

Resonance@GDEC

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73rd Independence Day Celebration



The National festival of 73rd Independence Day was celebrated with joy and pride at GIDC Degree Engineering College, Abrama, Navsari, in the valuable presence of honourable guest Shri Satishchandra R. Naik, Chairman of Gujarat State Co-op. Fruit & Vegetables Marketing Federation Ltd. and Social along with the trustee member Dr. A. K. Dave, Shri C A Vinodchandra Desai, Principal Dr. N. D. Sharma, teaching, non-teaching, supporting staff and students. After the

introductory words about Independence Day by Dr. Nisha S. Parekh, Principal Dr. N. D. Sharma welcomed all the guests. The flag was unfurled by Shri Satishchandra R. Naik. Everyone gave respect to the national flag by saluting it and by rhythmic singing of the National Anthem. All the guests gave the inspirational speech. The celebration was ended with the vote of thanks by Dr. Nisha S. Parekh.

The celebration was successfully organized under the coordination of Dr. Shailesh S. Patel with his dynamic team Prof. Ashish Jain, Prof. Mayur Patel, Dr. Nisha S. Parekh, Mr. Parimal Patel and all the supportive staff.

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Campus Placement

Following Companies has visited Computer Engineering Department for the Campus Placement during July-September.

Name of Company	No. of Students Registered	Name(s) of Selected Students
LANET Team Software, Surat	22	Kavita Patil
Radixweb, Ahmedabad	19	1.Devanshi Tandel, 2.Mayuri Patel, 3.Dipal Patel, 4.Anjali Patel, 5.Bhaumik Patel, 6.Karan Katira
SSM InfoTech, Surat	38	1. Patel Khevna, 2. Patel Bhaumik
e-infochip, Ahmedabad	2	No Selection
Matrix Cosmec, Vadodara	18	No Selection
Casepoint, Surat	48	1. Neel Patel, 2. Anjali Patel, 3. Karan Katira
Xcellence-IT, Surat	27	1. Bhaumik Patel, 2. Yash Ramani

Mechanical department organised campus drive for 8th semester mechanical students in May –June 2019 and following students were placed.

Name of Company	Name(s) of Selected Students
Tucson Hydrocontrols Pvt. Ltd., Umbergaon	1.Gandhi Smit J, 2.Mirza Aejaaz, 3.Patel Naushad D., 4.Patel Harsh S., 5.Madhusudan H.
Sona Extrusion Pvt. Ltd., Kabilpor-Navsari	1. Patel Tejas R., 2.Gandhi Nirav R., 3.Patel Arpitkumar R., 4.Boda Prashant J.

➔ 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



Principal Message

It's my privilege here to share my view with you all. Since last couple of years it seems that engineering and technology has been found to take a new facet which is reflecting in its demand and exposure to industries. However its fact that change in trend of needs and requirements has demanded rapid, advanced and economical technologies which further expects changes from major to minor extent at technical education level, training level to prepare the efficient and robust engineers and technocrats. As a developing country India needs to line up with economy also and constraints associated with economy. As a part of solution for this, researches have also fragmented in startups, minor researches, major researches, patentable researches etc.

Being a technical institute we all stack holders are expected to be harmonized with such change in paradigm, which should cover the needs of applied science to technology with broad practical view rather than to implement at only with theoretical aspects. Further its also necessary to think and adopt alternatives with interdisciplinary knowledge and also its requires to accommodate other interdisciplinary knowledge for making the outcome of study in most viable form. As now, technical knowledge is not only enough for engineers to get success and compete.

GIDC Degree Engineering College also expects the same from students and teachers to get familiar with modern trends of technology and mould themselves accordingly. Need is now to bring change in the way /approach of thinking towards education which may need the concept of whole to part. Its desirable and suggested to refer the internet technology and stuff available on internet to make yourself visualized the technological concepts with theoretical knowledge. Concepts and knowledge needs to be explored like live telecast at the time of conducting sessions which allows the students readily grasping and think about its further scope.

During departments have conducted various events, technical sessions, industrial visits which has definitely boosted up the confidence level of students. On behalf of entire GIDC Education society and GIDC DEGREE ENGINEERING COLLEGE, I would like to extend best wishes to all students for the semester end exams in November – December-2019.

