and continuous interplay between five moments of context, experience, reflection, action and education between student and teachers.

With proud legacy of six years, GDEC has executed in every facets of technical education. It is of paramount importance to be equipped with appropriate knowledge, aptitude, attitude, curiosity for innovation and hard work.

It's my message for all students that, to be successful in life/career keep ambitions and define your aims and goals clearly. Discipline and hard efforts are keys to success. Think different and innovatively with your study, extend the horizon of your thinking to enrich your level of vision.

Institute has extended its efforts towards the motivation to students for the enrichment of their innovations and as a part of this SSIP cell of institute has sensitized essential of startups, communicated SSIP policies to students. Also students projects have introduced for screening and selections.

Knowledge worthy training programs, seminars, workshops, hands on practices during October 2018 to December 2018 have contributed towards enrichment of knowledge. Successful completion of Technical Expo "Udaan" and science fair "Avishkaram" have remained as matter of attraction. Students of Pradhan Mantri Kaushal Vikas Yojana (PMKVY) have been trained and certified successfully. Institute has further extended its contribution of sharing knowledge with surrounding technical institutes by delivering expert lectures as well as conducting practical sessions at institute for students.

I intently believe that students of GDEC would develop versatile personality during their study and come out as distinct technocrat for society.

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

## Consultancy Work

GIDC Degree Engineering College is in agreement with various well renowned companies like Tata Consultancy Services (TCS) Ltd., NSEIT Ltd., Aptech Ltd., ACE Integrated Sol. Ltd. Under these agreements Computer Engineering Department has successfully hosted multiple online examinations in collaboration with these exam conducting agencies. The details of online exam/s held during Jul-2018 to Dec-2018 are as mentioned below



Sr. No.	Exam Conducting Agency	Name of Examination	Date/s	Allotted Candidate Strength	Revenue Earned (INR)
1	NSEIT Ltd.	GSECL	01 - Jul - 2018	240	19000
2	NSEIT Ltd.	GSECL - UGVCL	20,21,22 - Oct - 2018	1800	91273
<b>Total</b>					<b>110273</b>

Computer Engineering Department continues to play significant role to facilitate the GIDC Degree Engineering College for its enrichment.

As a Test Centre Administrator Ms. Archana Nayak (Head, Computer Engg. Dept.) leads a dedicated team of Teaching & Non-Teaching staff which is well equipped to deliver quality services in order to host such exams smoothly.





## UDAAN Sky has no Limit 2018

National Level Tech-Fest UDAAN Sky has no Limit 2018 a technical event took place on 4th & 5th October, 2018 at GIDC Degree Engineering College (GDEC). The event inauguration ceremony was followed by the lamp lightening and felicitation with plants. The chief guest Dr. Utkarsh Shukla, Sr. manager of R & D Department, Atul- Ltd; the Guest of Honour Mr. Rakesh Patel, Director & founder of Sona Extrusion Pvt Ltd; Our trustee members Dr. A. K. Dave, CA Vinodchandra Desai & Dr. Dinkarrai G. Naik; Principal, Dr. N. D. Sharma; Convener Dr. H. S. Patil; Coordinators Dr. D. C. Patel & Prof. Archana Nayak lightened the lamp for this occasion.



The guest of honour Mr. Rakesh Patel encouraged the students by sharing his own efforts about the building of sona extrusion as commerce graduate and with having only schooling technical background. Chief Guest Dr. Utkarsh Shukla, gave a very inspirational and interesting speech on technology and current scenario of industry requirement of engineers in industry. He also encouraged the students with motivational story.

During this festival, students from various engineering colleges actively participated. The tech fest had several technical and non-technical events along with many fun filled games and stalls. In these 2 days the technical events included - Innovative Prototype Development, Sherlock, Mech-Mania, Electro-Extreme, Autokriti, Technical Paper Presentation, Robot Race, Robo War, D-Transport etc.



while non-technical events were treasure hunt, ad mad, PUBG mobile, NFS etc. All the events were a huge success with active participation of students from various colleges. There were also few games which was a huge attraction for everyone. In this event more than 2500 participants from institute as well as outside the institute participated enthusiastically.

