

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

# Profusion' 18



## **GIDC Degree Engineering College**

(Managed by GIDC Education Society, Gandhinagar)

Blokck No. 997, Abrama, Tal. Jalalpore, Dist. Navsari - 396 406 Gujarat, India.  
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## ANALYTICAL LABORATORY & R&D CENTRE

We take an opportunity to introduce ourselves as CENTRE OF EXCELLENCE (COE) in Vapi. CENTRE OF EXCELLENCE is a multi-disciplinary fully computerized, State-of-Art Testing facility for Chemical, Instrumental and Microbiological analysis, Digital Library, R & D Centre, pilot plant/scale up facility and Convention Centre for Seminars & Conference as well as Video Conference facility located at Vapi, Gujarat.

The centre's objectives are to provide exquisite services to all the analytical areas in compliance with regulatory and industry standards.

Our services are customized to meet Customer individual requirements accurately and efficiently within the framework of regulatory guidelines. COE is committed to on going investment in the highest level of training and professional development within each discipline.



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**Contact:** 1st Phase, Nr. GIDC Water Filtration Plant, GIDC Vapi-396195  
Ph.: 0260-2431597, +919714007068 Email: [info@coevapi.com](mailto:info@coevapi.com)  
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# Chairman's Message



બલવંતસિંહ સી. રાજપૂત  
ચેરમેન

ગુજરાત ઔદ્યોગિક  
વિકાસ નિગમ  
(ગુજરાત સરકાર સ્થાપિત ઉપક્રમ)



## સંદેશ

“ગુજ” – શબ્દ જ સાર્થક કરે છે આ ઈજનેરી કોલેજના વિદ્યાર્થી અને પ્રધાપકગણના વિશ્વાસને.

ગુજરાત ઔદ્યોગિક વિકાસ નિગમના મૂળ ઉદ્દેશ્યથી પણ આગળ વધીને સામાજિક અને શૈક્ષણિક જવાબદારીના ભાગરૂપે વર્ષ ૨૦૧૨ માં સ્થાપાયેલ આ સંસ્થાને ૦૫ વર્ષ જેટલો સમયગાળો પૂર્ણ થયેલ છે, તેમજ બે વર્ષથી આપણી સંસ્થામાંથી ઈજનેર થયેલાં ઉત્તમ સ્નાતકો જે-તે સ્થળે પોતાની ફરજ બજાવી રહ્યાં છે તેવી મને શ્રદ્ધા છે, આ જ તો છે આ સંસ્થાએ સમાજને આપેલ યોગદાન.

આજના સ્પર્ધાત્મક યુગમાં જ્યારે તકનીક એ ગુણવત્તાસભર જીવનનું પર્યાય અને મૂળભૂત જરૂરીયાત બન્યું છે ત્યારે આપણે સૌએ રાષ્ટ્રને ઉપયોગી નીવડે એવી અને વૈશ્વિક કક્ષાએ આપણી ઉપસ્થિતિ નોંધાવે તેવી આધુનિક તકનીક વિકસાવવાની દિશામાં આગળ વિચારીને વધવાનો નિર્ધાર કરીએ.

આપણા માન.વડાપ્રધાનશ્રી દ્વારા મેક ઈન ઈન્ડિયા, સ્કીલ ઈન્ડિયા, સ્ટાર્ટઅપ ઈન્ડિયા જેવી યોજનાઓ જારી કરી છે ત્યારે વિશ્વના અગ્રેસર દેશોએ ઈજનેરી ક્ષેત્રે જે સંશોધનો કરીને આજની જીવનશૈલી અને સુવિધાઓ વિકસાવી છે તેવા જ પ્રશંસનીય અને અગત્યના સંશોધનોમાં આપણે સૌ સહભાગી બની આપણા દેશનું નામ ઉજ્જવળ કરવા પ્રયત્ન કરશો તો એ સમય દૂર નથી કે જ્યારે ભારત એ વિશ્વના દેશો માટે ફરી માર્ગદર્શકની ભૂમિકા ભજવશે અને વિશ્વકલ્યાણના માધ્યમથી “વિશ્વગુરુ” તરીકે પોતાનું સ્થાન હાંસલ કરશે.

અંતમાં તાજેતરમાં જ શરૂ થયેલ નવા વર્ષની આપ સૌ ને અંતરપૂર્વક હાર્દિક શુભકામનાઓ પાઠવું છું અને આવનાર સમય આપના જીવનમાં મનોચ્છનિય ઉન્નતિ અને અકલ્પનીય પ્રગતિવર્ધક રહે તેવી અભિલાષા દાખવું છું.

આપનો સ્નેહાધિન,

(બલવંતસિંહ રાજપૂત)

ચેરમેન, જીઆઈડીસી  
ગાંધીનગર

## Guest's Message



I am glad to know that the GIDC Degree Engineering College, Abrama, Jalalpore is celebrating its Annual Function- GUNJ 2018 on 20th January, 2018 at Abrama and a Profusion 18 is being brought out in commemoration.

In the engineering field of Gujarat the GIDC Degree Engineering College stands apart in providing quality education to its students. Over the years, the reputation of the college has grown manifold. I hope, the college will strive hard to scale new height of success.

I convey my warm greetings to both the teachers and the students on occasion of the annual function celebrations and wish the publication all success.

**- R. C. Patel**  
Deputy Chief Whip,  
MLA, Jalalpore

# 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. 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 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'18 (sports), Udaan' 18(Technical) and Gunj' 18 (Cultural) a grand success.

- Prof. (Dr.) Navin Sheth  
Vice Chancellor  
Gujarat Technological University

# 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 Chairperson & Managing Director,  
GIDC, Gadhinagar, Gujarat.

## Member Secretary's Message



વર્ષ ૨૦૧૮ની શરુઆતની આપ સૌને શુભેચ્છાઓ

રાજ્યમાં ઉદ્યોગ ક્ષેત્રના ઉદ્દીપક તરીકે કાર્યરત ગુજરાત ઔદ્યોગિક વિકાસ નિગમ (GIDC) દ્વારા વર્ષ ૨૦૧૨ માં સ્થપાયેલ આ શૈક્ષણિક સંસ્થા આજ ઉત્તરોત્તર પ્રગતિના સોપાન સર કરી રહી છે તે જણાવતાં ખૂબ આનંદ થયો.

ઉદ્યોગની સાથે તકનિકી શિક્ષણ અંગે જાગૃતિ લાવી નવયુવાનોને વધુ બહેતર શિક્ષણ આપવામાં આવે તો તેઓ દેશના વિકાસમાં ભાગ લેશે અને દેશ પ્રત્યે તેઓની જવાબદારીનું વહન કરશે તેવા શુભ આશયથી સ્થપાયેલ આ સંસ્થામાંથી સ્નાતક થયેલ ઇજનેરોએ અમારો વિશ્વાસ પરિપૂર્ણ કર્યો તે ગૌરવ લેવાની બાબત છે. નવીન ટેકનોલોજીની શોધ અને વિકાસથી આપણે વિશ્વ સમક્ષ આપણા દેશની ક્ષમતા પુરવાર કરી શકીશું, તેવું મારું દૃઢપણે માનવું છે.

ઝેઇ પણ દેશ આપોઆપ વિકસીત બની જતો નથી, તે દેશના યુવાનો, નીતિ નિર્ધારકો, શિક્ષણવિદો અને દૂરદેશી વિચારસરણી ધરાવતાં લોકોના અયાગ અને સતત પ્રયત્નો તેને વિકસીત કરે છે. આપણો દેશ

પ્રગતિના પંથે અવિરત આગળ વધ્યા કરે તે માટે આપણે સૌએ પણ સાથે મળીને સતત પ્રયત્ન કરવા એ જ એક વિકલ્પ છે. વધુમાં “ગુજ-૨૦૧૮” ના આયોજન બદલ સૌને શુભકામનાઓ.

આપનો સ્નેહાધિન,  
ચિંતન અખાણી

મેમ્બર સેક્રેટરી, જી.ઈ.એસ.,  
ડિરેક્ટર (એન.એ.), જી.એમ.

## Member's Message



Engineers play the most vital and important role in nation building. They create new inventions using best engineered technologies to make human life more comfortable, secure and productive. In modern times, nations which have rich engineering domain is flourishing economically and are providing better lives to their people. We have excellent potential to grow in diversified areas and excel in Engineering field. We need enormous number of engineers to write next story of success.

The essence of engineering education which has spread in India is a very positive sign not only to cater domestic needs but provide manpower to the entire world and become biggest technically trained community. GIDC

EDUCATIONAL SOCIETY is a venture contributing to this Endeavour. We have started with full force to play a leading role in providing quality education and careers.

At the outset I send my greetings to the teachers and students of GIDC Degree Engineering College, for working best in all aspects. We want to provide a complete package of educational services to GDEC students. I believe this magazine will provide us the benchmark for continued improvement in overall development of the College. This magazine should be a good source of guidance for faculty and coming batches of students in choosing activities of their choice in their future for building their careers. I appreciate the efforts of the Editorial team who have done an excellent job in compiling PROFUSION 18 activities over the year and disseminate them through this Magazine as well as on the GDEC website.

- Shri. N. P. Vadaliya  
Member, G.E.S.,  
S.E., 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.

-Dr. V. S. Purani  
Member, GIDC Education Society  
Joint Director, Commissioner of Technical Education, Gandhinagar

## Member's Message



I am delighted to know that GIDC Degree Engineering College is bringing out the 5th edition of college magazine "Profusion' 18". 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 will be taken by students and staff. The magazine will also serve as a means to peep into GIDC Degree Engineering College and its activities by all the stake holders. I wish the success future to all students and staff.

- Dr. A. K. Dave  
Member, GIDC Education Society  
Ex.Director, SVNIT, Surat

## Member's Message



Having witnessed the birth in 2012, I am naturally delighted to see that the GIDC Degree Engineering College has grown healthily and has come of age. Like any new venture, the institute, subjected to all trials and tribulations, has passed the fire test and has emerged like strong, well-tempered steel.

Our dream of imparting education to boys and girls from the rural setting at an affordable cost has been largely fulfilled.

The institute is ideally situated in an area where education growth is taking place. Logically, having offered the basic engineering courses, the GDEC is looking ahead towards meeting the challenges of the future. From the prospects of infrastructural growth and the inevitable expansion of the industry, the institute is rightly gearing itself for producing more quality engineers. It is now poised to establish a fine synergy between technical education and the utilization of resources in this region. Although infrastructural facilities are available for a full-fledged Engineering College, we wish to consciously restrict our ambitions to creating an excellent academic environment for our students pursuing degree courses. In fact, it should become an 'Island of Excellence'.

“Skill Development’, ‘Start-up’, ‘Make in India “, is timely necessity for our Nation. We as Institution have determined to contribute to achieve this goal to overcome problem of unemployment by transforming Engineers into entrepreneurs.

Ultimately, economic progress must respect human safety with equity. I take special pride and pleasure in joining you in the Annual Function “GUNJ- 2018” celebrations and congratulating all concerned for reaching this milestone.

- CA Vinodchandra G. Desai  
Member, GIDC Education Society  
Chartered Accountant, Navsari

## 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 College 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 various curricular and co-curricular activities are organized to shape the engineers.

Through “PROFUSION 18” 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  
Director, Naranlala College, Navsari

# Principal's Message



Dear Stake-Holders,

It gives me immense pleasure to pen a few words as prologue to our in-course-magazine "Profusion-18" 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 within the 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".

Our College is the host for the Navsari Innovation Sankul, covering the Navsari district, Bardoli, Mandvi and Palsana, which includes professional colleges like Engineering, Polytechnic, Pharmacy, Computer Applications and Management colleges. This is an innovative initiative to bring students, academicians and industries together on a common platform. We aim not to just impart knowledge to the students but also inculcate in them wisdom, compassion and humanitarian spirit. We have multicultural students hence we teach them the importance of tolerance, discipline, values and integrity.

GUJCOST set up Design Lab at GIDC Degree Engineering College which will be implemented soon. The purpose of Design Lab is to enhance the Research and Start up Innovations. College is in the process of Start up registration in association with Gujarat Informatics Limited (GIL) with the support of Department of Science & Technology (DST). The Business Accelerator and Start-Up Cell of GIDC Degree Engineering College approved by Centre for Entrepreneurship Development (CED), Gandhinagar motivate Innovators to transfer their successful ideas in Entrepreneur /Start-up.

Wishing you all the best....!

- Dr. K. N. Mistry  
Principal, GIDC Degree Engineering College, Abrama  
Dean, Faculty of Engineering, GTU, Ahmedabad  
Co-Chairman, GTU Innovation Council, Navsari Sankul

# Chief Editor's Message



Dear readers;

It gives me great pleasure to bring to you a fifth issue of our college annual magazine "Profusion". The "Profusion-18" is dedicating to the entire team of the scientists at the Indian Space Research Organisation (ISRO) for putting India at forefront of space technology.

Profusion is a platform to exhibit the fictitious skills and creative thoughts of faculties and students. It 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.

Messages of the personalities like Chairman of GIDC, Member of Legislative assembly, the Vice Chancellor GTU, Chairperson, secretary and members of GIDC education society and from the Principal's Desk boost the morale of students and staffs.

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 would also thanks to our sponsors for financial support.

We are thankful to all the authors 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 endeavour. We truly hope that the pages that follow will make an informative and interesting reading.

Dr. H. S.

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# Board of Management

Name of the Member	Designation in the GES	Current Position/Organization
Smt. D. Thara , IAS M.Sc(Biotech), M.A(Public Administration)	Chairperson	Vice Chairperson & Managing Director , GIDC, Gandhinagar
Shri C. K. Akhani B.E. (E.C) & MBA(Marketing)	Member Secretary	Director (NA) & General Manager GIDC, Gandhinagar
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Shri CA Vinodchandra G. Desai M.Com, F.C.A.	Member	Chartered Accountant, Navsari
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Shri Mahadevbhai Desai B.E Civil, LLB, MIE, MASCE(USA)	Member	CMD, Sthapati Designer, 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 B.E. Degree:

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

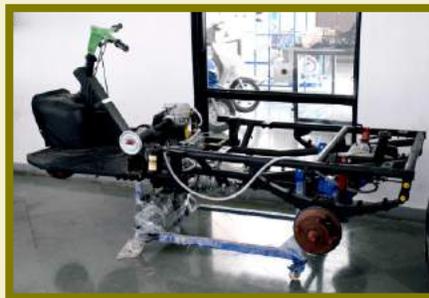


## Amenities of the Institute

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 and analysis of theoretical 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 2016-17

Class	First Rank	Second Rank	Third Rank
<b>Mechanical Engineering Department</b>			
B.E.-I- (A)	<p>MISTRY NISARG CPI-8.62</p> 	<p>DOSHI SOHAM D. CPI-8.08</p> 	<p>PATEL RONAK N. CPI-7.88</p> 
B.E.-I- (B)	<p>TANDEL PRAGNAN P. CPI-8.77</p> 	<p>TANDEL YASH B. CPI-8.58</p> 	<p>TANDEL HARSHALKUMAR CPI-8.02</p> 
B.E.-II- (A)	<p>GANDHI LAY PRANAV CPI-8.29</p> 	<p>PATEL DENISH RAJESHKUMAR CPI-8.02</p> 	<p>GANDHI SMIT JAYESHKUMAR CPI-7.95</p> 
B.E.-II- (B)	<p>SHIMPI KUNAL RAJU CPI-8.74</p> 	<p>NATWIJUKA GILBERT BEYENDEZA CYPRIAN CPI-8.39</p> 	<p>KYAGABA DAVID KAWERE JOSEPH CPI-8.37</p> 
B.E.-III-(A)	<p>ABRAHAM JERIN JOHNSON CPI-7.91</p> 	<p>KUBADIA BHOOMIK NAVIN CPI-7.76</p> 	<p>JAGTAP VISHAL RAJESHBHAI CPI- 7.66</p> 
B.E.-III-(B)	<p>SHAH AKSHAYKUMAR ASHOKBHAI CPI-8.02</p> 	<p>SONI AKSHAYBHAI DINESHBHAI CPI-7.64</p> 	<p>SATYAM RAJENDRASINGH BHADORIA CPI-7.60</p> 