Dr. Neeraj D. Sharma

Dynamic Management

Name of the Member	Designation in the GES	Current Position/Organization
Shri M. Thennarasan, IAS	Chairperson	Hon. Vice Chairman & Managing Director, GIDC, Gandhinagar
Shri B. C. Warli (B.E Civil)	Member Secretary	I/c. Director (Notified Area), I/c. Chief Engineer & Superintending Engineer (Public Health) & I/c. Superintending Engineer (Project) GIDC, Gandhinagar
Shri N. P. Vadalia (B.E Civil)	Member	I/c. Superintending Engineer-Surat, Executive Engineer-Surat
Dr. V. S. Purani (M.E Civil, Ph. D.)	Member	Principal, GEC, Valsad
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

Civil Department consultancy activities

- Prof. Sunil Jaganiya has successfully completed consultancy work of 'Proof checking' of '4-storey multi-level Industrial Shedbuilding' of Icchapore in Bhatpore Industrial Estate, Surat.
- Consultancy work of the well-known pharmaceutical industry of Navsari 'Trefer Pharmasutical Pvt. Ltd' to check the stability of the production unit was completed by Dr. Bhavin Patel, Prof. Sunil Jaganiya and Prof. Pritesh Rathod.
- Dr. Bhavin Patel, Prof. Vikunj Tilva, Prof. Sunil Jaganiya, Prof. Nilesh Parmar, Prof. Pritesh Rathod carried out work in the field of Hydraulic Engineering, "Stability Inspection of Elevated Water Tanks and Underground Sump" at GIDC, Vapi, which is heart of Vapi industrial estate for water supply.
- The Civil Engineering Department has extended its wings in the field of "P.M.C. (Project Management and Consultancy)". Prof. Sunil Jaganiya for institute's profitability accomplished "Structure Design and drawings, estimation, costing, testing of materials and project management" for proposed approximately '10 lakhs Rupees Workshop' in the Automobile Engineering Department of college with other faculties.
- Prof. Rajan Lad, Prof. Nimit Raval, Prof. Nilesh Parmar, Prof. Pritesh Rathod, and Prof. Jaldip Patel have carried out the material testing in the field of 'Transportation Engineering'. They successfully completed the material testing work of 'Flexible Pavement with SWD and CD' for the project work in GIDC Khajod and Kalana Industrial Estate.
- In 'Geotechnical Engineering' area Dr. Bhavin Patel, Prof. Pritesh Rathod and Prof. Jaldip Patel had carried out soil investigation with testing of soil for the proposed new construction of 'Balaji Food and Cold Storage' on Sampura road, Bardoli.

Computer Department consultancy activities

GIDC Degree Engineering College is in agreement with various reputed company like NSEIT Ltd., etc. Under this agreement Department has successfully hosted multiple 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 past quarter from July-2019 to Sep-2019 are as mentioned below:

Sr. No.	Name of Examination	Host Company	Date	Candidate	Revenue Earned
1	RRB	NSEIT Ltd.	21-Jul-2019	302	14490



Unnat Bharat Abhiyan

GIDC degree Engineering College has registered in the Unnat Bharat Abhiyan program initiated by the Ministry of Human Resource Development, Govt. of India. GIDC Degree Engineering aims to identify the development challenges and needs of a village and find appropriate solutions with Professional Resource Support from institute to meet these needs. The names of the adopted villages are –

(a)Abrama, (b)Mandir, (c)Vedchha, (d)Kharsad, (e)Sarav

Households data Survey of Abrama Village

At Abrama Village Prof. Nilesh Parmar, Prof. Harshal Vashi along with 10 volunteer students arranged village visit in order to communicate with local people effectively and on these days survey were taken from around 40 households.



Participating Institutes Meeting at SVMIT, Bharuch

The meeting with the participating institutes (PIs) was called by Regional Coordinating Institutes SVNIT, Surat at Shri S'ad Vidya Mandal Institute of Technology, Bharuch. Two faculties, Prof. Nilesh Parmar (UBA Nodal Officer) and Prof. Dhaval K. Patel, had attended this meeting on 15th September 2019

Tree Plantation program at College Campus

In order to increase greenery and for a healthy environment Unnat Bharat Abhiyan Team of GIDC Degree Engineering College, Abrama, Navsari has organized a Tree Plantation program at Abrama village on 16th August, 2019 under the auspices of UNNAT BHARATABHIYAAN 2.0.