In this technical festival student has exhibited their research based model of the Smart India, initiative by the Government of India. Smart Dustbin, Smart Farming Automation, Wireless Power Transmission, Smart Automatic Energy Meter reading system, injection molding machine, Automatic Chikoo Classification Machine, Solar Power based Vehicle, Sewerage Treatment Plant and bubble deck slab etc. innovation model has exhibited by the students of different department of GDEC College.



Valedictory ceremony was graced by Principal, Dr. N. D. Sharma; Convener Dr. H. S. Patil; Coordinators Dr. D. C. Patel & Prof. Archana Nayak and heads of various departments. All the prizes were given during the closing ceremony with certificate of excellence, tech fest shield and cash prizes. The cash prizes of Rs.50,000/- has been given to the students who secured 1st and 2nd position in various events which has been sponsored by SAICAD Navsari, CADD Centre Valsad & IIHT Navsari. In the vote of thanks of valedictory ceremony, Prof. Archana Nayak thanked the organizing committee; teaching and non-teaching staff involved directly -indirectly for making the 2 days national level tech fest-UDAAN successful. Organizing such an event was never an easy task and it would have not been such a success without team work. The hard work of all the organizers and volunteers was responsible for the success of national level tech fest-UDAAN.

### Organizing Team

Patron		Programme Convener		Programme Coordinators	
Prof. Dr. N. D. Sharma		Prof. Dr. H. S. Patil		Dr. D. C. Patel Prof. Archana Nayak	
Department Programme Coordinator					
Prof. Kaushik S. Patel (Computer Dept.)	Prof. Sunil V. Jaganiya (Civil Dept.)	Prof. Ketan K. Lad (Electrical Dept.)	Prof. Mayur Patel (Mechanical Dept.)		
Prof. Mayur Jalanapurkar (Automobile Dept.)		Prof. Kenal Tandel (Automobile Dept.)		Prof. Mansi Desai (ASH Dept.)	



### Energy Conservation Demonstration Van (Urja Mitra) & Renewable Energy (RE) Demonstration Van



Electrical Engineering Department had arranged Energy Conservation Demonstration Van (Urja Mitra) & Renewable Energy (RE) Demonstration Van during "TECHNICAL FESTIVAL" & "SCIENCE FAIR" organized at GDEC Campus during 4-6 October. The aim behind organizing Urja Mitra & RE Demonstration Van was to create awareness about Energy Conservation, Renewable Energy conception & its resources among the high school and engineering students participated in the "SCIENCE FAIR" & "TECHNICAL FESTIVAL". More than 450 students of Engineering Institutes and about 415 students of 14 different schools of Navsari & Valsad district have taken the advantage of this Van. Dr. R. J. Motiyani & Prof. Ankur Desai have coordinated with Gujarat Energy Development Agency, Gandhinagar to arrange the demonstration of Urja Mitra & RE vans at no cost in the benefit of students.



## Science fair “Aavishkaram – 2018”

GIDC Degree Engineering College, Navsari had started organizing science fair last year. After successful completion & warm response from the schools, GDEC encouraged to organize the same for this year also. Aavishkaram – 2018 a Science fair was successfully organized on 6th October 2018 at GIDC Degree Engineering College, Navsari under the leadership of principal Dr. Neeraj Sharma and guidance of convener Dr. Shailesh Patel and co-ordinatorship of Prof. Vikunj Tilva, Prof. Toral Patel & Prof. Harshal Vashi. The science fair was inaugurated by chief guest Shri Piyushbhai Desai MLA, Navsari, guest of honour Shri Rashmikantbhai Patel Vice- chairman of Rotary Eye Institute, Navsari and Shri C.A. Vinodchandra Desai trustee member of GDEC Navsari.

Aavishkaram was categorized in five different fields like 1] Use of Technology in Agriculture 2] Health and waste Management 3] Renewable energy Resources 4] Transportation & 5] Communication and mathematical Modelling. Around 38 projects were displayed by the students and more than 120 schools were approached by the committee members of science fair. Apart from these more than 300 students and teachers from various schools had visited the science fair.

“Renewable Energy Exhibition Van & Energy Conservation Van were the center of attraction which were available in the campus for 3 days.” More than 1000 students took the advantage of exhibition vans. The vans were brought to the campus with the great efforts of Dr. Rakesh Motiyani.



