

Profusion' 17



GIDC Degree Engineering College

(Managed by GIDC Education Society, Gandhinagar)



“To Grow as Premier Education
& Research Institute in the
Field of Engineering with
Global View Point of
Digital & Make in India”



Vice-Chancellor's Message



GTU is today recognized as a University, which is setting new benchmarks of excellence in different aspects of technical education. Let me today talk about a project, in which all the students and the Faculty Members of the GIDC Degree Engineering College, Abrama, Navsari should participate enthusiastically:

I call upon the students, Faculty Members and other stake-holders of this College to adopt the project on 'Active Learning and Creating Excitement in classes, Laboratories and Workshops' (ALCE) in a way, which transforms your College. The idea of ALCE has won a World Education Award 2013 in Higher Education on 23 April 2013. Let the Award spur us to work so that every hour in every class-room, laboratory and workshop brings the excitement of learning to you. We want both the Faculty Members and the students to work jointly for developing the courseware under the ALCE project and to put it on our web-sites. The courseware should include animations, pictures and video-clips to make it interesting. When you learn mathematics, every equation and formula should come alive through their applications in engineering. The plans for every session in the lab and workshop should bring the joy of discovery of new ideas into the learning process. Let us all work to prepare the courseware of the highest quality.

Let the engineering students of the world visit the web-site of GTU and of your College to learn engineering subjects. As all of us contribute to creating a first-rate learning environment in the College, it will build the reputation of your College and that of GTU. High reputation of a University opens up, for all its graduates, exciting opportunities.

As I said in the first paragraph, GTU is working on a number of projects and policies to change engineering education the way, it is delivered in the class-rooms. However the results of each of the projects and policies are required to be worked out by the students and the Faculty Members, with the full support of the management in every College. Please continue to visit the GTU web-site to learn and participate in these projects. I hope you will all work to make this College one of the best engineering colleges of India.

I wish the programs of Maitri Olympiads'17 (sports), Udaan' 17 (Technical) and Gunj'17 (Cultural) a grand success.

Prof. (Dr.) Navin Sheth
Vice Chancellor, GTU

Chairperson's Message



Gujarat Industrial Development Corporation (GIDC) has taken a profound initiative, namely GIDC Education Society (GES), by indulging itself into the educational field. GES is proud to be part of unique Public Private Partnership (PPP) model, which is indeed a powerful model to boost the growth of any venture of particular area.

Under PPP model GIDC Degree Engineering College (GDEC), Abrama, Navsari was initiated in the year of 2012 with 5 different undergraduate Engineering Courses Automobile, Civil, Computer, Electrical, & Mechanical Engineering.

GES has invested without any compromise for the college infrastructure, latest equipment in all department laboratories, library, IT infrastructure etc. in order to provide students and faculty an unparalleled learning experience. Through GIDC Degree Engineering College, GES is committed to provide best possible environment for the students in order to build future ready engineering professionals.

Till now GIDC has poured its expertise in the industrial realm of Gujarat; and now with GIDC Degree Engineering College we are ready to deliver industry ready professionals to the local and global industrial society.

I feel immensely proud to be part of current education era and invite all of you to taste the unique flavour prepared by collective efforts of highly skilled professionals named GIDC Degree Engineering College.

Smt. D. Thara, IAS

Chairperson, GIDC Education Society, Gadhinagar
Vice Chairman & Managing Director,
GIDC Gadhinagar, Gujarat.

Member Secretary's Message



Whenever the name of GIDC appears the common idea that comes to once mind is big industrial estates and all sort of companies. But now onwards the common idea is going to change forever with the linkage of GIDC Education Society.

The GIDC Degree Engineering College established in 2012 is going the change this scenario forever. It gives tremendous pleasure to be connected to the educational side of the society and contribute in the development of future engineers of the society.

It is our constant effort at the GIDC Degree Engineering College to give a best in class education to the students of college. All of this becomes feasible with the help of dedicated members of GIDC Education Society; Principal, Highly qualified faculty members & skilled non-teaching staff of the GIDC Degree Engineering College.

College is approved by AICTE and affiliated to GUJARAT TECHNOLOGICAL UNIVERSITY. Being strongly linked with the industries of Gujarat, we are committed to deliver maximum benefit regarding the placement to students of the college when they step out in the real competitive world after completion of their studies.

I personally urge the students also to deliver their best and contribute to the global technological society. And hence taking the goodwill of the GIDC Degree Engineering College and Education Society to up above the global skies.

Shri. P. R. Bhatt

Member Secretary, GIDC Education Society, Gandhinagar
Director (Notified Area) and General Manager,
G.I.D.C., Gandhinagar, Gujarat.

Member's Message



GIDC Degree Engineering College of GIDC Education Society has always been maintaining very high standards in teaching, research and all the academic processes. We have five academic departments - Computer Engineering, Civil Engineering, Electrical Engineering, Automobile Engineering and Mechanical Engineering offering Bachelor's, degrees. We are giving stimulating experience to the students through innovative pedagogy at our faculty like live projects, field assignments, role play, case studies, industrial visit, expert lectures etc. We have also introduced different research activities, projects and extracurricular activities as part of curriculum.

The programs are highly appreciated in term of selecting for admission over other institutes across the state. Our confidence for great academic success is due proactive management and highly qualified faculty members.

Our institute is an exciting place to study, where you will have the opportunity to experience and develop an understanding of the latest technologies as you prepare for a career in applied engineering. The faculty and staff are committed to preparing students to be leaders in a world characterized by the rapid pace of emerging technologies and new scientific discoveries. We do this by immersing our students in a robust curriculum and applied learning experiences in laboratory, field study and design. Our strong alliance to industry ensures relevancy in classrooms and labs.

We continuously challenge our students, helping them gain knowledge and skills necessary to begin a rewarding career and to become a lifelong learner. There is only one certainty in technology i.e. continuous change and we prepare our students to embrace this change and to become leaders in design and implementation of new technology that will benefit all of us, as we work together to fashion a prosperous and modern India.

I, as a Member of GES, welcome you to visit GIDC Degree Engineering College and see for yourself the temple of learning in the "land of the learned".

Shri. H. R. Parmar

Member, GIDC Education Society, Gandhinagar
Superintendent Engineer, G.I.D.C., Surat

Member's Message



Hard work and perseverance are keys to success in any endeavour. At GIDC Degree Engineering College, we have ensured that this dictum gets firmly embedded in our students. We nurture the aspirations of our students by providing a platform to them to enhance their skills and abilities to be able to compete with their counterparts across the globe.

I may request students and faculties to explore possibilities to participate in various schemes of Government such as Start-up India, Digital India, Student Start-up and Innovation, Skill Development etc. In order to serve society-community, Industry and Government organizations, a Hackathon type activity would be the right initiative. The institute provides a conducive environment for learning with its vibrant and contemporary curriculum, experienced full time faculty, supplemented

by practicing professionals as visiting faculty, good amenities such as laboratories, computer lab, library etc. and hands on experience gained by working on projects, organizing events, etc., by the students themselves. My best wishes to all students and I am sure, you are at your best academic destination and in worthy-competent hands from where your dream career can take off.

V. S. Purani

Member GIDC Education Society, Gandhinagar

Joint Director, Commissioner of Technical Education, Gandhinagar

Member's Message



I am pleased to welcome you to our Annual Magazine Profusion'17. GIDC Degree Engineering College has emerged as one of the front ranking engineering college in the State of Gujarat within a short span of Five Years. The Institute is well known for various initiatives in professional education. It is right from the very inception of this Institution that the students admitted in various programmes offered by the Institute have to pass through an admission process carried out by Admission Committee for Professional Courses, Ahmedabad. Recognizing the impact of input on the students, leading business/technological organizations have visited the campus at Abrama and placed them for enriching the competitive skills of their human resources for higher organizational performance. The Institute has always seen quality education as first

priority, thus, ensuring the academic rigour, institute-industry interface and overall personality development of the students. Consistent efforts are made for bringing in refinement in everything that concerns the Institution. Faculty has a mix of academic and industry experience. Research is one of the top-most priorities, because it is believed that generation of knowledge enriches us with freshness and empowers each individual to overcome obsolescence. However, since there is always scope for continuous improvement in the journey towards excellence, your valuable suggestions are solicited.

CA Vinodchandra Desai

Member GIDC Education Society, Gandhinagar

Chartered Accountant, Navsari

Member's Message



I am delighted to know that GIDC Degree Engineering College is bringing out the 4th edition of college magazine "Profusion' 17". The magazine will be a platform for the students and staff to show their skill in various fields other than their own field of working. The soft skills is now a part and partial of complete engineering course. This magazine and other similar platform are essential and expected that maximum advantage is taken by students and staff. The magazine will also serve as a means to peep into GIDC Degree Engineering College and its activities.

I wish the success future to all students and staff.

Dr. A. K. Dave

Member GIDC Education Society, Gandhinagar
Ex. Director, SVNIT, Surat

Member's Message



It gives me immense Pleasure to pen a few words in "PROFUSION" which bears immense potentialities of sharpening over all personally development. I feel glad to see GIDC Degree Engineering Collage is breaking barriers and moving forward confidently. Today, there is a need of perfect technical as -well-as professional education to be imparted to the youth to route development in the right direction.

"Education is the key to unlock the golden door of freedom." Today education means such more than merely acquiring knowledge. It is acquisition of skills building character and improving employability, of young talent, the future leader. I really appreciate that many curricular and co-curricular activities

are organized to shape the engineers.

Through "PROFUSION 17" I take this opportunity to wish all GIDC Degree Engineering College family and students for their brightest future ahead.

Wishing you all the best.....!

Dr. Dinkarbhai G. Naik

Member GIDC Education Society, Gandhinagar
Director, Narallala College, Navsari

Principal's Message



Dear Stake-Holders,

It gives me immense pleasure to pen a few words as prologue to our in-house magazine "**Profusion-17**" exclusively meant for churning out the latent writing talent which bears immense Potentiality of sharpening your communication skill as part of your overall personality development. I congratulate all the contributors and editorial board for bringing out such a beautiful magazine.

Empowerment of students for their all-round development through education is our cherished motto. Today education means much more than merely acquiring knowledge. It is acquisition of knowledge and skills, building character and improving employability of our young talent and the future leadership. I am sure, being stars and their painstakingly and gainfully developed GDEC culture, we inherited a strong foundation to march ahead and achieve the within mentioned education objectives for a stronger and brighter India. Measures initiated by the Management, steps taken by the college administration, the willing contribution of the teaching and non-teaching staff and overwhelming response and enthusiastic participation of my dear students in the college activities in the recent past all vouch for this. When all the constituents come together and work in unison, the expected results are bound to flow.

The college provides an environment which is not only pollution free but is also immensely suited for the holistic growth and the development of the students. Every effort is made to make the student to have a sound personality by imbibing not only technical skills but also values and social adaptability and human sensibility as integral part of his/her mind-set and to make him/her a complete "self".

I am proud of being the Principal of such a wonderful institution dedicated to the courses of better India not only by generating the graduate Engineers but by way of incubating the entrepreneur with the objective of increasing employability. Come on Let's give our best and make this college a wonder temple of learning through our diligence, devotion and dedication.

Wishing you all the best....!

Dr. K. N. Mistry

Principal, GIDC Degree Engineering College, Abrama

Dean, Faculty of Engineering, GTU, Ahmedabad

Chairman, The Institution of Engineers (India) - Surat Centre

Co-Chairman, GTU Innovation Council, Navsari Sankul.

Chief Editor's Message



Dear readers

Being the Editor In-Chief of the GIDC Degree Engineering College's annual magazine "Profusion", it gives me great pleasure to bring to you fourth issue. The Profusion-17 is dedicating to India's Fallen Heroes who lost their lives in Patancot and Uri terror attack.

This magazine is a platform to exhibit the literary skills and innovative ideas of faculties and students. Profusion presents the panoramic view of the cultural, technical, sports and literary activities and achievements of students and faculties. The college has been simply unstoppable in its progress as it has been actively involved in various activities that have brought to light the hidden talents of the college students and faculties.

We would like to place on record our gratitude and heartfelt thanks to all those who have contributed to make this effort a success.

We are thankful to all the contributors who have sent their articles. On behalf of editorial board, I would express my gratitude to the management of GIDC education society for giving support and encouragement and a free hand in this endeavors. We truly hope that the pages that follow will make an interesting reading.

Dr. H. S. Patil

Editors in Chief :	Dr. H. S. Patil (Head, Mechanical Department)
Editors :	Prof. Archana Nayak (Head, Comp. Dept.) Dr. S.S.Patel (Head, ASH Dept.) Prof. Vikunj Tilva (Head, Civil Dept.)
Co-Editors :	Prof. M. R. Patel (Mechanical Department) Prof. Rohit Damor (Electrical Department) Prof. Manali Shah (Civil Department) Prof. Kaushal Patel (Computer Department) Prof. Nisha Parekh (Science & Humanities Department) Prof. Arpit Panchal (Automobile Department)
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Published by :	GIDC Degree Engineering College, Abrama, Navsari.

Editorial Board of Profusion-2017



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Editors



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(Head, Comp. Dept.)**



**Dr. S.S.Patel
(Head, ASH Dept.)**



**Prof. Vikunj Tilva
(Head, Civil Dept.)**

Co-Editors



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**Prof. Rohit Damor
(Electrical Dept.)**



**Prof. M. R. Patel
(Mechanical Dept.)**



**Prof. Arpit Panchal
(Automobile Dept.)**



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(ASH Dept.)**

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(Auto Dept.)**



**Mr. Sanjay Patel
(Administrative Office)**



**Mr. Nilesh Patel
(Computer Dept.)**

Designer

Contents

Sr. No.	Contents	Page No.
	Honourable Vice Chancellor of GTU Message	
	Chairperson's Message	
	Member Secretary's Message	
	Member's GIDC Education Society Message	
	Principal's Message	
	Editor's Message	
1	Dynamic Management	13
2	About the Institute	14
3	Student Rankers in Exams	16
4	From the Department Heads	20
5	Administration Centre	26
6	Central Library	27
7	Institute Activity Reports	28
8	Faculty and Students' Activity Reports	42
9	Industrial Visits	52
10	Sports: Maitri Olympiads 2016	53
11	Technical: Uddan 2016	56
12	Cultural: Gunj 2016	58
13	Poetrie's & Articles	60

Dynamic Management

Name	GES Designation	Affiliated Organization
Smt. D. Thara IAS	Chairperson	Vice Chairperson & Managing Director, GIDC, Gandhinagar
Shri. P. R. Bhatt	Member Secretary	Director (NA) & General Manager GIDC, Gandhinagar
Shri H. R. Parmar B.E. Civil	Member	Superintending Engineer GIDC, Surat
Dr. V. S. Purani M.E. Civil, Ph. D.	Member	Joint Director, Commissioner of Technical Education, Gandhinagar
Dr. A. K. Dave M.E. Mechanical, 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

VISION & MISSION

VISION:

To grow as a premier education and research institute in the field of Engineering with global view point and serving with world class standards conferring excellence to the engineering products through dedicated and competent Engineers.

To grow Engineering institution of excellence with the environment of commitments and continuous learning approach.

MISSION:

To endow with teaching education at the Degree as well as Postgraduate levels to enrich the people of the country in present technical scenario.

- To establish all latest facilities to produce trained engineers to fulfil the requirement of the industries and society
- To provide an ideal platform for teachers, students and professionals.
- To promote horizontal and vertical networking.
- To improve quality of technical education with socio-economic and environmental needs of the industries and the society at large.

About the Institute

GIDC Degree Engineering College (GDEC) is a venture of Gujarat Industrial Development Corporation established in 2012 under the Public Private Partnership, a scheme of Government of Gujarat. GIDC constituted the Society, namely "GIDC Education Society" which has been registered as Society under the Society Registration No. GUJ: 1769: Gandhinagar dated 14-07-2010 and also registered as Charitable Trust under the Bombay Public Trust Act, 1950 vide Registration No. F:1723: Gandhinagar dated 14-07-2010. The institute is approved by All India Council of Technical Education (AICTE), New Delhi and affiliated to the Gujarat Technological University, Ahmedabad. The GDEC assignment is to develop a quality education system, centre of excellence with synergy to explore innate abilities of students. Institute encourage teaching & learning through innovative practices for value based education. Institute have qualified, experienced faculty & staff to take up the responsibility of knowledge transfer, have an excellent infrastructure in environment friendly atmosphere, fully equipped laboratories with latest technology that helps the industry. The students learn engineering to take up fresh challenges of the industry & research. Involvement of industry professionals in the development of students is another area where our college is focusing with considerable success.



Courses Offered

The GIDC Degree Engineering College, Abrama, Navsari, offers following five undergraduate courses of 4 years duration (8 semester) leading to B.E. Degree:

Branch	Intake
Mechanical Engineering	120
Civil Engineering	120
Computer Engineering	60
Electrical Engineering	60
Automobile Engineering	60

Amenities of the Institute

The Institute is having well-furnished classroom and seminar halls with smart board with projector in each department buildings accompanied with fresh air and modern teaching techniques and tools to facilitate teaching and learning process in a conducive manner- an excellent support for discussions, presentations for analysis of theoretical of talent of technocrats.



The canteen is managed by a professional caterers, is spacious and provides breakfast and lunch (mess) services. The canteen has a very good ambience and special emphasis on taste and hygiene. In case of power failure, we have the direct power backup solution in the form of a Generator Set of Kirloskar company with load capacity of 100KVA rated current 139 Amps and supply type three phase, sufficient enough to supply in the whole institute.