# Rankers of the Institute for Academic Year 2016-17

Class	First Rank	Second Rank	Third Rank
B.E.-IV	HANSRAJ JUGROOP CPI-8.73 	ITALIYA BHAVIN CPI-8.31 	RATHOD SANTOSH CPI-7.93 

## Computer Engineering Department

B.E.-I	PATEL MAYURI AMRUTLAL CPI-8.58 	KATIRA KARAN CPI-8.15 	SOLANKI NISHITABEN JAYESHKUMAR CPI-8.00 
B.E.-II	MAKWANA AKSHAY DALSUKHBHAI CPI-8.70 	PARMAR BHAVIN NATVARLAL CPI-8.65 	BHALODIYA NISHABEN HASMUKHBHAI CPI-8.29 
B.E.-III	LIKHIA HEMANGIBEN VASANTBHAI CPI-8.68 	MISTRY RICHIA ASHOKBHAI CPI-8.52 	KAKASANIA AARTI MAGANBHAI CPI-8.19 
B.E.-IV	MALI HETAVI VINODBHAI CPI-8.97 	DESAI HEM DIPAKBHAI CPI-8.63 	DESAI MAITRY AJAYKUMAR CPI-8.62 

## Automobile Engineering Department

B.E.-I	KALWAR RAJKUMAR KAMLESH CPI-7.18 	MISTRY HARSHKUMAR KIRANBHAI CPI-6.18 	TANDEL PRINCE DIPAKBHAI CPI-6.10 
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# Rankers of the Institute for Academic Year 2016-17

Class	First Rank	Second Rank	Third Rank
B.E.-II	PATIL SHUBHAM RAJARAM CPI-7.56 	PRAJAPATI KEVIN RAJNIKANT CPI-7.17 	DESAI SARTH SUHASBHAI CPI-7.13 
B.E.-III	SARODE VINAY RAMESHBHAI CPI-7.95 	MAURYA AMITKIMAR CPI-7.48 	PARMAR KEVALKUMAR BHARATSINH CPI-7.33 
B.E.-IV	YADAV TEJASKUMAR CPI-8.30 	KATHIRIYA DIKSHIT ASHOKBHAI CPI-8.25 	PADSALA DIVYESH BHARATBHAI CPI-8.21 

## Electrical Engineering Department

B.E.-I	SAPARIYA CHINTAN JITENDRA CPI-7.92 	PATEL PARTHKUMAR DIPAKBHAI CPI-7.70 	RANA RINKAL ANILKUMAR CPI-8.00 
B.E.-II	PATEL HETVIBEN KALPESHBHAI CPI-8.56 	PATEL KEYUR P. CPI-8.45 	PATEL RAHULKUMAR PRAVINBHAI CPI-7.61 
B.E.-III	CHAMADIYA PRAKASHKUMAR P. CPI-8.06 	PATEL RAJATKUMAR A. CPI-7.92 	PATEL PRIYANK RAMESHBHAI CPI-7.88 



# Rankers of the Institute for Academic Year 2016-17

Class	First Rank	Second Rank	Third Rank
B.E.-IV	SEVAK SHIVANG KALPESHKUMAR CPI-8.61 	PARMAR UMANG NARESHBHAI CPI-8.49 	DOCTOR MOHAMAD SHAFI MOHAMAD HARUN CPI-8.27 
<b>Civil Engineering Department</b>			
B.E.-I- (A)	PATEL JHANVI Y. CPI-8.52 	JINAL V. KAHAR CPI-8.48 	BHAKTI D. MODI CPI-8.27 
B.E.-II- (A)	NAISHADH VEKARIYA CPI-8.04 	HIRALBEN PATEL CPI-7.58 	DHARA H. CHOVIATIYA CPI-7.54 
B.E.-II- (B)	DEEPAK CHAVDA CPI-8.41 	PAYALBEN V. TANDEL CPI-8.33 	MIRAL R. PATEL CPI-8.20 
B.E.-III-(A)	KEYUR R. KAMARIYA CPI-9.49 	KAJOL J. PANCHAL CPI-9.02 	RICHA A. JARIWALA CPI-8.80 
B.E.-III-(B)	KAJAL M. PATEL CPI-8.41 	MANISHABEN N. RATNANI CPI-8.36 	KUNJAN J. SHUKLA CPI-8.33 



# Rankers of the Institute for Academic Year 2016-17

Class	First Rank	Second Rank	Third Rank
B.E.-IV	SHIVANIBEN B. PATEL CPI-8.18 	SHIVANI R. RANA CPI-8.12 	SHAH ASHIT CPI-8.08 

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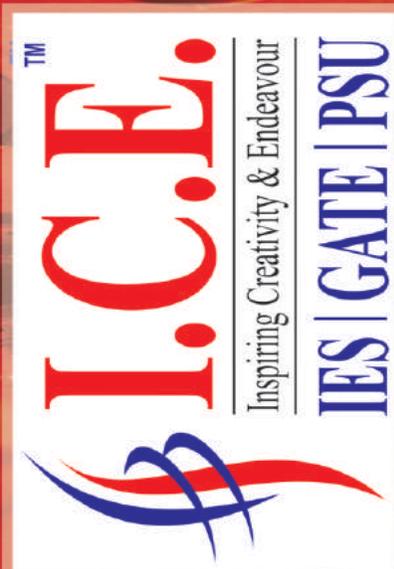
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## Desk of Head of Mechanical Department

It's 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 Up-gradation Centre developed here at Mechanical department. Department has started a training programme in a year preferably December on "Value adding course on Solidworks" for mechanical /automobile engineering students and industry participant similarly CNC operator-vertical machining centre training under PMKVY is also planned in every semester to train the unemployed youth in Engineering skills

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.

- Dr. H. S. Patil

## Teaching & Supporting Staff Members

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. Hariketani B. Patel	Assistant Professor	M.E.(CAD/CAM)
7	Prof. Bruhad S. Naik	Assistant Professor	M.Tech. (Thermal)
8	Prof. Dharmik A. Patel	Assistant Professor	M.E.(Thermal)
9	Prof. Harsh R. Naik	Assistant Professor	M. Tech.(CIM)
10	Prof. Mayur V. Goti	Assistant Professor	M. Tech.(Material Technology)
11	Prof. Tarun N. Patel	Assistant Professor	M. Tech.(CAD/CAM)
12	Prof. Akash A. Patel	Assistant Professor	M.E.(Design)
13	Prof. Nitish K. Lad	Assistant Professor	M.E.(Thermal)
14	Prof. Krunal A. Hathiwala	Assistant Professor	M.E.(Thermal)
15	Prof. Dhaval S. Chaudhari	Assistant Professor	M.Tech.(IPED)
16	Prof. Bharat H. Gajera	Assistant Professor	M.E.(Machine Design)
17	Prof. Jigar S. Rathod	Assistant Professor	M. Tech. (Mechanical)
18	Mr. Hitesh N. Patel	Lab Assistant	DME, DEE
19	Mr. Jatin K. Patel	Lab Assistant	DME
20	Mr. Brijesh B. Patel	Lab Assistant	DME
21	Mr. Divyesh C. Patel	Workshop Technician	ITI(Fitter)
22	Mr. Bhavesh N. Tandel	Workshop Technician	ITI(Welder)
23	Mr. Kiran C. Nayaka	Workshop Technician	ITI(Fitter)
24	Mr. Ismail I. Saiyad	Workshop Technician	ITI(Carpenter)
25	Mr. Bhavin M. Patel	Lab Attendant	Agricultural Diploma



## Desk of Head of Computer Department

Currently we are in the robustly evolving phase of digitization. Being an IT-Technocrat the responsibility increases multi-fold especially in such crucial phase 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 got 100% result in Summer-2017 GTU examination in 8th Semester. With the second batch of college being graduated in 2017 the department also feels the flavour 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 past academic year few Companies like BosLeo, Softyug, Mango Technology, Xento Systems, Goldenmace IT solutions Pvt. Ltd. etc have visited Computer Engineering department for Campus Selection. In current academic year few more company will be visiting for placement and Industrial training.

This year also Computer Engineering Department continued revenue generation for institute by hosting multiple online examinations (BANK, Insurance, Public Sector Recruitments) under facility agreement with Tata Consultancy Services. Also new agreements with NSEIT Ltd. and Bizzlon Management Solutions Pvt. Ltd. done as further expansion of departmental Consultancy work.

Furthermore, Department is going to organize Government certified course on "Field Technician –Computing and Peripherals" under the Sponsorship scheme "Pradhan Mantri Kaushal Vikas Yojana" (PMKVY). Last year department has conducted social activities like tree plantation, women empowerment for the betterment of students and society.

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

- Prof. Archana Nayak

## Teaching & Supporting Staff Members

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



## Desk of Head of Civil Department

Civil Engineering is a professional engineering discipline that is considered to be the most versatile branch among all the branches as it consists of large number of real life applications as compared to other fields of Engineering and Technology. Civil Engineer is considered as the base of modern civilization.

As the Civil Engineering is a wide-ranging profession, including several specialized sub-disciplines, its history is linked to knowledge of structures, materials science, geography, geology, soils, hydrology, environment, mechanics and other fields. It is the application of physical and scientific principles for solving the problems of society.

Department of Civil Engineering consists of well-developed laboratories equipped with instruments for soil testing, material testing, geology, applied mechanics, environment engineering and transportation engineering. Seminars, expert lectures and workshops get conducted by inviting experienced and knowledgeable faculties from the various institutes in order to enhance the practical knowledge of the students by making them aware about the various on-site and off-site existing difficulties with the best possible solutions for them. Technical tours and visits to the industries and water treatment plants also get organized for the students.

Department of Civil Engineering consists of a team of qualified and experienced staff members to serve the best of their knowledge for the students up gradation. There are total 14 members in teaching staff and 4 members in non-teaching staff having specialization in various fields of Civil Eng. such as Structure Eng., Transportation Eng., Urban Planning, Water Resources Management and Geotechnical Eng., serving their best for the welfare of the society through proper training of the civil students.

- Prof. Vikunj Tilva

## Teaching & Supporting Staff Members

Sr. No.	Staff Name	Designation	Qualification
1	Prof. Vikunj K. Tilva	Asst. Prof. & Head	M.E. (CASAD.)
2	Prof. Nilesh R. Parmar	Assistant Professor	M. Tech (Structural Engineering)
3	Prof. Sunil V. Jaganiya	Assistant Professor	M. Tech (Structural Engineering)
4	Prof. Pritesh R. Rathod	Assistant Professor	M. Tech (Structural Engineering)
5	Prof. Rajan kumar J. Lad	Assistant Professor	M.E. (Transportation Engineering)
6	Prof. Manali S. Shah	Assistant Professor	M.E. (Water Resources Management)
7	Prof. Mamta D. Patel	Assistant Professor	M.E. (Water Resources Engineering)
8	Prof. Mihir B. Naik	Assistant Professor	M.E. (Construction Management)
9	Prof. Mehul K. Gamit	Assistant Professor	M. Tech (Urban Planning)
10	Prof. Krutika Chauhan	Assistant Professor	M.E. (Structural Engineering)
11	Prof. Jaldip J. Patel	Assistant Professor	M. Tech. (Structural Engineering)
12	Prof. Fenil R. Gandhi	Assistant Professor	M.E. (Water Resources Engineering)
13	Prof. Nimit J. Raval	Assistant Professor	M.E. (Highway and Transportation Engg.)
14	Prof. Hemina Z. Patel	Assistant Professor	M.E. (Environmental Engineering)
15	Ms. Anita P. Patel	Lab Assistant	Diploma Civil Engineering
16	Ms. Bina D. Patel	Lab Assistant	Diploma Civil Engineering
17	Ms. Foram D. Patel	Lab Assistant	B.E. Civil Engineering
18	Mr. Shailesh 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 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. Dhaval K. Patel

## Teaching & Supporting Staff Members

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



## Desk of Head of Automobile Department

### MISSION

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.

The need of day is quick, cheap and easy transportation. With a population of over a billion people the automobile industry of our country can only grow by leaps and bounds.

To cater to the needs of ever expanding automobile industry, the department proposes an ever progressing process of learning and skill development to the eager students. The department consists of a committed faculty and well equipped labs like automotive components Lab, Engine performance and Emission testing Laboratory, Vehicle Servicing Laboratory, Automotive Sensors and Controls Laboratory, Automotive Electrical and Electronic Laboratory, Automotive

Embedded Systems Laboratory, CAD/CAM center, Thermal Engineering Laboratory, etc. The software packages available in the department include Pro-E, CATIA, ANSYS, for the faculty and aspiring students to pursue their research and project work.

The department also encourages all round development of students by conducting guest lecturers, arranging various in-plants training to get more practical knowledge, fieldtrips, recreational activities, industrial visits to renowned industries, supporting SAE (Society of Automobile Engineers events and also arrange Pradhan Mantri Kaushal Vikash Yojana (PMKVY) programs to train the unemployed youths.

- Prof. Toral V. Patel

## Teaching & Supporting Staff Members

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



## 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, most of them are also pursuing their Ph. D. for attaining perfection in their profession. Recently two faculties; Prof. Harshal Vashi & Prof. Nisha Parekh have qualified GSET examination in 2017.

ASH department is consciously focused for the performance of the faculties as well as the students. In recent year 2017 two Short Term Training Programmes (STTP); "Recent Trends of Mathematics in Science & Technology & Research Methodology for Academia" were organised to increase the potential of the faculty members as well as the students for awareness regarding current scenario.

This year GUGCOST has approved Design Lab, by providing Research Instruments worth of Rs.25,00,000/- under my project co-ordinatorship & Rs.30,000/- for organising STTP on "Designing Mathematical Model in different fields of Engineering" which is proposed to be organised in 2018.

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 & Head	M.Sc., Ph.D. (Mathematics)
2	Prof. Harshal G. Vashi	Assistant Professor	B.E. (I & C), M.B.A. (H.R.), GSET Qualified, 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	Prof. Mansi K. Desai	Assistant Professor	M.Sc.(Mathematics), Ph.D. Pursuing
6	Prof. Megha K. Tailor	Assistant Professor	M.Sc.(Mathematics), Ph.D. Pursuing
7	Prof. Ishita V. Panchal	Assistant Professor	M.B.A. (H.R.)
8	Prof. Nisha S. Parekh	Assistant Professor	M.A. (English), M.Phil., (English), GSET Qualified, Ph.D. Pursuing
9	Prof. Harshit K. Naik	Assistant Professor	M.Sc. (Mathematics)
10	Mr. Aakash N. Patel	Lab Assistant	M.Sc.(Physics), Diploma in Mechanical Engg.
11	Mr. Bhavin Patel	Lab Attendant	H.S.C

## 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	Mr. Naik Ritesh R.	Administrative Assistant	B.B.A.
2	Mr. Patel Sanjay T.	Accountant	M. Com, LLB
3	Mr. Shukla Darshan N.	Clerk	B. Com, MBA
4	Mr. Patel Manish S.	Clerk	B. Com, LLB
5	Ms. Desai Jigna J.	Clerk	B. Com
6	Ms. Kajal Naik	Clerk	B.C.A
7	Mr. Desai Nirav N.	Store Keeper	B. Com
8	Mr. Viral I. Patel	Network Admin	M.E. Computer
9	Mr. Patel Parimal R.	Electrician	I.T.I.
10	Mr. Patel Sunil N.	Attendant	HSC
11	Mr. Deshmukh Gautam A.	Attendant	HSC
12	Ms. Patel Priti P.	Attendant	HSC

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**B/01, 1<sup>st</sup> Floor, Bamji Building, Opp. Luncikui Ground, Navsari.**

## 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 : 1557	Volumes : 7551	
Journals & Periodicals	International Journal	13	59
	National Journal/Magazine	46	
E Journal	DELNET, JGATE		
Newspaper	5 (English & Gujarati)		
Total number of CD/DVD	342		
Software	SOUL 2.0 software connected with INFLIBNET, Ahmedabad.		