The winners were declared in 5 different categories by the invited eminent judges from various schools. The prize was given to the each category. In each category two ranks were given as first rank holder & the second rank holder. The first prize winners were honored with 2000/- Rs. cash prize and the second prize winners were honored with 1500/- Rs. cash prize. Each of the participants was honored with certificate and T- shirt with college logo as a memory of Avishkaram. All the participants as well as teachers, visitors, guests were so cheerful because of the successful organization of science fair.

## National Mathematics Day

National Mathematics Day was celebrated at GIDC Degree Engineering College, Navsari to commemorate the great contribution made by Srinivasa Ramanujan. An expert lecture has been arrange for the first year students to make them aware about the great contribution made by legendry mathematicians of India such as Brahmagupta, Aryabhatt and Srinivasa Ramanujan. Dr. Shailesh S. Patel, Professor and Head of ASH Department share his expertise on Mathematics and the Life and



Works of all these great Mathematicians. Head of Electrical Department Dr.

Rakesh Motiyani and Head of Civil Department Dr. Bhavin Patel also remained present in the celebration. Various posters on theme of Life, Works and Applications of Mathematics were also presented by first year students. The celebration was successfully organized by Prof. Ashish Jain, Prof. Hariketan Patel, Prof. Mansi Desai, Prof. Megha Tailor, and Prof. Nisha Parekh.



## Rashtriya Ekta Diwas (National Unity Day)

To commemorate the birth anniversary of Sardar Vallabhbhai Patel, Gidc Degree Engineering College, Navsari celebrated the Rashtriya Ekta Diwas (National Unity Day) on 31st October in a befitting manner. The programme started with the impressive speeches made by the students in English as well as Hindi on the life, history and the role of Shri Sardar Vallabhbhai Patel in the freedom struggle to establish a harmonious society. Also one of the students gave speech associated to Statue of unity. After that Dr. N. D. Sharma & other Head of Department paid tribute to the photos of Shri Sardar Vallabhbhai Patel by offering flowers. The documentary films related “Statue of Unity and life of Sardar Vallabhbhai Patel”

was shown to the students. A Collaborative pledge on Peace and Solidarity was administered by the teachers and the students. All the faculty members, staff and students took pledge for the integrity and unity of the country. The observance of Rashtriya Ekta Diwas provides us an opportunity to reaffirm the inherent strength and resilience of our nation to withstand the actual and potential threats to the unity, integrity and security. The Programme ended with the National Anthem. The celebration was successfully organized by Prof. Archana Nayak, Prof. Toral Patel, Prof. Mihir Mishra, Mr. Nilesh Patel, Mr. Manoj Patel, Mr. Dixit Patel





## STTP on “Android Programming a hands-on Approach”



Computer Engineering Department, Organized one week STTP on “Android Programming a hands-on Approach” sponsored by Gujarat Technological University (GTU), during 24th – 28th December. This STTP was hands-on program which is designed for providing essential skills and experiences to the students in developing applications. Inauguration of STTP were commence with Light Lamping. In this Inaugration, Trustee member CA Shri. Vinodchandra Desai accompanied by Principal Dr. N. D. Sharma were present. In addition, HoDs, faculties from all the department were present along with students of the college.

On Day 1, expert Dhaval A. Mehta, Team Leader, HKSOFTRONIX Vapi gave brief introduction about an Android. In addition, he teach participants to make first application in android. On

Day 2, Prof. Pragnesh Patel, Lecturer of Government Polytechnic for Girls, Surat conducted Interactive hands on session on Shared Preferences . In addition, Prof. Kushal Patel conducted hands-on session on various Android Layouts and UI Controls and its application in various android Apps. On Day 3, Prof. Kaushik S. Patel conducted Interactive hands on session on SQLite Database manipulation in Android Application. Participants learn how data can be inserted, deleted in Applications using SQLite Database. In addition, Prof. Brijesh Patel conducted session on utilisation of GPS and Google map in Android application. Participants used their mobile phone to run their developed applications. On Day 4, expert Vivek S. Patel, conducted hands on session on AsyncTask and Read/Write Data to/From Webserver in Android App. Participants learn how data can be inserted, deleted in Apps using Web Services. In addition, Prof.