Rankers of the Institute for Academic Year 2015-16

Class	First Rank	Second Rank	Third Rank
Mechanical Engineering			
B.E-I- (A)	GANDHI LAY PRANAV CPI-8.53 	PATEL DENISH RAJESHKUMAR CPI-8.23 	KANOJIYA BRIJESH RAMDUBAR CPI-7.98 
B.E-I- (B)	KYAGABA DAVID KAWERE JOSEPH CPI-8.82 	NATWIJUKA GILBERT BEYENDEZA CYPRIAN CPI-8.72 	SHIMPI KUNAL RAJU CPI-8.42 
B.E-II- (A)	ABRAHAM JERIN JOHNSON CPI-7.92 	JAGTAP VISHAL RAJESHBHAI CPI-7.92 	KUBADIA BHOOMIK NAVIN CPI-7.82 
B.E-II- (B)	SHAH AKSHAYKUMAR ASHOKBHAI CPI-8.00 	SATYAM RAJENDRASINGH BHADORIA CPI-7.99 	SONI AKSHAYBHAI DINESHBHAI CPI-7.66 
B.E-III	HANSRAJ JUGROOP CPI-8.72 	ITALIYA BHAVIN CPI-8.12 	JAYVARDHAN NARENDRA NANGARE CPI-7.82 
B.E-IV	SHARMA NEELSAI RAJESH CPI-8.74 	PATEL DHURUVANG THAKORBHAI CPI-8.12 	PATEL KAIRAV JAGDISHBHAI CPI-7.96 



Rankers of the Institute for Academic Year 2015-16

Class	First Rank	Second Rank	Third Rank
Computer Engineering			
B.E.-I	MAKWANA AKSHAY DALSUKHBHAI CPI 8.7 	DESAI MOHIT KAUSHALBHAI CPI 8.52 	PARMAR BHAVIN NATVARELAI CPI 8.18 
B.E.-II	LIKHIA HEMANGIBEN VASANTIBHAI CPI 8.4 	MISTRY RICHIA ASHOKHBHAI CPI 8.28 	PATEL NAMRATARAHEN SUKHABHAI CPI 7.94 
B.E.-III	MALI HETAVI VINODHBHAI CPI 8.75 	DESAI JINALBEN KETANBHAI CPI 8.71 	DESAI MAITRY AJAYKUMAR CPI 8.3 
B.E.-IV	PATEL KINJALKUMARI BIPINBHAI CPI 8.12 	TANDEL ANJALIBEN CHAMPAKHBHAI CPI 8.08 	RAVAL FALGUNI SUBODHBHAI CPI 7.96 
Automobile Engineering			
B.E.-I	Patil Shubham Rajaram 7.68 CPI 	Sharma Yogesh 7.47 CPI 	Prajapati Kevin Rajnikant 7.25 CPI 
B.E.-II	Sarode Vinay Rameshbhai 7.68 CPI 	Maurya Amitkumar 7.03 CPI 	Plad Keyur Namubhai 6.96 CPI 



Rankers of the Institute for Academic Year 2015-16

Class	First Rank	Second Rank	Third Rank
B.E.-III	Yadav Tejas kumar 8.16 CPI 	Padsala Divyesh Bharatbhai 8.12 CPI 	Kathuriya Dikshit Ashokbhai 8.05 CPI 
B.E.-IV	Shah Deep Rajulbhai CPI 7.75 	Shingala Vimal Dhirubhai CPI 7.55 	Sutariya Abhishek Natubhai CPI 7.22 
Electrical Engineering			
B.E.-I	PATEL KEYUR P. 8.60CPI 	PATEL HETVI K. 8.28CPI 	DARSHAN I 7.85CPI 
B.E.-II	PATEL PRIYANK RAMESHBHAI 7.84CPI 	PATEL RAJATKUMAR A 7.81CPI 	TRIVEDI MINAL 7.79CPI 
B.E.-III	SEVAK SHIVANG KALPESHKUMAR 8.72CPI 	PARMAR UMANG NARESHBHAI 8.44CPI 	DOCTOR MOHAMAD SHAFI MOHAMAD HARUN 8.03CPI 
B.E.-IV	PANDAV MAYUR KANUBHAI 8.23 CPI 	KANSARA SHUBHANG G. 7.24 CPI 	TANDEL PINALKUMAR KANTILAL 7.19 CPI 

Rankers of the Institute for Academic Year 2015-16

Class	First Rank	Second Rank	Third Rank
Civil Engineering			
B.E.-I- (A)	JAY N. BHANUSHALI CPI-8.08 	NAISHADH VEKARIYA CPI-8.02 	CHOVATIYA DHARA HITESHBHAI CPI-7.63 
B.E.-I- (B)	MR. EHSANULLAH AYOIN CPI-8.10 	PAYALBEN V. TANDEL CPI-8.02 	MR. SHUAIB KOHEE CPI-7.83 
B.E.-II- (A)	KEYUR R. KAMARIYA CPI-9.1 	RICHA A. JARIWALA CPI-8.52 	KAJOL J. PANCHAL CPI-8.4 
B.E.-II- (B)	MANISHABEN N. RATNANI CPI-8.53 	KUNJAN J. SHUKLA CPI-8.4 	KAJAL M. PATEL CPI-8.36 
B.E.-III	SHIVANI R. RANA CPI-7.86 	SHAH ASHIT CPI-7.8 	SHIVANIBAHEN B. PATEL CPI-7.84 
B.E.-IV	VISHESH S. KAKWANI CPI-7.73 	JAIMINI R. PATEL CPI-7.26 	AHMED ABUBAKER M. JARIWALA CPI-7.25 





Desk of Head of Mechanical Department

It is my pleasure and honour to welcome you to the Mechanical Department. Mechanical Engineering has been thought of traditionally as a professional discipline, applying principles from engineering, physics in design, analysis, manufacturing of mechanical systems, and the associate transfer and flow of energies from one form to another. Now, it is at the centre of almost all technical advancements, from health services to communications, transportations, and all the infrastructures that you see around. The Mechanical Engineers of today are multi-disciplinary, with knowledge from other branches of engineering. Our distinguished faculties and laboratories showcase the diverse study interests and new devices, CAAD Centre and Skill Upgradation Centre developed here at Mechanical department.

The students are taught by excellent experienced faculties who have graduated from renowned universities, and who are very conscientious in carrying out their teaching duties. The approach of the department is to make the learning process for the students interesting and participative with experiential learning and strong emphasis on practical education, and exposure to real time scenarios through strong industry interface. The department is provided with sufficient resources to meet these objectives. The faculties are motivated to update their knowledge base through regular faculty development programs and research. The students are also encouraged for participation in various technical competitions and industrial exhibitions. The goal of the department is to produce global engineers par excellence.

Teaching & Supporting Staff Members

- Dr. H. S. Patil

Sr. No.	Staff Name	Designation	Qualification
1	Dr. K. N. Mistry	Professor & Principal	M.Sc. (Tribology), Ph.D. (Mechanical)
2	Dr. H. S. Patil	Professor & Head	M.E., Ph.D. (Mechanical)
3	Dr. D. C. Patel	Associate Professor & WS In-charge	M.Tech. Ph.D. (Mechanical)
4	Prof. Mayur R. Patel	Assistant Professor	M.Tech.(CAD/CAM)
5	Prof. Daksh R. Tandel	Assistant Professor	M.E.(Cryogenics)
6	Prof. Hariketan B. Patel	Assistant Professor	M.E.(CAD/CAM)
7	Prof. Anant B. Lad	Assistant Professor	M.E.(Metallurgy)
8	Prof. Keyur C. Patel	Assistant Professor	M.E.(I.C./Auto)
9	Prof. B. S. Naik	Assistant Professor	M.E.(Thermal)
10	Prof. D. A. Patel	Assistant Professor	M.E.(Thermal)
11	Prof. H. R. Naik	Assistant Professor	M.Tech.(CIM)
12	Prof. M. V. Goti	Assistant Professor	M.Tech.(Material Technology)
13	Prof. T. N. Patel	Assistant Professor	M.Tech.(CAD/CAM)
14	Prof. A. A. Patel	Assistant Professor	M.E.(Design)
15	Prof. K. H. Jadeja	Assistant Professor	M.E.(CAD/CAM)
16	Prof. N. K. Lad	Assistant Professor	M.E.(Thermal)
17	Mr. Hitesh N. Patel	Lab Assistant	DME, DEE
18	Mr. Jatin K. Patel	Lab Assistant	DME
19	Mr. Brijesh B. Patel	Lab Assistant	DME
20	Mr. Divyesh C. Patel	Workshop Technician	ITI(Fitter)
21	Mr. Bhavesh N. Tandel	Workshop Technician	ITI(Welder)
22	Mr. Kiran C. Nayaka	Workshop Technician	ITI(Fitter)
23	Mr. Ismail I. Saiyad	Workshop Technician	ITI(Carpenter)
24	Mr. Bhavin M. Patel	Lab Attendant	Agricultural Diploma



Desk of Head of Computer Department

Currently we are in the robustly evolving phase of digitization. In this phase the responsibility increases multifold being an IT- Technocrat and same is the sentiment of whole Computer Engineering Department at GIDC Degree Engineering College. The Department has a comprehensive curriculum on topics related to all aspects of Computer Engineering with an emphasis on practical learning to deal with the phase efficiently.

The Department has state-of-the-art infrastructure and computing equipment supported by high speed Ethernet and wireless networks. Students are provided with individual work-spaces and desktop computers consisting of high end configuration.

The faculty members of the department are well experienced and excellent in teaching field. Apart from curriculum, the department has actively organized expert lectures for students on various technical as well as non technical topics which are delivered by professionals from the industry/academia. Last year, the department has successfully organized workshop on Introduction to Android Application Development in which students

were provided practical approach for working on android applications. With the very first batch of college being graduated in 2016 the department also feels the flavor of graduation itself. The department has been working towards placements of its students very diligently. With the visit of various companies, elite students of the department have got placed last year. In the current academic year few Companies like BosLeo, Softyug, Mango Technology, Peacock Technologies etc have visited the department for Campus Selection. In current academic year few more company will be visiting for placement. Furthermore, department has conducting social activities like tree plantation, women empowerment for the betterment of students and society.

With the most efficient staff computer engineering department look forward to approach new and higher milestones in the upcoming era of digitally enriched India.

- Prof. Archana Nayak

Sr. No.	Staff Name	Designation	Qualification
1	Archana M. Nayak	Asst. Professor (Head of Dept.)	ME (Computer Engg.)
2	Kaushik S. Patel	Assistant Professor	M.Tech (Computer Engg.)
3	Kaushal T. Kevadia	Assistant Professor	ME (Computer Engg.)
4	Hetal M. Patel	Assistant Professor	ME (Computer Sci. & Engg.)
5	Brijesh U. Patel	Assistant Professor	M.E (Computer Engg.)
6	Bhumika H. Patel	Assistant Professor	M.E (Computer Engg.)
7	Pankti S. Naik	Assistant Professor	M.Tech (Information Tech.)
8	Mihir A. Mishra	Assistant Professor	M.Tech (Computer Sci. & Engg.)
9	Vibhuti P. Patel	Assistant Professor	M.Tech (Computer Engg.)
10	Kushal D. Patel	Assistant Professor	M.Tech (Computer Engg.)
11	Avani P. Patel	Assistant Professor	M.E (Computer Engg.)
12	Tejas B. Patel	Assistant Professor	ME (Computer Engg.)
13	Himanshu R. Patel	Lab Assistant	BE (Computer Engg.)
14	Nilesh G. Patel	Lab Assistant	Diploma (Computer)
15	Amruta S. Naik	Lab Assistant	Diploma (Computer)
16	Harish L. Patel	Lab Attendant	SSC



Desk of Head of Civil Department

Civil Engineering is the broad field of engineering which deals with structures, construction and maintenance of buildings, bridges, roads, railways, soil, water supply & sewer, Irrigation, environment. Civil Engineering Department of GDEC aims at developing analytical and experimental skills in students to apply in various fields of Civil Engineering.

The department also provides an opportunity for students in improving communication skills through presentation, knowledge of software like STAAD PRO. For students the department consistently organizes Industrial Training and visit to live projects to gain practical knowledge and understanding of field constraints. Department consists of well-developed equipped with instruments for Material Testing lab, Geotech Engineering lab, Transpiration engineering lab and Environmental engineering lab.

The Civil Department has well qualified teaching faculties who are enthusiastic in imparting the quality teaching to the students. Department has been conducting FDP/expert lecture/seminar since its beginning to keep the faculty and students side by side with the latest developments in the field of technical education. Department consist total 16 member as a teaching staff, 3 member as a non-teaching staff and 1 member as a lab attendant.

Prof. Vikunj Tilva

Teaching & Supporting Staff Members

Sr. No.	Staff Name	Designation	Qualification
1	Vikunj K. Tilva	Asst. Prof. & Head of Dept.	M.E. (CASAD.)
2	Nilesh R. Parmar	Assistant Professor	M. Tech (Structural Engineering)
3	Sunil V. Jaganiya	Assistant Professor	M. Tech (Structural Engineering)
4	Pritesh R. Rathod	Assistant Professor	M. Tech (Structural Engineering)
5	Rajan kumar J. Lad	Assistant Professor	M.E. (Transportation Engineering)
6	Manali S. Shah	Assistant Professor	M.E. (Water Resources Management)
7	Mamta D. Patel	Assistant Professor	M.E. (Water Resources Engineering)
8	Mihirkumar B. Naik	Assistant Professor	M.E. (Construction Management)
9	Mehul k. Gamit	Assistant Professor	M. Tech (Urban Planning)
10	Yamini J. Kanthariya	Assistant Professor	M. Tech (Urban Planning)
11	Krutika A. Chauhan	Assistant Professor	M.E. (Structural Engineering)
12	Jaldip J. Patel	Assistant Professor	Assistant Professor
13	Fenil R. Gandhi	Assistant Professor	M.E. (Water Resources Engineering)
14	Nimit J. Raval	Assistant Professor	M.E. (Highway and Transportation Engg.)
15	Mittal G. Mistry	Assistant Professor	M. Tech. (Soil Mechanics and Foundation Engg.)
16	Nafisa D. Shaikh	Assistant Professor	M. Tech. (Geotechnical Engineering)
17	Anita P. Patel	Lab Assistant	Diploma Civil Engineering
18	Hemali J. Patel	Lab Assistant	B.E. Civil Engineering
19	Vikram G. Patel	Lab Assistant	B.E. (Environment Engineering)
20	Sailesh A. Patel	Lab Attendant	S.S.C.





Desk of Head of Electrical Department

I take the privilege to welcome you all to the Department of Electrical Engineering at GIDC Degree Engineering College, Navsari. Our department has been progressing towards excellence in the field of teaching and research. With a team of dedicated, experienced and qualified faculty members, the department has been growing to be one of the sought after branches. The faculty members in the department have diverse interests in the field of Electrical Engineering. In these times of enormous competition, the only way ahead is networking of all kinds of resources-people, ideas, knowledge and expertise. Electrical department aims to produce graduates to meet the needs of core and I.T. industries. We strive relentlessly; to constantly improve ourselves, our staff, our educational services and quality of students so as to become the best.

This branch of engineering is an application of physics laws governing electricity, magnetism and light. As an electrical engineer, an individual deals with the power generation, conversion, transmission, distribution, usage of electrical power etc. It also involves in designing end use devices like electric motors, machinery and ignition systems used in industry. This branch of engineering offers excellent career opportunities for the students. Electrical Engineering is an exciting job where an engineer work on the cutting edge of technology all the time. This emerging branch assists a student to know the history of electricity and its latest technology. The Students will be given industrial exposure through industrial visits and they also are trained to update their knowledge by value added seminars, guest lectures and interactive sessions with eminent industrialists together with the value added program to meet the industrial requirements in addition to curriculum. As an Electrical Engineer, an individual can kick start his career in the fields of drawings and specification, design, development and implementation of products or systems, research to create prototypes of new products and usages. These professionals are required by many industries in large numbers for instance, fans, motors, refrigerators, consumer durables etc. They also get employment in hydroelectric power plants, nuclear power plants, thermal power plants and wherever electricity is generated, transmitted, distributed.

In the curriculum of this engineering, it provides practical knowledge and ways of improvement in technology.

- Prof. Rajesh T. Patel

Teaching & Supporting Staff Members

Sr. No.	Staff Name	Designation	Qualification
1	Rajesh T. Patel	Asst. Professor(Head of Dept.)	M.Tech.(Industrial Electronics)
2	Dhaval K. Patel	Assistant Professor	M.E.(Electrical Engineering)
3	Ketan K. Lad	Assistant Professor	M.E.(Electronics And Communication)
4	Bhavesh S.Patel	Assistant Professor	M.E.(Automation & Control/Power System)
5	Rohit B. Damor	Assistant Professor	M.Tech.(Power electronics, Machine & Drives)
6	Dhruvang R. Gayakwad	Assistant Professor	M.Tech.(Electrical Power Systems)
7	Khyati N. Naik	Assistant Professor	M.Tech.(Electrical Power System)
8	Keyur H. Patel	Assistant Professor	M.E.(Automation & Control/Power System)
9	Jay R. Desai	Assistant Professor	M.E.(Electronics And Communication)
10	Bhavin S. Trivedi	Assistant Professor	M.E.(Power Electronics)
11	Dharmishtha T. Patel	Assistant Professor	M.E.(Electronics And Communication)
12	Ankur Desai	Assistant Professor	M.E.(Electrical Engg.(Power Systems))
13	Jaykishan J. Raval	Assistant Professor	M.Tech.(Power electronics, Machine & Drives)
14	Apeksha Desai	Lab Assistant	Diploma Engg.(Mechanical/Electrical Engg.)
15	Chetna Patel	Lab Assistant	Diploma Electronics & Telecommunication Engg.
16	Kamlesh Sonwane	Lab Assistant	B. Tech.(Electrical Engg.)(Electrical Engg.)
17	Nikunj Chaudhari	Lab Attendant	B.Com., MSW.





