



RNI No. GUJENG/2013/49300  
Retail Selling Price : Rs. 10/-  
Annual Subscription : Rs. 100/-  
Published Date : 10th of Every Month  
Language : ENGLISH

# The Gardi Times

EDITOR : Dr. Siddharthsinh Jadeja, CO-ORDINATOR : MRS. KIRAN SUHEL SHAH | Year : 5 | Issue : 60 | Page : 8 | AUGUST 2018

## Tree Plantation at RaceCourse 2

Planting a tree is a lifelong investment. How well this investment grows depends on the type of tree selected and the planting location, the care provided during planting and the follow-up care after planting. Such a tree plantation was organized by the Government of Gujarat in association with Rajkot Municipal Corporation at Race Course 2.

Always being part of such noble cause, first year students from B. H. Gardi College of Engineering and Technology actively participated in the activity as a part of their Induction program. More than 85 students along with Prof. Priyanka Raval, Prof. Monika Shah, Prof. Kiran Shah, Prof. Kashyap Dave and Prof. Ankit Bhut. were accompanied by students for this noble cause.

Students enthusiastically participated in the tree plantation and fixed the tree guards to prevent the small bushes to be grazed. They contributed in the development of Race Course 2 project and also to maintain the environmental balance.



## Plantation





**Aim :**

The Finite Element Method (FEM) is a numerical technique to find approximate solutions of partial differential equations. It was originated from the need of solving complex elasticity and structural analysis problems in Civil, Mechanical and Aerospace engineering. In recent trend most of analysis software is working on the basis of FEM in the area of civil engineering. The practical advantages of using FEM have led many sectors to make it a fundamental part of their design processes.

**Content :**

The department of Civil Engineering is proud to commemorate that Prof. Jay Kapadiya, Prof. Jay Vekariya and Prof. Rahul Parmar was engrossed in QIP Short Term Course at Indian Institute of Technology Bombay on "Finite Element Method & Application in Civil Engineering". The expert covers topic related to Introduction to FEM, Advantages and disadvantages of FEM, Variational and weighted residual formulations, Formulation of 1-D, 2-D and 3-D elements, Programming techniques utilized in implementing FEM, Introduction to Boundary Element Method (BEM). Also covers hand on session of finite element package like Flexis, Mat lab etc. The broad objective of the program was to introduce the FEM to the participants & to apply the FEM to solve problems in different engineering disciplines viz. stress analysis, hydraulics, environmental and geotechnical engineering applications to familiarize participants to programming techniques in implementing the FEM. Important numerical technical had learned like Finite Difference Method (FDM), Finite Element Method (FEM), Boundary Element Method (BEM) and MeshFree Method

**Outcome :**

From this STTP Prof. Jay Kapadiya will design a module related to Structural analysis, Prof. Jay Vekariya will design a module related to Torsional analysis and Prof. Rahul Parmar will design a module related to geotechnical engineering applications at Gardi campus with students. It will enhance the skill of modern method of Finite Element Method (FEM) among the students.

**"QIP Short Term Course at Indian Institute of Technology Bombay"**



Session delivered by the expert



Exploring the Laboratory



Fetching the Memories with Experts



Awarded with Course Completion Certificate



Group picture of all Participants



# 72<sup>nd</sup> Independence Day





# Adventure on the first day of the college

## TREASURE HUNT – GENUINE BONA-FIDE TREASURE MAP

An inter-house treasure hunt was organized for the students of 1st semester B.E. on 19th July, 2018 to make new comers aware with the campus. It was a time bound activity.

Students were asked to move around different buildings and departments to collect the flash cards which were already given to the faculties. The students were divided to different groups and were named based on human values.

The students enthusiastically moved around the campus. The venues included were Main building of engineering, student section and Medical colleges of the campus as well as hospitals, library and security gate too.

The group which collected the more number of cards was declared winners as they reached maximum places and collected the cards.

The outcome of this activity was to make students visit the campus and be familiar with environment. Along with the visit of the campus the students developed interpersonal skills in the unfamiliar surroundings. There was display of tremendous team work and coordination among the house members. In the end it was a treat to watch the winners find the 'treasure' with huge smiles on their faces.



Formation of sheet



# Learning is movement from moment to moment

## "47th FDP (Basic Level 1) of Design Engineering"

### Objective :

To promote research in design/project based learning

### Introduction :

Design thinking is based on the different perspectives related to the innovate project of society and social welfare which can help to solve the basic problems. Design Thinking is developed to merge the gap for Design, Manufacturing, Business etc.

### Outcome :

To spread the awareness of Design Philosophy for make in India Solutions. To fulfill various engineering related requirements.

### Feedbacks :

It was very nice concept proposed by GTU, It was very helpful to social welfare as well as society also.



Making of Proto type



Observation Site



## Price is what you pay. Value is what you get. ETHICS – THE PILLAR OF TECHNOSAVVY HUMANITY

As digitalization and smart automation progress, many will see their jobs altered. Advances in automation technologies will mean that people will increasingly work side by side with robots, smart automation and artificial intelligence.

Shifting from cognitive skills to character qualities means restyling the way we organize. To unleash the full potential of character qualities, businesses should shift their focus from norms towards purpose and values, from rules and procedures towards providing meaning behind the rules, and from hierarchy towards more autonomy. Focusing on true human values will help reaching the highest potential of both businesses and their employees in the digital age.

To inculcate such human values and ethics among the aspiring engineers of B. H. Gardi College of Engineering and Technology on 23rd July 2018, the institute organized a seminar on Ethics – The Pillar of Techno Savvy Humanity by keynote speaker Swami Parmatman and Saraswati, founder and Acharya of Aarsh VidyaMandir, Rajkot.

Swamiji focused on loving thyself, be patience and well explained the meaning of quality education. Audience included Chairman and Vice Chairman from Gardi Vidyapith, students from First year and second Year actively participate in the session. The seminar was concluded with the question answer session with the students.