Tejas Patel gave brief information about Firebase and its application. On Day 5, expert Sandip Kalola from Goldenmace IT Solutions, Navsari conducted hands on session on basics of accessing a android hardware like camera, sensors etc. in Android apps. In addition, he give brief information about publishing android app on Google Play Store.

About 60 (58 students, 2 faculty) participants from various Degree and Diploma colleges participated in this STTP. It was organized under the chairmanship of Prof. Archana M. Nayak, Head of Computer Department, and it was successfully coordinated by Prof. Kaushik S. Patel, Prof. Kaushal T. Kevadia, and co-coordinated by Prof. Brijesh U. Patel, Prof. Mihir A. Mishra, Prof. Kushal D. Patel, Prof. Tejas Patel.



## One Day Workshop on “Energy Conservation Awareness”

One Day Workshop on “Energy Conservation Awareness” was organized by Electrical Engineering Department in association with Gujarat Energy Development Agency (GEDA), Gandhinagar, under the banner of Indian Society for Technical Education (ISTE) on 29.09.2018. More than 100 students & faculty members of Electrical, Mechanical and Automobile Engineering have participated in this awareness workshop.

The workshop was conducted by Shri R. N. Pandya on behalf of GEDA. Principal Dr. N. D. Sharma sir welcomed Shri R. N. Pandya and members of management of GIDC Education Society Dr. A. K. Dave sir & CA Shri Vinodchandra Desai sir during the inaugural session.

Dr. R. J. Motiyani, Head of Electrical Department had delivered a welcome address & encouraged the students for the Energy Conservation. Members of management of GIDC Education Society Dr. A. K. Dave sir & CA Shri Vinodchandra Desai sir have delivered blessing address & motivated the students for the Energy Conservation. The workshop was coordinated by Prof. Ankur Desai, Prof. Rohit Damor and Prof. Bhavin Trivedi under the guidance of Dr. R. J. Motiyani.



## Workshop Conducted at Government Diploma College of Navsari

A One Day Workshop on “Programmable Logic Controller and Its Applications” was conducted by Prof.(Dr). R.J.Motiyani and Prof. Ankur P Desai of Electrical Engineering Department of GIDC Degree Engineering College, Abrama, Navsari on 28.09.2018 at Government Polytechnic, Navsari. Total 36 students of final year diploma had enthusiastically participated in this workshop. In this workshop students had got exposure of Industrial Automation, Ladder Logic, Basic Programming of Timer/Counter/Boolean Logics and Special Memory Bits in STEP 7 -Micro/WIN using s7 200 Siemens PLC Kit.

On behalf of the institute, Prof. Hiren Patel, HOD of Electrical Engineering Department of Government Polytechnic, Navsari had appreciated Dr. R. J. Motiyani and Prof. Ankur P. Desai for conducting the workshop.





## Blood Donation Camp

On 9th October 2018, GIDC Degree Engineering College, Mechanical Engineering Department in association with Lions Club & Red Cross Society, Navsari organized Blood donation camp in college premises. Donation of Blood means a few minutes to you but a lifetime for somebody else. The finest gesture one can make is to save life by donating blood. 52 units of blood have been collected so far. The Principal Dr. N. D. Sharma acknowledged the organizing team of the camp. The camp was organized by Dr. H.S. Patil, Head of Mechanical Engineering Department with a team of Prof. Nitish K. Lad, Prof. Tarun N. Patel, Mr. Divyesh C. Patel, Mr. Ismail I. Saiyad, Mr. Kiran Naika and Mr. Bhavesh Tandel. This camp helps students in getting awareness about their social responsibilities and showed enthusiastic participation for the same.