Desk of Head of Automobile Department

To produce most competent engineers with learning facilities comparable to world class standards designing and manufacturing of modern fuel efficient, aerodynamic and eco friendly automobile systems through innovative ideas and practices. Our automobiles run the world. This modern day world requires competent engineers to fuel the change occurring in the industry. Today's man cannot live without the luxury provided to him by technology. As engineers we know that luxury comes with a price, the price of depletion of fossil fuel. It is our duty to conserve this energy and save our planet. Automobile Engineers will lead the way of change by creating vehicles for tomorrow. As a part of this team we are proud to say our students will be able to implement their knowledge to fuel the vehicles without harming the atmosphere. Automobile industry is not only affluent but has a bright future too. There is a world of job opportunities in the automobile realm.

To cater to the needs of ever expanding needs of the automobile industry, the department proposes an ever progressing process of learning and skill development to the eager students by providing bachelor program in Automobile Engineering with a yearly intake of 60 students. Our department consists of 7 Teaching faculties and 3 Non – teaching faculties from different specialization of Automobile as well as Mechanical engineering with a good blend of industry as well as academic experience. All our faculties are well experienced in their core areas such as I.C. Engines, Automobile Technology, Performance and Emission control, Alternate Fuels, Thermal, Machine Design, Automotive Electronics and CAD-CAM.

The department consists of a well equipped labs like Automobile Engine Lab (Engine Performance and Emission Testing), Automobile system lab, Vehicle Performance Testing and Maintenance Lab, Computer Aided Engineering Lab, Physics Lab, Automotive Control System lab, Fuels and Engine Tribology Lab, Automobile Design Lab, Light duty vehicles lab, Automobile Workshop and the software packages available in the department include Auto-CAD, Creo, Solidworks, ANSYS, etc for the faculties and aspiring students to pursue their research and project work. Frequent industrial visits to renowned industries, Conducting guest lecturers and quiz programs, Conducting Automobile modeling workshops for development of designing skills, arranging various in-plant training to get more practical knowledge are one of the key activities which are provided for our young automobile students.

- Prof. Toral V. Patel

Teaching & Supporting Staff Members

Sr. No.	Staff Name	Designation	Qualification
1	Toral V. Patel	Asst. Prof. & Head of Dept.	M.Tech (Thermal Engg.)
2	Ashish Jain	Assistant Professor	M.E.(I.C.Engines)
3	Ankit K. Patel	Assistant Professor	M.E.(Automobile)
4	Sunil R. Khokhar	Assistant Professor	M.E.(Machine Design)
5	Arpit D. Panchal	Assistant Professor	M.Tech (Automotive I.C.Engines)
6	Mayur J. Jalanapurkar	Assistant Professor	M.E.(I.C.Engines & Automobile)
7	Vishwas C. Patel	Assistant Professor	M.Tech (Thermal Engg.)
8	Manoj U. Patel	Lab Assistant	Diploma in Mechanical Engineering
9	Dixit R. Patel	Lab Assistant	B.E. (Mechanical)
10	Anil Patel	Lab Attendant	HSC



Desk of Head of ASH Department

It gives me pleasure to introduce the department of Applied Sciences and Humanities. Since, the Applied Sciences & Humanities subjects are the foundation subjects for all the branches of engineering and technology, the vision is to enhance & empower the scientific temperament of the students through the knowledge of core courses of Applied Sciences & Humanities.

The department aims to provide the sound knowledge on the basis of the basic courses of the Applied Sciences & Humanities which lay the foundation of different branches of engineering and technology. The department offers excellent academic environment with a team of highly qualified faculty members to cater the needs of the students and to inspire them to develop their technical skills. In addition to the primary teaching duties, some of them have their publications in National as well as International Journals of repute, some of them are also pursuing their Ph. D. for attaining perfection in their profession. The department of Applied Sciences and Humanities attempts an integrating human values and social concern with professional education. It has grown into a full-flagged and dynamic department.

Interdisciplinary in orientation, the Department currently offers courses in several subjects like Mathematics, Physics, Communication Skills, Management, Entrepreneurship, etc. The teaching module comprises of lectures, tutorials and practical along with various other initiatives. Various teaching aids like PPT, Tutorial Book, and Lab Manual etc. are used to make the study easy, fruitful and interesting. Faculty members perform the role of a perfect facilitators mentor to each section. The methodology adopted in the classroom teaching is based on the application of innovation strategies, comprehensive lectures, regular assignments and active interaction between teachers and students.

The department is equipped with state-of-the-art facilities such as Physics Lab, Language Lab with internationally accepted multilingual software, etc.

- Prof. Dr. Shailesh S. Patel

Teaching & Supporting Staff Members

Sr. No.	Staff Name	Designation	Qualification
1	Dr. Shailesh S. Patel	Professor & HOD	M.Sc. , Ph.D. (Mathematics)
2	Mr. Harshal G. Vashi	Assistant Professor	B.E. (I & C), M.B.A. (H.R.), Ph.D. Pursuing
3	Dr. Kaushal K. Thakkar	Assistant Professor	M.Sc., Ph.D. (Physics)
4	Dr. Rajiv Kumar Singh	Assistant Professor	M.Sc., Ph.D. (Mathematics), CSIR, UGC-NET
5	Ms. Mansi K. Desai	Assistant Professor	M.Sc.(Mathematics), Ph.D.Pursuing
6	Ms. Megha K. Tailor	Assistant Professor	M.Sc.(Mathematics), Ph.D.Pursuing
7	Ms.Ishita V. Panchal	Assistant Professor	M.B.A. (H.R.)
8	Ms. Nisha S. Parekh	Assistant Professor	M.A. (English), M.Phil., (English) Ph.D Pursuing (English)
9	Mr. Harshit K. Naik	Assistant Professor	M.Sc. (Mathematics)
10	Ms. Bijal K. Patel	Assistant Professor	M.Sc. (Mathematics)
11	Ms. Hetal H. Patel	Lab Assistant	M.Sc. (Physics)
12	Mr. Bhavin Patel	Lab Attendant	HSC

Administration Centre

Transparent method of operation and hassle free work environment is a backbone of any department. Administration is a bridge between management and all the stake holders of the college. The college administrative department is committed to perform the entire task related to student like admission and all the other day to day matters, affiliation with university, extension of approval from AICTE, Recruitment of qualified & efficient staff, maintenance and enhancement of manpower and management of all accounting matters.

Administration Staff - GIDC Degree Engineering College

Sr. No.	Name	Designation	Qualification
1	Naik Ritesh R.	Administrative Assistant	B.B.A.
2	Patel Sanjay T.	Accountant	M. Com, LLB
3	Shukla Darshan N.	Clerk	B. Com, MBA
4	Patel Manish S.	Clerk	B. Com, LLB
5	Desai Jigna J.	Clerk	B. Com
6	Kajal Naik	Clerk	B.C.A
7	Desai Nirav N.	Store Keeper	B. Com
8	Viral I. Patel	Network Admin	M.E. Computer
9	Patel Parimal R.	Electrician	I.T.I.
10	Patel Sunil N.	Attendant	H.S.C
11	Deshmukh Gautam A.	Attendant	H.S.C
12	Patel Priti P.	Attendant	H.S.C

Technical Staff Associated with GES from GIDC, Vapi

Sr. No.	Name	Designation
1	Shri A. C. Patel	Executive Engineer
2	Shri N. V. Patel	Executive Engineer-Mech/Elect
3	Shri M. P. Patel	Deputy Executive Engineer
4	Shri Kartik Prajapati	Assistant Engineer

Administration Staff Associated with GES from GIDC, Gandhinagar

Sr. No.	Name	Designation
1	Ms. Aarohi Shah	Assistant, N.A. Branch, GIDC
2	Mr. P. C. Sharma	PA to VC & MD, GIDC
3	Ms. Sugatha Menon	PA to VC & MD, GIDC
4	Mr. P. M. Makwana	Peon, N.A. Branch, GIDC



Central Library

Library is the heart of the institute; it is a belief to facilitate production & dissemination of knowledge, information, insights & intellect in all communities. Be it an academic program or a business program, the participants are facilitated with the latest reading resources from all over the world. Our Collage Library is well equipped with books of all discipline. Our library functions under the open access system. National, International journals and magazine are being subscribed in our library. And also we have an online journal. E books also available in library. Our library is fully furnished with all facilities. Seating capacity of the library is around 130 students.

Ms. Ami S. Patel
Librarian

Library Book Details:

No. of Books	Titles : 1454	Volumes : 6730	
Journals & Periodicals	International Journal	10	55
	National Journal/Magazine	45	
E Journal	DELNET, JGATE		
Newspaper	5 (English & Gujarati)		
Total number of CD/DVD	219		
Software	SOUL 2.0 software connected with INFLIBNET, Ahmedabad.		

Library Staff:

Sr.No.	Name	Designation	Qualification
1	Miss. Ami S. Patel	Librarian	M.phil (Library & Information Science), M.Lib.
2	Mrs. Priyanka S. Kher	Assistant Librarian	M.Lib.
3	Mrs. Hemlataben Ahir	Lab Attendant	B.A



Independence Day & Republic Day Celebration

GIDC Degree Engineering College, Navsari gives tribute to our nation on 15th August, 2016 and 26th January, 2017.

On 15th August, 2016, 70th Independence Day was celebrated with pride and joy. Honorable Shri Hasmukhbhai Shah, VIA Vapi hoisted the flag. After the flag hoisting Shri Hasmukhbhai Shah Shri N.S.K. Shrinivasan, Shri Lalitbhai Kothari, Shri Krishnakanbhai, trustee members and our principal sir addressed our students and staff.

On 26th January, 2017, 68th Republic Day was celebrated with pride and joy. Honorable Shri Mohanlal Mali and Ambalal Babaria hoisted the flag. After flag hoisting invited guest Shri Mohanlal Mali, Ambalal Babaria, Shri Hasmukhbhai Shah, Shri Lalitbhai Kothari, Shri Hardikbhai Naik, Shri Jigneshbhai Desai, Shri Krishnakanbhai, our trustee Dr. A.K. Dave and our principal sir addressed our students and staff. Final year students who have secured first rank in their respective branch were felicitated by the college and the prizes were sponsored by Shri Madhusudanbhai Mangukiya. First four rankers of Bharatiya Sanskriti Gyan Parixa were also felicitated by Gayatri parivar. Our final year students presented their project work to the invited guest and our trustee members.



Swachh Bharat Abhiyan

Under the "Swachh Bharat Abhiyan" all the 1stsem students of civil engineering branch participated in Swachh Bharat Abhiyan during 29/8/2016 to 2/9/2016 at HANSAPOR Village. The main purpose behind the organizing of such a program is rural development and social involvement of first year students in their academic activities through SHRAMDAAN for construction of toilets under SBM(G).



Yoga Day

As per the direction received from GTU, Ahmedabad and DTE, Gujarat. we have celebrated 2nd International Yoga Day on 18-06-2016 at our institute. Ms. Manjuben and Ms. Panna Naik, Yoga instructors from Art of Living were invited at our institute for the yoga performance. The participants were introduced the basic yoga and then they performed various types of Yogasanas. Numbers of participants have enthusiastically taken part in the event. Teaching faculties, Non-teaching staff including technical and supporting staff and students remained present. They took the advantages of the various types of yogas and also knew the health benefits of yogas. All the participants wished to continue such healthy activity at their homes on regular basis. Dr. S. S. Patel was coordinated the program. Under the agenda of activities Prof. Harshal G. Vashi organised essay competition of the students for different topics of yoga related with the help of all department staff members (Prof. Bhavin Trivedi, Prof. Jay Desai, Prof. Nilesh Rathod, Prof. Mihir Naik, Prof. Bhumika Patel, Prof. Vibhuti Patel, Prof. Daksh Tandel & Prof. Sunil Khokhar). Really it was a wonderful programme arranged in a nice way under the supervision of our principal Dr. K. N. Mistry. Essay Competition was arranged during 2nd International Yoga Day. Best Three Essay from our students has been sent to GTU: 1) Jay N. Bhanushali (151100106015) : Benefits of Yoga 2) Akshay D. Makwana (151100107020): Yoga for Health 3) Mirza Aejah H. (151100119042): Current Need of Yoga in Daily Life, Total No. of Participants: 40

Orientation Programme

To welcome and enhance the freshmen transportation, laboratories, canteen, etc. The and other infrastructure. The program was orientation program was arranged on 4th August. program was anchored by Prof. Nisha Parekh. anchored by Prof. Ishita Panchal. The program was conducted in two seminar halls Students of Mechanical and Electrical After the completion of the session, the in parallel. Students of Automobile, Civil and engineering were assembled in Mechanical parents meeting was conducted by Principal to Computer engineering were assembled in Department Seminar Hall. Shri C. A. Vinodchandra take care of their wards and advised them to Electrical Department Seminar Hall. Principal Dr. K. G. Desai presided over the function along with Shri cooperate in disciplinary manner for the N. Mistry presided over the function along with the Madhubhai Kathiriya as a chief guest (Ex. betterment of the students. At the same time concerned department HODs. Principal welcomed Mamlatdar) and the concerned department HoDs. students were taken for the college tour by all the students in the environment of the college Shri C. A. Vinodchandra G. Desai welcomed all the respective department faculty members to campus and motivated the students to show their students with his inspirational speech, Shri I ntroduce about the facilities provided by the skills in the career. Dr. Shailesh Patel had given all Madhubhai motivated the students by giving college. the guidelines regarding the bridge course and examples of technocrats. Prof. Harshal Vashi had The whole function was organized by other infrastructure and facilities like library, given all the guidelines regarding the bridge course

Free Gate Mock Test

Computer Engineering Department successfully hosted online GATE MOCK test in coordination with I.C.E. GATE Institute, Surat to aware student about exam pattern in their respective branch for GATE 2017. In addition, this helped them to know their areas of strengths and weakness. Furthermore, this test helped students in knowing where they stand in ALL India level. Around 89 students of GDEC college had participated in this test. It was conducted in 5 laboratories of Computer department. As a Test



Center Administrator, Prof. Archana Nayak (Head of Computer Engg. Dept.) leads a dedicated team which is well equipped to deliver quality services. Overall program managed by Prof. Brijesh Patel and Prof. Kushal Patel with support of staff (1)Hetal Patel (2)Mihir Mishra (3)Vibhuti Patel (4)Avani Patel (5)Pragnesh Patel (6)Tejas Patel(7)Nilesh Patel (8)Amruta Naik (9)Himanshu Patel (10)Viral Patel

Thalassemia Awareness and Screening Test Programme

The GIDC Degree Engineering College with assistance of Red Cross Society Ahmedabad Branch organized Thalassaemia Screening and Prevention Programme in the college premises on 24th August 2016. Thalassaemia testing was held consecutively for 4th time in the campus. About 226 first year admitted students from all five branches were participated in Thalassaemia Screening and Prevention Programme



and understand the meaning of testing Thalassaemia and its advantages for coming generation. 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. The programme was coordinated by Dr. H. S. Patil with support of Hitesh Patel, Mr. Jatin Patel, Mr. Brijesh Patel, Divyesh Patel, Bhavesh Tandel, Kiran Nayaka, Ismail

Saiyad, Amruta Naik ,Nilesh Patel, Manoj Patel, Anita Patel, Hemali Patel, Apeksha Desai, Vikram Patel, Kamlesh Sonawane, Chetana Patel

Tree Plantation Programme

Tree plantation program was carried out to create awareness among students for protecting trees and environment. This program was carried out in all the branches, department wise. The main focus was on plantation of native trees like Neem, Banyan and Peepal trees..Dr S.S. Patel arranged this programme.



GPSC -UPSC Awareness Seminar

GPSC and UPSC Awareness seminar in support of Sardar Patel Institute of Public Administration (SPIPA), Navsari was held at GIDC Degree Engineering College on 8th July, 2016. The coordinator Mr. Jitu Bhoje of SPIPA Navsari centre, has given overview of SPIPA. The Navsari District Employment Officer, Mr. Nachiketa Dave discussed about basic function of the Employment Services which includes - Placement Services, Vocational Guidance, Employment Market Information Programme & implementation & Compulsory Notification of Vacancies Act, 1959, Extension Services like Self Employment motivation, Army Recruitment Camps etc. Our principal Dr K. N. Mistry shared his views and motivated our students for the public service opportunities. Ms Naitika Patel and Mr. Pratik Tailor, SPIPA Navsari also shared the dias in awareness seminar. The seminar was coordinated by Mr. Harshit Naik, Assistant Professor ASH department. The objective of the programme was driving the youth towards a career in the civil services IAS, IPS, IFS, IRS etc.