Induction Program - Village Visit under Unnat Bharat Abhiyan 2.0

As a part of Induction Program, Unnat Bharat Abhiyan 2.0 committee took an initiative to organize one day village visit on 24 th July 2019 for the 1 st year students. Main Objective of this visit was to make the students aware about the life of village residents and their problem. During this visit students did questionnaires to village people regarding their daily routine, their village problem, etc.

Prof. Dhaval K. Patel, Prof. Pritesh Rathod, Prof. Ankit K. Patel, Prof. Bhumika Patel and Prof. Hitesh Rana with coordinating Prof. Nilesh Parmar (UBA Nodal Officer) provided an opportunity to the students to gain real world experience to engineering students and beexposed to the rural areas (Sarav and Vedchha) and simultaneously apply their technical knowledge in the development of infrastructure in villages.



SSIP Sensitization Event

With the view to promote and support the initiatives by young entrepreneurs, innovators and start-ups through the education, Government of Gujarat is implementing student start-up and innovation policy (SSIP) for enhancing Innovation.

To disseminate the information regarding SSIP and sensitize the students and faculty members about the SSIP and its' institution-level facilitation, 2 seminars have been scheduled and organized for different department of Institute. As a part of this a lecture has been organized to sensitize the staff and students of GIDC Degree Engineering College.

The programme was introduced by Prof. Nilesh R. Parmar, Civil Engineering Department about introduction of SSIP. He shared the vision envisaged by the government for the entrepreneurship and start-ups, and elaborately discussed success-stories of the start-up ventures in Gujarat and at the national level. The scheme objectives, institute level interventions, and the roadmap to avail benefits were shared at length with the students.

SSIP Coordinator of each department along with the students participated in the session. Prof. Tejas Patel, Computer Engineering Department, delivered talk on need for creating end to end support for innovation via education institute. At the end of the session the speaker involved the audience by following a presentation with a question-and-answer session.

Session Details

Sr. No.	Date	Department	No. of. Student Participants
1	20/07/2019	Civil and Electrical	50
2	26/08/2019	Computer, Automobile, Mechanical	100



Boot Camp

“Bootcamp for Innovation” for Higher Secondary class students of J. N. Patel School, Mandir Village

The bootcamp was arranged on 29th July, 2019 to expose the students with creative thinking and modern technologies. Students will get encouragement to solve problem around them and may even build prototype/model based on the knowledge acquired through this bootcamp. The bootcamp was conducted by Prof. Toral Patel (Automobile Engineering Department), Prof. Nilesh Parmar (Civil Engineering Department), Prof. Tejas Patel (Computer Engineering Department) of SSIP Cell, GIDC Engineering Collage, Abrama, Navsari. Total 58 students of class 11th and 12th participated in “Bootcamp for Innovation” along with 8 Teachers.



Bootcamp started with a session by Prof. Nilesh Parmar on topic of “Design Thinking”. Students were given explanation on the basics of Creativity & Innovation. It was further explored on “How to empathize with situation to identify common problem faced by people around you?”. Brief exercise related to empathy was also performed by Prof. Nilesh Parmar with students along with their teachers. The aim of the session was to identify the problem around one's self before creating innovative product or design, as innovation come from solving problem faced by you and around you.

Prof. Toral Patel conducted next session on “Innovation”. She guided student on “how to convert their idea into product or prototype/model”. Students were also inspired by success stories of student startup shared by Prof. Toral Patel. Additionally students were also given brief information on “how to register for SSIP?” which can help them provide financial or mentoring support.

Prof. Tejas B. Patel briefed about “Internet of Things and how it can be used to create solutions”. He also explained various IoT boards such as NodeMCU, Arduino and Raspberry Pi. Demonstration of these board were given to students to make them understand “how these boards works?” and “how they can be used to create models/prototypes?”. During this session student learned “how to convert idea into physical product/model to prove their concept works” which later on can be refined and scaled for the consumer market.