## Thalassemia Screening and Prevention Programme

The GIDC Degree Engineering College with assistance of Red Cross society Ahmedabad branch organized thalassemia screening and prevention programme in the college premises on 05/12/2018. About 97 first years admitted students from all five branches were participated in thalassemia screening and prevention programme and understand the meaning of testing Thalassemia and its advantages for coming generation. The Principal Dr. N. D. Sharma acknowledged the organizing team of the camp. The camp was organized by Prof. Dr. H.S. Patil, with a team of Prof. Tarun N. Patel, Prof. Nitish K. Lad, Mr. Hitesh Patel, Ms. Amruta Naik, Ms. Anita Patel, Mr. Manoj Patel, Mr. Kamlesh Sonawane, Mr. Divyesh C. Patel, Mr. Ismail I. Saiyad, Mr. Kiran Naika and Mr. Bhavesh Tandel. The GDEC teaching and supporting staff played a key role in successful organization of the camp. This camp helped students in getting awareness about their social responsibilities and showed enthusiastic participation for the same.





## Industrial Visit

### Automotive Research Association of India (ARAI) - Pune

As a part of the curriculum, the students are required to undertake Industrial Training and technical visits to a few industries of repute. In the above background and as a part of curriculum of subjects "VEHICLE TESTING AND HOMOLOGATION" & "VEHICLE MAINTENANCE AND GARAGE PRACTICE", we have visited "AUTOMOTIVE RESEARCH ASSOCIATION OF INDIA (ARAI) - PUNE" (Forging Industry Division (ARAI-FID), Homologation and



Technology Centre (HTC) with about 28 students of Final year Automobile accompanied by 02 faculty members (Prof. Ashish Jain, Prof. Kenal Tandel) on Saturday, 20th October, 2018. The Automotive Research Association of India (ARAI) has been playing a crucial role in assuring safe, less polluting and more efficient vehicles. ARAI provides technical expertise in R&D, testing, certification, homologation and framing of vehicle regulations. ARAI is research association of the Automotive Industry with Ministry of Heavy Industries and Public Enterprises, Government of India. It works in harmony and complete confidence with its members, customers and the Government of India to offer the finest services, which earned for itself ISO 9001, ISO 14001, OHSAS 18001 and NABL accreditations.



### Western Region Load Dispatch Centre (WRLDC)

Final Year Students and Faculty members of Electrical Engineering Department have visited Western Region Load Dispatch Centre (WRLDC) of Powegrid Corporation of India Ltd. Andheri, Mumbai on 8-10-2018. Electrical Engineering Department of GIDC Degree Engineering is the one & only Department of Gujarat who is arranging WRLDC visit for the student during every academic year.



### Dhuvaran Gas Based Power Station

Students of 7th semester, Mechanical department visited gas based thermal power station- Dhuvaran-khambhat on 27-9-18. The gas based combined cycle power project unit is having installed capacity of 375 MW and has been commissioned during May 2014. The unit is of Siemens make. The visit helped student to understand subject "POWER PLANT ENGINEERING" in more detail. With the help of visit, students got in touch with real



working environment and it became useful tool to enhance the knowledge of subject. The visit of 60 students was co-ordinated by Mr. Daksh R. Tandel, Mr. Bharat H Gajera and Mr. Jatin K. Patel.

### Indian Space Research Organisation (ISRO), Ahmedabad



To get practical knowledge and to give an insight about the way things work in the real life scenario, students of 3rd Year of Computer Engineering Department, visited to ISRO SPACE APPLICATION CENTRE, Ahmedabad on 30th October, 2018 assisted by 4 staff members Prof. Vibhuti P. Patel, Prof. Kushal D. Patel, Prof. Tejas Patel and Lab Assistant Amruta S. Naik.

The Indian Space Research Organisation (ISRO) is the space agency of the Government of India headquartered in the city of Bangalore. Its vision is to "harness space technology for national development while pursuing space science research and planetary exploration. The prime objective of ISRO is to develop space technology and its application to various national tasks. The Indian space programme was driven by the vision of Vikram Sarabhai, considered the father of the Indian Space Programme.

At ISRO, students visited various laboratories such as Vibrations Testing of Launching vehicle, Plasiv Laboratory, SAFAR (System for Air Quality and whether Forecasting) Laboratory, Mobile Satellite Communication System (MSS) etc. During visit, student observed testing of GSAT antenna, high definition lenses used for satellite, Earth monitoring system, demo application for rescue fishermen in distress conditions through satellite communication, Multi window Display System through parallel processing.