Women Empowerment Program

GIDC Degree Engineering College (GDEC) organized "HallaBol Season II" for Women Safety and Security on 22 August, 2016. The programme objectives was to spread awareness amongst the girl students for self-defense techniques and Indian Laws & Services regarding Women Safety and Security empower them. The information was provided about how to tackle the emergency situation, to get immediate help by a missed call/call on toll free no. 1091 i.e. Public Service Helpline 1091, registration form at policeheart.com. A digital presentation, were provided by Ms. Ruzan Khambhatta for the awareness of self-defense and Laws of women security and safety, and suggested to be fit physically to face unexpected situations. Total 90 girl students of institute participate in the event. The event was conducted Prof. Archana Nayak with help of Mrs. Amruta Naik, Mrs. Apexa Desai, Mrs. Anita Patel with the support of Wajra O Force Empowerment Foundation, Ahmadabad Police Department and Gujarat Technological



Engineeria Quiz Competition

On 22nd September 2016 a national level CAD competition "ENGINEERIA QUIZ COMPETITION" was organized by Mechanical Department for Mechanical, Civil and Automobile Engineering Students. More than 400 students were participated in the first round of the event. The competition was supported by CADD Centre, Valsad. Mr. Satyam Bhadoria from mechanical engineering was qualified for 3rd Round which was held on 14th October, 2016 at Ahmedabad. The competition was conducted by Dr. H. S. Patil,

Seminar for International Experience Programme at Russia

Students got the advantage by getting the below information: GTU's International program is, by far, the largest internationalization program, compared with such programs of universities in India. International Experience Program is an important component of the internationalization program along with joint research and exchange of students and Faculty Members. The representative from Ural Federal University (URFU), Russia discussed the curriculums at URFU. Upon successfully passing the exams at URFU, a student may be given credit for the course in 7th and 8th semester at GTU. The seminar was coordinated by Prof. Harshal G. Vashi of ASH department.



A seminar on Opportunities at Canada for GDEC Students after Graduation

Shri G. V. Shankar (Representative from Saskatchewan, Canada) explained our students regarding various opportunities in higher education at Canada and said Canada is the world's most educated country with over half of its residents being college graduates. Unlike back home, the Country does not have a central education system but is under the jurisdiction of each of its province. It is among the top three in the world in terms of spending per capita for public post-secondary education, as per the organizations for Economic Co-operation and Development (OECD). The seminar was coordinated by Prof. Harshal G. Vashi of ASH department.



A expert talk on Monetary Policy, Fiscal Policy and Banking

On 28 September 2016 our GES member CA Vinodchandra G. Desai & industrialist Shri Pankajsinh Thakor delivered a talk on Monetary Policy, Fiscal Policy and Banking to our students. The talk was arranged by Prof. Harshal G. Vashi.

FDP on Design Engineering

Two days Faculty Development Programme (FDP) on "Design Thinking Modules" was held during 18th-19th October. The main objective of this FDP was to promote the basic concepts of Design Thinking. In addition, this FDP has covered the whole Design Thinking process, suitable for all faculty members who want to acquaint with Design Thinking Methodology. In this FDP we had called the Expert Prof. Bhasker V. Bhatt from the SCET College, Surat. From the GIDC Degree Engineering College Prof. Nilesh Parmar from Civil Engineering Department, Prof. Harsal Vashi from ASH Department, and Prof. Brijesh Patel from Computer department has Co-ordinated this



GUJCOST Sponsored STTP @ GDEC

Modeling and Simulation of Mechanical Systems Using Solidworks

Mechanical Engineering Department organized a ONE WEEK SHORT TERM TRAINING PROGRAMME (STTP) On "Modeling and Simulation of Mechanical Systems Using Solidworks" during December 19 – 23, 2016. The programme was sponsored by Gujarat Council on Science & Technology, DST, Gandhinagar and supported by Khodiyar CAD Center (I) Pvt. Ltd., Ahmedabad. The training programme was coordinated by Dr. H. S. Patil and Dr. D. C. Patel with Co-Coordinator-Prof. M. R. Patel, Prof. H. B. Patel and Prof. D. R. Tandel. About 23 participants were participated in the programme from various institutes like Govt. Engineering College-Valsad, Laxmi Inst of Tech-Sarigam, S. S. Agrawal Inst of Tech-Navsari, C. K. Pithawala C.O.E. & T. Surat, Pacific School of Engineering-Palsana, etc. The objectives of the programme was to provide a current state of the art in modelling and simulation and how solidworks software supports the design of mechanical systems for engineers and designers.



Recent Trends of Mathematics in Science & Technology

Applied Science & Humanities Department organized One Week Short Term Training Programme on "Recent Trends of Mathematics in Science & Technology" during 2 to 6, January, 2016, sponsored by Gujarat Council on Science and Technology (GUJCOST). The main objectives of this STTP were to promote the application of Mathematics in various fields of engineering and provide a platform to participant to share their problems with experts. Total 34 Participants from several backgrounds had attained this STTP and got benefited from the expert lectures. The STTP was coordinated by Dr. Shailesh S. Patel, Professor and HOD, ASH Department, GIDC Degree Engineering College, Abrama, Navsari, with continuous support of co-coordinator Dr. Rajiv Kumar Singh and committee members Dr. Kaushal Thakar, Prof. Harshal G. Vashi, Prof. Harshit K. Naik, Prof. Megha K. Tailor, Prof. Mansi K. Desai, Prof. Nisha S. Parekh, Prof. Isita V. Panchal, Prof. Bijal K. Patel, Ms. Hetal Patel and Bhavin Patel.



Skill Up Gradation Centre (SUC) at GDEC

The Indian industry has a great need for trained manpower, who could quickly adapt to the demands of the industry. Manufacturing trend has made a quantum leap towards CNC (Computer Numerical Control) from conventional methods. Industry is in great need of professionals with thorough CNC Programming knowledge in India and Abroad. Keeping this in mind, the Gujarat Industrial Development Corporation (GIDC) has taken initiative steps to build a Skill Up-gradation Centre in Navsari District through the funding Rs 100Lacs from the Centre for Entrepreneurship Development, Government of Gujarat.

The goal of SUC is to generate self-employment in tribal youth of Navsari District of the state through advanced training and up-gradation of tiny scale units of production, manufacturing on CNC machines.

GIDC has allocated skill up gradation centre in Mechanical Engineering Department of GIDC Degree Engineering College, Abrama-Navsari a joint venture of GIDC.

The SUC trained manpower will directly get more opportunity for employability in industries. So mechanical engineering department has proposed following CNC machines for SKILL UP GRADATION CENTRE (SUC). The Centre is to be established under the leadership of Dr. H. S. Patil (Professor & Head of Mechanical Department) with team of Dr. D. C. Patel (Associate Professor & W/S In-charge), Prof. M.R. Patel, Prof. H. B. Patel, Prof. T. N. Patel

Technical/Research Skill Competition (GTU, South Zone)

The institute was organised the Technical / Research Skill Competition on dated 10th June 2016 for GTU-South Zone students. The students from various institutes like CKPCET-Surat, SCET-Surat, SSASIT-Surat, FETR-Isroli, MGITER-Navsari, S.S.Agrawal-Navsari, and LIT-Sarigam were participated in organised events. About 324 students in Technical Quiz, 319 students in Aptitude and 39 groups of students in Poster were participated. Mr. Naqwijvka Gilbert –Mechanical, Mr. Niles Achhimo, Computer, Mr. Rahul P Patel -Electrical were declared winner in Technical Quiz. Mr. Niles Achhimo, Computer was declared winner in Aptitude Quiz. Thakur Darshan, Patel Divyash from Electrical Department, Kyagaba David Kawere Joseph, Natwijuka Gilbert Beyendeza Cyprian, Patel Akash from Mechanical department, Rajesh Goswami, Patel Smit, Pathan Shahrukhkhan Komal Thoke From Civil winner in poster presentation. This technical event was coordinated by Dr.H.S.Patil and Dr.D.C.Patel in co-coordination with staff members Prof. Keyur Patel, Prof. Bhumika Patel, Prof. Ketan Lad, Prof. Rajan Lad, Prof. Dhiren Patel, Prof. Sandip Lad and Prof. Manali Shah

Indian institute of Engineer (I. E. I.)

Civil engineering student chapter of Indian institute of engineer (I.E.I.) will be started with 86 civil engineering members in which 84 students and 2 faculty members' Asst. Prof. Pritesh Rathod and Asst. Prof. Sunil Jaganiya. The vision of IEI is "An urgent need was felt to evolve the IEI vision to promote an environment to enable ethical pursuits of professional excellence for engineering fraternity in the country so as to provide leadership for serving the humanity in an inclusive manner. IEI vision document emphasises on 'functional areas' and 'key result actions' to fulfil the obligations specified in the objectives under the royal charter" Due to this chapter students got opportunities to gain and update knowledge and experience and access to information in a variety of engineering and technology disciplines through participation in seminars, symposia, conventions, workshops, etc. at national and regional levels. Also students access to know-how and ideas from corporate members of the institution about on-going R&D work in different engineering fields, use of latest technology, and demand of engineering jobs/services in the national and international level.

Testing & Consultancy at GDEC

Testing & Consultancy at GDEC is established with a basic aim to provide quality service for technical problems at reasonable and affordable rates as a service to society in general and Engineering fraternity in particular. During this academics year, institute provided following services to the various agencies

Computer Engineering Department

Department has facility agreement with Tata Consultancy Services (TCS) since 01-09-2014 and during this academic year department has crossed one more major milestone by signing up agreement with NSEIT, a 100% subsidiary of National Stock Exchange of India Limited (NSEIL). NSEIT is a global Technology Firm and with this tie-up GIDC Degree Engineering College will generate revenue through hosting various online examinations at the college campus.

Team Members: - (1) Archana Nayak (2) Kaushik Patel (3) Kaushal Kevadia (4) Brijesh Patel (5) Pankti Naik (6) Mihir Mishra (7) Kushal Patel (8) Avani Patel (9) Vibhuti Patel (10) Himanshu Patel (11)

Sr. No.	Name of Exam / Conducting Authority	Date/s	Revenue Earned (INR)
1	RRB NTPC	28 to 31-Mar-2016 & 02 to 07-Apr-2016 (10 Days)	252400
2	BOB (Prom)	23-Apr-2016	6420
3	NABARD	15-May-16	9720
4	UIICL	12-Jun-2016	23890
5	BOB	19-Jun-2016	5080
6	NABARD	10-Nov-2016	5780
7	BOB (Prom)	08-01-2017	5200
8	BOB (Prom)	15-01-2017	6740
Total			Rs. 3,15,230/-

Civil Engineering Department

Name of Faculty	Title	Agency	Period	Grant Mobilized (in Rs)
Vikunj K. Tilva Nilesh R. Parmar Sunil V. Jaganiya Pritesh R. Rathod	Stability Inspection Work for Building in GIDC Vapi and Sarigaam.	GIDC VAPI	10/10/2016	10.25 lac.
Vikunj K. Tilva Sunil V. Jaganiya	Estimation Costing of Automobile DEPT.	Automobile DEPT.	Jan 2017	

Mechanical Engineering Department

Name of Faculty	Title	Agency	Period	Grant Mobilized (in Rs)
Dr. H. S. Patil Dr. D. C. Patel Prof. M. R. Patel Mr. Hitesh Patel	Value Adding Training Course on Solidworks	Mechanical/Automobile engineering students and industry participant	05/12/2016 - 17/12/2016	1,00,000/-

GTU Innovation Council, Navsari Sankul Meeting

The meeting of GTU Innovation Sankul was held on 10th June, 2016 at GIDC Degree Engineering College, Navsari from 11:00 pm to 4:00 pm. Meeting was chaired by Dr. K. N. Mistry, Principal, GIDC Degree Engineering College, Navsari (Dean, GTU zone 5 and Cochairman, Navsari Innovation Sankul). In the meeting, Dr. Nidhi Arora, Director, GTU, Ahmedabad & Ms. Vidya Chauhan, Administrative Assistant, VC Office Gujarat Technological University, Shri N. R. Dave, District Employment Officer, Navsari, Dr. A. K. Dave, Dr. D. G. Naik & CA V. G. Desai, Members, GIDC Education Society, Gandhinagar were present. From industry, Mr. Hashmukhbhai Shah (Chairman Sub Committee, Textile/ Railway/ Skill Development & DRUCC Member, W-Rly, Mumbai Division), Mr. NSK Srinivasan (Ex. G.M., Atul Limited, Valsad), Mr. H. R. Tailor (UMTA Managemet & Texstyles Academy, Vapi) Mr. Pankaj Trivedi & Mr. Harish Panchal (Members, Surat Engineering Vikas Association), Mr. Anand Mistry (Director, Aspire Designs), Mr. Parthiv Desai (Director, Protecon BTG Pvt. Ltd.) were present in the meeting. Dr. K. N. Mistry welcomed all the dignitaries. After that an open floor discussion was carried out. Dr. D. G. Naik shared some real life example and motivated students to lighten the lamp of innovation. CA V. G. Desai shared knowledge regarding the need of industries and expectations from academics. Dr. Nidhi Arora also shared some research experiences and insisted all faculty members to attend Faculty Development Programs conducted at Gujarat Technological University. Shri N. R. Dave explained the role of engineering colleges in the improvement of society and shared current employment scenario of Gujarat State. Mr. Anand Mistry discussed about various software to be utilized for Mechanical and Automobile Design. Mr. Parthiv Desai discussed about skill Development of Engineering students to minimize industry academia gap. After this, Prof. Harshal G. Vashi, Assistant Professor, GIDC Degree Engineering College & Prof. Aashish K. Desai, Assistant Professor, Faculty of Engineering Technology & Research, Bardoli also presented the activities to bridge the gap between industries and academia. More than 100 students were sent for industrial training. Prof. Harshal Vashi, Assistant Professor, GIDC Degree Engineering College concluded the meeting with a vote of thanks.



Training and Placement Cell

The Training and Placement Cell (T & P Cell) facilitates the process of placements for graduate students at the institute, besides collaborating with prominent organizations in setting up of internship and training program of students. The placement policies and other related activities are handled by Training & Placement Cell, assisted by Professor In-charge. Placement Committee is closely co-opted in implementing these policy decisions. The process of coordination with recruiters is handled by the T & P Cell. The companies are encouraged to communicate with Training & Placement Officer for initial discussions and subsequent communication.

Job offers, dates of interviews, selection of candidates etc. are announced through the Training & Placement Office.

The T & P Cell office is well equipped to support all placement procedures including Pre- Placement Talk, interviews and group discussions.

Facilities available at T&P Cell:

- Seminar Hall and lecture theatres for PPT.
- Well-equipped discussion rooms for interviews and group discussions.
- IT support for placement activities.

Activities of Training & Placement Cell

- Organized Navsari Innovation Sankul Meeting at GIDC Degree Engineering College on 10th June, 2016
- Organized Three Days "Entrepreneurship Awareness Camp" at GIDC Degree Engineering College in association with Centre for Entrepreneurship Development, Gandhinagar during 22-24 July, 2016
- Organized One Day Workshop for Training & Placement (Invited Consultant: iTeknika Services & Solutions, Pune) on 13th August, 2016
- Organized a Seminar on Opportunities at Canada for GDEC Students after Graduation on 7th October, 2016. (Invited Speaker: Shri G. V. Shankar)
- Organized a Seminar for International Experience Programme at Russia on 22nd September, 2016.

Placement at GDEC

Sr. No.	Name of Recruiter	Name of Selected Student	Branch
1	Meta Tree System Pvt. Ltd., Surat	Patel Pinkal	Computer Engineering
2	Softyoug Solutions, Vapi	Rashmika Gajjar, Nikhil Rana, Krupal Patel, Janak Parate, Yash Naik, Akshta Ramakhyani, Lakhan Vachani, Deep Patel, Vyanjana Patel, Poshya Piyush, Ladani Nikunj	Computer Engineering
3	SSM InfoTech Solutions Pvt. Ltd., Surat	Vaibhav Patil	Computer Engineering
4	Peacock Technologies, Surat	25 Students Registered Result Awaiting	Computer Engineering
5	Mango Software, Navsari	25 Students Registered Result Awaiting	Computer Engineering
6	BosLeo Technology Pvt. Ltd, Valsad	Sachin Aghera	Computer Engineering
7	La Net Team Software Solutions Pvt. Ltd., Surat	15 Students Registered Result Awaiting	Computer Engineering
8	S.S. Infrastructure, Surat	Jitendra Purohit, Mayank Gupta, Mustafa Ghasia, Dharmik Gondaliya, Dhule Bhavini Ganesh	Civil Engineering
9	HLE Engineers Pvt. Ltd., Maroli	Patel Vicky Bharatbhai Lakdawala Karn Kalpeshbhai	Mechanical Engineering

Training & Placement Team : Prof. Harshal G. Vashi, Dr. Dilip C. Patel,, Prof. Nilesh R. Parmar, Prof. Ashish O. Jain, Prof. Hardik Tandel, Prof. Rajan J. Lad, Prof. Kaushal T. Kevadia, Prof. Pankti Naik, Prof. Dhruvang Gayakwad, Prof. Khyati Naik, Prof. Mayur R. Patel, Ms. Jigna J. Desai

Workshop Programme @ GDEC

- Mechanical Engineering Department organized a training course for mechanical /automobile engineering students and industry participant on **"Value Adding Course on Solidworks Training"** from 5th - 17th December 2016 for 100 hours duration. The training course was conducted as a part of consultancy work in CAD Lab on Solid works software. The training course covered the content- Solidworks Sketch Modelling, Advanced Part Modelling, Advanced Assembly Modelling Surface Modelling, Sheet Metal, Mould Design, Weldments, Drawings, Solidworks FEA Simulations Solidworks Flow Simulations and Solidworks Motion Simulations. About 20 participants were participated in training. The faculties associated with the work were Dr. H. S. Patil, Dr. D. C. Patel, Prof. M.R. Patel and Mr. Hitesh Patel.