Idea Generation program on “Design Thinking”

SSIP Cell of GIDC Engineering Collage had arranged one day student idea generation program on “Design Thinking” for Higher Secondary class students of Shri. J. M. Patel and Shri. R. G. K. Naik Sarvajani High School, Mandir Village on 3rd August 2019. The awareness program was arranged to expose the students with creative thinking about process and procedure that one can uses in order to figure out solutions to any number of difficult challenges. These can be challenges that students are facing (thus leading to new products and services that solution can provide), or problems that student is experiencing (thus resulting in improvements in structure or processes). This program was conducted by Prof. Nilesh Parmar, Prof. Dhaval Patel, Prof. Kushal Patel of SSIP Cell, GIDC Engineering Collage, Abrama, Navsari. Around 50 students of class 11th and 12th participated in “Design Thinking” along with 8 Teachers.



SSIP Sensitization seminar for UG & PG students of S. N. Patel Institute of Technology & Research Centre(SNPITRC) and Shree Naranjibhai Lalbhai Patel College of Pharmacy, Umrah, Bardoli



Student Start-Up and Innovation Policy (SSIP) is originally initiated by Govt. of India. SSIP cell is trying to develop a grassroots level culture to harness creative potential of youth across academia in the state. The objective of SSIP is to ignite the students to become entrepreneurs. Students should be encouraged to become job providers rather than job seekers. Through SSIP policy, students will be provided funding to realize their start-up.

To disseminate the information regarding the SSIP, seminar have been scheduled and organized at S. N. Patel Institute of Technology & Research Centre(SNPITRC) and Shri. Naranjibhai Lalbhai Patel College of Pharmacy, Umrah, Bardoli on 5th September, 2019. As a part of this, a lecture has been organized to sensitize the staff and students of Institute by the SSIP Cell of the GIDC Degree Engineering College(GDEC), Abrama, Navsari.

Prof. Tejas Patel, Computer Engineering department, GDEC, Navsari, shared the vision envisaged by the government for the entrepreneurship and start-ups, and

elaborately discussed success-stories of the start-up ventures in Gujarat and at the national level. Prof. Nilesh Parmar, Civil Engineering Department, explained the scheme objectives, institute level interventions, and the roadmap to avail benefits were shared at length with the students.

At the end of Seminar Principal Dr. Neeraj D. Sharma, encouraged attendee to take maximum benefits of SSIP policies for their startups and their innovative research work through SSIP Scheme.



Faculty of Pharmacy departments along with the UG students of Engineering, PG students of both Engineering and pharmacy had participated in the session. About 50 students including faculty were sensitised. At the end of the session the speaker involved the audience by following a presentation with a question-and-answer session. This Sensitization was assisted by Prof. Kushal Patel, Computer Engineering Department, GDEC, Navsari. The programme was concluded by valedictory speech of DR. Ashok H. Akabari, Associate professor in Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrah, Bardoli and Prof. Nikunj M. Ashiyani, Assistant professor in civil engineering Department, SNPITRC, Bardoli..

SSIP Project Screening

Automobile Engineering

SSIP cell of GIDC Degree Engineering College had organized "SSIP Project Screening" on 31st August, 2019. Total 3 groups had participated in department level SSIP project screening. The different project ideas were evaluated based on Innovation, Problem Opportunity, Proposed Solution, Business Model, and Project Viability. Out of them one group had been selected for institute level SSIP project screening.

Electrical Engineering

Screening process of projects for SSIP was held on 2nd August, 2019 for electrical engineering department. In this particular about 44 students and 10 project groups were participated for the Screening. Out of this 10 groups, 2 groups were selected for further round of SSIP Institute level Screening.

Computer Engineering

Screening process of projects for SSIP was held on 26th August, 2019. Total 6 project groups had participated in department level SSIP project screening at Computer Department Seminar hall. Out of them 2 groups had been selected for institute level SSIP project screening.

Mechanical Engineering

Screening of projects of mechanical students was arranged on date 29th August, 2019. Total 28 students participated in this screening and presented their ideas. Screening was conducted by Dr. H. S. Patil, Dr. D. C. Patel, Prof. Daksh R. Tandel from Mechanical department and Prof. Ankit K. Patel from Automobile Department.

Civil Engineering

Screening of projects of civil engineering students was arranged on date 4th September, 2019. Total 12 project groups participated in screening and presented their ideas. Out of them 3 groups had been selected for institute level SSIP Project Screening.