## Publication, Participation and Achievement

### ASH Department

#### Workshop attended

- Prof. Harshal G. Vashi, and Dr. Neerajkumar D. Sharma, Principal attended Regional Workshop for Activities Planning under Unnat Bharat Abhiyan on December 04, 2018 Jointly organized by UBA-IIT Delhi and AICTE, Delhi & SVNIT, Surat

#### Paper publication/Paper Presentations

- Prof. Harshal G. Vashi and Dr. Neerajkumar D. Sharma, Principal have published a paper titled "Training Need Identification of Future Entrepreneurs" in International Journal of Innovative Knowledge Concept (Volume VI, Special Issue 2) October 2018.
- Prof. Nisha Parekh has published a paper on "Towards Self-Awareness: The Evolution of Women in Gods, Graves and Grandmother" in Langlit- An International Peer-Reviewed Open Access Journal ISSN- 2349-5189.
- Prof. Mansi K. Desai and Dr. Shailesh S. Patel have published a paper on "Solving Burger's Equation Arising in Fingering Phenomenon by Laplace Transform Method" in International Journal of Management Technology and Engineering.
- Prof. Mansi K. Desai and Dr. Shailesh S. Patel have published a research paper on "A study of linear and nonlinear diffusion equations arising in fluid flow through porous Media by homotopy perturbation method" in Journal of Emerging Technologies and Innovative Research.
- Prof. Ishita V. Panchal has published a research paper on "Essentials of Knowledge Management in Banking Sector" in International Journal of Management Technology and Engineering.
- Prof. Nisha S. Parekh presented a paper on "Tradition versus Modernity: A Study of Namita Gokhale's Paro: Dream of Passion and Priya: In Incredible Indya" in an international conference on Indo-Canadian Multidisciplinary Research Trends and Prospects, During 28th-29th December.

### Automobile Engineering

#### Paper Publication

- Prof. Ankit Patel published a paper on "Construction and Design of Safer Braking System for Automatic Transmission Moped" in International Journal of Innovative Knowledge Concepts, GEC, Dahod ISSN:2454-2415, Vol. 6, Special Issue 2, Oct, 2018
- Prof. Ashish Jain, Prof. Mayur Jananapurkar published a paper entitled "Comparative study of friction and wear behaviour with different materials of segmented piston ring, cylinder liner of I.C. Engine using LRT" in International Journal of Innovative Knowledge Concepts, GEC, Dahod ISSN:2454-2415, Vol. 6, Special Issue 2, Oct., 2018

#### STTP attended

- Prof. Ashish Jain attended one week STTP on "Basics of Tribology and its Industrial Engineering Applications (BTIEA-2018)" conducted by SVNIT, Surat during 22nd - 26th October 2018.

#### FDP attended

- Prof. Sunil Khokhar attended FDP on "Introduction to Process Modelling & Analysis using CAD tools" conducted by SSASIT, Surat during 17th - 22nd December 2018.

#### Workshop attended

- Prof. Toral Patel, Prof. Ashish Jain, Prof. Ankit Patel, Prof. Mayur Jananapurkar attended one day workshop on Energy Conservation Awareness conducted by GEDA at GDEC Navsari on 29th Sept, 2018.

#### Workshop Co-Ordinated

- Prof. Ankit Patel co-ordinated one day workshop on Energy Conservation Awareness conducted by GEDA at GDEC Navsari on 29th Sept, 2018.

#### Staff Achievements

- Prof. Ankit K. Patel has delivered an expert lecture on AUTOMOBILE ENGINES at Bhulabhai Vanmalibhai Patel Institute Of Technology Vidhya Bharti Campus, Umrakh, Bardoli, on 28th August 2018
- Prof. Ashish Jain, Prof. Ankit Patel, Prof. Sunil Khokhar and Prof. Kenal Tandel are registered as mentors for Gujarat Industrial Hackathon 2018 organized by Higher & Technical Education Department, Government of Gujarat under SSIP.
- Prof. Ashish Jain is registered as a team mentor for the GIC, Surat - GTU for their final year Project "HHO Kit" with grant passed of Rs 1.25 Lakhs.
- Prof. Kenal Tandel, being one of the coordinator for the sports event, has uplifted our college students to participate & achieved 2nd position at the

event "Volley ball" on 12th & 13th Oct. at Surat zone level GTU Sports "SPIRIT -2018". Now they are ready Inter Zone Competition.