- Automobile Engineering Department had organized a seminar on **"SAE INDIA"** presented by Dr.Sudhir Gupte (H.O.D. at Automobile Engineering Dept. A. D. Patel Institute of technology, New Vallabh Vidyanagar) on 7th September, 2016. All the students and faculties of Automobile Engineering Dept. had attended this seminar. It was a useful and informative seminar for the students as well as for faculties regarding SAE INDIA (Society of Automobile Engineers India) Club and also about SAE BAJA 2016 event (Intercollegiate design competition run by SAE in which Teams of students from universities all over India design and build small off-road cars).



OSTC WORKSHOP

Workshop Name	Year/Semester	Date	No. of Participant
LibreOffice suite Calc	BE-II, Semester - III	16 July, 2016	52
PHP & MySQL	BE-IV, Semester-VII	22 August, 2016	49
Java & Net Beans	BE-III, Semester - V	09 Sept, 2016	42

Patron	Organizer	Coordinator	Lab Assistant
Dr. K. N. Mistry	Prof. Archana Nayak	Prof. Mihir Mishra	Mr. Nilesh Patel

GIDC Degree Engineering College, Abrama has established Open Source Technologies Club (OSTC) through a tie up with Spoken Tutorial Team - IIT Bombay & GTU. With the initiative under OSTC, Computer Engineering Department successfully organized following workshops for the students:



Workshop Programme @ GDEC

Android Workshop

3 days workshop on Introduction to Android Application Development was conducted by Computer Engineering Department for 4th year students during 8th -10th December 2016. All faculties of Computer Engineering Department along with Lab Assistants attended this workshop. In addition, 38 students of final year had taken part in this workshop. Workshop was coordinated by Department HOD, Prof. Archana Nayak. She has inaugurated workshop with brief information about Android and other mobile languages. Prof. Kaushik S. Patel, Prof. Brijesh U. Patel, Prof. Kushal D. Patel, Prof. Tejas B. Patel, Prof. Pragnesh Patel had delivered lectures on various topics regarding Android Applications.



A workshop on "Circuit simulation & PCB Design"

Organized by: Prof. Ketan K. Lad, Prof. Dhaval K. Patel, Prof. Rohit B. Damor and Prof. Khyati K. Naik during 2nd & 3rd September, 2016



Workshop on "Industrial Electrical Engineering"

Conducted by: GDEC Electrical Department & RAHAT Electric Works Organised By: Prof. Dhaval K. Patel (GDEC Electrical Dept.) & Shaikh Ayub (Rahat Electric Works) during 16th -



Lord Ganesha @ GDEC

On 5th September, i.e. Ganesha Chaturthi, Ganesha idol was implanted at Civil Engineering Department of our college. During this, students as well college staff participated in various religious rituals. On, 11th September, Ganesha Visarjana was held.



Navratri Celebration



Vishwakarma Yojana

The aim of this project is "Developing village with a 'rural soul' but with all urban amenities that a city may have"

It will provide urban amenities in rural areas and maintaining the rural soul. This will help in developing villages in sustainable manner; reduce migration from villages and prevent the cities from the urban Pressure. In this project 8 students of Civil and 6 students of Electrical engineering



of final year are involved under the guidance of Prof. Sunil V. Jaganiya (Civil Dept.) and Prof. Ketan Lad (Electrical Dept.). In this project students are getting realistic work of field with financial benefits of Rs.24,000/- per year as a stipend from Government of Gujarat with field knowledge.

Enrolment No	Name of Students	Branch	Guided By
131100106002	Bhungariya Hemanshu Jayeshkumar	Civil Engineering Department	Asst. Prof. Sunil Jaganiya
131100106006	Desai Vivek Nareshbhai		
131100106044	Raithatha Madhav Ketankumar		
131100106058	Rathod Vivek		
131100106023	Panchal Hemik Viralbhai		
141103106002	Jani Akshaykumar Bharatbhai		
121100106018	Shah Yash Hirenbhai		
141103106004	Patel Ankitkumar Thakorbhai		
131100109048	Prajapati Hardikkumar Maheshbhai	Electrical Engineering Department	Asst. Prof. Ketan Lad
131100109024	Parmar Umang Nareshbhai		
131100109038	Patel Niraj Vijaykumar		
131100109023	Pakhariya Vishwa Sureshchandra		
131100109016	Marathe Pankajbhai Rajubhai		
131100109028	Patel Dhrupad Yogesh		

Vibrant Gujarat Global Summit-2017

First of all GIDC Degree Engineering College would like to thanks Smt. D. Thara I.A.S., Vice Chairman & Managing Director Gujarat Industrial Development Corporation, Gandhinagar and Chairman, GIDC Education Society for providing opportunity to GIDC Degree Engineering College to showcase the activities carried out at Institute. From GIDC Degree Engineering College, Prof. Harshal G. Vashi and Prof.



Nilesh R. Parmar had explored the opportunities for institute in the

field of consultancy and training and placement. They have also presented various activities carried out by institute among political leaders, government officers, visitors and exhibitors of Vibrant Gujarat Global Summit 2017. Vibrant Gujarat Global Summit 2017 was a Business Platform showcasing over 25 Sectors, Over 2000 companies participation, over 2 Million

visitors, over 2500 international delegates and International representations from over 100 countries. Due to participation in Vibrant Gujarat Global Summit, many entrepreneurs are ready to join hands with us for consultancy work as well as for training and placement.



Switch Global Expo 2016

The faculty members & students of GIDC Degree Engineering College from Electrical, Mechanical, Civil, Automobile and Computer department had visited the SWITCH GLOBLE EXPO-2016 at Vadodara on 8th & 10th October 2016. It was a good experience that different types of companies gathered at one place to show their innovative ideas. Students had observed lots of practical equipment which is very expensive and rare to see. At expo, experts explained their ideas in the easiest way so that students can easily understood and explore it into their project. Lots of technical topics were covered in this expo especially from electrical stream it was very useful. In Electrical lots of concepts are difficult to understand due to equipment's are not available to show due to their cost and size consideration.

This expo represents one of the biggest networks of electrical manufacturers, innovators, technologies and partners in the industry promoted by the Government of Gujarat, under Gujarat Urja Vikas Nigam Limited, this biennial platform is aimed to rev up India's power sector. Switch has one of the widest product range seen in such expos and will have the assured presence of over 8,500 key buyers and over 1,00,000 visitors. Switch represents a growth opportunity unlike any other for the electrical industry.



Workshops & Seminar Attended/ Participated

Faculty Name	Event Name	Organized By	Date/Month
Prof. Harshal G. Vashi	One Day Workshop on Quality Research for Ph.D. and M.Tech. Students of GTU	GTU, Ahmedabad	5th March, 2016
Prof. Dhruvang Gayakwad	Workshop on "Power system stability analysis"	Uka Tarsadiya University, Bardoli	11th-12th March, 2016
Prof. Mansi K. Desai Prof. Megha K. Tailor Prof. Harshit K. Naik	A Workshop on " An Application of Ordinary Differential Equation in Science and Engineering"	CGPIT (Maliba), Bardoli	4th April, 2016
Nilesh R. Parmar	Attended workshop on "Role of design in Make in India & Start up India"	GTU & CPDM Iisc Bangalore	9th April 2016
Sunil V. Jaganiya	Attended the "Ambuja workshop on Supervising concrete"	NAVSARI	24th-25th June 2016
Prof. Mayur J. Jalanapurkar	"Emerging Research and Advances in Solar Thermal Applications"	Gujarat Power Engineering and Research Institute, Mewad, Mehsana	24th & 25th June, 2016
Prof. Ankur Desai	Workshop on "Basic of Arduino and its application"	Pacific school of Engg. College, Surat	1st and 2nd July, 2016
Prof. Harshal G. Vashi	Two days workshop on "Training of Trainers" at Sardar Patel Institute of Public Administration, Ahmedabad	Training Division, Department of Personnel and Training, New Delhi, Government of India.	18th-19th July, 2016
Prof. Dhaval K. Patel (GDEC ELECTRICAL DEPT.) & ShaikhAyub(RAHAT ELECTRIC WORKS)	Workshop on "Industrial Electrical Engineering"	GDEC, Navsari	16th - 18th & 30th July, 2016
Prof. Dhruvang Gayakwad	Entrepreneurship awareness camp in collaboration with " Centre for entrepreneurship development" (CED), Govt.of Gujarat	GDEC, Navsari	22nd to 24th July, 2016
Prof. Ankur Desai	Workshop on "A comprehensive approach to Electrical system Design"	SSASIT, Surat	6th August, 2016
Prof. Ketan K. Lad Prof. Dhaval K. Patel Prof. Rohit B. Damor Prof. Khyati K. Naik	Workshop on "Circuit simulation & PCB Design"	GDEC, Navsari	2nd & 3rd September, 2016
Prof. Harshal G. Vashi	A workshop Phase-I on " Unmet Social Need as Drivers of Innovation"	GTU, Ahmedabad	22nd November, 2016
Prof. Harshal G. Vashi	A workshop Phase-II on "Ideation Strategy for Creative Innovation"	GTU, Ahmedabad	20th December, 2016
Prof. Brijesh Patel Prof. Kaushal Kevadia	Centre for Entrepreneurship Development (CED)	GIDC Degree Engineering College, Abrama	2 days
Nilesh R. Parmar	Attended workshop on "Unmet Social Needs as Drivers of Innovation"	GTU	22nd November, 2016

Faculty Name	Event Name	Organized By	Date/Month
Prof. Sunil Khokhar	Unmet social needs as drivers of innovations by prof. Anil Gupta	IIM- Ahmedabad	22nd November 2016
Prof. Dhaval K. Patel	Workshop On "Unmet Social Needs As Drivers Of Innovations"	Gujarat Technological University, Chandkheda	22nd November 2016
Nilesh R. Parmar	Attended workshop on "Ideation Strategy for Creative Innovation"	GTU	20th December, 2016
Mamta D. Patel	Workshop on Bhuvan Panchayat Portal and Mobile application for asset mapping	IIRS DISTANCE LEARNING (CK-PCET, SURAT)	
Archana Nayak Kaushik Patel Kaushal Kevadia Hetal Patel Brijesh Patel Bhumika Patel Pankti Naik Mihir Mishra Vibhuti Patel Avani Patel Kushal Patel Tejas Patel	Introduction to Android Application Development	GIDC Degree Engineering College, Abrama	8th – 10th December, 2016 (3 days)
Kaushal Kevadia Kushal Patel	Awareness on Smart India Hackathon 2017	AICTE	13 December, 2016 (1 day)
Prof. Ketan K. Lad	Workshop On "Ideation strategy for creative innovation"	Gujarat Technological University, Chandkheda	20th December, 2016
Prof. Sunil Khokhar	Ideation strategy for creative innovation by prof. Anil Gupta	IIM- Ahmedabad	20th December 2016
Prof. Bhavin S. Trivedi Prof. Dhruvang Gayakwad	Workshop on "Control Of Electrical Drives"	GDEC, Navsari	20th - 21st January, 2017
Prof. Harshal G. Vashi	International Seminar on "Designing a New MBA Program for GTU."	GTU, Ahmedabad	14th March, 2016
Prof. Nisha S. Parekh	IACS Sponsored National Seminar on Canadian Studies	UGC HRDC, Gujarat University, Ahmedabad & Indian Council of Literary, Social, Educational and Cultural Research.	24th July, 2016

STTPs & FDP Attended/Participated

Faculty Name	Event Name	Organized By	Date/Month
Prof. Dhruvang Gayakwad	STTP on " Hands On :Mathematical modelling and software simulation for power system engineering"	SVNIT, Surat	6th June-15th June, 2016
Prof. Bhavesh S.Patel Prof. Dhaval K. Patel	STTP, "Application of Power Electronics to Power System"	SCET, Surat	13th June -17th June, 2016
Prof. Archana M. Nayak Prof. Kaushik S. Patel	Big Data Analytics (BDA 2016)	Computer Engineering Department, SVNIT, Surat	27th June - 1st July, 2016 (5 days)
Prof. Sunil Khokhar	"Fundamentals of Energy management and application" SVNIT, Surat, Gujarat	TEQIP-II	10-14 October, 2016
Prof. Hetal Patel Prof. Bhumika Patel	Ethical hacking and information security	Electronics and communication Engineering department, SCET, Surat.	30th September to 2nd October 2016
Prof. Ankit K. Patel Prof. Arpit D. Panchal	"Recent Trends of Mathematics in Science & Technology (RTMST-2017)"	Applied Sciences & Humanities Department (GIDC Degree Engineering College, Abrama)	02-06 December, 2016
Prof. Dhaval K. Patel Prof. Bhavin S. Trivedi	STTP, "Advances In Electrical Machines."	SVNIT, Surat	12th to 16th December 2016
Prof. Kaushik S. Patel Prof. Kaushal T. Kevadia	Advance in Big Data Analytics	Computer Engineering Department, SVNIT, Surat	12th-16th December, 2016
Prof. Toral V. Patel Prof. Ashish Jain Prof. Ankit K. Patel Prof. Arpit D. Panchal Prof. Mayur J. Jalanapurkar	"Modeling and Simulation of Mechanical Systems Using Solidworks"	Mechanical Engineering Department (GIDC Degree Engineering College, Abrama)	19-23 December, 2016
Prof. Vikunj K. Tilva Prof. Sunil V. Jaganiya Prof. Pritesh R. Rathod	Attended QIP Short term course on "Recent Advances in Concrete Technology and Materials"	S.V.N.I.T, SURAT	19th-24th December, 2016
Prof. Anant B. Lad Prof. Keyur C. Patel Prof. Bruhad S. Naik Prof. Mayur V. Goti Prof. Harsh R. Naik Prof. Tarun N. Patel Prof. Jadeja Kuldeepsinh Prof. Akash A Patel	Participated in One Week STTP on "Modeling and Simulation of Mechanical Systems Using Solid Works"	GDEC, Abrama, Navsari	19 - 23, December 2016
Prof. Kaushal Thakkar Prof. Mansi K. Desai Prof. Megha K. Tailor Prof. Harshit K. Naik Prof. Bijal K. Patel	STTP on " Recent Trends of Mathematics in Science and Technology"	GIDC Degree Engineering College, Navsari.	2nd- 6th January, 2017
Prof. Mamta D. Patel Prof. Sunil V. Jaganiya Prof. Pritesh R. Rathod	Attended sttp on "Recent trends of mathematics in science and Technology"	GIDC, NAVSARI	2nd to 6th January 2017

Faculty Name	Event Name	Organized By	Date/Month
Archana Nayak Kaushik Patel Kaushal Kevadia Hetal Patel Brijesh Patel Bhumika Patel Mihir Mishra Vibhuti Patel Avani Patel Kushal Patel Tejas Patel	Recent Trend of Mathematics in Science & Technology (RTMST)	GIDC DEGREE ENGINEERING COLLEGE, ABRAMA	2nd – 6th January, 2016 (5 days)
Prof. Pragnesh Patel	Design Engineering	GTU	19-22 February, 2016
Prof. Ankur Desai	FDP on "PLC and SCADA"	SCET, Suart	13-18 June, 2016
Vikunj K. Tilva Nilesh R. Parmar Sunil V. Jaganiya Pritesh R. Rathod Rajankumar J. Lad Mihirkumar B. Naik Mehul K. Gamit Manali S. Shah Mamta D. Patel Yamini J. Kanthariya Krutika A. Chauhan Nimit J. Raval Jaldip J. Patel Fenil R. Gandhi Mittal G. Mistry Nafisa D. Shaikh	Participated in FDP on Design Thinking modules	GIDC NAVSARI	18th-19th October, 2016
Archana Nayak Kaushik Patel Kaushal Kevadia Hetal Patel Brijesh Patel Bhumika Patel Pankti Naik Mihir Mishra Vibhuti Patel Avani Patel Kushal Patel Tejas Patel	Design Thinking Modules	GIDC DEGREE ENGINEERING COLLEGE	18th – 19th October, 2016 (2 days)
Dhaval K. Patel Ketan K. Lad Jay Desai Dhruvang Gayakwad Rajesh T. Patel Ankur Desai Bhaves S. Patel Bhavin S. Trivedi	Faculty Development Program on "Design Engineering"	GDEC, Navsari	18th - 19th October 2016