STTP/FDP Organized

Electrical Engineering Department has organized GUJCOST sponsored one week training programme on "Applications of PLC and SCADA in Industrial Automation" during 15th to 19th July, 2019. Students and teachers of GTU affiliated Engineering Institutes have participated in this training programme.

Mr. Vinay Chavda (Ex. Maintenance Head, Tata Steel, Navsari) was invited as guest of Inaugural Session. Dr. N. D. Sharma (Principal) has delivered welcome speech to the participants and guests. Dr. A. K. Dave (Member-GIDC Education Society) has encouraged to participants for updating their knowledge of PLC & SCADA through this training programme. Dr. R. J. Motiyani (Head-Electrical Engineering Department) has briefed about the training programme. Also, on behalf of the Institute and participants he thanked Gujarat Council on Science & Technology (GUJCOST) for providing financial support for organizing the training programme.



The objective of this training was to upgrade the technical skills of students & to nurture fundamental & advanced concepts in the era of PLC and SCADA. This training programme gave exposure of PLC Architecture, Introduction of ladder diagram, structure of PLC program, elements of ladder diagram, execution of PLC programs using Siemens SIMATIC S7-200 PLC hardware. Participants have also learnt about Interfacing of PLC with different type of sensors and specific industrial automation applications like stamping process, shear press, conveyor based inspection & sorting and bottle filling.

All the participants have visited fully automated PLC and SCADA based Sewage Treatment Plant of 40 MLD and Tertiary Treatment Plant (TTP) of 100 MLD capacities situated at Bamroli, near Surat. Prof. Ankur Desai, Prof. Rohit Damor, Prof. Bhavin Trivedi and Mr. Kamlesh Sonwane have coordinated the training programme under the guidance of Dr. ND Sharma (Principal) and Dr. RJ Motiyani (Convenor).

Prof. (Dr.) N. D. Sharma (Principal), head of all departments, faculties and participants were remain present during valedictory session. Prof. (Dr.) N. D. Sharma has discussed about how the knowledge of PLC and SCADA can provide a bridge between academics and industry. He also congratulated coordinators for successfully organizing the training programme.

Prof. (Dr.) R. J. Motiyani has concluded the five days training programme with Vote of Thanks.



Seminar

- Mechanical Engineering Department, arranged a seminar on- Esprit CAD- CAM Software for final year students on dated 19th July, 2019.
- On 7th September, 2019, an interactive session was planned by mechanical department for final year students on Employ-ability Skill to bridge the gap between the academia and industry

Expert Lecture on Air Pollution Monitoring As Per The Guidelines of GPCB

Civil Engineering Department had arranged an expert lecture on 'Air Pollution Monitoring as per the Guidelines of GPCB' in Environment Engineering Field for 3rd year students on 29th August 2019. The expert lecture was delivered by Mr. Himanshu S. Desai who is working as Lecturer in Chemical Engineering department and Quality manager in Environment Audit Laboratory at N. G. Patel Polytechnic College, Bardoli, Navsari. The session was organized by Dr. Bhavin G. Patel, Head of the Civil Engineering department and Prof. Hemina Patel.



Expert Lecture on "Computer Aided Modeling and Designing of Structures"



On 11th September 2019, an expert lecture for 7th semester students was organized by Prof. Nilesh Parmar and Prof. Vikunj Tilva on "Computer Aided Modelling and Designing of Structures". As an expert, Prof. Dr. Jigar Sevalia (Professor, SCET, SURAT) was invited. His explanation regarding basic fundamentals of structural engineering was very remarkable. He explained behaviour of different liquid retaining structures and also hands on practice were performed at computer room on STAAD PRO software.

One day workshop on Revit Architecture software

Civil Engineering Department had successfully organized one day workshop on Revit Architecture software with the association of SOPAN institute, Surat on 12th July 2019. Total 30 numbers of students had participated and performed hands-on practise on Revit Architecture. This workshop was coordinated by Dr. Bhavin G. Patel and Prof. Vikunj Tilva.

