



GDEC NEWS LETTER

RESONANCE @ GDEC

- * Cover Story: Innovation Council
- * Principal's Message
- * Design Engineering
- * Maitri olympiads
- * Gunj and Udaan'15

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Coming together is a beginning;

Keeping together is progress;

Working together is success.

- Henry Ford

College at a Glance

GIDC Degree Engineering College is working on PPP mode. It is run by GIDC Education Society, GIDC Gandhinagar, under the aegis of dynamic managements & Visionary principal Dr. K. N. Mistry.

The college has successfully entered in 3rd year with eminent growth by producing the students as Skilled Technocrats.

According to the needs of society we are facilitating by running the best leading courses such as Mechanical Engineering(120), Civil Engineering(120), Electrical Engineering(60), Computer Engineering(60), Automobile Engineering(60).



Administration Building



Side view of Department buildings

For good ideas and true innovation, you need human interaction, conflict, argument and debate

It is matter of great pride and pleasure for us, the institutes and industries around Navsari that Gujarat Technological University (GTU), one of the largest Universities for Technical Education in Gujarat, has accorded GTU Innovation Sankul Navsari to be established and managed or led by “**GIDC Degree Engineering College**”, Abrama, Navsari. This is an innovative initiative to bring students, academicians and industries together on common platform. Students’ innovative and creative attitude will be nurtured to solve problems of industries in a structured and systematic manner. This would bring academia closure to industries as in vogue in the western developed countries. GIDC Degree Engineering College has taken up the challenge in this GTU’s new venture.

Dr. K. N. Mistry, Principal of GIDC Degree Engineering College and **Mr. Pankajsinh Thakor**, Ex- President of Navsari District Chamber of Commerce are appointed as Co-Chairmen from academics and industries respectively for Innovation Sankul Navsari. Under this Sankul, there are 6 degree engineering colleges, 5 diploma engineering colleges, 1 Pharmacy College, 4 MBA colleges & 1 MCA college. *(Continued on P-6)*

“Be the change that you wish to see in the world.”

Principal's Message

It is my immense pleasure to well come you all to GIDC Degree Engineering College, Abrama, Navsari.

GIDC Degree Engineering College is regularly publishing quarterly news letter. The purpose of newsletter is to publish the activities of the college, achievements of the students, faculty and staff of the college. This is a unique college of the Nation, where the Industries and Commercial Sectors of Global Society are directly or indirectly connected with the college. College is the host for the Navsari Innovation Sankul covers the Navsari district, bardoli, Mandvi and Palsana, where the professional colleges like Engineering, Polytechnic, Pharmacy, Computer Applications and Management are covered. The Industries, related to these professions are also meeting regularly for discussion of innovations on the professional ground for the mutual benefits of the Industries and college students.

Apart from this technical education, college has planned to enter the extra-curricular activities. This year college had planned the sports, technical festival and cultural activities. These extra-curricular activities gives the opportunities to students to grow their inherent talent in all directions.

We have nearly 1000 students enrolled so far studying in computer, mechanical, automobile, electrical and civil engineering. College has motivated the professors as well as the students to explore the laboratory experimental test rig, to use them for the testing, consultancy, and research purpose for the Industries. By this way college will generate not only revenue, but it will enriched the experience of faculty and educate students the real life applicability. College being sponsored by the GIDC education society, GIDC itself has more than 1 million industries and 2 million professional working in different fields. The college has the target that when the current students enters in the final year 75% students will get the placement before they pass out. Rest 25% students will be motivated for higher education

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 absorbing 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". The training is provided to the students such that they become globally acceptable personalities with communication skills, proper attitudes and aptitudes, problem solving capabilities and to work as team players.