Research Publication in Conferences/journals

International Conferences / journals

Faculty Name	Title of Paper	Journal/Conference	Date/Month
Prof. Nisha S. Parekh	A Clash of Social Reality and Culture: A Study of the Selected Novels of Bharti Mukhrjee with Socio-cultural Aspects	Langlit: An International Peer-reviewed Open Access Journal	June, 2016
Prof. Nisha S. Parekh	A Comparative Study of Khuswant Sings Train to Pakistan and It's Film Version"	Langlit: An International Peer -reviewed Open Access Journal	November, 2016
Prof. Nisha S. Parekh	Multi- Facets of Women in ShobhaDe'sSnapshots and Starry Nights	The Criterion: An International Journal in English	October, 2016
Dr. Kaushal K. Thakkar	Magnetic Moments of Baryons containing all heavy quarks in Quark-Diquark Model	The European Physical Journal Plus. Springer Publications	2016
Dr. Kaushal K. Thakkar	Excited State Mass spectra of Singly Charmed Baryons	The European Physical Journal	2016
Dr. Kaushal K. Thakkar	Excited State Mass spectra of doubly heavy baryons	The European Physical Journal C. Springer Publications	2016
Dr. Kaushal K. Thakkar	Mass spectra and Regge trajectories of Λ_c , Σ_c , Ξ_c and Ω_c Baryons	Chinese Physics C 40: 123102. Institute of Physics (IOP) Publications	2016
Dr. Kaushal K. Thakkar	Excited State Mass Spectra of Ω_c Baryon	Journal of Physics: Conference Series 759: 012076. Institute of Physics (IOP) Publications	2016
Dr. Kaushal K. Thakkar	Excited state mass spectra of baryon	American Institute of Physics (AIP) Conf. Proc. 1728, 020096	2016
Dr. Kaushal K. Thakkar	Magnetic Moments of Triply Heavy Baryons in Quark-Diquark Model	DAE-BRNS Symposium on Nucl. Phys. Held at Saha Institute of Nuclear Physics, Kolkata 61, 710	2016
Dr. Kaushal K. Thakkar	Regge Trajectories of Ξ_{bb} baryon in (n, M ²) and (J, M ²) planes	DAE-BRNS Symposium on Nucl. Phys. Held at Saha Institute of Nuclear Physics, Kolkata 61, 674.	2016
Dr. Kaushal K. Thakkar	Spectroscopy and decay properties of baryons in quark-diquark model	Chinese Journal of Physics 54: 495-502. Elsevier Publication	2016
Dr. Shailesh S. Patel	The Study of Longitude Dispersion Phenomenon in Flow Problems Through Laplace Transform Technique	IJRDO- Journal of Mathematics	July, 2016
Prof. Mansi K. Desai Dr. Shailesh S. Patel	A solution of Fluid Flow Through Porous Medium Equation by Homotopy Perturbation Transform Method	International Research Journal of Engineering and Technology (IRJET)	July, 2016
Prof. Megha K. Tailor Dr. Shailesh S. Patel	An Analytical Solution of Porous Medium Equation by Similarity Transformation	International Research Journal of Engineering and Technology (IRJET)	July, 2016

Faculty Name	Title of Paper	Journal/Conference	Date/Month
Prof. Ishita V. Panchal	The Impact of Job Satisfaction while Performing Responsibilities	International Research Journal of Engineering and Technology (IRJET)	July, 2016
Prof. Harshal G. Vashi	Employee Conflict towards organizational change	Imperial Journal of Interdisciplinary Research (IJIR)	October, 2016
Prof. Ankit Patel Prof. Arpit Panchal Prof. Toral Patel	Heat Transfer Analysis of Damping Fluid Using Shock Absorber Test Rig.	International Journal of Scientific Review in Engineering and Technology (IJSRRET)	July-Aug, 2016
Prof. Sunil R Khokhar	Effect of Length on Sound Reduction of the Expansion Type Muffler by Experiment and Flow Simulation	IJSRD-International Journal for Scientific Research & Development	Sept.-2016
Prof. Mayur J. Jalanapurkar	Experimental Analysis of Indicated Thermal Efficiency of 4-Stroke Single Cylinder C.I Engine with blending of Mahua Oil & Diesel	IJEDR International Journal of Engineering	July- 2016
Vikunj K. Tilva	Seismic Assessment of masonry wall as equivalent diagonal strut in RC frame building	Global Research and Development (GRD) Journal	March-2016
Rajan J. Lad	Economic evaluation of pavement:using coconut coir	International Journal of Advanced Engineering & Research Development	May-2016
Kushal Patel Nilesh Patel	Software Defined Networking: Architecture, Application, Issues and Challenges	International Journal of Computer and Mathematical Sciences	May, 2016
Patel Pragnesh Mihir Mishra Patel Kushal Patel Vibhuti Pankti Naik	Android Applications with Secure Coding	International Journal of Science and Engineering Development Research	June, 2016
Patel Vibhuti Patel Avani Patel Kushal Mihir Mishra Patel Pragnesh	An extended k-means clustering with genetic algorithm & min-max approach	International Journal for Scientific Research and Development	June, 2016
Avani Patel Vibhuti Patel Kushal Patel Mihir Mishra Pragnesh Patel	Software defined network: A new approach	International Journal of Science Technology and Engineering	June, 2016
Kushal Patel Mihir Mishra Pragnesh Patel Avani Patel Vibhuti Patel	Investigating approach for privacy preserving traffic surveillance	International Journal of Advance Engineering and Research Development	June, 2016
Mihir Mishra Pragnesh Patel Kushal Patel	Tumor Location and Size Identification in brain tissues using fuzzy c Clustering and Artificial Bee Colony Algorithm	international journal of Engineering Development and Research	June, 2016
Mihir Mishra	Recommendation System Using Web Data Mining	International Journal for Science and Advance Research in Technology	June, 2016

Faculty Name	Title of Paper	Journal/Conference	Date/Month
Archana, M. Nayak Kaushik S. Patel Kaushal T. Kevadia Brijesh U. Patel	Survey on Several Data Hiding Scheme for Encrypted Image by Reserving Space	International Journal for Innovative Research in Science and Technology	June, 2016
Archana, M. Nayak Kaushik S. Patel Kaushal T. Kevadia Brijesh U. Patel	A Modified Ant Colony Optimizer to Solve a Variant of Dynamic TSP	International Journal of Science Technology & Engineering International 2349-784X 3.905	June, 2016
Bhumika Patel Hetal Patel Viral Patel	Scrutiny on ARM Techniques	International Journal of Advance Engineering and Research Development	December, 2016
Prof. Ketan K. Lad	Design Low cost smart card based Prepaid energy meter	International Journal of Science Technology and Engineering (IJSTE)	May-2016
Prof. Ketan K. Lad	Analytic Different Apporach of MatemacticalModeling and Simulation of the DC Motor using Matlab-Simulink	International Journal of Computer & Mathematical Sciences (IJCMS)	October 2016
Prof. Ketan K. Lad	Analytic Different Apporach of MatemacticalModeling and Simulation of the DC Motor using Matlab-Simulink	6th International Conference on Innovative Research in Engineering Science and Management	9th October 2016
Prof. Dhaval K. Patel	Design Low cost smart card based Prepaid energy meter	International Journal of Science Technology and Engineering (IJSTE)	May-2016
Prof. Dhaval K. Patel	Analytic Different Apporach of MatemacticalModeling and Simulation of the DC Motor using Matlab-Simulink	International Journal of Computer & Mathematical Sciences (IJCMS)	October 2016
Prof. Dhaval K. Patel	Analytic Different Apporach of MatemacticalModeling and Simulation of the DC Motor using Matlab-Simulink	6th International Conference on Innovative Research in Engineering Science and Management	9th October 2016
Prof. Rohit B. Damor	Design Low cost smart card based Prepaid energy meter	International Journal of Science Technology and Engineering (IJSTE)	May-2016
Prof. Rohit B. Damor	Analytic Different Apporach of MatemacticalModeling and Simulation of the DC Motor using Matlab-Simulink	International Journal of Computer & Mathematical Sciences (IJCMS)	October 2016
Prof. Rohit B. Damor	Analytic Different Apporach of MatemacticalModeling and Simulation of the DC Motor using Matlab-Simulink	6th International Conference on Innovative Research in Engineering Science and Management	9th October 2016
Prof. Khyati K. Naik	Design Low cost smart card based Prepaid energy meter	International Journal of Science Technology and Engineering (IJSTE)	May-2016
Prof. Khyati K. Naik	Analytic Different Apporach of MatemacticalModeling and Simulation of the DC Motor using Matlab-Simulink	International Journal of Computer & Mathematical Sciences (IJCMS)	October 2016

Faculty Name	Title of Paper	Journal/Conference	Date/Month
Prof. Khyati K. Naik	Analytic Different Approach of Mathematical Modeling and Simulation of the DC Motor using Matlab-Simulink	6th International Conference on Innovative Research in Engineering Science and Management	9th October 2016
Prof. Bhavesh S. Patel	Published Research paper on "Reactive Power Compensation by Facts Thyristor Switched Reactor (TSR) Using Microcontroller	International Journal of Engineering Research & Management(IJERM)	September 2016
Prof. Bhavesh S. Patel	Study different types of power quality problems in Power system and custom power device dynamic voltage Restorer (dvr) for power quality improvement	7th International Conference on Recent Innovations in Science, Engineering and Management	September 2016
H. S. Patil C. S. Patil H. G. Patil	Experimental Investigation of Hardness of FSW and TIG joints of Aluminium Alloys of AA7075 and AA6061	Journal Fratturaed Integrità Strutturale (Fracture and Structural Integrity)	July 2016
H. S. Patil C. S. Patil H. G. Patil	Investigation of weld defects in similar and dissimilar friction stir welded joints of aluminium alloys of AA7075 and AA6061 by X-ray Radiography	American Journal of Materials Engineering and Technology (Vol. 4, No. 1, 2016)	April 2016
Dr. D.C. Patel	Holistic Analysis approach and Design improvement for Crane Sheave Early Failure	International Journal of Science Technology and Engineering	April, 2016
Dr. D.C. Patel	Design and Development of Kenics Static Mixer for single phase CCG and Naphtha Mixing at Oil, Terminal,	international Journal for Scientific Research and Development	September,2016
Dr. D.C. Patel	Design of E Glass Fibre Reinforced [Plastic Pressure Vessel Design as per ASME Sec X	International Journal for Innovative Research in Science & Technology	October,2016

National Conferences / Journal

Faculty Name	Title of Paper	Journal/Conference	Date/Month
Nilesh R. Parmar	Replacement of Melt Densified light Weigh Plastic Aggregate with natural Aggregate.	National conference on RACEGS-2016 / also Global Research and Development (GRD) Journal	March-2016
Manali S. Shah Nilesh R. Parmar	Design Engineering-A tool leading to review of seawater desalination Techniques.	National conference on RACEGS-2016 / also Global Research and Development (GRD) Journal	March-2016
Nilesh R. Parmar	High Strength Concrete With Pond ash as partially Replaced by Fine Aggregate and fine fly ash, Alccofine as Cement.	National conference on RACEGS-2016 / also Global Research and Development (GRD) Journal	March-2016
Nilesh R. Parmar Manali S. Shah	Enhancement Implementation design as design thinking.	National conference on RACEGS-2016 / also Global Research and Development (GRD) Journal	March-2016



Faculty Name	Title of Paper	Journal/Conference	Date/Month
Manali S. Shah	Evaluation of sediment transport function using different fall velocity equations	National conference on RACEGS-2016 / also Global Research and Development (GRD) Journal	March-2016
Sunil V. Jaganiya Pritesh R. Rathod	Experimental study on the Enhancement in concrete due to Ultra-fine particles	National conference on RACEGS-2016 / also Global Research and Development (GRD) Journal	March-2016
Sunil V. Jaganiya	Structural health monitoring using piezometric smart aggregates	National conference on RACEGS-2016 / also Global Research and Development (GRD) Journal	March-2016

- **Dr. H. S. Patil** nominated as member in Research & Recognition Committee in Mechanical Engineering under the Faculty of Engineering & Technology, North Maharashtra University, Jalgaon, Maharashtra.
- **Dr. D.C. Patel**, Asso. Prof. Mechanical department delivered Expert lecture on "Application of Mathematics in Robotics" at STTP on "Recent trends of Mathematics in Science and Technology" organized by Applied Sciences and Humanities Department at GIDC Degree Engineering College, on 6th January, 2017.
- **Dr. Shailesh S. Patel, Prof. Harshal Vashi & Prof. Harshit K. Naik** Successfully completed "Training of Trainers" during 18th & 19th July 2016 at Sardar Patel Institute of Public Administration, Ahmadabad, organized by Department of Personnel and Training, Training Division, Government of India.
- **Prof. Harshal G. Vashi & Dr. Kaushal K. Thakkar** Host as Jury Member at District Level Science Fair held at R.D. Patel High School, Kabilpore, Navsari on 7th September, 2016.
- **Prof. Harshal G. Vashi**
 - Performed the duty of Judge and Expert at Visvesmruti-2K16 – A State Level Techfest organized by Faculty of Engineering Technology and Research, Bardoli during 16th & 17th September, 2016.
 - Book entitled "Instrumentation & Control System for Combined Cycle Power Plant: An Operations Management Perspective" got published in The Lambert Academic Publishing, Germany. ISBN: 978-3-659-95327-9).
 - Book entitled "Stress Management: Special Reference to Bank Employee" got published in The Lambert Academic Publishing, Germany. ISBN: 978-3-659-95180-0).
 - Delivered an expert talk on Project Management with Pert/CPM in the STTP on "Recent trends of Mathematics in Science and Technology" organized by Applied Sciences & Humanities Department at GIDC Degree Engineering College, during 2nd – 6th January, 2017.
- **Dr. Shailesh S. Patel** Delivered an expert talk on Applications Of Linear Algebra and headed the MATLAB Practical Session for the participants in the STTP on "Recent trends of Mathematics in Science and Technology" organized by Applied Sciences and Humanities Department at GIDC Degree Engineering College, during 2nd – 6th January, 2017.
- **Dr. Kaushal K. Thakkar**
 - Received International Travel Support to Participate in International Conference on QUARK MATTER 2017 to be held in UNITED STATES OF AMERICA during 5 - 11/2/2017 from Science & Engineering Research Board, Government of India.
 - Gave an expert talk on Legendre Polynomials in the STTP on "Recent trends of Mathematics in Science and Technology" organized by Applied Sciences & Humanities Department at GIDC Degree Engineering College, during 2nd – 6th January, 2017.
- **Dr. Rajiv Kumar Singh**
 - Grant of rupees 2,00,000/- awarded for a minor research project on "Study on Magneto hydrodynamic flows under different physical conditions" by GUJCOST-Ghandhinagar, Gujarat.
 - Delivered an expert talk on Introduction of MATLAB Programming in the STTP on "Recent trends of Mathematics in Science and Technology" organized by Applied Sciences and Humanities Department at GIDC Degree Engineering College, during 2nd – 6th January, 2017.
- **Prof. Harshit K. Naik** Delivered an expert talk on GPSC /UPSC recruitment process and examinations in the GPSC and UPSC Awareness seminar by SPIPA, Navsari, held at GIDC Degree Engineering College on 8th July, 2016
- **Prof. Kushal D. Patel** Nominated as an active member of Reviewer competition Management System (RMS) in International journal of Engineering development and research since July 2016. ISSN: 2321-9939 Holding Member ID: 111456

Student Achievement

- The students of semester V, BE III from civil engineering department were declared as 1st runner up and got the price of 1500 rupees under the guidance of Prof. Rajan Lad and Prof. Manali Shah held at State level named "57th foundation day of the institute of engineer, which was organized by IEL.

Team member Name: 1. Rajesh Goswami, 2. Patel Smit, 3. Pathan Shahrukhkhan 4. KomalThoke

- Chetanya from Civil Eng. 1st Year Represented Maharashtra team in football and athletics at national level for 3 times.
- Vivek M. Rathod of 7th Sem from Civil Eng. Dept. has
 - Attended Workshop at IIT Bombay On "Net Zero Energy Building" on 17th- 18th Dec Academic year 2016-2017
 - Secure 3rd position in Event "Civil Quiz" Held at V.G.E.C [G.T.U Central Techfest], Date 11th 12th March 2016.
 - Secure 2nd position in Event "Instant Model Making" Held at GDEC [G.I.D.C Degree Engg College Navsari, Acedemic year 2013-2014.
 - Secure 1st position in Event "Field Strikers" Held at GDEC [G.I.D.C Degree Engg College Navsari, Acedemic year 2015-2016
- Ankit Mishra, students of semester V, BE III from computer engineering department had participated in an event held at SCET named "Youth Parliament (Debate)" on 17 September. In this event, he secure 1 rank.
- ShaikhYakubAyub, Ansari Sakir M. has secured FIRST RANK in GTU Techfest-2016.In "KNOW YOUR MACHINE" (GTU Techfest(CENTRAL-2K16)



- Dev Desai (5th Se, Electrical Department) has participated in SPIRIT-2016, GTU Team selection for AIU(All India University) Table Tennis(M&W)(Single) at SardarVallabhbbhai Patel Institute of Technology, Vasad.
- Abraham Jerin, ChintanSurti, Desai Ashvin, Lad Bhavin, MaratheRakesh,Nair Rahul, Patel Akshil, Patel Atit, Patel Chinjan, Kavankumar M, Patel Rohit D, Bhadoriya Satyam, Shah Akshay, ShaikhAnish,SoniAkshay, VaghaniParth, VashiTejas, Patel Manthan has attended Value Adding Course on Solid works Training during 5-17 December, 2016 at GDEC, Abrama.
- Kishan K. Vanjara of Mechanical Department 6th semester student is selected for All India Inter University (AIU) Boxing Championship 2016-17 (30 Jan to 04 Feb 2017) at Lovely Professional University, Jalandhar (PB).