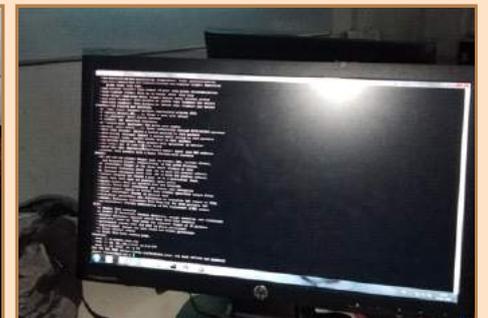


One day workshop on "Soft Skills"

Civil Engineering Department had successfully organized one day workshop on "Soft Skills" on 20th July, 2019. Such kind of workshop can build extraordinary skill for students. Promotion of professional education will be helpful to future engineers for achieving their extreme end. This workshop was coordinated by Dr. Bhavin G. Patel, Prof. Pritesh R. Rathod, Prof. Jaldip Patel and Prof. Nimit Raval.

2 day workshop on "Ethical Hacking and Cyber Security"

Two day workshop was organized by SSIP cell and T&P cell, Computer Engineering department on 20th and 21st September, 2019. Cyber Security is one of the burning issue today and to make students aware of it was the objective of this workshop. There were 25 student participants attended this workshop. Mr. Abhash Singh, Mr. Vivek Kumar Singh, Mr. Smit Patel from FUIA Technologies, Vapi was invited expert for the Workshop. This workshop was focus on Cyber threats, Ethical hacking, how to be secured in the internet and Startup opportunity in Cyber Security.



Following topic are covered in the workshop:

Trace ip, Nmap, Wireshark, Parrot Os, Cross site scripting, Phishing attack, Bruteforce attack, Html injection, Android phone hacking, Wifi hacking

The workshop was ended with full of Information and vision of being safe and secure in the virtual world.

GATE Awareness Programme

Graduate Aptitude Test in Engineering (GATE) is competitive exam to pursue higher education in IITs, NITs and other reputed Universities/Institutes. GATE is also career making exam to get job in PSUs like ONGC, IOC, BHEL and many more. With the Support of I.C.E. (GATE Institute), Training and placement cell of Computer Engineering Department organized seminar titled "GATE Awareness Programme" on 29th August, 2019. In this seminar, students were informed to diverse benefits for applying GATE examination. In this seminar, Mr. Jatin Patel from I.C.E. informed about various choices available for the students after earning good marks in the GATE examination for their bright future. In addition, several scholarship provided by Government for the studying in M. Tech. and Ph. D. were informed. About 80 students of Computer Engineering Department have participated in the seminar.



CYBER SECURITY AWARENESS CAMPAIGN

A one day seminar was organized by SSIP cell and T&P cell, Computer Engineering department on 28th August. Cyber Security is one of the burning issue today and to make students aware of it. There were 76 student participants attended this seminar. Mr Abhash Singh, Mr Vivek Kumar Singh, Mr Smit Patel from FUIAI Technologies, Vapi was invited expert speakers for the seminar. This seminar was focus on Cyber threats, Ethical hacking, how to be secured in the internet and startup in Cyber Security. The seminar was ended with full of Information and vision of being safe and secure in the virtual world.



Workshop on "Manufacturing Processes and CNC Machining"

Mechanical Department conducted 2-day workshop for final year mechanical students on "Manufacturing Processes and CNC Machining" on dated 30th - 31st August, 2019. In present era, Industries are in great need of professionals with thorough knowledge of manufacturing process and CNC programming in India and Abroad. Manufacturing trend has made a quantum leap towards CNC from conventional methods. workshop aimed to make one familiar with the various manufacturing operations/processes; manual/computer assisted programming, CAM simulation on FANUC/Siemens/ HASS controller machine. The programme was coordinated by Prof. (Dr.) H. S. Patil and Prof. Dr. D. C. Patel and supported by institute SSIP Cell.