### Library Staff:

Sr.No.	Name	Designation	Qualification
1	Ms. 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



## GDEC Incubation Centre



GDEC Incubation Centre has gained In-Principle approval under the Electronics & IT/ITes Start-up Policy 2016-21 (the scheme of Assistance for Incubators and Start-ups) from Department of Science & Technology (DST), Government of Gujarat. Under this policy Incubator will host start-ups from Electronics & IT/ITes and other innovative technological segment. Under this scheme many start-ups/ideas has shown their interest and are on their way to become a flourished enterprise.

### Objective

The main objective of GDEC Incubation Centre is to incubate and nurture the aspiring Start-ups in all possible way to be a self-sufficient flourished enterprise with focus on Technology & Innovation Segment.

### Approach of GDEC Incubation Centre

**Identifying / Exploration:** Thorough study of the innovative idea/project for the proper identification of the start-up.



**Essential Support:** Centre will provide all the essential infrastructural facilities.

**Mentoring:** A dedicated technical mentor will be allocated to each start-up individually to grow flawlessly.

**Consulting:** Centre will collaborate with Legal consultants to provide the facility to start-Ups at single point of contact.

**Funding:** Centre will provide guidance for availing third party funding apart from availing the assistance under the Scheme.

**Promoting:** GDEC Incubation Centre will not leave the hand of start-up as soon as it enters the business Environment but also stand by with its business promotions to grow it in actual manner.

### Outcomes

With this extensive and profound initiative, GDEC Incubation Centre serves as a catalyst for the regional entrepreneurial growth. This will eventually lead to the following benefits to the industry and society:

- Creating jobs for local community.
- Fostering community's entrepreneurial climate.
- Commercializing technologies & Diversifying local economies.
- Building or accelerating growth of local industry.
- Encouraging entrepreneurship.

## Business Accelerator & Start-Up Cell

The Business Accelerator and Start-Up Cell of GIDC Degree Engineering College supported by Centre for Entrepreneurship Development (CED) a Govt. Of Gujarat Organization was officially inaugurated on 24th November 2017 by Dr. Ram Nath Prasad Director, CED, Gandhinagar in the presence of Trusty Members of GIDC Education Society along with Principal, HODs and Faculty members of GDEC.

The collaborative Vision, Mission and Objective of BCC and CED is as highlighted below :

### **Vision :**

Empowering youth through Skill and Entrepreneurship.

### **Mission :**

- To conduct multiple Entrepreneurship Development Programme every year.
- To conduct Skill cum Entrepreneurship Programme every year for the 2nd generation Entrepreneurs.
- To organise number of Achievement Motivation Training programme for existing faculties, staff and employees at different level.
- To create large number of Industry Responsive Skilled Manpower (including Up-skilling) along with Skill assessment and placement.
- To make a special approach for empowerment of women through Skill and Entrepreneurship.

### **Objective :**

- To promote and implement Industry Responsive Skill and Entrepreneurship Development among the aspiring youth.
- The process will be expected to enable industrial and sustainable growth along with empowering the young generation.



## INDIAN SOCIETY FOR TECHNICAL EDUCATION

It is a matter of pleasure for us that GIDC Degree Engineering College has been the Life Member ( LM 2627 ) of The Indian Society for Technical Education (ISTE). Under ISTE GDEC will run "STUDENT CHAPTER" as well as "FACULTY CHAPTER". Now GDEC will organise different kind of technical events to update and motivate the faculties as well as students to enrich their knowledge in the technical education and hence to enhance their innovative ideas to put into public and social utility tool. As a part of the policies to function the technical activities under the banner of ISTE in a smooth and proper way, the following college level committee has been formed:

### **ISTE Committee:**

Dr. K. N. Mistry (Chairman), Dr. S. S. Patel (Secretary), Prof. H. G. Vashi (Treasurer), Dr. H. S. Patil (Member) Prof. Archana M. Naik (Member), Prof. Vikunj K. Tilva (Member), Prof. Toral V. Patel (Member), Prof. Dhaval K. Patel (Member).

### **Committee for STUDENT CHAPTER of ISTE:**

Dr. D. C. Patel, Prof. M. R. Patel, Prof. Hariketan B. Patel, Prof. Hetal M. Patel, Prof. Brijesh U. Patel, Prof. Bhumika H. Patel, Prof. Pritesh R. Rathod, Prof. Mamta D. Patel, Prof. Fenil R. Gandhi, Prof. Ashish O. Jain, Prof. Ankit K. Patel, Prof. Mayur Jalanpurkar, Prof. Ketan K. Lad, Prof. Rohit B. Damor, Prof. Ankur P. Desai

## GUJCOST Sponsored DESIGN LAB

GUJCOST (Gujarat Council on Science and Technology) has sponsored DESIGN LAB at GIDC Degree Engineering College, Navsari. GUJCOST has approved DESIGN LABs at 8 institutes across the state and its a privilege for GIDC Degree Engineering College to be one of them. GUJCOST will provide various advance equipment/instrument costing Rs. 25 Lakhs for innovative and research level projects. Shri P. R. Bhatt, Member Secretary, GIDC Education Society had inaugurated the DESIGN LAB on 30th August, 2017 in presence of all trustee members of GIDC Education Society.

In order to provide an enabling environment and ecosystem for creative thoughts and ideas of young students as well as researchers, the Government of Gujarat has set up the Design Labs, which are the conceived physical space in either of universities, colleges or research institutions across the State.

Gujarat Council on Science and Technology (GUJCOST), Government of Gujarat, working under the auspices of the Department of Science & Technology (DST), Government of Gujarat has been emerging as an effective and large scale science promotion and popularization platform in the state. GUJCOST has been assigned to execute this scheme of establishment of Design Lab with appropriate concept and content in different educational institutions in the State.

The design lab is coordinated by Dr. S.S.Patel and Prof. Harshal Vashi in coordination with all departments.

### Objective of Design Lab

- Create culture of innovation
- Fostering creativity and innovative imagination of student and researcher.
- Provide opportunity and a platform to the person with an innovative mindset.
- Working with tools and equipment to transform their ideas into products.

## Engineeria 2017 International quiz competition

CADD Centre has organised "Engineeria 2017 International quiz competition" at GIDC College, Abrama (Navsari). Students from Mechanical and Automobile department has participated in this competition.



## Solidworks Training Center

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



## SKILL UP GRADATION CENTRE (SUC)

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, Mr. D.C.Patel, Mr. J.K. Patel.

## STAAD PRO. SOFTWARE TRAINING

Department of Civil Engineering has completed 1st Training Program by using STAAD Pro. Software. Under that 23 final year students train as professionally. This course was guided by Asst. Prof. Tilva Vikunj K. And Asst. Prof. Sunil Jaganiya. Total funding(Rs. 1,03,500)



## **Vocational Training Centre – Under Pradhan Mantri Kaushal Vikash Yojana:**

GDEC Vocational Training Centre approved under Pradhan Mantri Kaushal Vikash Yojana (PMKVY). Under the aegis of GIDC Education Society, GDEC has initiated GDEC Vocational Training Centre to establish industry-relevant skill in local youth via professional training to help them secure better livelihood/employment.

Pradhan Mantri Kaushal Vikash Yojana (PMKVY) aims to train the unemployed youth in Engineering skills through AICTE approved Engineering Colleges. The Technical institutes have to utilize their existing infrastructure for offering these courses in the off-college hours such that the unemployed youth enrolled for these courses shall acquire adequate skills under the National Skill Qualification Framework (NSQF) and find suitable placement/self-employment. All courses are Free of cost.

### **1. COURSE: FIELD TECHNICIAN - COMPUTING AND PERIPHERALS(COMPUTER ENGINEERING DEPT.)**

**Course Objective:** This course is aimed at training candidates for the job of “Field Technician Computing and Peripherals” in the electronics sector and by the end of the programme, candidates will be able to install, configure and setup the system, troubleshoot and replace faulty module, perform basic repairing of computer hardware and troubleshooting computer software

**Eligibility Criteria:** 12th Pass Training Duration: 200:00 Hours

**Job Opportunities:** Job as Field Technician; Job as Lab Assistant; Job as Lab Technician; Computer Operator in Industry; Job as Computer Technician (in schools); Computer Hardware Servicing

### **2. COURSE: CNC OPERATOR-VERTICAL MACHINING CENTRE(MECHANICAL ENGINEERING DEPT.)**

**Course Objective:** This course involves the operation training on VMC machine producing components that combine a number of different features, such as flat faces, parallel faces, faces square to each other, faces at an angle, steps/shoulders, open and enclosed slots, drilled, bored and reamed holes, internal threads, and special forms. It involves continuously monitoring, inspecting the components and meeting production targets.

**Eligibility Criteria:** 10th Pass (SSC) Training Duration: 300 Hours

**Job Opportunities:** Operation of Computer Numerically Controlled (CNC) vertical machining centre (VMC), in order to perform machining operations on metal components, as per specifications provided. Get opportunity as VMC operator in national and multinational companies.

### **3. COURSE: AUTOMOTIVE SERVICE TECHNICIAN(AUTOMOBILE ENGINEERING DEPT.)**

**Course Objective:** After completion of training candidate will be able to service 2 wheelers, 3 wheelers, 4 wheelers and commercial vehicles by applying theoretically & practically concept. Also develop supervisory & Managerial skills for a workshop.

**Eligibility Criteria:** 8th Pass Training Duration: 400 Hours

**Job Opportunities:** Students will get job in Various Automobile companies (2 wheelers, 3 wheelers, 4 wheelers & commercial vehicles) Service stations/ Workshops across All over India

### **4. COURSE: MASON GENERAL (CIVIL ENGINEERING DEPT.)**

**Course Objective:** Map Reading Work, Footing Work Brick Work Plastering work, flooring work

**Eligibility Criteria:** 5th Pass Training Duration: 400 Hours

**Job Opportunities:** At Different Civil Engineering Work in Construction industry

### **5. COURSE: DISTRIBUTION LINEMAN(ELECTRICAL ENGINEERING DEPT.)**

**Course Objective:** Distribution lineman constructs, operates, maintains and repairs overhead and underground power distribution systems.

**Eligibility Criteria:** 8th pass & 2 years as technical helper/apprenticeship Training Duration: 350 Hrs

**Job Opportunities:** As a Lineman in Electricity Board



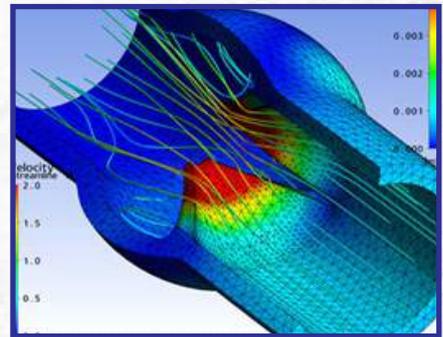
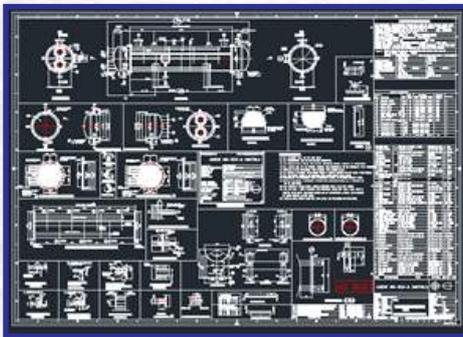
# Consultancy Services Offered

## MECHANICAL & AUTOMOBILE Engineering Department

We provides detail engineering services, conforming to global standards such as ISO, ASME and DIN, while considering production requirements and customers' production facilities. Our 2D to 3D conversions can transform your 2D images to accurate 3D models, providing easy visualization and helping in faster project completion

FEA experts are skilled in both static and dynamic structural analysis. Our Analysis team also uses Computational Fluid Dynamics (CFD) tools to analyze and solve issues relating to fluid flow and Plant Design.

Our mechanical design engineering services for process plants include mechanical/thermal design and analysis for pressure vessels and heat exchanger, storage tanks and vessels, package units as per ASME, TEMA, API, NFPA, OSHAS etc. The expert team delivers support to clients needing assistance during conceptual studies, front end engineering and detailed engineering. We have capability to participate and contribute to Process Hazard Analysis (PHA) or Hazard and Operability Study (HAZOP) initiatives.



## ELECTRICAL Engineering Department

Our electrical department provides a range of custom electrical product testing, including fuse testing, energy meter testing. GDEC undertake minor or major product development based on microcontroller & automation.

Our hardware development services includes System Architecture, Circuit Design, PCB Layout / Design, Integration of IP Cores, Reference Designs, Verification and Testing, Technical Documentation Support. We also provide PLC & SCADA Automation service as per client requirement.

## COMPUTER Engineering Department

Computer engineering team is well equipped to deliver professional solutions to each and every size of enterprise seeking computer based solutions for the needs, empowerment and growth of particular enterprise.

Software solutions

Development of desktop and web based application software like inventory system, biometric attendance system, payroll system, company website, online shopping website etc. any sort of need based software as per the requirement of firm.

Multimedia solutions

Audio visual presentations of company profile, product and service advertisement to make an effective impression on consumer. Image audio and video editing for various needs like presentation of products, audio and video advertisements, short films, documentaries etc.

Resource Utilization in collaboration

College hosts various competitive exams in collaboration with Tata Consultancy Services Ltd. Under iON Assessment project. College has ready IT infrastructure to manage and host such activities in collaboration with willing company.

## CIVIL Engineering Department

The department is offering laboratory testing, field testing and consultancy services in these areas.

**Laboratory Testing** :Measurement of compressive, tensile, flexural stress etc, test of material like cement, brick, concrete, paver blocks etc.; Test related to sand, Aggregates and self-compacting concrete; Soil test like consistency limits, soil classification swelling pressure, shear parameters, permeability, relative density, compaction, compressibility, California bearing ratio. ;Bitumen test like penetration, viscosity, softening point, ductility, bitumen content for paving mixture;Water and sewage related test like BOD, COD, PH value, Hardness, Alkalinity, Acidity, Chloride, Residual chorine.

**Consultancy Services:** Concrete mix design, structure design using software , structure design proof checking, project monitoring consulting work, stability check of structures.; Assessment of bearing capacity of soil and rock, prototype footing testing, solution to problems in expansive soil, slop stability problem; Road safety audit, traffic volume study, practical capacity of road way, spot speed study, traffic saturation design, traffic signal design.



# Testing & Consultancy at GDEC 2017-18

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, the institute provided the following services to the various agencies

## Computer Engineering Department

GIDC Degree Engineering College is in facility agreement with Tata Consultancy Services Limited (TCS) since 01-09-2014. Under this agreement Computer Engineering Department has successfully hosted many online examinations in collaboration with TCS. As a Test Center Administrator Ms. Archana Nayak (Head, Computer Engg. Dept.) leads a dedicated team which is well equipped to deliver quality services.