Principal Prof. (Dr.) K. N. Mistry

GIDC Education Society

| Name of the Member | Designation in the Society | Current Position/ Organization |
|--|----------------------------|---|
| Shri B. B. Swain , IAS | Chairman | Vice Chairman & Managing Director , GIDC, Gandhinagar |
| Shri. G N Jogiani, B.Com. | Member Secretary | Director (NA) & General Manager GIDC, Gandhinagar |
| Shri A. K. Patel B.E (Civil) | Member | Superintending Engineer GIDC, Surat |
| Dr. V. S. Purani M.E. Civil, Ph D. | Member | Asst Professor in Applied Mechanics & Deputy Director, Â Directorate of Technical Education, Gandhinagar |
| Dr. A. K. Dave B.E, M.E, Ph.D | Member | Ex. Director, SVNIT, Surat |
| CA V. G. Desai M.Com, F.C.A | Member | Chartered Accountant Navsari |
| Dr. D.G. Naik M.A, M.Ed, Ph. D | Member | Director Naran lala College, Navsari |

News Around the World

- ◆ Solar Impulse 2 embarks on latest leg of round-the-world flight.
- ◆ Revolutionary 3-D printing technology uses light and oxygen to synthesize materials from a pool of liquid.
- ◆ Addressing long-standing mysteries behind anti-wear motor oil additive.
- ◆ Scientists invent new way to control light, critical for next generation of super fast computing.
- ◆ Fine-tuning quantum dots from coal.

The function of education is to teach one to think intensively and to think critically.
Intelligence plus character - that is the goal of true education.

“Success is the ability to go from one failure to another with no loss of enthusiasm.”

Faculty Induction Program For Design Engineering- 1B

Preamble:

Design thinking has come to be defined as combining empathy for the context of a problem, creativity in the generation of insights and solutions, and rationality in analyzing and fitting various solutions to the problem context. Design thinking aims at looking to the conventional engineering in a new perspective leading to innovations. Design thinking is a formal method for practical, creative resolution of problems and creation of solutions, with the intent of an improved future result. In this regard it is a form of solution based or solution-focused thinking; starting with a goal (a better future situation) instead of solving a specific problem.

Technical content was presented by Prof. Nilesh R. Parmar – Asst. Professor – Dept. of Civil Engineering. The session started with brief introduction concerning the noble intention of GTU Innovation Council behind introducing the subject. As per directives of Hon. Vice Chancellor Shri Akshai Aggarwal this subject has been introduced at a continuous learning subject that is supposed to be studied by students throughout their degree course. Main benefit of such continuous subject is that students get an opportunity to focus on a particular area of their interest and remain continuously in touch with the topic by the medium of this subject. And Following topics covered in Design Engineering 1 B in seminar.



Faculties Visited Design Engineering 1B FDP at GTU

- * Prof. Mayur Patel Mechanical Dept.
- * Prof. Nilesh Parmar Civil Dept.
- * Prof. Rohit Damor Electrical Dept.
- * Prof. Sunil Khokhar Automobile Dept.
- * Prof. Brijesh Patel Computer Dept.

Faculty Development Programs

Prof. Harshal G. Vashi and Ms. Himani Rajput have attended FDP on Analytics using R - Software at Naranlala College of Management at Navsari from 14th to 15th March 2015.

Industrial Visit

The pre-final year students of automobile engg dept visited the VOLKSWAGEN PLANT, Pune on 16 MARCH 2015. The team consisted of 3 faculty Ms. Toral Patel, Mr. Ashish Jain & Mr. Ankit Patel along with 36 students of Automobile Dept. The students were looking forward to it since they enter in to the college to visit one of the leading company in automobile manufacturing —Volkswagen. The company that manufactures one of the fastest car on earth and produces fuel-efficient cars in the world, the company that ranks 13 in the fortune global 500 best brand and features in the list of all time top 10 best selling cars—previously known as the -- people's car --- Volkswagen.

Objectives of Design Engineering 1-B:

IDEA EVALUATION à Proof of concept

Product Development Canvas:

The PD Canvas has helped forming an idea on an alternative solution towards a purpose in other words, “Hypothesis” needs to be evaluated

How to??