PMKVY- CNC Programmer Course

With the aim to develop machine tool programmer for Navsari regions students on computer numerically controlled (CNC) machines using appropriate software, as per National Steering Committee approved procedures through AICTE, Mechanical Engineering Department of GIDC Degree Engineering College, conducted PMKVY CNC PROGRAMMER COURSE. Diploma passed out 25 student were enrolled and the course was conducted from January 2019 to June 2019 by the team of Prof. (Dr.) H. S. Patil (Coordinator), Prof.(Dr.) D. C. Patel (Coordinator), Prof. H. B. Patel (Co-mentor), Mr. Brijesh Patel (Lab. Asst.) Mr. Divyesh Patel (W/s Instructor), Mr. Bhavin Patel (Lab Attendant). The final examination of the course has been conducted by PMKVY Assessor from Gorakhpur, Uttar Pradesh, on dated 17th September, 2019 between 9.00 am to 6.30 pm.



Visit at 'Automobile Workshop Construction Site'



Prof. Pritesh Rathod and Prof. Sunil Jaganiya organized 'FIELD VISIT' of 'AUTOMOBILE WORK SHOP CONSTRUCTION SITE' in college campus for 7th semester students in 'Professional Practice and Valuations' subject.

Visit at 'Construction site of School'

Prof. Sunil Jaganiya, Prof. Vikunj Tilva and Prof. Nilesh Parmar have organized a technical visit on dated 3rd September for the 7th semester students. The visit was of "Construction site of School 2nd Slab-beams" at near Tata Boys School, Navsari.



Industrial Training/Internship

Final year Mechanical Engineering students have been taken one month summer internship training in May-June 2019 at reputed industrial organisations i.e. more than 30 industries like Zydus pharmaceutical Healthcare Limited; NHB Ball & Roller Co. Ltd.; Tucson Hydro-Controls Pvt. Ltd.; SONA Extrusion Pvt. Ltd.; ACEY Engineering Pvt Ltd; Atul Ltd; Paresh Engineering Corporation; Spectrum; Jinal Engineering/Suresh Mechanical Work; Hydrotronic Industries; Bipico Industries Private Limited; Kabra Extrusion Technic LTD; Universal Plastic; Techno Gear; Chemiteck Equipment; Ankur Steel Fabricators; GMM Pfudler; Dhanlaxmi enterprises; Metafore Casting PVT. LTD; Prakash Industry and E.M Tech Fabrication etc.

Visit at 'Navsari Agriculture University'

Civil Engineering Department organised field visit on "Different Method of Irrigation" in Irrigation Engineering Field for 4th ear students at Navsari Agriculture University on 31st August. This technical visit had extended and enhanced the practical knowledge in irrigation field which is the part of their curriculum. Prof. Jaldip Patel, Prof. Nimit Raval, Prof. Dr Bhavin Patel, HOD, Civil Engineering Department had accompanied during the visit.



Publication, Participation & Achievement

ASH Department

Book Publication

Dr. Shailesh S. Patel has Published following books of Mathematics in Atul Prakashan:

- Applied Mathematics for Electrical Engineering
- Probability and Statistics for Computer Engineering
- Complex Variables and Partial Differential Equations for Automobile and Mechanical Engineering

Awarded Ph.D. in English

- A Ph.D. thesis entitle “New Woman in the Novels of Namita Gokhale: A Critical Study” by Dr. Nisha S. Parekh was accepted and awarded a degree of Doctor of Philosophy in English by Gujarat University, Ahmedabad.

Pre-Synopsis Open Seminar

- Prof. Mansi Desai and Prof. Megha Tailor have successfully defended pre-synopsis open seminar for Ph.D in mathematics under the valuable guidance of Dr. Shailesh S. Patel.

Faculty Development Programme Attended

- Prof. Harshal G. Vashi had attended a Faculty Development Programme on “Reserch Methodology & Technical Writing” organized by S.V.N.I.T., Surat during 16th September to 20th September, 2019.

Expert Talk

- Prof. Harshal G. Vashi had delivered an expert session on “Start Up and Entrepreneurship” at Pacific School of Engineering, Palsana on 26th August, 2019.

Jury at Science Fair

- Dr. Shailesh S. Patel and Prof. Harsha G. Vashi had served as jury member in Sciences fair organized by Kalpana Chawla Sankul- 2 at I. C. Desai High school, Talavchora on 28th August, 2019.