**Team Members :-** 1) Kaushik Patel 2) Kaushal Kevadia 3) Brijesh Patel 4) Hetal Patel 5) Pankti Naik 6) Bhumika Patel 7) Mihir Mishra 8) Kushal Patel 9) Vibhuti Patel 10) Tejas Patel 11) Himanshu Patel 12) Amruta Naik 13) Nilesh Patel 14) Viral Patel 15) Ritesh Naik 16) Manish Patel 17) Hitesh Patel 18) Divyesh Patel 19) Parimal Patel 20) Harish Patel 21) Anil Patel 22) Sunil Patel

Following are the details of Online Exams held till date for the Financial Year 2017-18:

Sr. No.	Name of Examination / Exam Conducting Authority	Date/s	Candidate Count	Revenue Earned (INR)
1	GETCO	10 - Jun - 2017	136	12940
2	Gujarat Metro (MEGA)	1,2,3 - Jul - 2017	821	69220
3	NABARD	08 - Sep - 2017	135	15535
4	UIICL	22 - Sep - 2017	271	17050
5	BOB Prom	24 - Dec - 2017	61	8500
6	BOB Prom	07 - Jan - 2018	25	5675
<b>Total</b>				<b>128920</b>

## 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	28/12/2017 - 11/01/2018	1,08,000/-

## Electrical Engineering Department

Name of Faculty	Title	Agency	Period	Grant Mobilized (in Rs)
Prof. Ketan K. Lad, Prof. Dhaval K. Patel, Prof. Rohit B. Damor	Value Added course on "Introduction to AVR microcontroller and programming in embedded C"	Electrical engineering students and industry participant	27 June - 7 July, 2017	5635/-

## Civil Engineering Department

Name of Faculty	Title	Agency	Grant Mobilized (in Rs)
Prof. Tilva Vikunj K. Prof. Nilesh R. Parmar Prof. Sunil Jaganiya Prof. Pritesh Rathod	Proof checking of structural design and drawing for Multilevel shed (G+4)	Civil engineering students and industry participant	5,83,609/-

## Industry Sodh Yatra (ISY)

### Computer Engineering Department

Final Year (2018 Batch) student of Computer Engineering Department has taken Industrial Training at around 14 software Companies during 1-18th June, 2017 as part of their Industry Sodh Yatra (ISY) program of GTU.

Students have visited following industries for Training:

Atul Infotech Pvt Ltd, Bosleo, Casepoint pvt. ltd, Confluence software solution, IIHT, LA NET TEAM SOFTWARE SOLUTION pvt. ltd, Mango Software, Sailfin Technologies, SoftTrinity IT Solutions, Synergy Info solution, TECHNO HEAVEN Consultancy, TOPS TECHNOLOGIES Pvt Ltd., Ufficio India Software Consultant Pvt Ltd, Webtechpro

### Winter Training

Ruju Desai, student of Computer Engineering department has started winter training at Atul Limited, Valsad since December, 2017.

### Participation in Job Fair

Kushang Oza, Sumit Patil, Nikam Rohit has participated in GTU - ITAP organized Centralized Placement Drive for Final Year students For "IMS Interactive Man power solutions ltd."

### Civil Engineering Department

Last year (7th sem ) students of Civil Department had done their training in various civil sectors and companies relating to their "Sodh Yatra" and training work. Some of them are listed below: (from news paper July 2017)

### Electrical Engineering Department

Total thirty nine final year student from Electrical Engineering has successfully completed industrial training in following companies

Sardar Sarovar Hydro Power Plant, Atul Pvt. Ltd. , Valsad, Uttran Gas Based Power Plant, Trans Electro (Gundlav) , Gokul Anand Petrofibers(Sachin),Getco(Navsari), Rahat Electric Work(Surat), Vikrant Transformers(Maroli), Rem Electromach. Pvt Ltd(Surat), Tushar Enterprise, (Sachin), GEB(Varacha, Surat)

Prof. Dhruvang R. Gayakwad & Prof. Khyati Naik visited Theis Precision Pvt. Ltd at Navsari.

### Mechanical Engineering Department

Mechanical final year students visited various GIDC industries for Industrial ShodhYatras in order to identify the Industry Defined Project for final year project work. Students have been taken 2-3 weeks industrial training in summer 2017 at industries like- Suresh Mechanical Works-Navsari; EM. Tech Fabricators-Navsari; NaranLala Pvt Ltd- Navsari ;Nova Tech Engineers- Navsari; Hydrotronics-Billimora; Sumul Dairy-Surat; Utran Gas Based Power Station-Surat; KWENG ALLOYS PVT. LTD.- Billimora; NHB BEARINGS LTD.- Amalsad, Techno Gears - Valsad; Mech Engineers- Valsad



## 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.

## Placement Details of GDEC

Name of Recruiter	No. of Student Selected	Branch
Meta Tree System Pvt. Ltd., Surat	01	Computer Engineering
BosLeo Technology Pvt. Ltd, Valsad	01	Computer Engineering
La Net Team Software Solutions Pvt. Ltd., Surat	01	Computer Engineering
S.S. Infrastructure, Surat	05	Civil Engineering
HLE Engineers Pvt. Ltd., Maroli	02	Mechanical Engineering
Goldenmace IT Solutions	04	Computer Engineering
Softyoug Solutions, Vapi	12	Computer Engineering
Kataria Automobiles Pvt. Ltd., Navsari	02	Automobile Engineering
SSM InfoTech Solutions Pvt. Ltd., Surat	04	Electrical Engineering

## Training & Placement Team

**I/c Training & Placement Officer:** Prof. Harshal G. Vashi,

**Members:** Prof. Sunil Khokhar, Prof. Manali Shah, Prof. Bhumika Patel, Prof. Ankur Desai, Prof. Tarun Patel, Prof. HarshitNaik, Ms. Jigna J. Desai



## 71<sup>st</sup> Independence Day

The National festival of 71<sup>st</sup> Independence Day was celebrated with joy and pride at GIDC Degree Engineering College, Abrama, Navsari, in the valuable presence of honourable Mr Suraj Savaliya (C & MD Patson Group of Companies) & Mr J. G. Gamit (SE GIDC, Surat) along with the trustees, Principal sir, teaching, non-teaching, supporting staff & students. After the introductory words about Independence Day by Assi. Prof. Harshit Naik, Principal Dr. K. N. Mistry welcomed all the guests. The flag was unfurled by Shri J G Gamit. Everyone gave respect to the national flag by saluting it and by rhythmic singing of the National Anthem. Top 3 students of final year (CGPA wise) of each branch were honoured on Independence Day with certificate of excellence. All the guests gave the inspirational speech to all of us. Prof. Dr. Shailesh S. Patel gave vote of thanks to everyone. After completion of the formal ceremony, 7<sup>th</sup> Semester students presented posters of their final year project work and 1<sup>st</sup> Semester students presented posters on various innovative topics. In this way the 71<sup>st</sup> Independence Day was successfully celebrated with zeal and pride at our institute.



## Kanuni Shibir

GIDC Degree Engineering College, Navsari arranged KANUNI SHIBIR through DISTRICT LEGISLATIVE AUTHORITY for the students. The guidance and information regarding anti-raging was given by ternate advocate Mr. Pareshbhai Vatvecha and cooperated by PSI of Jalalpore Mr. P.K. Gohil and their team. The Programme was coordinated by Prof. Dr. Shailesh S Patel and Assi. Prof. Harsha G Vashi.

## Engineer's Day Celebration

Engineer's Day was successfully celebrated on 15<sup>th</sup> September, 2017 at GIDC Degree Engineering College in honour of the birthday of M. Vishwesaraiya. Around 30 students from all the departments participated in the celebration by presenting their innovative projects. Many faculties remained present during the celebration and took keen interest in it. The students enjoyed the celebration and also got inspired form their seniors to do innovative projects and show their skills. The whole programme was coordinated by Prof. Dr. Shailesh S. Patel and Assi. Prof. Nisha S. Parekh.



## Orientation Programme

Orientation Programme for the newly admitted 1st year student was successfully organized by Dr. Shailesh S. Patel and Assi. Prof. Nisha Parekh on 27th July, 2017 at GIDC Degree Engineering College, Navsari.

Dr. K.N. Mistry presided over the function along with the concerned department HODs. Principal welcomed all the students in the environment of the college campus and motivated the students to show their skills in the career. Dr. Shailesh Patel provided all the information regarding the bridge course and other infrastructure and facilities like library, transportation, laboratories, canteen, etc. the program was anchored by Assi. Professor Nisha Parekh. C.A Vinodchandra Desai welcomed all the students by motivational speech. After the completion of the session, the parents meeting was conducted by Principal sir to take care of their wards and advised them to cooperate in disciplinary manner for the betterment of the students. At the same time students were taken for the college tour by respective department faculty members to introduce about the facilities provided by the college.



## Blood Donation & Thalassemia Screening Test Programme

Donation of Blood means a few minutes to you but a lifetime for somebody else. The finest gesture one can make is to save life by donating blood. Mechanical Engineering Department, in association with Lions Club & Red Cross Society, Navsari organized blood donation camp & Thalassemia Screening Test in the college premises on 13<sup>th</sup> September, 2017. Eighty six units of blood have been collected so far. Thalassemia Screening Test was conducted for all the newly admitted first year students.

The Principal Dr. K. N. Mistry acknowledged the organizing team of the camp. The camp was organised by Dr. H.S. Patil with a team of Prof. Nitish Lad, Prof. Tarun Patel, Mr. Divyesh Patel, Mr. Ismail Saiyad, Mr. Kiran Naika and Mr. Bhavesh Tandel. This camp helped students in getting awareness about their social responsibilities and showed enthusiastic participation for the same.



## International Yoga Day Celebration

International Yoga day was successfully celebrated at GIDC Degree Engineering College on 21st June, 2017 under the guidance of Prof. Dr. Shailesh S. Patel Sir. All the faculties enthusiastically participate in the celebration.



## Career Awareness Programme

Career Awareness Programme was held by GIDC Degree Engineering College under the guidance of Dr. S.S. Patel & Prof. Harshal.G. Vashi at various places like R.K. Naik Sarvajanic High School Sarikhurad, Vapi Industrial Association Hall Vapi, Mahida Bhavan Surat & GDEC Campus Navsari. Prof. Ishita Panchal, Prof. Kaushik Patel, Prof. Jai Desai & Prof. Kunal Hathiwala successfully provided the guidance regarding availability of vast fields after 12th.



## Ganesh Mahotsav

On 25 August, 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, 31 August, Ganesha Visarjana was held.



## Navratri Celebration

Gujarat's Navratri Festival, is a "Circle of ecstasy" that throbs students in a fusion of dance and devotion. This year students of Electrical Engineering Department celebrated Navratri on 28th September, 2017. The function started with the Aarti by worshiping goddess "Amba" and then dancing on the melodious tunes of garba. This function strengthens the student- faculty relationship and senior-junior bonding. It also gave the students an opportunity to participate in extra activities other than curriculum.



## Company Visit by Computer Engineering Department Faculties

Prof. Kushal D. Patel of Computer Department visited diverse IT companies at Navsari. He invites companies to visit our college for the campus placement for the final year students. In addition, they request companies to facilitate training to the pre final year students for their final year projects. Various companies responded with positive response and ready to come for campus as per their requirement in nearer future.

## Virtual Placement

Training and placement cell of Department of Computer Engineering has organized Virtual Placement for the final year student to consider employability and the development of work-related skills. By appearing in virtual placement students get following experiencing

- Perception about various stages of Interview
- Improve awareness regarding questions during various stages of interview
- Develop technical/HR interview experience

For the Virtual placement Prof. Harshal Vashi has delivered Lecture on “How to make effective Resume”. Prof. Ishita Panchal guided students how to present oneself during Group discussion. In the first round, Aptitude and Technical test was conducted for an hour. In the second round, Group discussion was carried out on various topics. In the final round personal interview for all the students had been organized. Students got fruitful experience to prepare themselves for the upcoming campus placement.



GDEC has also done new agreements with NSEIT Ltd. and Bizzlon Management Solutions Pvt. Ltd. through Computer Engineering Department as an expansion of departmental Consultancy work which may serve as key initiative towards financial benefit for institute in future.

Department Poster presentation competition for each semester was arranged in Automobile Engineering Department on 11th August, 2017. Total of 68 students participated successfully with around 20 posters from all semesters.

Prof. Pritesh R. Rathod has organized one day seminar on “Carrier Opportunity” with Academy Surat for civil department student.



## Open Source Technologies Club (OSTC) Electrical Engineering Department

Open Source Technologies Club (OSTC) initiative for all the GTU affiliated college. Workshop organized by Prof. Ketan K. Lad, Prof. Dhaval K. Patel, for 7th semester student of Electrical Engineering on dated 14th & 21st September 2017. As well as for 5th and 3rd semester on dated 16th September, 2017. Total 144 students have participated in this course.



## Mechanical Engineering Department

To take benefit of GTU OSTC initiative Gidc Degree Engineering College, Navsari, Gujarat, had set up an Open Source Technologies Club (OSTC) in collaboration with Team Spoken tutorial, IIT Bombay. Mechanical Department had organized a one day workshop for 3rd, 5th and 7th semester students. By conducting this self-learning workshop, students are able to learn different courses and develop program under the guidance of OSTC coordinators of Mechanical Department, Prof. Hariketan B. Patel and Prof. Tarun N. Patel and supporting staff Mr. Jatin Patel, Mr. Hitesh Patel and Mr. Brijesh Patel.

This workshop enables individuals to not only focus on technical skills but also facilities to learn how to self-learn. After 2-3 weeks later as per college schedule, students are able to give examination and if students get above 40% marks then he/she get IIT-Bombay E-certificate according to the different courses.



Software	Number of students	Date and Time
OpenFOAM	47 (7th Semester)	10-10-2017, 9.00 a.m to 11.00 a.m
SciLab	73 (5th Semester)	10-10-2017, 11.15 a.m to 01.15 p.m
QCAD	87 (3rd Semester)	10-10-2017, 01.30 p.m to 03.30 p.m

## Computer Engineering Department

GTU has introduced Open Source Technologies Club (OSTC) initiative for all the GTU affiliated colleges in collaboration with Spoken Tutorial Project-IIT Bombay. The objective of Spoken Tutorials is to learn Free and Open Source Software. It helps the students to learn complicated topics through simple tutorials and also proves cost effective. This method is highly conducive to self-learning. An Open Source Software which is very useful for research work for students as it is freely available, no licenses is needed. Spoken Tutorial Project managed by IIT Bombay, which is helpful to learn the functioning of all Open Source Software from anywhere and anytime by using their portal. GIDC Degree Engineering College, Abrama has established Open Source Technologies Club (OSTC) through a tie up with OSTC Workshop Team Spoken Tutorial Team- IIT Bombay & GTU during academic year 2016-17.

Workshop Name	Year/Semester	Date
C and CPP	B.E. - II (Semester - III)	15/07/2017
Java and NetBeans	B.E. - III (Semester - V)	29/07/2017
GIMP	B.E. - IV (Semester - VII)	15/09/2017

Patron	Organizer	Department	Coordinator	Lab Assistant
Dr. K. N. Mistry	Prof. Archana Nayak	Computer Engineering	Prof. Mihir Mishra, Prof. Kushal Patel	Mr. Nilesh Patel



## Start-Up and Innovation Protothon

The Business Accelerator and Start-Up cell of GIDC Degree Engineering College (GDEC), approved by Centre for Entrepreneurship Development (CED) Gandhinagar has organized one day workshop on “STARTUP & INNOVATION PROTOTHON” Under the sponsorship of Gujarat Council on Science & Technology (GUJCOST) and Gujarat Informatics Ltd. (GIL) Department of Science & Technology and supported by Centre for Entrepreneurship Development (CED), Government of Gujarat on 24th November, 2017. The workshop inaugural commenced with Lamp Lightening by C.A. Vinodchandra Desai-Trustee Member, GIDC Education Society, Dr. A. K. Dave-Trustee Member, GIDC Education Society, Shri. Pankajsinh Thakor-Ex. Pres. Navsari Chamber of Commerce, Shri. Anil Saraogi- Chairman, Executive Core Committee, The Southern Gujarat Chamber of Commerce & Industry(SGCCCI), Shri. Mayank Mehta-Deputy Manager from CED.

Dr. K. N. Mistry Principal, GIDC Degree Engineering College welcomed all the guests. In addition, he gave brief introduction about Speaker and invited Guests. Furthermore, gave information about College's Business Accelerator and Start-Up Cell and GDEC incubation Centre. He motivated participants to get the maximum benefit from the workshop. Dr. Ram Nath Prasad Director, CED, acquaint about Centre for entrepreneurship Development. He highlighted scope of entrepreneurship and Start up. He encouraged all the participants to meet the entrepreneur who have got immense success in their life. In addition, he recommended attendees to discourse with entrepreneur who experienced failure in their entrepreneurship. He believes that 20% success is achieved from training and 80% success is achieved from self-belief and efforts and passion of learning.