Industrial Visit

Sr. No.	Name of Industry	Class	Date of Visit
1	SARDAR PATEL RENEWABLE ENERGY RESEARCH INSTITUTE (SPRERI), Vallabh Vidyanagar	Automobile Engineering, 6th Semester	27th January, 2016
2	SHREE AMBICA AUTO (TATA TRUCKS & BUS WORKSHOP), Kamrej, Surat	Automobile Engineering, 8th Semester	26th Feb, 2016
3	AMAR MOTOR REPOWERING WORKS*, Kadodara, Surat	Automobile Engineering, 3rd Semester	3rd August, 2016
4	Traffic survey at Lunsikui, Navsari	Civil Engineering, 7th Semester	29th July, 2016
5	Waste water treatment Plant at Vapi.	Civil Engineering, 5th Semester	Civil Engineering, 4th Semester
6	Surveying Project at Diu	Civil Engineering, 4th Semester	29-30 March, 2016
7	Ultra tech Company at Rajula, Junagadh	Civil Engineering, 4th Semester	28th March, 2016
8	Microsoft Technology Centre & Southern Electronics Pvt. Ltd., Bangalore	Computer Engineering, 6th & 8th Semester	6-7 January, 2016
9	Bhaskaracharya Institute for Space Applications and Geo-Informatics	Computer Engineering, 3rd Semester	22nd November, 2016
10	Microsoft India Development Centre, Hyderabad	Computer Engineering, 6th & 8th Semester	25th- 29th January, 2017
11	Software Technology Park of India- Network Operation Centre, Hyderabad	Computer Engineering, 6th & 8th Semester	25th- 29th January, 2017
12	Centre of Excellence, Vapi	Electrical Engineering, 3rd Semester	21st October, 2016
13	CETP, Vapi	Electrical Engineering, 3rd Semester	21st October, 2016
14	VIKRANT TRANSFORMER	Electrical Engineering, 3rd Semester	10th May, 2016
15	WRLDC, MUMBAI	Electrical Engineering, 7th Semester	30th September, 2016
16	ERDA, VADODARA	Electrical Engineering, 5th & 7th Semester	2nd November, 2016
17	GETCO, NAVSARI	Electrical Engineering, 5th Semester	21th October, 2016
18	Sugar Factory, Gandevi	Electrical Engineering, 7th Semester	6th January, 2017
19	NARAN LALA PVT. LTD , Navsari	Mechanical Engineering, 3rd Semester	1st October, 2016
20	TECHNO GEAR WORK PVT. LTD. VALSAD, GUJARAT, INDIA	Mechanical Engineering, 4th Semester	30th April, 2016
21	GAS BASED POWER STATION - UTRAN – 394 105, DIST. SURAT, GUJARAT, INDIA	Mechanical Engineering, 6th & 8th Semester	20th February, 2016

SPORTS - Maitry Olympiads 2016

GIDC Degree Engineering College, Abrama- Navsari has been organized Sports from 8 March to 17 March 2016 within the college campus. In Maitry Olympiads 2016, maximum number of students had participated in various games viz: Cricket, Volleyball, Table tennis, Chess, Carom and Running – 100 mts and relay race making the event Success with joy, enthusiasm and sportsmen-ship. All the events were completed successfully and peacefully under the guidance of Faculty Sports Co-ordinators. The event was coordinated by Prof. Vikunj Tilva, Prof.G.R.Chaudhary & Prof. Brijesh Patel.



Winner's and Runner's up of Sports 2016

Sr. No.	Event	Winner	Runner's up
1	100 M RUNNING(BOYS)	Patel Chirag (2nd year, Civil-1)	Patel Sagar (3rd year Computer)
2	200 M RELAY(BOYS)	2nd year Computer	2nd year Civil-1
		Singh Kishan M. Patel Panthil N. Patel Sagar J. Jena Akshay	Patel Chirag Patel Smit Bhati Shadab Desai Shiddharth



Sr. No.	Event	Winner	Runner's up
3	CRICKET (BOYS)	3rd YEAR (ELECTRICAL)	4th YEAR (MECHANICAL)
		Patel Sagarkumar M Patel Niraj J Patel Akash M Patel Brijeshkumar H Patel Parth T Patel Rikesh Tandel Manishbhai R Bhavsar Denish U Mistry Priyank Patel Abhihek A Patel Amitkumar U Patel Nirav R Patel Divyang Patel Shubham P Parmar Umang	Thakkar Maulik Patel Vicky Patel Marmik Maurya Brijesh Ansari Akhtar Ali Solanki Vaibhav Ghoghari Hardik Patel Akash Bhimani Ketan Patel Dhruvang Talha Kadri Panchal Bhavik Lakdavala Karna Ahir Mayank Prajapati Mitnesh
		Man of the Match - Patel Sagarkumar M Man of the series - Trushar Patel Best Bowler - Patel Amitkumar U Best Batsman - Patel Sagarkumar M	
4	CRICKET (GIRIS)	8th Sem & 6th Sem(Computer)	4th Sem & 2nd Sem (Computer)
		Patel Vaibhavi (6th Sem) Patel Urvashi (8th Sem) Verma Rashmi (8th Sem) Pandya Krupali (8th Sem) Patel Yogini (6th Sem) Tandel Bhavna (6th Sem) Patel Viswa (6th Sem) Mistry Nandani (6th Sem) Desai Maitry (6th Sem) Patel Nirali (6th Sem) Patel Vayanjana (6th Sem)	Singh Daina (4th Sem) Patel Mitali (4th Sem) ChaudharySneha (4th Sem) Patel Divya (4th Sem) Faldu Vipa (4th Sem) Bhandari Pooja (4th Sem) Dige Shakshi (4th Sem) Godhani Zeel (2nd Sem) Patel Janvi (2nd Sem) Desai Maitry (2nd Sem) Shivali Patel (2nd Sem)
5	FOOTBALL	MECHANICAL DEPARTMENT	AUTOMOBILE DEPARTMENT
		Mirza Aejaz H Natwijaka Gilbert Kygaba David Druv Solanki Hansraj Jagroop (Cap.) Tersio Simbine Felipe Hardikar Gaurav Bhavin Lad Jerin Johnson Amit Modi (G.K)	Praveen R Pillai Mayur B Mistry Siddharth B Nair Tarang Desai Arpan S Patel chaohan maharaja D. Denish Tandel Rahul R Varma (G.K) Yash S Patel Hariom Solanki
		Stricker - Mirza Aejaz H. (MECHANICAL DEPT.) Defender - Hariom Solanki (AUTOMOBILE DEPT.) Keeper - Amit Modi (MECHANICAL DEPT.) Player of Tournament - Tersio Simbine Felipe(MECHANICAL DEPT.)	
6	CHESS(BOYS)	PATEL HIREN B. (8th Sem Electrical)	TANDEL JIGAR R. (8th Sem Electrical)
7	CHESS(GIRLS)	Patel Riya N. (4th sem Civil)	Salunke Sushmita (4th sem Electrical)

Sr. No.	Event	Winner	Runner's up
8	CARROM(BOYS)	Prasan P. Tandel(8th Sem Electrical) Ankit H. Tandel(8th Sem Electrical)	Pinkal L. Patel(8th Sem Computer) Jatin M. Patel(8th Sem Computer)
9	CARROM(GIRIS)	Patel Riya N (Civil 4th sem) Patel Manali D (Civil 4th sem)	Charmi U. Patel (Comp. 2nd sem) Godani Zeel B. (Comp. 2nd sem)
10	TABEL TENNIS (SINGLE)(BOYS)	Mishra Dipesh S. (Elect. 8th Sem)	Desai Dev (Elect. 4th Sem)
11	TABEL TENNIS (DOUBLE)(BOYS)	Desai Dev (Auto 4th Sem) Patel Devansh S. (Auto 4th Sem)	Hemik Panchal (Civil 6th Sem) Mihir Bhatt (Civil 8th Sem)
12	TABEL TENNIS (SINGLE)(GIRLS)	Patel Manali D (CIVIL 4th Sem)	Patel Priyanka S (CIVIL 4th Sem)
13	VOLLYBALL(BOYS)	4TH YEAR (ELECTRICAL)	3RD YEAR (MECHANICAL)
		Prasan Tandel Jenal Tandel Harsh Patel Jigar Tandel Ankit Tandel Nehal Tandel Rinkesh Patel Rahul Tandel Denish Patel Hiren Patel Suresh Motisariya Sehul Patel	Vatsal Patel Hiral Patel Nehal Patel Pinkesh Tandel Keyur Tandel Mehul Tandel Vishal Patel Marmik Patel Henil Patel Vishvajit Patel Kaustubh Manjarekar Parth Vashi Ankit Chauhan
		BEST SMASHER - Prasan Tandel BEST LIFTER - Vatsal Patel BEST FIEDER - Denish Patel PLAYER OF TOURNMENT - Jenal Tandel	
14	TUG OF WAR(GIRLS)	COMPUTER DEPT.	CIVIL DEPT.
		NANDANI M. MISTRY BHUMIKA J. PATEL NIRALI S. PATEL BHAVANA T. TANDEL MAITRI DESAI VAIBHAVI C. PATEL VYANJANA R. PATEL DHVANI PATEL	RICHA A. JARIWALA NEHA K. CHOTALIYA MAITRI N. PATEL KHUSHI K. AHIR DIMPAL S. PATEL PRIYANKA R. PATEL SHIVANI B. PATEL RINAL PATEL
15	MUSICAL CHAIR	CHAUDHARI SNEHA S. (COMPUTER 4TH SEM)	
16	1 MINIT GAME	Patel Radhika J. (CIVIL 4TH SEM)	
17	100 M RUNNING(GIRLS)	Patel manali (Civil 2nd year)	Mehta vishakha (Mech 4th year)
18	200 M RELAY(GIRLS)	2nd year (Civil-2)	Computer & Mechanical
		Patel Manali Patel Radhika Patel Riya Patel Priyanka	Pandya Krupali Patel vaibhavi Patel Vishwa Mehta Vishakha

Technical - Udaan 2016

Udaan'16 was celebrated on 8-9 March 2016 . Students were invited from colleges from all over Gujarat State. Various technical events like Paper Presentation, Robo war, Robo Race, AutoCAD, C Programming competition, Web Application design, field strikers etc. and non-technical events like NFS, Treasure Hunt were organized. The event was co-ordinated by Dr. Dilip Patel, Prof. Archana Nayak & Prof. Rajesh Patel. Students from various engineering colleges participated in this events.



LIST OF WINNERS FOR TECHNICAL EVENTS 2016

Sr. No.	Competition Name	Name of Student	Department	Position
1	Tech. Paper Presentation	Jagruti Patel Kisan Singh	Computer	Winner
2	Tech. Paper Presentation	Akshay Makwana Khusi Patel Shaily Vashi	Computer	Runner Up

Sr. No.	Competition Name	Name of Student	Department	Position
3	GK Quiz	Vikas Shrivastav	Civil	Winner
4	Prof. Nisha S. Parekh	Ashit Shah	Civil	Runner Up
5	Prof. Nisha S. Parekh	Mayur Mistry	Automobile	Winner
6	Dr. Kaushal K. Thakkar	Sarth Desai	Automobile	Runner Up
7	Dr. Kaushal K. Thakkar	Darshan Thakor	Electrical	Winner
8	Dr. Kaushal K. Thakkar	Yakub Shaikh	Electrical	Runner Up
9	Dr. Kaushal K. Thakkar	Manthan Kaher	Mechanical	Winner
10	Dr. Kaushal K. Thakkar	Jay Patel	Mechanical	Runner Up
11	Dr. Kaushal K. Thakkar	Diana Singh	Computer	Winner
12	Dr. Kaushal K. Thakkar	Drashti Balsara	Computer	Runner Up
13	GD	Gilbert Natwijuka	Mechanical	Winner
14	GD	Mohit Desai	Mechanical	Runner Up
15	Tech. Paper Presentation	Mustafa GHasia Mayank Gupta Rajesh Reddy Samay Thakur	Civil	Winner
16	Tech. Paper Presentation	Dhaval Vispute Shaikh Mohammadrizwan M. Pruthviraj Deshmukh Jitendra Purohit	Civil	Runner Up
17	Tech. Paper Presentation	Abhishek Sutariya Deep Patel Jagtap Nitin Vinod	Automobile	Winner
18	Tech. Paper Presentation	Tejas Yadav Rahul Varma	Automobile	Runner Up
19	Tech. Paper Presentation	S. Kansara K. Mistry V. Patel H. Patel	Electrical	Winner
20	Tech. Paper Presentation	Shaikh Yakub Priyank Patel Rajat Patel	Electrical	Runner Up
21	Tech. Paper Presentation	Tushar Joshi Utsav Soni Prashant Goute Hardik Ghoghari	Mechanical	Winner
22	Tech. Paper Presentation	M. M. Ansari K. K. Lakadawala K. R. Patel	Mechanical	Runner Up

Cultural - Gunj 2016

All work and no play makes Jack a dull boy...to avoid this, GIDC Degree Engineering College organized cultural event GUNJ 2016 on 19th March 2016. The event was organized to allow students to showcase their non-technical talent to our esteemed stake holders. The Chief Guest of the function : Ms. Remya Mohan Moothadath, IAS, Collector & District Magistrate Navsari District, Shri Manoj Aggarwal, IAS, Chairman, GIDC Education Society, Vice Chairman & MD, GIDC, Ghathinagar. Guest of Honour: Shri G.V.Shankar, Shri Yogesh Kabaria & Shri Hadik Nayak. Students enthusiastically participated in the celebration of our culture. Various dance and drama were performed giving delight to audience. Singers of our college enthralled the audience with their performances and the atmosphere was charged up by their youthful presence. Students received encouraging words from the dignitaries. Profusion 2016 college magazine was released during the GUNJ 2016. The team of GUNJ 2016 was appreciated for the efforts involved of students and faculty alike. The event was coordinated by Prof. Toral Patel.



Prize Distribution

Gallery of Prize distribution at GDEC Festival 2016.



The Incredible Shrinking Machine(Engine Downsizing)

Internal-combustion engines are getting smaller, more economical and cleaner-all without a loss of power



FOR years, the motor industry lived by the mantra, "bigger is better". The number of litres that a car's pistons displaced within its engine's cylinders was a matter of pride for its owner. This was because displacement equalled power, and power equalled—well, whatever it was that the owner wanted to show off beyond the mere ability to travel from A to B. Times change, though, and technology moves on. Power is no less in demand than it was, but as the clamour for fuel economy rises, raw displacement, which sucks fuel from a tank like an enthusiastic child with a straw and a

bottle of pop, is going out of fashion. Instead, a new mantra is taking over. This is, "small is beautiful".

The concept of engine downsizing is increasingly becoming the keyword in the automotive industry. We see several manufacturers preferring this method to gain profit at a reduced cost of investment. But what does engine downsizing actually mean? In essence it is about getting the performance of a bigger from its smaller counterpart. Let's say a 2.0 litre engine pumps out 140bhp of power and 200Nm of torque and it has a certain level of emissions. Getting the same performance figures from a smaller engine for instance 1.2 litre or 1.4litre while reducing emissions, is the idea of downsizing. There are several ways to downsize an engine with the most common one being forced induction. Forced induction either by turbocharging or supercharging helps achieve immense increase in performance and at the same time reduces emissions and fuel consumption manifold. Forced induction of smaller engines has brought them on par with their bigger counterparts. Other less familiar strategies include tuning the intake and exhaust geometry and optimizing the valve timing for a wide rev range Variable Valve Timing Technology.

Given these facts, engine downsizing now strongly raises the question regarding the future of the Naturally Aspirated powerplants.

- Arpit Panchal
(Automobile Dept.)

Accept the unexpected

Sometimes you have to accept the unexpected, not because you want to... But because that is the only truth and you have no other choice. You can deny the truth for sometime but not always. You can't live a dream forever... Never..

Change can be absolutely exhilarating when we have initiated the process applied for a new job and been accepted, said yes to a wedding proposal or simply decided to change our hairstyle or color. On the other hand, when change is thrust upon us unexpectedly and uninvited, it is easy to become frozen by fear and anxiety uncertain of what to do next, even when we know we should do something. However, in such situations, what we want to do initially is return to the way things were when we were content and no disruption had taken place, even when we know that isn't an option, unfortunately.

At some point in our lives, change will seek us without asking if we'd like to have it as our guest. On the face of it in such instances, change is the most horrid houseguest who is disrespectful, rude and seems to have no clue how to fit into our lives. In fact, at the time, it seems as though it is making our lives worse instead of better..

- CHAITANYA. JATIN. DESAI
1st year civil

Citizen's role to control pollution

In Mahabagavatam, a snake starts poisoning a pond with its venom and cattle drinking the polluted waters die. God Krishna, a small boy saves the pond from contamination by killing the snake.

Today we have millions of industries rising their venomous hoods and polluting land and water with a variety of highly toxic and poisonous substances. Tragedy is that there are no Krishna's! It is time for us to act immediately for justice delayed is justice denied. "Keeping Quiet Also Is A Sin". Vidura says that he got 50% sin for knowing that it was a mistake and still keeping quiet while Draupadi was dragged into the court to disrobe. In this regard I would like to exhort one and all that pollution is not a problem of the government but a problem facing every individual and unless he involves himself in spirit and deed, the problem cannot be solved.

May I therefore appeal to you to lend your helping hand to strike a deathblow to this pollution phantom? If someone comes out with the best idea of controlling pollution-the villain of life I am sure he/she will be treated as the universal God or at least the God of humankind! Let us adopt Sustainable Life Styles.

Sustainable living means living a lifestyle that uses as few resources as possible and causes the least amount of environmental damage for future generations to deal with.

*Rajesh Goswami
Civil 2 : 6th sem*

+VE ATTITUDE

- It is a foundation of Success. He/she thinks +ve for exchange of views and learning. He discovers himself for himself the magic of positive thinking. Finds opportunities in every difficulty. Loves Company and social life. Joyful, cheerful and friendly.
- Decent behavior and good temperament, positive and wishful thinking and auto suggestion.
- Sees what is good in others. Known to love, compassion, self-denial, optimism, self-esteem.
- Treats life as a network of personal relationship rather than isolated egos, a cooperation rather than competition, beautiful, bountiful and plentiful rather than a scarcity. Respects sentiments and religion of others.
- He sees the invisible, feels the intangible and achieves the impossible.
- It is simple arithmetic. +ve means PLUS, i.e. He/she is becoming better and better every day in every way.