#### Students Achievements

- More than 25 students of Automobile Engineering Department have participated for Gujarat Industrial Hackathon 2018 organized by Higher & Technical Education Department, Government of Gujarat under SSIP.

### Computer Engineering

#### Workshop Attended

- Prof. Archana Nayak, Prof. Kaushik Patel attended workshop on "Recent Applications and Future Scope of Internet of Things" organized by SCET, Surat during 2nd-4th October, 2018

#### FDP Attended

- Prof. Vibhuti Patel, Prof. Tejas Patel attended "Faculty Development Program for Design Engineering (Level 1)" organized by GEC-GIC, Surat during 6th-9th October, 2018

#### STTP Attended

- Prof. Archana Nayak, Prof. Kaushik Patel, Prof. Kaushal Kevadiya, Prof. Hetal Patel, Prof. Brijesh Patel, Prof. Bhumiika Patel, Prof. Pankti Naik, Prof. Mihir Mishra, Prof. Vibhuti Patel, Prof. Kushal Patel, Prof. Tejas Patel attended one week STTP on "Android Programming a hands on Approach" organized by Computer Department, GIDC Degree Engineering College during 24th-28th December, 2018

### Mechanical Engineering

#### Paper Publication

- Prof. Harsh R. Naik published a research paper entitled "Implementation of 5S at Home for Developing a Better Place to Live" in International Journal for Scientific Research & Development| Vol. 6, Issue 08, 2018 | ISSN (online): 2321-0613.
- Prof. Daksh R. Tandel published a research paper entitled "Comparative study of friction and wear behavior with different material of segmented piston ring cylinder liner of I. C. Engine using LRT (Linear Reciprocating Tribometer) in International Journal of Innovative Knowledge Concept, Volume-6, Special Issue 2, 2018, ISSN: 2454-2415.
- Prof. Dhaval S. Chaudhari Published a research paper entitled "Investigation and Optimization of Aluminium Alloy with Copper by FSW using Filler Material - A Review" in International Journal of Research in Engineering, Science and Management, Volume-1, Issue-12, Dec-2018

#### Faculty Achievement

- Dr. H. S. Patil is acting as an Editorial Advisory Board Member of Mechanical Engineering in Cambridge Scholars Publishing Limited, United Kingdom.
- Dr. D. C. Patel delivered an expert lecture in one-week STTP on "Fundamental Concept of Pressure Vessel Design: Analytical Approach" at Chhotubhai Gopalbhai Patel Institute of Technology, Uka Tarsadia University on 4th December 2018.
- Prof. Daksh R. Tandel joined "Indian Society of Heating, Refrigeration and Air conditioning Engineers" as a member.

#### Student Achievements

- Abrar Belim, Aasim Khan, Tandel Ankur, Tandel Divyang, Tandel Manmit, Shaikh MD Anas, Himanshu Dubey, Jay Tandel, Harshil Tandel, Herin Tandel and Tandel Daniel secured Runners-up position in "Volleyball" at Sport festival "SPIRIT 2018" organized by Gujarat Technological University held at B.M.C.E.T. Surat on 12th & 13th October 2018.
- Student's projects with title "Design And Development Of Innovative Fatigue Test Rig For Composite Material", "Design And Development Of Prosthetic Leg", "Development And Testing Of Vertical Axis Magnus Wind Turbine", "Fabrication And Testing Of Bio Composite Construction Helmet", "Design And Development Of 4-Axis Filament Winding Machine" and "Development And Evolution Of Weight Grading Machine For Chikoo" were registered for SSIP.

#### Seminar attained

- Prof. Mayur Patel, Prof. Hariketan Patel, Prof. Bharat Gajera, Prof. Hitesh Rana, Prof. Bruhad Naik, Prof. Dharmik Patel, Prof. Nitish Lad and Prof. Krunal Hathiwalwa attained one day seminar on "Energy Conservation Awareness" organized by GIDC Degree Engineering College Navsari and Gujarat Energy Development Agency (GEDA) under the banner of Indian Society for Technical Education (ISTE) on 29th September 2018.