Shri. Anil Saraogi, Chairman, Executive Core Committee, the Southern Gujarat Chamber of Commerce & Industry (SGCCI), delivered an expert session on Awareness about overall Business Growth for Start-Ups. He started his session by explaining differences between entrepreneurship and start-ups. He recommended attendees to read various books related to entrepreneurship and start-ups. In addition, he explained why start-ups should value speed and strive for excellence over perfection. Dr. Sunil D. Kahar, Coordinator, Centre for Start-ups, Maharaja Sayajirao University (MSU), delivered expert session on Role of Industry-Academia Collaboration in promoting Student Start Ups Eco-System. He explained why Collaboration between academia and industry is increasingly a critical component of efficient national innovation systems. The benefits of university-industry linkages are wide-reaching.

Mr. Nikhil Suthar, Entrepreneur, Founder of Compu Talent & Novelta Tech & Co-Founder of Pixel Perfect Technology LLP – Profism, delivered expert session on Journey from Idea to Minimum Viable Product (MVP) & Start Ups policies. In this session, He brief audience with what is Start-Up & explained how does one come up with good Start-Ups ideas & how do one find problems worth solving.

Mr. Bhavik Patel, Patent & Trademark Attorney, Infinvent IP, Vadodara, delivered expert session on Patent Procedure for innovative ideas. He explained basics of patents and why patents are required for an invention. A patent is a government authority or licence conferring a right or title for a limited set period, especially the sole right to exclude others from making, using, or selling an invention. In this Worksoop 31 Faculty, 27 Students and 1 Entrepreneur Participated enthusiastically.

Prof. Dr. H. S. Patil, Archana M. Nayak, Prof. Sunil Jaganiya, Prof. Kaushal Kevadia, Prof. Nilesh Parmar, Prof. Kushal Patel, Prof. Mayur Patel, Prof. Ketan Lad, Prof. Harshal Vashi, Prof. Sunil Khokhar organized this workshop.



## Expert Lecture: Engine Emissions

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



## Workshop on “Energy Conservation awareness”

GIDC Degree Engineering College, Abrama hosted a One day Workshop on ENERGY CONSERVATION AWARENESS on dated 21st July 2017. The workshop was funded by GEDA (Gujarat Energy Development Agency), one of the premier organizations and a forerunner in India working in the field of renewable energy development and energy conservation. During the inaugural session our principal Dr.K.N.Mistry highlights on the renewable energy sources and added how GEDA is supported for energy based project, funding schemes etc. and emphasized the need for Energy Conservation. The program was delivered by Mr. R. N. Pandya – Dynamic Consultants, a GEDA Authorized Energy Consultant. During the program covered contents like today's energy efficiency scenario, climate change, energy efficient technologies, renewable energy technologies, many more. He makes whole training session very interactive with our students as well as faculty members. Our students has given very good feedbacks about the session and enjoyed it technically. Workshop is co-ordinated by Dr.H.S.Patil (H.O.D Mechanical), Prof.R.T.Patel (H.O.D Electrical), Prof.Ankur P. Desai, Prof.Bhavin S.Trivedi, Prof.Daksh R. Tandel and Mr. Kamlesh P. Sonwane. From mechanical and electrical departments total 107 students and 35 faculties participated for the whole session. The students, faculty coordinators, non-teaching staff and the Principal took pains to make this function successful. The topic generated good amount of interest amongst the participants and felt motivated to contribute to the subject in future.



## Workshop on “Arduino and its Programming”

A two day workshop on “Arduino and its Programming” is scheduled and organized by Prof. Ankur P. Desai in Electrical Engineering department to be held during 03-MARCH-2017 to 04-MARCH-2017. The main objective of this workshop is to promote programming skill of arduino which is inexpensive, open source platform for student project work and enhanced innovation in field of electrical engineering. Workshop is organized for Pre-Final and Final year students of electrical Engineering Department. About 42 students and some faculty members of electrical engineering department like Prof. Dharmishtha T. Patel, Prof. Prakuti Naik, Mrs. Apexa Desai, and Chetna Patel are attended the workshop. Prof. Rajesh T. Patel (Head of Electrical Department) and Principal Dr. K. N. Mistry also were present in the Two day workshop on “Arduino and its programming”. Principal Dr. K. N. Mistry addressed that they have to put efforts about new technology and innovation in final year project work. He also congratulated all participants for attending workshop. More twenty practical programs are performed by each participant. Also some of students created hardware implementation of programs on arduino board. Students are performed programming of LED interfacing, PIR sensors, Gas Sensor, Wifi Sensor with arduino under guidance of Prof. Ankur P. Desai.



## Workshop on “Control of Electrical Drives”

Electrical Engineering Department organized a Two Days Workshop on “Control of Electrical Drives” for electrical engineering students during 20 & 21 January 2017. Contents of this workshop helped students for their academic purpose. As this is a very advanced topics introduced by GTU, for this we have invited Dr. M. A. Mulla who is an expert in this area from SVNIT, Surat. Contents of this workshop include very important topics like DC drives & Dynamic Modeling and Vector control. About 75 students participated in Workshop. The faculties associated with the workshop were Prof. Dhruvang R. Gayakwad, Prof. Bhavin Trivedi & Mr. Kamlesh Sonwane.



## **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.

## **NPTEL Video series for Subject Element of Electrical Engineering**

Electrical Engineering Department, GDEC and team of Library Section has started new methodology of teaching and learning. NPTEL and other useful videos series under subject of Elements of Electrical Engineering was demonstrated to all first year students. The National Programme on Technology Enhanced Learning (NPTEL), a project funded by the Ministry of Human Resource Development (MHRD), provides e-learning through online Web and Video courses in Engineering, Sciences, Technology, Management and Humanities. Students were encouraged and benefited by this initiative taken by Electrical Engineering Department.



## **STTP on Research Methodology for Academia**

Applied Science & Humanities Department, GIDC Degree Engineering College, Navsari & Naran Lala School of Industrial Management & Computer Science, Navsari jointly organized “A One Week STTP on Research Methodology for Academia” during 10th July-14th July, 2017 under the guidance of enthusiastic coordinators Prof. Dr. Shailesh Patel & Prof. Harshal Vashi. The main objectives of the STTP were to understand the basic concepts of research and its methodologies, identify appropriate research topics, select and define appropriate research problem and parameters, prepare a project proposal to undertake a project and to write a research report, article, paper and thesis. Around 35 students from different fields participated in the STTP and get benefited from the expert lectures.

## Workshop and Seminar attended/participated

Faculty Name	Event Name	Organized By	Date/Month
<b>ASH Department</b>			
Prof. Harshal Vashi	2 Days Achievement Motivational Training	CED, Gandhinagar.	21 to 22 December-2017
Prof. Harshit K. Naik	UGC sponsored National Workshop on "Problem Solving Techniques in Mathematics -II"	Department of Mathematics, Faculty of Science, M.S. University, Vadodara	27 <sup>th</sup> Nov, 2017-1 <sup>st</sup> Dec, 2017
<b>Automobile Engineering Department</b>			
Prof. Toral V. Patel Prof. Ashish O. Jain Prof. Mayur J. Jalanapurkar	"Start-Up & Innovation Protothon"	GIDC Degree Engineering College, NAVSARI, ABRAMA.	24th Nov. 2017
<b>Civil Engineering Department</b>			
Prof. Vikunj. K. Tilva Prof. Nilesh R. Parmar Prof. Sunil V. Jaganiya Prof. Rajankumar J. Lad Prof. Mihirkumar B. Naik Prof. Manali S. Shah Prof. Mamta D. Patel Prof. Hemina Z. Patel	"Start-Up & Innovation Pronthon"	GIDC Degree Engineering College, NAVSARI, ABRAMA.	24 <sup>th</sup> November, 2017
Prof. Hemina Z. Patel	Attended two day National workshop on "Sustainable Approach towards Urban Water and Waste water management"	Sarvajanik College of Engineering and Technology, Surat	7 <sup>th</sup> -8 <sup>th</sup> February, 2017
<b>Computer Engineering Department</b>			
Prof. Archana Nayak, Prof. Kaushik Patel, Prof. Kaushal Kevadia, Prof. Hetal Patel, Prof. Brijesh Patel, Prof. Bhumika Patel, Prof. Pankti Naik, Prof. Avani Patel, Prof. Kushal Patel, Prof. Tejas Patel	"Start-Up & Innovation Pronthon"	GIDC Degree Engineering College, NAVSARI, ABRAMA.	24 <sup>th</sup> November 2017

*With Best Compliments from.....*

**Shri Hashmukhbhai Shah**  
**Kiran Threads**

**VAPI**



## Workshop and Seminar attended/participated

Faculty Name	Event Name	Organized By	Date/Month
<b>Electrical Engineering Department</b>			
Prof. Dhruvang Gayakwad, Prof. Bhavin Trivedi, Prof. Jay R. Desai	NPTEL Awareness	CHARUSAT, Changa	8 <sup>th</sup> April, 2017
Prof. Dhaval. K. Patel Prof. Ketan. K. Lad Prof. Rohit. B. Damor Prof. Bhavesh S. Patel Prof. Dhruvang R. Gayakwad Prof. Khyati K. Naik Prof. Jay R. Desai Prof. Dharmishtha T. Patel	Energy Conservation Awareness	GIDC Degree Engineering College, NAVSARI, ABRAMA.	21, July-2017
Prof. Bhavesh S. Patel	High voltage Engineering	UTU, Maliba	29 <sup>th</sup> & 30 <sup>th</sup> December 2017
Prof. Dhaval. K. Patel Prof. Ankur P. Desai	Electrical Vehicle Technology	Deshya technologies Pvt.Ltd. (Incubated by IIT Guwahati).	eight week, May-2017
Prof. Ankur P. Desai	Advances In UHV Transmission and Distribution	NPTEL	June-Sept, 2017(8 Week)
Prof. Dhruvang Gayakwad Prof. Bhavin Trivedi	Design of Photovoltaic Systems	NPTEL	July to October, 2017(12 week)
<b>Mechanical Engineering Department</b>			
Prof. D. C. Patel Prof. Hariketan B. Patel	Introduction to Robotics	2-day workshop at Sarvajanic College of Engineering and Technology, Surat	17-18 November 2017
Prof. Daksh R. Tandel	29 <sup>th</sup> Patent clinic program	GTU at Chandkheda	19-20 June 2017
Prof. Mayur R. Patel, Prof. Daksh R. Tandel, Prof. Bruhad S. Naik, Prof. Dharmik A. Patel, Prof. Nitish K. Lad, Prof. Dhaval S. Chaudhari, Prof. Krunal Hathiwala, Prof. Tarun N. Patel	Energy Conservation Awareness	GIDC Degree Engineering College, NAVSARI, ABRAMA.	21-7-2017
Prof. Mayur R. Patel (Organising Committee), Prof. Daksh R. Tandel, Prof. Krunal Hathiwala	"Start-Up & Innovation Pronthon"	GIDC Degree Engineering College, NAVSARI, ABRAMA.	24-11-2017



## STTPs & FDP Attended/Participated

Faculty Name	Event Name	Organized By	Date/Month
<b>ASH Department</b>			
Prof. Ishita Panchal, Prof. Mansi Desai, Prof. Megha Tailor	One Week Short Term Training Programme on "Research Methodology for Academia (RMA-2017)	Naran Lala School of Industrial Management and Computer Science, Navsari & GIDC Degree Engineering College, Navsari	3 <sup>rd</sup> to 8 <sup>th</sup> July-2017
Prof. Harshal Vashi	FDP on Transcending Newer Horizons in Management Teaching	Narmada College of Management Bharuch	28 <sup>th</sup> Aug. to 1 <sup>st</sup> Sept.-2017
Prof. Ishita Panchal	FDP on Research Methodology working through SPSS & NET Examination	GIDC Rajju Shroff Rofel Institute of Management, Vapi.	9 <sup>th</sup> & 10 <sup>th</sup> December 2017
<b>Automobile Engineering Department</b>			
Prof. Mayur J. Jalanapurkar	"Multi-objective Optimization methods for Engineering and Scientific Applications"	Dept. of Mechanical Engineering, IITRAM, Ahmedabad	26 <sup>th</sup> Dec 2017 to 30 <sup>th</sup> Dec 2017
<b>Computer Engineering Department</b>			
Prof. Bhumika H. Patel, Prof. Vibhuti P. Patel	Internet of Things and its Application (IoTA 2017)	S.V.N.I.T., Surat	5 <sup>th</sup> -10 <sup>th</sup> June, 2017 (6 days)
Prof. Brijesh Patel, Prof. Bhumika Patel	Android Programming & Mobile Application Development	Information Technology Department of BVM Engineering College	26 <sup>th</sup> - 31 <sup>st</sup> December, 2017(6 days)
Prof. Archana Nayak, Prof. Kaushik Patel, Prof. Kaushal Kevadia, Prof. Hetal Patel, Prof. Bhumika Patel, Prof. Mihir Mishra, Prof. Avani Patel, Prof. Kushal Patel, Prof. Tejas Patel	Internet of Things	Tata Consultancy Services (TCS iON   Digital Learning Empowering Learning Outcomes)	27 <sup>th</sup> September 2017
Prof. Brijesh Patel, Prof. Pankti Naik, Prof. Vibhuti Patel	Cloud Computing	Tata Consultancy Services (TCS iON   Digital Learning Empowering Learning Outcomes)	25 <sup>th</sup> October, 2017
Prof. Archana Nayak, Prof. Kaushik Patel, Prof. Kaushal Kevadia, Prof. Hetal Patel, Prof. Brijesh Patel, Prof. Bhumika Patel, Prof. Pankti Naik, Prof. Mihir Mishra, Prof. Vibhuti Patel, Prof. Avani Patel, Prof. Tejas Patel	Data Science	Tata Consultancy Services (TCS iON   Digital Learning Empowering Learning Outcomes)	13 <sup>th</sup> December 2017
Prof. Hetal Patel, Prof. Bhumika Patel, Prof. Pankti Naik, Prof. Kushal Patel	Introduction to Machine Learning	National Mission on Education through ICT (MHRD, Govt. of India), conducted by IIT Kharagpur. Remote Centre with code : SCET, Surat (1043)	16 <sup>th</sup> -17 <sup>th</sup> December, 2017



## STTPs & FDP Attended/Participated

Faculty Name	Event Name	Organized By	Date/Month
Prof. Kaushal Kevadia	Paper and Article Writing using LaTeX	S.V.N.I.T, Surat	10 <sup>th</sup> -14 <sup>th</sup> December, 2017
<b>Electrical Engineering Department</b>			
Prof. Ketan K. Lad, Prof. Dhaval K. Patel, Prof. Bhavesh S.Patel, Prof. Rohit B. Damor	Mathematics in Science & Technology	GDEC, Navsari	2-6 Jan,2017
Prof. Ketan K. Lad, Prof. Dhaval K. Patel, Prof. Rohit B. Damor, Prof. Ankur P. Desai	ARM Cortex-M4 Microcontroller based Power Electronics System Development	SVNIT, Surat	24-26 Feb, 2017
Prof. Ankur P. Desai	Photovoltaic fundamentals to Fabrication	SVNIT, Surat	11-12 & 18-19 march, 2017
Prof. Dhruvang R. Gayakwad	Electric Power System	IIT KHARAGPUR @ SCET	12 <sup>th</sup> June, 2017 to 15 <sup>th</sup> July 2017
Prof. Ankur P. Desai	Research Methodology for Academia	Naranlala School of Industrial Management and computer Science, Navsari.	10 <sup>th</sup> -14 <sup>th</sup> July, 2017
Prof. Ankur P. Desai	Microcontroller based Power Electronics Application	SVNIT, Surat	14 <sup>th</sup> -18 <sup>th</sup> Aug, 2017
Prof. Jay R. Desai, Prof. Dhruvang Gayakwad Prof. Bhavesh S. Patel Prof. Ankur P. Desai	Start-Up Innovation Protothon	Business Accelerator and Star-Up Cell, GIDC Degree Engineering College, Abrama	November 24,2017
Prof. Dhaval K. Patel Prof. Ketan K. Lad	Introduction of Robotics	e-Yantra IIT Bombay at SCET, Surat	17 <sup>th</sup> & 18 <sup>th</sup> November 2017