We follow – AEIOU Framework (developed by Ethnohub)

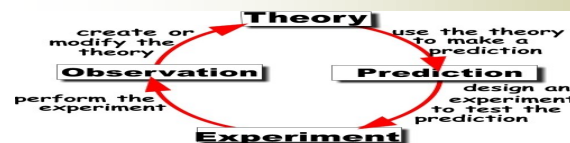
- Activities
- Environments
- Interactions
- Objects
- Users

How to? – Process

Materials are gathered via *ethnographic methods*:

Output

The components on PD Canvas followed by identification important observations. Establish links connecting to one another. The connections with PD Canvas reveals the anticipated *patterns* that are emerging.



Subsequently in the seminar Explained to How to do Design thinking and how to make prototype. All the canvases namely PD canvas, AEIOU canvas and LN Matrix canvas were explained to the faculty and students with real time examples. References were taken from the case studies available on GIC repository of design engineering subject. Students were provided with all the material that is available on YouTube and GTU website for making effective canvases. More than 70 students and faculty members from different departments participated in an interactive session followed by demonstration of sample canvases designed by faculty members during Faculty Development Program held at L. D. College of Engineering during 26th – 28th February. Further students were made aware of various outstanding activities of GTU Innovation Council like Students Startup Support System and CiC3. All the students showed great interest in response to the newly introduced subject Design Engineering and the wonderful initiatory activities of GIC.

Reported by: Prof. Nilesh R. Parmar

“There are far, far better things ahead than any we leave behind.”

Maitri Olympiads

“It is not the size of a man but the size of his heart that matters.”

Maitri Olympiads is a sports activity, organized by GIDC Degree Engineering College within the college campus during 6th Feb. to 10th Feb. 2015. Equipments and kits were provided by the college to organize such a grand event. All most all the students enthusiastically participated in various outdoor and indoor games like Cricket, Football, Volleyball, Table tennis, chess, Carom and athletic games. Environment was created in such a way that Students can understand the importance of team work and sportsman spirit. Faculties of GDEC College and non-teaching staff also participated in various games. Enjoyment with discipline made this event a grand success.

Reported by: Dr. Kaushal Thakkar



GUNJ 15

GIDC Degree Engineering College celebrated GUNJ 15, a cultural event on 13th Feb. 2015. This event provided a platform to the students to express their talents and skills in the field of arts, music, dance, drama etc. Students and head of the departments welcomed the dignitaries by presenting blossoming bouquets of flowers to them. Dignitaries on the dais encouraged the students as well as the faculties with their motivational words. Following the formal program, various event such as Indian and western dance, solo dance, Garaba, Singing were performed in this function.

Reported by: Prof. Ishita Panchal



Start by doing what's necessary; then do what's possible; and suddenly you are doing the impossible.

“Live as if you were to die tomorrow. Learn as if you were to live forever.”



Udaan' 15

Sky has no limits

After the born in its 3rd year, GIDC Degree Engineering College leap high and successfully organized its 2nd Technical Festival named Udaan' 15 on 11-12 Feb 2015.



Cheif Guest Dr. Tapan Mitra (Director, Pacific School of Engineering), Dr. Mehul Thakkar (Associate Prof. & Placement Head Navsari Agriculture University), Hiral Tailor (Asst. Prof. ASH, Pacific School of Engineering) and Dr. K. N. Mistry (Principal, GDEC) gave the perfect start-up to the Inauguration ceremony of Udaan'15 and boost the spirits of students with their valuable expression of knowledge.

The Grand Techfest was mainly divided in 4 zones namely Robotics, Idea Exposition, Creation and Fun Zone. This included various events like Robo Race, Robo War, Quiz, Poster Presentation, Programming Contest, Circuit Fault Finding, Model Presentation, Field strikers, Web Designing, Automobile Design & Modeling, Lane Gaming, Virtual Placement and Treasure Hunt.



All the faculty Coordinators, Teaching Staff, Non-Teaching Staff and Student Coordinators gave their best to fruitfully accomplish the 2nd technical festival Udaan'15, proving that sky has no limit.