*Rajesh Goswami
Civil 2: 6th sem.*



Priya Kotecha Civil-1(4th Sem)



Harsh Pinakin Desai(3rd Sem Comp)



Asst. Prof. Manali Shah (Civil)

Indian Education System

"Needs A Change"



Education plays important role in shaping the future and support the experts from where they grow to begin the adventure of their life. To empower the youth the first and foremost thing that the country needs to pay heed is the change in the education system of the country. The goal and policy of the new education system should be on creating entrepreneurs, artists, scientists, thinkers and writers to create knowledge based economy rather the prevailing low quality service provider country in the world we are turning to be.

Let's explore some solutions here: what should change in India education system? What needs to be fixed at the earliest? Here is my wish list:

Skill Development:

Some school and colleges in the country focus on the extracurricular activities to develop the student capabilities in terms of problem solving, writing skills, verbal skills, communication enhancement, physical fitness and more. These activities should be made available to each student in the country irrespective of the state and region.



Updated topics to read:



The only concern with the syllabus is that the lessons get outdated while the years go forward since the inventions are enduring and by this time you read this article, someone would have devised something new to the world in his/her interest of subject.

Practical vs. Theory:

Classroom lectures sometimes become too boring encouraging only a little student involvement or creativity. But, if the teacher brings practical and exciting analogies to teach the classroom becomes more interesting and lessons become easy to understand.



Technological Driven Teaching:



Proper measures should be undertaken to widely make aware of the benefits in adding technology to the classroom and bring in a significant change in student's perception of subjects.

Furthermore, Variety In Education Streams And Change In Marking Systems Should Be Implemented From My Point Of View.

Madhav K. Raithatha
7th Civil Dept.

Start-up India Standup India

Introduction

India is a country of many great legends who were famous all over the world because of their works, sharp mind and high skill. However, our country is still on the developing track because of the lack of some solid support and ways to work in right direction. Youth in India are very talented, highly skilled and full of innovative ideas. This scheme is a big help to them to go in right direction using their new and innovative ideas.

What is Startup India Campaign

A new campaign named as Start-up India was announced by the Hon. Prime Minister Shri. Narendra Modi during his speech on Independence Day 2015. This is an effective scheme launched on 16th of January 2016 by the government to help youth of the country. This is an initiative by the Indian PM to give opportunities to the youth to become industrialists and entrepreneurs which need the establishment of a start-up network. Start-ups means youth of the country will be supported through finance from different sources to strengthen new ventures/ideas, so that they can create more employment in India.

This programme is a big start to enable start-ups through financial support so that they can use their innovative ideas in right direction. PM has also requested to all the banks to support at least one dalit and one woman entrepreneur. This scheme will motivate and promote new comers towards business and grow their career and economy of the country.

Action Plan of Start-up India Scheme

A complete action plan of this scheme was launched on 16th January 2016. This scheme will boost entrepreneurship in the country at grassroots level ensuring youth benefits from the lowest strata of society. Youths have fresh mind, new ways, and new thinking so they are better to support as start-ups. Various IITs, NITs, central universities and IIMs of India were connected through the live connectivity during the successful launch of campaign. The main aim of this scheme is to promote bank financing as well as offer incentives for start-up ventures to boost the entrepreneurship and new job creation techniques among them.

Summary

This initiative is the necessity to lead India in right direction. The most important point about this campaign is that it involves youth of the country as start-ups, as they have fresh mind, innovative ideas, required strength, energy, skill, and new thinking to lead business. Youth is the energetic and highly skilled section of the society so they are most eligible target for this campaign.

Prof. Archana Nayak,
HOD, Computer Engg. Dept., GDEC

Chatting Between two cars !!!



With the help of Vehicular Ad-Hoc Network (VANET), it is possible that two car can do chatting!!! VANET is the Technology that provides support to communicate between two cars. In addition, two car can exchange files by utilizing Road Side Unit (RSU) of VANET. Days are not far when the two car will be exchanging Songs/Videos/ Images etc. while travelling from one location to another Location

Asst. Prof. Kushal Patel, (Computer Eng. Dept.)

EDUCATION IS THE KEY

*They say education is the key,
A key that can open all closed doors.
A sharpener to our minds.
Provider of brighter life and expectations.
It's like a shining lamp in a dark world
Even better than the shining stars in the sky
Different parts of the world, the key takes us there.
The key doesn't choose religion, race, tribe, class or where you come from.
You just see it and take it.
Grab it with your hands and don't let go.
Explore all parts of the key.
Understand its richness and wealth.
With various ingredients like maths, languages, sciences,
Geography, engineering among others.
It makes you the most intellect in the world.
Greatest scientist, engineer, doctor, teacher, leader among many.
With the key:
You talk, they listen and understand.
That knowledge of the key is a weapon.
A weapon that can slush dragons into pieces.
The key is a healer of diseases.
A solution provider.
It aggrandizes unimaginable things never seen before.
The key is like a drug that never expires.
The greatest inheritance of a child.*

*To get the key is a process.
Step by step you learn.
Never give up when the going gets tough.
Don't stay down if you can get up.
Gather all your strength and move forward.
Wipe out the sweat and tears.
Don't lose focus keep going.
With hard work and discipline you will finish the race.
Sweeter than honey are its fruits.
Who wouldn't want this key?
I ask!
Go get the key and don't look back.*

*Arpit Panchal
(Automobile Dept.)*



Harsh Pinakin Desai, 3rd semester, Comp. Engg.

Painting

"Talent is the wing one develops through hardwork, never let them drift away from. Instead fly high with them."



- Khushi Patel (3rd Sem, Comp. Engg.)

JUST DO IT !!!

*Puzzled! Why? You Can Do it
Why not! Be sure, You Can;
Just stop not or sit,
Find your own unique plan.*

*With utmost faith you leap ahead,
And Dream, Desire more & more.
There would be a way to lead,
And great heights to soar.*

*Hurdles may blur your Vision,
Challenges there to face, I know
But keep an eye ever on mission,
As hitting the target, your only vow.*

*You gonna make magical power
Believe, the world you can move.
All joys, mirth at your shower
But your existence you ought to prove.*

*Now, How long would you wait?
Just make it happen with full pay.
Life's even & odds are its trait,
Conquer before to clay you lay!*

- Karan katira (1st Sem- Comp. Engg.)

*Today I saw you as a stranger,
Your speed & style reminded me of ranger.
In class all of us had good looks,
But you were the one different from the crooks.
The bond of our friendship was slow,
It started like a music flow.
We became brothers that is more than friends,
Ready to face every difficulty life sends.
We enjoyed laughter hurt & strife,
Holding our hands we danced whole life.
One bike ride made our hearts felt pride,
That bike ride in search of a bride.
We often had a chit chat quarrel,
But now they seems like christmas carols.*

-Viraj Kansara, 3rd Sem

The Value is Important

Once a popular speaker started off a seminar by holding up a 100 Rs. note. A crowd of 200 gathered to hear him speak.

He asked, "who would like this 100/- note?"

200 hands went up.

He said, "I am going to give this 100/- to one of you but first, let me do this." He crushed the note.

He then asked, "Who still wants it?"

All 200 hands were still raised.

"Well", he replied. "What if I do this?" Then he dropped the note on the ground and stomped on it with his shoes.

He picked it up, and showed it to the crowd.

"Now who still wants it?"

All the hands still went up.

"My friends I have just showed you a very important lesson. No matter what I did to the money, you still wanted it because it did not decrease in value. It was still worth 100/-. Many times in our lives, life crumpled us and grinds us into the dirt. We make bad decisions or deal with poor circumstances. We feel worthless. But no matter what has happened or what will happen, you will never lose your value. You are special. Don't forget it..!"

-Asst. Prof. Vibhuti P. Patel(Computer Eng. Dept.)

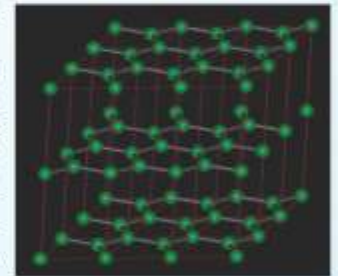
NANO TECHNOLOGY

Carbon nanotubes are one of the most commonly mentioned building blocks of nanotechnology. With one hundred times the tensile strength of steel, thermal conductivity better than all but the purest diamond, and electrical conductivity similar to copper, but with the ability to carry much higher currents, they seem to be a wonder material. However, when we hear of some companies planning to produce hundreds of tons per year, while others seem to have extreme difficulty in producing grams, there is clearly more to this material than meets the eye.

Carbon Nanotubes and Related Structures:

Carbon nanotubes were 'discovered' in 1991 by Sumioliijima of NEC(Corporation is a Japanese multinational provider of information technology services and products, headquartered in Minato, Tokyo, Japan) and are effectively long, thin cylinders of graphite, which you will be familiar with as the material in a pencil or as the basis of some lubricants. Graphite is made up of layers of carbon atoms arranged in a hexagonal lattice, like chicken wire (see Figure).

The term nanotube is normally used to refer to the carbon nanotube, which has received enormous attention from researchers over the last few years and promises, along with close relatives such as the nanohorn, a host of interesting applications. There are many other types of nanotube, from various inorganic kinds, such as those made from boron nitride, to organic ones, such as those made from self-assembling cyclic peptides (protein components) or from naturally-occurring heat shock proteins (extracted from bacteria that thrive in extreme environments). However, carbon nanotubes excite the most interest, promise the greatest variety of applications, and currently appear to have by far the highest commercial potential.



Nanocrystalline core materials for modern power electronic designs:

"Multipurpose soft magnetic material improves the performance of inductive components"

In the recent years, so called nanocrystalline soft magnetic materials enjoyed more and more acceptance in modern power electronic designs. Besides the undisputed excellent performance this is a result of the improved price level in combination with the availability from several sources worldwide.

Advantages and Applications:

In parallel, the value for the money is getting more and more competitive compared to permalloys and ferrites. Independent from the application, the advantages gained from the use of nanocrystalline cores when designing inductive components generally are:

- significantly smaller build volume (up to more than a factor of 3)
- lower weight
- less copper losses due to reduced number of turns
- extended temperature range from $-25 \dots +120^{\circ}\text{C}$ (standard) / 180°C (special)
- bigger safety margins – more stable operation – very robust.

The Value is Important

Once a popular speaker started off a seminar by holding up a 100 Rs. note. A crowd of 200 gathered to hear him speak.

He asked, "who would like this 100/- note?"

200 hands went up.

He said, "I am going to give this 100/- to one of you but first, let me do this." He crushed the note.

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"My friends I have just showed you a very important lesson. No matter what I did to the money, you still wanted it because it did not decrease in value. It was still worth 100/-. Many times in our lives, life crumpled us and grinds us into the dirt. We make bad decisions or deal with poor circumstances. We feel worthless. But no matter what has happened or what will happen, you will never lose your value. You are special. Don't forget it..!"

-Asst. Prof. Vibhuti P. Patel(Computer Eng. Dept.)

ઘણી વખત.....!

મળવામા એ મોડા નથી પડયા, સમયને ઉતાવળ
હતી ઘણી વખત.....!

એ મુલાકાતો મા એમનો ડર નહોતો, ઘબાકરાઓની
પણ ટ્રેન છૂટી જતી ઘણી વખત.....!

સમય, અંતર અને વેગની પરીભાષા બદલાય જતી
એમને જોય ને ઘણી વખત.....!

એ રચના બની જતા, તો એ રચના ના શબ્દ બની
જવાતુ ઘણી વખત.....!

શબ્દો ના વંદોળ કરતા ઈશારા ની લહેરે જ
અસરકારક બની જતી ઘણી વખત.....!

લહરો ને પણ કિનારા નસીબ નથી થતાં, વળતા
પાણી એ પ્રત્યક્ષ જોયું છે ઘણી વખત.....!

મેઘધનુષે પણ વિરહ મિલન અનુભવ્યું હશે,
એમ તો ના બતાવે સાત રંગ ઘણી વખત.....!

આપણા જેવા તો કડવા અનુભવ કરે, પણ વરસાદે
ય કમ્બોસમી વરસી જાય ઘણી વખત.....!

વિચારો તો દુર આજે નજરો પણ મળવાથી દુર છે,
છતાં ય પલટી ને જોવાય જાય છે ઘણી વખત.....!

ખબર છે દોસ્તો તમે ય આ અનુભવ્યું છે, એક
વખત.. વખતોવખત....ઘણી વખત.....!!!

.....રેનિલ ગાંધી

"Happiness lies in God"

Happy is the one who follow the path of god,
Peace and prosperity will be his home.
Never give up when difficulties arise,
Wait for the answers you and will find.

Happy is one who believes in oneself,
And tries to fulfill his wish of dreams.
Look at the nature and your vision will be clear,
Happy is the one who is gods near.

- Asst. Prof. Avani Patel(Computer Engg. Dept.)

Things to remind yourself daily

1. Kindness is free
2. Over thinking will lead to sadness
3. Opinions don't define your reality
4. The past cannot be changed
5. Everyone's journey is different
6. You only fail if you quit
7. What goes around, comes around
8. Things always get better with time
9. Positivity creates positive things
10. Happiness is found within

-Asst. Prof. Bhumika Patel (Computer Eng. Dept.)

"STOP GIRL KILLING SHOWER"

Allowed me to come into the society,
But people killed me in the womb with anxiety,
Why I'm not allowed to play in the garden,
And why people think me as a burden,
Why I don't get equal respect as boys,
And why people snatch my every moment of joys,
Before not opening my eyes I am thrown,

I say to my mom:
"I am in your stomach,
Let me live, let me bloom;
Let me shine like a beautiful moon,
Let me come and see the world,
Let me fly like a beautiful bird,
Don't be Cruel, Oh! Selfish!
Let me swim like a colorful fish,
Listen my cry, Listen my screams,
Let me fulfill my wishes and dreams,
Let me see this beautiful earth,
Please don't kill me before my birth."
I wish my pen has that much power,
That it stops "Girl Killing shower",

*-Prof. Tarun N. Patel
Mechanical Department*



Priya Kotecha, Civil-1 (4th Sem)



Priya Kotecha Civil 1 4th Sem

GOAL OF LIFE

Don't stop because life is a Journey,
Keep moving and create your own Identity.
It is good to dream while sleeping,
But make it better by Achieving.

Going with the flow is not an Innovation,
Knowing what you got and achieving is a Creation.
Hobbies are many but achieve your Passion,
Because lion can't fly and fish can't run

Great mind discuss ideas while poor discuss peoples,
You just carry on because this all are obstacles.
Take sarcasm as compliments from naysayer,
Succeed in your aim and makes their doubts clear.

It is always Impossible until it's done,
So why don't you try and be the one,
But don't let success makes your journey forget,
Stay generous, that's what peoples respect.

*ADIL ALTAF SHAIKH
Sem - 6, Mechanical Engg.*

Digital Twin

A digital twin is a virtual representation of a process, product, or service. Digital twin uses data from sensors installed on physical objects to represent their near real-time status, working condition or position. Consider example of car we drive today. Currently we are told by a car company or car service team to change oil and oil filter every 5000km or change tires after certain kilometres. This information is detected from averages derived from field (past testing) experience. However, different car owner drives differently and in different environment which may result in wearing out of tires or



oil earlier than said kilometres which may result in unexpected car breakdown. By implementing a digital twin - that is, data sensors and monitors, a digital "brain," and a communications protocol a car service team will know not only when to inspect a machine or service it, but what parts to have on hand when doing so. The outcome is almost no unpredictable breakdown for customers. This is achieved by capturing and analysing real time sensor data, and applying predictive analytics to the digital twin. American multinational corporation General Electric (GE) is already building a digital representation of every GE machine - from jet engines to locomotives, from gas turbines to power plant-scale circuit breakers. This dynamic digital model will over time will become a digital twin. You may not even realize it, but many of us are already creating the basic building blocks of our own digital twins. From the type of device we use to what we do with it, we have a collection of data points that mirrors the rough outlines of our daily lives. Consumer electronics or medical device manufacturers, travel and hospitality companies, online service providers: all are requesting connected and programmable products and services that can generate customer-specific data that could eventually be aggregated to build our digital twins. Imagine: In the not-too-distant future, with subject to our consent, our digital twins will monitor our interests and preferences (and, thus, our values) based on data inputs like our emails, purchase histories, and the historical usage patterns of our connected products and services. Over time, our digital twins will be capable of being our personal agents, absorbing much of today's information overload and acting on it on our behalf, so we don't have to. With digital twin, we could live better, more informed, and fuller lives ourselves.

- Asst. Prof. Tejas B. Patel(Computer Eng. Dept.)

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श्रीगणेश दुर्गा थेट्स ट्राव्हल्स



कोन धर पर बुकिंग करावो.

डेढली सर्विस र x १ स्लीपर कोच

सुरतथी ओल इत्तर गुजरात बुकिंग तथा अरबन्ट पार्सल सर्विधा

२x१, 3x२, टवेरा, धनोवा, स्लीपर कोच, भीनी अस, AC/ Non AC गाडी भाडे मणशे.

लाज्ज, गृप प्रवाच, स्कुल, कोलेज, प्रवाच, पीकनीक नुं सङ्गता पूवर्क रहेवा जमवा साथे आयोजन करी आपिशुं.

सुरतथी ओल इत्तर भारत तथा दक्षिण भारतनुं रहेवा जमवा साथे आयोजन करी आपिशुं.

सुरत :- हेड ऑफीस

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शास्त्रीनगर मेधन रोड, जटोदरा.

दुबई/दोहाई

मो. ९७१४९ ७७०००

मो. ९७२३१ ०७०००

गोन्य :-

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मो. ९७२३२ ०७०००

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