# Research Publication in Conferences/Journals

## International/National Conferences/Journals

Faculty Name	Title of Paper	Journal/Conference	Month
<b>ASH Department</b>			
Prof. Nisha S. Parekh	"English Language Teaching in India: A Study"	International Conference on Imagination: India/Canada Past, Present	March, 2017
Prof. Harshal G. Vashi	"A study on stress management approach at The Varachha Co-operative Bank"	National level banking conclave-2017 on "Indian Banking Industry: The Changing Panorama"	Feb.-2017
Dr. Kaushal Thakkar	"Excited state mass spectra and Regge trajectories of bottom baryons"	Elsevier Publications ISSN0375-9474 (Impact Factor: 1.916)	June-2017
Dr. Shailesh Patel	"A Study of Nonlinear Diffusion Equation Arising in Fluid Flow Through Porous Media by Homotopy Perturbation Method."	6 <sup>th</sup> International Conference Of Gwalior Academy of Mathematical Sciences.	Dec.-2017
Dr. Shailesh Patel	"Numerical Solution of Nonlinear Differential Equation Arising In Multifluid Immiscible Flow By Finite Difference Method."	6 <sup>th</sup> International Conference Of Gwalior Academy of Mathematical Sciences.	Dec.-2017
Prof. Mansi Desai	"A Study of Nonlinear Diffusion Equation Arising in Fluid Flow Through Porous Media by Homotopy Perturbation Method."	6th International Conference Of Gwalior Academy of Mathematical Sciences.	Dec.-2017
Prof. Megha Tailor	"Numerical Solution of Nonlinear Differential Equation Arising In Multifluid Immiscible Flow By Finite Difference Method."	6th International Conference Of Gwalior Academy of Mathematical Sciences.	Dec.-2017
<b>Automobile Engineering Department</b>			
Prof. Mayur J. Jalanapurkar Prof. Arpit Panchal Prof. Ashish Jain Prof. Vishwas Patel	Modification & Experimental Analysis of Motorcycle Exhaust System with Use of Exhaust Emission Reducer Material	International Journal of Advance Engineering and Research Development (IJAERD), Volume 4, Issue 11 e-ISSN : 2348-4470, p-ISSN : 2348-6406	November-2017
<b>Civil Engineering Department</b>			
Prof. Mamta D. Patel	Recycling of sewage: Critical study of tertiary treatment plant	International Conference on Technology and Management (ICTM-2017).ISBN No.978-93-5267-370-4	Feb., 2017
Prof. Sunil Jaganiya	"Optimization of Energy Consumption in Buildings with Respect to Aspect and Orientation"	International Journal of Advanced Engineering and Research Development (IJAERD).e-ISSN: 2348-4470 p-ISSN: 2348-6406	Feb, 2017
Prof. Rajan Lad	"Economic evaluation of pavement: Using coconut coir."	International journal of advanced engineering and Research Development. e-ISSN: 2348-4470	May, 2017



# Research Publication in Conferences/Journals

## International/National Conferences/Journals

Faculty Name	Title of Paper	Journal/Conference	Month
Prof. Pritesh Rathod	"New trend in Concrete: White concrete by using white micro silica flume"	2 <sup>nd</sup> International conference on Recent trend in Engineering Applied Science and Management (ICRTESM-2017)-Chandigarh. p-ISSN:2394-3386 e-ISSN:978-81-93-3746-9-6	April, 2017
Prof. Vikunj Tilva	"Study on On Geosynthetic Reinforced Stone Column with soft & stiff clay "	International Research Journal of engineering & technology (IRJET) ISSN: 2321-9939.Vol. 5, Issue 3	July, 2017
<b>Computer Engineering Department</b>			
Prof. Mihir A. Mishra	Traffic Estimation and Routing using K-means Clustering Algorithm	International Journal for Science and Advance Research in Technology. ISSN: 2395-1052	April 2017
Prof. Kushal Patel, Prof. Mihir A. Mishra, Prof. Brijesh Patel, Mr. Nilesh Patel	Privacy Issues in Big Data	2 <sup>nd</sup> International Conference for Convergence in Technology (I2CT) ISBN-Proceedings: 978-1-5090-4307-1/17IEEE	April 2017
Prof. Kaushik Patel, Prof. Archana Nayak, Prof. Kaushal Kevadia, Prof. Brijesh Patel	Interactive Technology Application in Child Education	International Journal of Scientific Research in Science, Engineering and Technology. ISSN:2395-1990	June 2017
Prof. Vibhuti P. Patel, Prof. Avani P. Patel	Data Integration: Techniques and challenges	International Journal for Scientific Research and Development ISSN:2321-0613	June 2017
Prof. Avani P. Patel, Prof. Vibhuti P. Patel	Digital Modulation Technique using a Graphic User Interface	International Journal for Science and Advance Research in Technology. ISSN:2395-1052	June 2017
Prof. Kushal Patel	Big Data, its Issues and Challenges	International Journal of Engineering Development and Research (IJEDR). ISSN: 2321-9939	July 2017
Prof. Bhumika H. Patel, Prof. Hetal M. Patel, Prof. Pankti S. Naik, Prof. Tejas B. Patel, Prof. Vibhuti P. Patel	Analysis on Different FP Mining Algorithms	International Journal For Research & Development InTechnology.2349-3585	December 2017
Prof. Brijesh U. Patel, Prof. Archana M. Nayak, Prof. Kaushik S. Patel, Prof. Kaushal T. Kevadia, Prof. Mihir A. Mishra	Women Safety using Bluetooth Remote Shutter	International Journal for Scientific Research & Development(IJSRD). Vol. 5, Issue 10, ISSN:2321-0613	December 2017
<b>Electrical Engineering Department</b>			
Prof. Ketan K. Lad, Prof. DhavalK. Patel, Prof. Rohit B. Damor, Prof. Khyati K. Naik	Wireless Home Automation System using Android	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering. ISBN/ ISSN:2278-8875	Feb- 2017



# Research Publication in Conferences/Journals

## International/National Conferences/Journals

Faculty Name	Title of Paper	Journal/Conference	Month
Prof. Bhavin Trivedi, Prof. Jaykishan Raval, Prof. Jay R. Desai, Mr. Kamlesh Sonwane	Soft Start Of Induction Motor Using Traic Switching	International Journal Of Engineering Development & Research.ISBN/ISSN:2321-9939	June- 2017
Prof. Ankur P. Desai	A case study of PWM and SVPWM generated electrical AC drives	International Journal for Scientific Research and Development, Impact Factor of 4.396 with IC value 64.81.ISBN/ISSN:2321-0613	July-2017
Prof. Bhavesh S. Patel	Reactive power compensation in transmission system with the help of FACTS device Thyristor Switch Capacitor (TSC)	International Conference of Engineering Technology, Science and Management Innovation(ICETSMI-2017)ISBN/ISSN:978-93-87433-076	Dec-2017
<b>Mechanical Engineering Department</b>			
Prof. H. S. Patil, Mr. Neelsai Sharma, Mr. Kairav Patel	Effect of Processing Parameters on Properties of Friction Stir Welded Joints of Aluminium Alloys AA7075-T651 and AA6061-T6	International Journal Advanced Design and Manufacturing Technology	June - 2017
Prof. H. S. Patil Prof. D. C. Patel	Experimental Investigation on Process Parameters for Optimization of Surface Roughness and Material Removal Rate in Plano Miller Machine on Carbon Steel IS-2062 Material	International Journal of Emerging Technologies in Engineering Research	November -2017
Prof. H. S. Patil Prof. D. C. Patel	Investigation on Effect of Machining Process Parameter on Surface Roughness and Material Removal Rate in Plano Miller for Alloy Steel SA-387	International Journal of Creative Research Thoughts	November 2017
Prof. H. S. Patil Prof. D. C. Patel	Effect of Piston Crown Thermal Barrier Coating on Performance and Emission Characteristics in Petrol Engine	International Journal of Recent Trends in Engineering & Research	November 2017
Prof. D. C. Patel Prof. H. S. Patil	Design and Development of Low Cost Artificial Intelligence Vacuum Cleaner	International Journal of Recent Trends in Engineering & Research	November 2017
Prof. D. C. Patel Prof. H. S. Patil	Development of Arduino Programme Code for Autonomous Smart Vacuum Robot	International Journal of Emerging Technologies in Engineering Research	November 2017
Prof. Hariketan B. Patel	Evaluating the effect of different working fluid on performance of Gaskated plate type Heat Exchanger	International journal for scientific Research and Development(IJSRD) 2321-0613,VOL 5,Issue 04,2017	June 2017



# Research Publication in Conferences/journals

## National Conferences/journals

Faculty Name	Title of Paper	Journal/Conference	Month
<b>Civil Engineering Department</b>			
Prof. Hemina Z. Patel	"Evaluation of pesticides in ambient air of rural areas: A review "	National Conference on Noise & Air Pollution: Monitoring & Modelling (NAP-2017)	March, 2017
<b>Mechanical Engineering Department</b>			
Prof. Daksh R. Tandel	Utilisation of waste heat from steam trap by peltier module	National Conference on Progress, Research and innovation in Mechanical Engineering, SCET, Surat	March 2017



બીલીમોરા શહેરમાં આપણા વિસ્તારનો સૌથી વિશાળ શો-રૂમ

# પાટીદાર

પડદા, મેટ્રેસ, બેડશીટ, સોફા ફોમ, પ્લાઈવુડ અને ઘણું બધું

**હોમ ડેકોર**

સૌથી વિશાળ AC શો રૂમ

દત્ત મંદિરની સામે, ગણદેવી રોડ, બીલીમોરા.  
મો. ૯૮૨૫૧ ૧૫૮૦૧  
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## Faculties Assisted in Various Technical Programme

### Dr. H. S. Patil

- Nominated as Technical Program Committee member - The Second International Conference on New Material and Chemical Industry (NMCi2017) will be held in Sanya, China during November 18-20,2017; <http://www.icnmci.or>
- Nominated as Technical Program Committee member - International Conference on Mechanical, Electric and Industrial Engineering; --- Hangzhou, China, May 12-14, 2018; <http://www.icmeie.com/Committee.aspx>
- Nominated as a Editorial Board member in SCIREA Journal of Mechanical Engineering, Science Research Association - a global academic organization
- Prof. Dr. Shailesh S. Patel, Prof Harshal G. Vashi & Prof Harshit K. Naik**, delivered an expert talk on various topics in Induction Training Programme which was held during 14<sup>th</sup> February to 17<sup>th</sup> March 2017 at Navsari SPIPA- Sub Centre for Class-III State Government Employees.
- Dr. Shailesh S. Patel** performed as an External Referee and Thesis Evaluator in PhD Viva-voce of three students of department of Mathematics, VNSGU, Surat.
- Dr. Shailesh S. Patel** has been appointed as a member of Doctoral Progress Committee (DPC) of Ph.D. by Gujarat Technological University.
- Prof. Dr. Shailesh S. Patel** has published Mathematics- I for Engineers and Mathematics – III for Engineers, books under the publisher Atul Prakashan, Ahmedabad.
- Prof. Nisha S. Parekh** has qualified Gujarat State Eligibility Test August, 2017 in the subject of English.
- Prof. Nisha S Parekh & Prof. Ishita V Panchal** Performed the duty of Jury Member at State Level Technical Festival held at S. S. Agrawal Institute of Engineering and Technology, Navsari on 4<sup>th</sup> March, 2017.
- Prof. Harshal Vashi** has qualified Gujarat State Eligibility Test August, 2017 in the subject of Management.
- Prof. Harshal Vashi** and **Dr. Kaushal Thakkar** were honoured as jury members of Science Fair organized at Aspi Kanya Vidhyalaya, Antaliya, Bilimora on 11<sup>th</sup> August, 2017.
- Dr. Rajiv Kumar Singh** joined as a Reviewer in Propulsion and Power Research (Elsevier).
- Prof. Mansi Desai** and **Prof. Megha Tailor** were honoured as jury members of Science Fair organized at Naik Foundation, Kharel, Navsari on 29<sup>th</sup> August, 2017.
- Dr. Kaushal Thakkar** delivered an Expert talk on “How to write scholarly article?” in A one week STTP on Research Methodology for Academia Jointly organized by Naran Lala School of Industrial Management & Computer Science and GIDC Degree Engineering College, Navsari during 10<sup>th</sup> July-14<sup>th</sup> July 2017.
- Prof. Harshit K. Naik** performed as jury members of Taluka Level Science Fair organized by GCERT, Gandhinagar at Naranbhai Rupabhai Raut Sarvajanic Highschool, Nanapondha, Valsad on 25<sup>th</sup> Sept. 2017.
- Prof. Mihir A. Mishra** is an active member of referral/ review management system of the International Journal of Science and Engineering Development Research since 18 April 2017, ISSN:2455-2631, Holding member ID:111243
- Prof. Ankur P. Desai** has served eminent Expert and judge in “Paper Presentation “ of state level inter-collegiate techfest “VISVESMRUTI-2017” at FETR, college, Bardoli.
- Prof. Bhavesh S. Patel** was co-ordinator of “GTU TECH-FEST(CENTRAL)” held at L.D. Engineering college during 30-31 March 2017. In this Tech-fest 51 students are participated from GIDC Degree Engineering College.
- Prof. Jay R. Desai, Prof. Dhruvang Gayakwad** and **Prof. Bhavin Trivedi** have visited Sayaji Vaibhav Library, Navsari. Due to this initiative, Sayaji Vaibhav Library donated books and reading materials to college library which has enhanced library literatures and it will be helpful for students.
- Prof. Dhaval K. Patel, Prof. Ketan K. Lad, Prof. Rohit B. Damor, Prof. Ankur P. Desai** become a life time member of “The Indian Society For Technical Education”



# Student Achievements

- Student of 1st year Automobile Dept. Jagirdar Manthrach Bomi has won the Gold medal in State Boxing competition.
- Student of 1st year Automobile Dept. SHAH AAGAM O. has won the Gold Medal in 55kg to 60kg Boys Category match at JSTARC's Annual Taekwondo Sparring Competition held at Shah Mohanlal Chunilal Sanskrutik Bhavan, Bilimora. On 25th Dec 2017.
- Students of final year Automobile Dept. Pancholi Vivek and Patel Hiral were placed in Kataria Automobiles Pvt. Ltd. In Campus Placement arranged by Automobile Dept. Training and Placement cell.
- Following Students of last year (7th sem) were selected to present their non-working model for Energy Expo-2017, Surat by the GTU innovation council-Community Innovation and Co-Creation centre.

Team 1: 1. Bamroliya Rishab K.

2. Gohil Harish
3. Priya Kotecha M.
4. Chotaliya Neha K.

Team 2: 1. Kansara Abhishek J.

2. Panchal Kajol J.
3. Jariwala Richa

• 1<sup>st</sup> year student named Ms. Chahana Mistry had participated in poster presentation in an event called "ABHIVYAKTI-Re engineering of social values" which was organized by G.T.U. and has secured third rank which was declared on 02/01/2018.

• Dev Paras Desai and Hirenkumar Dilipbhai Solanki from Electrical Engineering Department selected in Internship program by L & T, Vadodara.

• Dev Desai, Vishal Thorat, Siddharth Gohil, Devansh Patel were 2<sup>nd</sup> runner up in Table-Tennis Tournament under "GTU-Spirit-2017-18", Surat Zone, held at C. K. Pithawala Engineering College, Surat dated 20.12.2017.

• GDEC Volleyball team participated in **GTU Surat Zone Volleyball Tournament 2017**. participated players are: Abrar Belim (ck), Aasim Khan, Ankur Tandel, Divyang Tandel, Manmit Tandel, Karna Tandel, Yash Tandel, Krupanshu Chhowala, Himanshu Dubey, Satyam Jha & Anas Shaikh.

• **Abrar Belim** was further selected in **GTU Volley ball Team**.