Automobile Engineering Department

FDP/Workshop

- Prof. Toral Patel, Prof. Ankit Patel, Prof. Sunil Khokhar, Prof. Mayur Jalanapurkar and Prof. Kenal Tandel had successfully attended a one day workshop on “Energy Conservation Awareness” on 23th September organised by Electrical Engineering Department and sponsored by Gujarat Energy Development Agency (GEDA).
- Prof. Ankit Patel, Prof. Kenal Tandel and Mr. Dixit Patel along with students attended a Lecture on “Gandhiji na Rastra Vicharo” and an educational visit at GandhiGhar, Kachholi. Mr. Anilbhai Naik (Vice-President of GandhiGhar) had delivered a motivational and encouraging speech.
- “Gate Awareness Programme” for the 3rd and 4th year students was conducted by Prof. Kenal Tandel during their Library sessions.

Electrical Engineering Department

Expert Session Conducted

- Dr. R J Motiyani has conducted a sensitizing session on “Student Startups & Innovation Policy and Entrepreneurship” on 26th August for the 4th year students at Pacific School of Engineering, Palsana, Surat.

Invited as an Expert

- Dr. R J Motiyani was invited as an eminent expert at Government Engineering College, Valsad on 13th September for the scrutiny

of proposed projects seeking for financial support under Student Startups & Innovation Policy (SSIP).

- Dr. R J Motiyani was invited as an eminent expert at RINGPIT, Bardoli on the occasion of Technical Festival Vishvesmruti-2019 held on 16th September.

CIVIL Engineering Department

- Dr. Neeraj D. Sharma (Principal) has Received Fellow Membership (FIE) of Institution of Engineers (IE).
- Dr. Neeraj D. Sharma (Principal) has received certification of Chartered Engineer from Institution of Engineers (IE).
- Dr. Neeraj D. Sharma (Principal) has reviewed as reviewer committee for the Vision- Mission statement of UG programme of Civil Engineering Department Course, at Dr. S & S Gandhi Government Engineering College Surat.
- Dr. Neeraj D. Sharma (Principal) has Contributed a chapter “Amidst the Governance Challenges in Environmental Management and sustainable Urbanization in Surat” in the book of “Smart Environment for Smart Cities”, Springer Publication ,2019.

Invited as an Expert Lecture

- Dr. Bhavin G. Patel was invited as an eminent Expert and Judge for the Paper Presentation of the State Level Inter-collegiate Techfest VISVESMRUTI-2019 at R.N.G. Patel Institute of Technology, Bardoli during 16th September, 2019.
- Prof. Pritesh R. Rathod had delivered expert lecture on “Concrete Mix Design as per Revised Code IS 10262-2019” at Government polytechnic valsad on 20th August.

Paper Publication

- Prof. Krutika A. Chauhan has published paper on “Experimental Study on Paver Blocks Using Waste Tyres” International research journal of engineering and technology (IRJET), Volume - 6, Issue - 6, Impact factor 7.211, e-ISSN: 2395-0056, p-ISSN: 2395-0072 on June 2019.

FDP Attended

- Prof. Nilesh Parmar and Prof. Vikunj Tilva have Attended and participated FDP on “Research Methodology and Technical Writing” at SVNIT Surat from 16th September to 20th September 2019.

Computer Engineering Department

- Prof. Kushal Patel had successfully attended a one day workshop on Topic “Energy Conservation Awareness” on 23th September organised by Electrical Engineering Department and sponsored by Gujarat Energy Development Agency (GEDA).

Student Achievement

- GDEC Chess team, Sunny Singh, Mehul Tandel, Marvin Tandel, Vaksha Tandel qualified as Runner's up in GTU zonal tournament - SPIRIT.
- Makwana Akshay, Katira Karan, Purbiya Kundan and Naik Yashvi, got Certificate of Excellence for TOP RANKER 2019 in SHREE DEVANG MEHTA IT AWARDS 2019 from Devang Mehta Foundation Trust. In addition, GIDC DEGREE ENGINEERING COLLEGE get Participation Certificate in SHREE DEVANG MEHTA IT AWARDS 2019 from Devang Mehta Foundation Trust.
- Rohan Nirmal, Final Year student of Computer Engineering Department Cleared Tata Consultancy Services (TCS) National Qualifier Test (TNQT) - 2020 and Qualified for Personal Interview and after appeared for Technical and Personal Interview, received TCS offer letter.

This News Letter is published on behalf of GIDC Degree Engineering College by Dr. Neeraj. D. Sharma, Principal