VIRTUAL PLACEMENT

The virtual placement provides the students an opportunity to develop complex technical and communication skills across transitions of knowledge. They're gaining experience in a safe and supported environment that allows the freedom to make mistakes and then learn from them so that they practice safely when they reach a technical setting.

It was a great experience – the idea of communicating with professionals/ experts in an interview room is a bit intimidating but students feel much more comfortable now having practiced. Students also benefited from the expertise of specialist, attending aptitude test and group discussion.

Reported by: Prof. Kaushik Patel



Reported by: Prof. Harshal Vashi

“The Most Technologically efficient machine that man has ever invented is the book”

Treasure Hunt 2015

ASH Department of GIDC Degree Engineering College organized Treasure Hunt Event for all the Students of GIDC Degree Engineering College On the 10th Feb, 2015 as a part Of College Annual Program GUNJ 2015. The Event was in two rounds. 10 teams Consisting of 5 students each competed in the event. The Participants enjoyed the event by exploring the campus of GDEC. The audience cheered & motivated the Participants. We appreciate the efforts of faculties of ASH Department & student coordinators for organizing this event successfully.

Event Coordinators : Dr. Kaushal K Thakkar, Prof Harshit Naik



Principal Dr. K.N. Mistry discussing about Innovation Council with Shri A. K. Patel (Member, GEC), Mamlatdar, Jalalpure and others



Collector, Ms. Remya Mohan, Navsari

Continued From P-1, Cover Story

The meeting of Navsari GTU Innovation Sankul was held on **13th March, 2015** at GIDC Degree Engineering College, Navsari from 2:00 pm to 5:00 pm. Meeting was chaired by **Dr. K. N. Mistry**, Principal, GIDC Degree Engineering College, Navsari (Dean, GTU zone 5 and Co-chairman, Navsari Innovation Sankul). Most of the principals/directors of Degree/Diploma Engineering, Degree Pharmacy, MBA and MCA colleges under Navsari GTU Innovation Sankul were present in the meeting. Directors of Navsari GTU Innovation Sankul for Degree/Diploma Engineering,

In the meeting, Collector of Navsari, **Ms. Remya Mohan Moothadath (IAS)**, Magistrate of Jalalpure Taluka, **Mr. Jadeja**, were also present as Government Representatives.

Mr. A. K. Patel, Member, GIDC Education Society & S.E., G.I.D.C., Surat, **Dr. A. K. Dave**, Member, GIDC Education Society were present as GIDC Education Society representatives.

From industry, **Mr. P. S. Roy** (CEO, Drivz), **Mr. Shivkumar** (Partner, Satyam Engineers), **Mr. Devang Desai** (Partner, EM Fabricators), **Mr. Nilay Desai** (Owner, Novatech Engineers), **Mr. Mehul Panwala** (H.R. Manager, NHB Bearings), **Mr. Suraj Savalia** (CMD, Patson Foods (I) Pvt. Ltd.), **Mr. Rajesh Doshi** (Executive Director, VWETCL), **Mr. Digant Lad**, (Assistant Engineer, GIDC, Gundlav) were present in the meeting.

As per the agenda of the meeting **Dr. K. N. Mistry** has discussed in brief about GTU Innovation Sankul.

Reported by: Prof. Harshal G. Vashi



GDEC TEAM

Dr. K. N. Mistry, Principal (Dean, South Zone, GTU)

Dr. H.S. Patil, Head, Mechanical Dept.

Prof. Chirag Naik, Head, Electrical Dept.

Prof. Vikunj Tilva, Head, Civil Dept.

Prof. Toral Patel, Head, Automobile Dept.

Prof. Chirag Naik, Head, Electrical Dept.

Dr. Shailesh Patel, Head, Applied Science and Humanities Dept

This News Letter is published on behalf of GIDC Degree Engineering College
by **Dr. K. N. Mistry, Principal**

“Don't judge each day by the harvest you reap but by the seeds that you plant”