## Industrial Visit

As a part of the curriculum, our students visited to various industries of repute in order to have a better appreciation of practical exposure of real-time process. These visits were highly fruitful and knowledge enhancing for our students. Find herewith the reports of visits.....

Name of Industry	Class	Date of visit
<b>Automobile Engineering Department</b>		
AUTOMOTIVE RESEARCH ASSOCIATION OF INDIA (ARAI), PUNE	Automobile Engineering Department, 4 <sup>th</sup> Year	7th October, 2017
AMAR MOTOR REPOWERING WORKS	3rd Semester Automobile Engineering	16/09/2017
BATLIBOI PVT. LTD., UDHANA - SURAT	3rd Semester Automobile Engineering	16 <sup>th</sup> September, 2017
<b>Civil Engineering Department</b>		
1) Cable Stayed bridge & 2) Widening of Sardar bridge, Surat	BE-III CIVIL (6 <sup>TH</sup> sem)	10 <sup>th</sup> March, 2017
Technical visit for tachometry survey at Saputara	BE-II Civil (4 <sup>th</sup> sem)	30 <sup>th</sup> & 31 <sup>st</sup> March-2017
Unique laboratory at surat	BE-IV Civil (8 <sup>th</sup> sem)	7 <sup>th</sup> April, 2017
Ambuja Knowledge centre, Surat	BE-IV Civil (8 <sup>th</sup> sem)	9 <sup>th</sup> & 10 <sup>th</sup> May, 2017
Technical survey of Traffic at Navsari	BE-III Civil (5 <sup>th</sup> sem)	September-2017
Technical Visit to Effluent (waste water) treatment Plant at Pidilite Vapi.	BE-III Civil (5 <sup>th</sup> sem)	27 <sup>th</sup> November-2017
<b>Computer Engineering Department</b>		
Bharat Sanchar Nigam Limited, Surat	Computer Engineering Department, 2 <sup>nd</sup> Year	1 <sup>st</sup> September 2017
Indian Space Research Organisation (ISRO), Bengaluru	Computer Engineering Department, 3 <sup>rd</sup> Year & 4 <sup>th</sup> Year	21 <sup>st</sup> December 2017
LimraSoftTech Pvt. Ltd., Bengaluru	Mechanical Department, 4 <sup>th</sup> Semester	22 <sup>nd</sup> December 2017
<b>Electrical Engineering Department</b>		
Sahakari Khand Udyog Mandal LTD, Gandevi	3rd year	06.01.2017
Gujarat Energy Transmission Corporation LTD	3rd year	4.2.2017
Wanakbori Thermal Power Plant, Kheda	3rd and 4th year	17.2.2017
Balaji Wafer, Valsad	1st year (Electrical & Automobile Engg.)	15.3.2017
Electric Locoshed", Abrama, Valsad	3rd and 4th year	31.03.17, 01.04.17, 07.04.17 & 15.04.17
Vikrant Transformer, Maroli	2nd year	1.9.2017



# Industrial Visit

Name of Industry	Class	Date of visit
Western Region Load Dispatch Center, Andheri, Mumbai (POWERGRID)	4th year	7.10.2017
<b>Mechanical Engineering Department</b>		
Jyoti CNC Automation Ltd., Rajkot Rolex Rings Pvt. Ltd., Rajkot Turnmax Machine Tools, Rajkot Dilip Lathe, Rajkot G.S. Industries (foundry), Rajkot	Mechanical Department, 6 <sup>th</sup> Semester	21-02-2017 22-02-2017
Muni Seva Ashram ,Vital Cast,SwadeshUdhyog	Mechanical Department, 4 <sup>th</sup> Semester	27-3-2017
Ukai hydro power station and NPCIL,Kankrapar	Mechanical Department, 7 <sup>th</sup> semester	04-10-2017



# Sports - Maitri Olympiads 2017

Sr. No.	Event	Winner	Runner's up
1	CRICKET (BOYS)	3rd Year (Mechanical-B)	3rd Year (Mechanical-A)
		Patel Vineet C. Patel Anant C. Patel Bhavik M. Patel Niketan V. Patel Jigar G. Patel Tushar Tandel Vaidik Patel Nehal Patel Shubham C. Patel Manthan Raval Parth D. Patel Vimal B. Patel Keyur Shah Akshy Kumar A.	Mehta Het Patel Jay N. Patel Hardik S. Ghayal Mitang Patel Atit Shaikh Adil Kubadiya Bhunik Maroliya Jay Patel Jay P. Patel Jay S. Patel Jay J. Intwala Aditya Gandhi Nisharg Johnson Jerin Mangukiya Jaymin Chauhan Deep
		<b>Man of the Match</b> - Patel Tushar <b>Best Bowler</b> - Patel Tushar	<b>Man of the series</b> - Patel Niketan <b>Best Batsman</b> - Patel Tushar
2	CRICKET (GIRIS)	Computer Department	Civil Department
		Patel Vishva D. Patel Vaibhavi C. Desai Maitry A. Patel Vyanjana R. Tandel Bhavna T. Singh Daina N. Patel Mitali B. Patel Brijal Chaudhri Sneha Mistry Vidisha Patel Shivali S. Gandhi Zeel B. Patel Nirali S. Mistry Nandani M. Patil Shivani V.	Patel Manali D. Patel Zeni K. Gamit Krutika M. Chovatiya Dhara H. Tandel Zankhna Patel Radhika J. Tandel Kiran G. Patel Twinkal Patel Zinal Patel Anjali Thoke Komal Ahir Khushi Patel Dimpal
3	FOOTBALL	Civil Department	Electrical Department
		Thaer Jiawi Delio Patel Mitul Vasava Chirag Patel Nirav Baseet Abdul Desai Chaitanya Fazil Mujeeb	Edson Julianu Fenias Euclides Tito Zefenius Reginaldo Francisco L. Tandel Vinit Gandhi Aalap Patel Pranay R. Patel Darshn J.
		<b>Stricker</b> - Baseet Abdul (Civil) <b>Keeper</b> - Patel Mitul (Civil)	<b>Midfielder</b> - Edson Julianu (Electrical) <b>Player of Tournament</b> - Thaer Jiawi (Civil)
4	CHESS(BOYS)	Chovatiya Jaydeep M.	Patel Harsh N.
5	CHESS(GIRLS)	Patel Riya N.	Gamit Krutika M.



Sr. No.	Event	Winner	Runner's up
6	<b>BOYS CARROM (Doubles)</b>	Deep Balsara-4th Electrical-151100109003 Divyesh Patel-4th Electrical-151100109017	Vishal Thorat-6th Electrical Himanshu chhowala-6th Electrical
7	<b>GIRLS CARROM (Doubles)</b>	Patel Manali D-Civil 6th sem-141100106071 Patel Riya N-Civil 6th sem-141100106083	Patel zeni K-4th Civil-151100106066 Gamit Krutica-4th Civil-151100106011
8	<b>TABEL TENNIS (SINGLE)(BOYS)</b>	Desai Dev P.	Panchal Hemik V.
9	<b>TABEL TENNIS (DOUBLE)(BOYS)</b>	Desai Dev P. Patel Devansh S.	Panchal Hemik Gohil Shiddharth
10	<b>TABEL TENNIS (SINGLE)(GIRLS)</b>	Patel Manali D.(Civil)	Patel Riya N.(Civil)
11	<b>VOLLYBALL(BOYS)</b>	<b>2nd Year (Mechanical)</b>	<b>1st Year (Mechanical)</b>
		Tandel Ankur I. Tandel Divyang D. Tandel Manmit P. Tandel Parimal K. Tandel Shagar P. Patel Chirag D. Tandel Ajay C. Tandel Urvesh M. Tandel Jay V. Tandel Yash C.	Chhowala Krupanshu U. Patel Vandana M. Patel Raj K. Belim Abrar Mohammed Riyaz Khan Aasim A. Mistry Urva S. Patel Alay S. Patel Avi M. Behera Krushana D. Patel Piyank J.
		<b>Best Smasher</b> - Parimal K. Tandel <b>Best Lifter</b> - Yashkumar C. Tandel <b>Best Fielder</b> - Divyang D. Tandel <b>Player Of Tournament</b> - Belim Abrar	
12	<b>TUG OF WAR(GIRLS)</b>	<b>Computer Dept.</b>	<b>Computer Dept.</b>
		Tandel Bhavna Patel Vishva D. Patel Vaibhavi Patel Bhumika I. Patel Nirali Patel Priyanka H. Desai Maitry A. Patel Nehali R.	Chaudhri Sneha S. Patil Shivani V. Mistry Vidisha V. Patel Brijal B. Patel Mitali B. Dige Sakshi Panchal Payal Shah Mitva
13	<b>BADMINTON</b>	Patel Manali D.-3rd Year(Civil)	
14	<b>KABADDI</b>	<b>Automobile Dept.</b>	<b>Mechanical Dept.</b>
		Bari Ajay Pillai Praveen Nair Siddharth Patel Arpan Patel Mayur Shaikh Sohel Yadav Tejas Chauhan Maharaja Ahir Sagar Patel Divyank	Vashi Parth A Patel Bhavik Ghayal Mitang Patel Nilay Nair Rahul Desai Kathan Chauhan Arjun Dushane Mitesh Raval Parth Bharwad Ajit
15	<b>100 M RUNNING(GIRLS)</b>	Twinkel Patel(Civil-2, 3rd Year)	Zinal Patel(Civil-2,3rd Year)



Sr. No.	Event	Winner	Runner's up
16	400 M RELAY(GIRLS)	Civil Dept.	Civil Dept.
		Patel Twinkle D. Zinal Patel Tejal Mahala Kajal Patel	Patel Manali D. Kiran Tandel Radhika Patel Riya Patel
17	BOYS 100 M RUNNING	Patel Manthan(Mechanical)	Tanel Jitesh(Mechanical)
18	400 M RELAY(BOYS)	Tandel Dhanraj Sagar Ahir Mistry Mayur Patel Manthan	Pandya Dhrumil Gain Yogesh Rathod Mayank Patel Banti

On 2<sup>nd</sup> February 2017, the 5<sup>th</sup> GDEC Annual Festival was formally inaugurated with the lighting of the lamp by our trustee members Shri. H. R. Parmar, Dr. A. K. Dave, CA Vinodchandra G. Desai, Dr. Dinkarbhair G. Naik, Principal Dr. K. N. Misty and programme convener Dr. H. S. Patil and declared the festival open. In **MAITRY OLYMPIADS 2017**, most of the students from all departments have participated in various games like Cricket, Volleyball, Football, Kabaddi, Table tennis, Carom, Chess, Badminton, Tug of War and Running – 100 mts and relay race for both boys and girls, making all events successful with joy, enthusiasm and sportsmen-ship. The whole sport event was coordinated by Prof. Brijesh Patel, Prof. Pritesh Rathod & Prof. Dhaval Patel with supports of faculties and students



# Technical - Udaan 2017

Sr. No.	Competition Name	Name of Student	Department	Position
1	Paper Presentation	Patel Vishal C.	Mech., CKPCET, Surat	Winner
		Simaran Hasrajani Nishant Verma Parth Panchal Harsh R. Patel Darshan Ganesan Faizan M. Saiyed	Mech., VIER, Vadodara	Runner Up
2	Paper Presentation	Vivek M. Rathod	Civil	Winner
		Akshay B. Jani Madhav K. Rathaitha Vivek M. Rathod	Civil	Runner Up
3	Paper Presentation	Desai Hem Naik Yash Mehta Kevin Patel Vyanjana Patil Divya	Computer	Winner
		Akshy Makwana Ankit Mishra Meeraj Bhavsar Pradip Kotadiya	Computer	Runner Up
4	Paper Presentation	Dungrani Smit G. Savani Bhumik R.	Electrical	Winner
		Vasava Niravkumar Kanaiyalal Pandya Chintankumar M. Patel Amitkumar H. Pawar Bhavesh Sanjay.	Electrical	Runner Up
5	Paper Presentation	Rishabh Rohitkumar Patel	Automobile	Winner
		Pooja Garg Yesh Lethwala Krunal Vankawala Utlarsj Joshi	Automobile	Runner Up
6	Technical Quiz	Tandel Mehul Rajesh	Mechanical	Winner
		Mistry Nisarg	Mechanical	Runner Up
7	Technical Quiz	Jamani Wasim Razam Jariwala Vihnu H. Shaikh M. Anas Lala Abdullah	Civil	Winner
		Rajesh Goswami Misry Aditya Shrivastav Vikas Prajapati Nirav	Civil	Runner Up
8	Technical Quiz	Karan K. Katira	Computer	Winner
		Patel Neel B.	Computer	Runner Up



Sr. No.	Competition Name	Name of Student	Department	Position
9	Technical Quiz	Patel Parthkumar Dipakbhai	Electrical	Winner
		Chaudhari Trushar Shivajibhai	Electrical	Runner Up
10	Technical Quiz	Khasatiya Devendrakumar G.	Automobile	Winner
		Patel Anuj Sunilbhai	Automobile	Runner Up
11	GD	Patel Jigar Dipakbhai	Mechanical	Winner
		Manu Mohanan Pillai	Mechanical	Runner Up
12	SherLock	Oza Kushang C. Patel Panthil Nimeshbhai	Computer	Winner
13	SherLock	Shimpi Kunal Raju	Mechanical	Runner Up
		Sholanki Gaurav P.	Computer	
14	Web Designing	Hiral Thakor	Computer	Winner
		Mali Yashwant D.	Computer	Runner Up
15	3D Modeling using solidworks	Abraham Jerin Johnshan	Mechanical	Winner
		Shatyam Bhadoria	Mechanical	Runner Up
16	Business Ideas & Product Development	Panday Shrikant Shukla Denish Patel Harsh Bhagat Parth Diyaran Dhaval	Mechanical	Winner
17	De Transporter	Kachhadiya Jatin Mistry Aditya	Civil	Winner
18	BridGeDEC	Sanghani Harshad Sajitra Maulik	Civil	Winner
19	Circuit Debugging	Patel Vishal Karsanbhai Patel Neel Bhagubhai	Electrical	Winner
		Parmar Sani Prafulbhai Jagtap Chintan Rajeshbhai	Electrical	Runner Up
20	Connection Maniac	Savani Bhaumik R. Prajapati Hardikkumar M.	Electrical	Winner
21	Automaton	Patel Yash S. Tamboli Ruchit R.	Automobile	Winner
22	The Last Ride	Vasava Nirav	Automobile	Winner

The objective of the **UDDAN 2017** was to bring the students of various streams from different institutes on a common platform where they were encouraged to share knowledge and innovative ideas. The technical events in UDDAN 2017 includes-Web Designing, Circuit Debugging, Circuit Mania, De transporter, BRIDGEDEC, LAN Game Last Ride, Automaton, 3D Modelling using Solid works, Business Ideas & Product Development, Technical Quiz, Group Discussion, Sherlock-A Technical treasure hunt, Virtual Placement, accompanied with a national level paper presentation for students. The whole sport event was coordinated by Dr. D. C. Patel and Prof. Kaushik Patel with supports of faculties and students.

## Cultural - Gunj 2017

The CULTURAL EVENT **GUNJ 2017** was set with the objective of developing the arts and intellectual talents of the students, improving their capabilities to work as a team and raising their level of self-confidence in interacting with fellow students and peers. The Chief Guest of the function was Shri. R. C. Patel, Deputy Chief Whip, Gandhinagar. Shri. Hetal Mehta, President, Chairman, SEVA, SETU, Surat host the Guest of honour of the function. Our trustee members Shri. H. R. Parmar, Dr. A. K. Dave, CA. Vinodchandra G. Desai, Dr. Dinkarra G. Naik also joined the function with other invited guest Shri. Pankajsinh Thakurs and Shri. Pratik Bachkaniwala. Faculty welcomed the dignitaries by presenting blossoming bouquets of flowers to them. The Principal Dr. K. N. Misty has briefing about institutes; the dignitaries delivered their motivational thoughts to our students and programme convener Dr. H. S. Patil concluded with vote of thanks. Our other Chief Guest Shri C R Patil, MP Navsari apologised for unable to attend the function and convey his best wishes to the function. Smt. D. Thara, GES chairperson, VC & MD GIDC Gandhinagar, Shri Ravikumar Arora Collector Navsari District and P. R. Bhatt GES Member secretary also convey their message and best wishes to the function and apologised for unable to attend the function. Students have expressed great enthusiasm on cultural events and they explored themselves beyond the classroom experience. Various cultural activities -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. The event was coordinated by Dr. S. S. Patel & Prof. Archana M. Nayak with supports staffs and students.



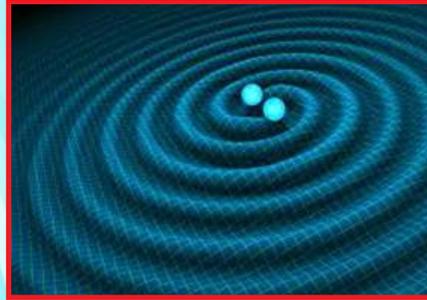
# Prize Distribution 2017

Gallery of Prize distribution at GDEC Festival 2017



# 2017 Nobel Prize in Physics

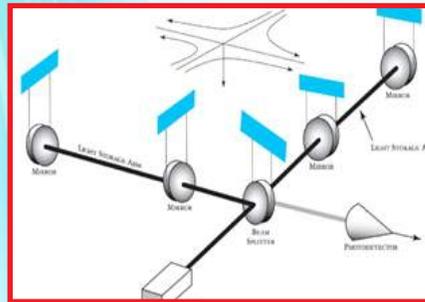
Three American physicists (Rainer Weiss, Kip Thorne and Barry Barish) have won the Nobel Prize in physics for the first observations of gravitational waves as predicted by Albert Einstein a century ago. All three scientists have played leading roles in the Laser Interferometer Gravitational-Wave Observatory, or LIGO, experiment, which in 2015 made the first historic observation of gravitational waves triggered by the violent merger of two black holes a billion light years away.



Einstein's general theory of relativity predicts that the presence of mass causes a curvature in space-time. When massive objects merge, this curvature can be altered, sending ripples out across the universe. These are known as gravitational waves. By the time these disturbances reach us, they are almost invisible. It was only a century after Einstein's prediction that scientists developed a detector sensitive enough - the Laser Interferometer Gravitational - Wave Observatory or LIGO - and were able to

confirm the existence of gravitational waves.

About LIGO: Comprised of the world's largest precision optical instruments and the world's second-largest vacuum systems, LIGO is a marvel of engineering and human creativity. LIGO's multi-kilometer-scale gravitational wave detectors use laser interferometry to measure the minute ripples in space-time caused by passing gravitational waves from cosmic sources such as the mergers of pairs of neutron stars or black holes, or by supernovae. LIGO consists of two widely separated interferometers within the United States—one in Hanford, Washington and the other in Livingston, Louisiana—operated in unison to detect gravitational waves.



## LIGO's Extreme Engineering:

**Most sensitive:** LIGO is designed to detect a change in distance between its mirrors 1/10,000th the width of a proton! This is equivalent to measuring the distance to the nearest star to an accuracy smaller than the width of a human hair!

**World's second-largest vacuum chambers:** Encapsulating 10,000 m<sup>3</sup> (350,000 ft<sup>3</sup>), each vacuum chamber encloses as much volume as 11 Boeing 747-400 commercial airliners. The air removed from each of LIGO's vacuum chambers could inflate two-and-a-half MILLION footballs, or 1.8 million soccer balls! LIGO's vacuum volume is surpassed only by the Large Hadron Collider in Switzerland.

**Ultra-high vacuum:** The pressure inside LIGO's vacuum tubes is one-trillionth of an 'atmosphere' (in scientific terms, that's 10<sup>-9</sup> torr). It took 40 days (1100 hours) to remove all 10,000 m<sup>3</sup> (353,000 ft<sup>3</sup>) of air and other residual gases from each of LIGO's vacuum tubes to reach an air pressure one-trillionth that at sea level.



**Air pressure on the vacuum tubes:** 155-million kg (341-million pounds) of air press down on each 4 km length of vacuum tube. Remarkably, the steel tubes that hold all that air at bay are only 3 mm (0.12 inches) thick.

**Curvature of the Earth:** LIGO's arms are so long that the curvature of the Earth is a measurable 1 meter (vertical) over the 4 km length of each arm. The most precise concrete pouring and leveling imaginable was required to counteract this curvature and ensure that LIGO's vacuum chambers were "flat" and level. Without this work, LIGO's lasers would hit the end of each arm 1 m above the mirrors it is supposed to bounce off of!

- Dr. Kaushal K. Thakkar



## Put the Glass Down today

Professor began his class by holding up a glass with some water in it. He held it up for all to see and ask the students “How much do you think this glass weights?” ‘50gms!...100gms!...125gms!...’ Student answered. ‘I really don't know unless I weight it’ said the professor, but my question is “what would happen if I held it up like this for few minutes?” ‘Nothing.’ The student said. ‘ok .what would happen if I held it up like this for an hour?’ The professor asked. ‘your arm would began to ache’ said one of the student.” you are right, now what would happen if I held it for a day?’ ‘your arm could go numb. you might have severe muscle stress & paralysis & have to goto hospital for sure!’.” very good, but during all this did the weight of glass change?’ asked the professor. “no” was the answer. “Then what caused the arm ache & the muscle stress? The students were puzzled.

“what should I do now to come out of pain?” asked professor gain. “put the glass down!” said one of the students. It's important to think the challenges or problems in your life, but even more important is PUT THEM DOWN at the end of everyday before you go to sleep.

**-Prof. Vibhuti Patel  
(ComputerEngg. Dept.)**

## 'Mixed' reality

Companies like Microsoft, with its HoloLens, and US-based start-up Magic Leap are increasingly staking on the fusing of technologies like augmented reality (AR) and virtual reality (VR) with the real world to give users and businesses a world of so-called “mixed” reality (MR) or “blended” reality concepts.

The belief is that these technologies have the potential to become the next big computing platform. While VR is all about a world created solely on computers or online, AR still deals with the real world and has elements of the virtual world built over it, akin to layers of information. An example of AR is Pokémon GO, a game that allows you to capture virtual creatures at real-world locations—it has been downloaded 800 million times. While its popularity has waned since its release in 2016, Pokémon GO nevertheless underscored the potential of AR.



Microsoft, which has adopted cloud in a big way, already has Kinect—an input device that senses motion and allows users to play games with gestures and spoken commands. It is now betting big on its MR holographic computer, HoloLens. HoloLens has sensors that allow to use gaze to move the cursor when you want to select holograms. You can use gestures to select and size items, and drag and drop holograms. You can also speak directly to the virtual assistant Cortana.

Research firm Gartner Inc. predicts that by 2019, AR, VR and MR solutions will be evaluated and adopted in 20% of large-enterprise businesses. The global MR market size is expected to reach \$2.8 billion by 2023, according to research firm Reportbuyer.com. The MR market, notes the report titled “Global Mixed Reality Market Analysis (2017-2023)”, will witness rapid growth due to increasing demand for innovative and wearable products. The aerospace and defence sectors could use MR products for training

programmes. The technology can be used effectively in schools since it provides 3D images, leading to an interactive learning experience, the report adds.

*Asst. Prof. Bhumika H. Patel  
(Computer Engineering)*

## KHWAAB

*Khoobsurat , Noorani lekin Zidd ke sath badte jaane ka naam he*

*KHWAAB,*

*Naakam se befikar aur Buland iraade ke sath badte jaana he khwaab,  
Safar kaante bhare Imtehaan Sa, lekin fir bhi Shuruat yakeen ke sath he*

*Khwaab,*

*Lipti hui bediyaan aur majbut bandishe ke sath badte jaana he khwaab,*

*Dard peekar aur mushkurahat nikharke badte jaana he khwaab ,  
Mushkil He, Naamumkin sa bhi lekin fir bhi haasil Karna he khwaab,  
Raah me badte badte chahe bade faasle lekin fir bhi Dil sang khwaab*

*paaye Manzile.*

*- ADIL ALTAF SHAIKH  
MECHANICAL 4<sup>th</sup> year*



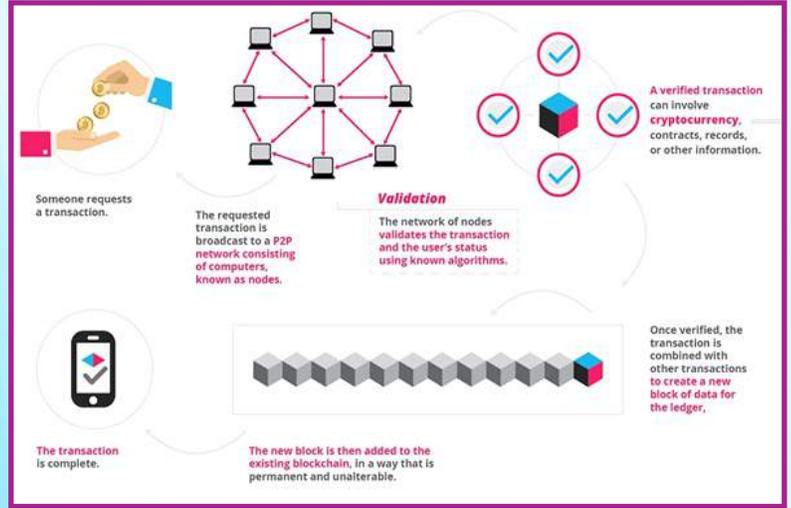
*- Patel Rinkal*

# Blockchain - The Tech behind Bitcoin

The word "bitcoin" was a one of the top search on Google this year as everyone who didn't understand the bitcoin tried to learn how it works and how they could make money off of it. The price of one bitcoin surged from Rs.67,823 on January 1, 2017 to Rs.10,24,543 by beginning of January (as I write this). But bitcoin's value jump is not the most important event in crypto this year, it proves to be only tip of the iceberg. It was the technology behind the bitcoin that tracks transactions - known as a Blockchain - that is really promising.

Blockchain is essentially a shared database that allows secure storage of verified and encrypted digital information. Each parcel, or block, of data contains links to the previous block, and this produces a digital chronology of events. Whereas most databases are hosted by a single entity, such as a bank, all the information in a blockchain is stored in every computer in the network. Corrupted records that differ from others around the world are removed, which makes it easier to track fraud. However, blockchain technology can also be used maintain digital identities, passports, birth certificates, wedding certificates, and death certificates to prevent fraud and loss of data.

Asst. Prof. Tejas B. Patel  
(Computer Engineering)



## DRAG RACE

Feeling spinning wheels,  
No traction & no control.  
All this for nothing.

Tried pushing harder,  
Nothing but smoke & burning,  
No brakes needed, yet.

Ease up on the gas,  
Grab the steering wheel,  
Visualize. Go.

Drive smooth & steady,  
Believe in your racing line,  
It will get you there.

Eyes up, visor down,  
Firm throttle, open throttle,  
Inhale victory.

-Prof. Arpit Panchal  
(Automobile Dept.)

એટલા નરમ ના થાઓ કે  
લોકો તમને ખાઈ જાય ...  
એટલા ગરમ ના થાઓ કે  
લોકો તમને ચડી ના શકે ...  
એટલા સરળ ના થાઓ કે  
લોકો તમને મુરખ બનાવે...  
એટલા અતડા ના થાઓ કે  
લોકો તમને મળી પણ ન શકે...  
એટલા ગંભીર ના બનો કે  
લોકો તમારાથી કંટાળી જાય...  
એટલા છીછરા ના બનો કે  
લોકો તમને ગણકારે જ નહિ...  
એટલા મોઢા ના બનો કે  
લોકો તમને બોલાવી ના શકે...  
એટલા સસ્તા પણ ના બનો કે  
લોકો તમને નચાવ્યા કરે...

લિ. પ્રો. સુનીલ જાગણીયા  
સિવિલ એન્જીનીયરીંગ વિભાગ

# 5 WAYS TO FAIL IN 21<sup>ST</sup> CENTURY

i found it useful from "ted x wilmington women". So i would like to share, 5 ways to fail in 21st century.

It took us, thousands of years to turn from hunters to farmers and from farmers to an industrial society but this 21st century is different. Today change is not taking place in thousands of years or in centuries. We are changing every few years but the change is good then why we should discuss about failure. We are 2000 times less likely to get killed in an air plane crash than in a car accident because every time before plane takes a flight, all possible avenues of failure are eliminated. That's a good strategy by reducing cause of failures, our chances of succeeding becomes high so we are discussing about 5 major ways we can fail in 21st century so we are better prepared for it.

**1) Fearing Fire:** lets consider one scenario when our ancestors first saw fire. Let us call two of them as bo singh and yo singh .bo first looked at fire, he was scared. He thought it could be hot, it could burn him but when yo looked at fire, he told bo lets do something with it but bo told are you mad, but yo went ahead and he experimented with fire, soon he realise that he could use fire to stay warm ,scare of animals and to cook food but our bo singh still scared, still leaving in dark, eating raw food and by the time he realised use of fire, yo had already moved ahead and was building superior thing using fire.



Technology is the fire of 21st century and lot of us are like bo singh. We fear technology. We fail to understand that the technology is better way of doing things.

Look at the founders of uber, amazon, facebook, whatsapp. These are those people who didn't fear technology they embraced it and they have changed the world.so choice is ours we want to be like bo singh or yo singh.

## 2) By considering education completed with schooling or with degree

We need skills in 21st century like creativity, critical thinking, complex problem solving but our question is, is our education system focussed on teaching of these skills and answer is no. So we have to become self learner we have to use school which we carry in our pocket by online education portal.we can learn new skill, new language or we can get connected with the mentor across the world.

## 3) Get settled with a job

20 years ago we can have one skill, one degree and one job but in this era this is not true .the highest paying job of today didn't even exist five years ago and job that exist today might not even exist in five years. All this disruption is caused by technology around us.cashier at supermarket is being replaced by self check out machine.there are robots replacing human labour in factories.more than 5 lack robots were sold in last few years and this disruption is not limited to factories or supermarkets. Robots have started performing surgeries on us.there are software which are writing news these days. Whichever industry we are in, we will be disrupted. Technology is going to disrupt us.what can we do in that case despite this disruption, two interesting phenomenons are there. First is , jobs will not die out they would move from one sector to another which would require us to update our skills regularly.we will have to work little harder just the way when computer came, everybody thought i am going to be job less now computers are going to take over us but interestingly computers created so many jobs.

## 4) Focus.

Focus is the key ingredient to suceed we all know that. But what is happening to our focus in 21 st century. We have lost focus to these little devices around us. We panic, when we are unable to locate them. We feel the need to check them every five minutes that to without the reason we feel earge to reply to mesaages and email instantly and we often feel guilty on not doing so today we cant even focus on simplest task because there is a beep on phone. We need to check notification we got. So we will fail in century if we will loose our focus to these devices around. We will fail if we forget that we need to control these devices instead of these devices are controlling us.



## 5) Connectivity

Let's talk about rian graves. In 2010 he was an engineer, working in one company. One day he spotted a tweet by the ceo of uber which said "looking for product manager, business developer" any tips? To which rian replied here is a tip, "email me" and tweeted his email adrees. Both got in touch by tweeter and rian was latter ofered a job at uber today he is one of the board of director of the uber. This is the power of connectivity these days .if we fail to communicate effectively we will fail.

DAKSH R. TANDEL  
ASST. PROF., (MECHANICAL DEPARTMENT)



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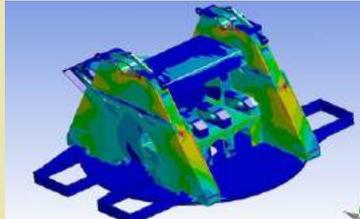
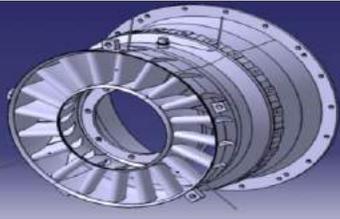
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