The Gardi Times

Workshop at IIT Bombay

CE/IT/MCA

The Department of Computer Science and Information Technology from B. H. Gardi College of Engineering and Technology always aims to bring Computer Science and Engineering under graduate students together in a semiformal workshop atmosphere. The goal of the workshop is to expose these students to the concepts of academic writing, peer review, research presentation, critical thinking, and academic way of thinking in general.

Prof. Kashyap Dave Attending Android Workshop

More than 20 students of CE-IT department had participated in various workshops such as Voice Recognition-Alexa, Google Android, Chabot and Machine Learning in Fintech conducted at IIT Bombay during 13th to 16th December, 2018. They got an opportunity to learn how different ALEXA skills are developed at Amazon. The workshop was scheduled on 15th December, 2018. The entire session was conducted by ALEXA Evangelist Mr. Sohan Maheswar and Mr. Aakarsh Nair who are currently working at Amazon. Students also got an opportunity to learn how to develop Google Android app from the esteem app developers who are currently working in this field. The workshop was scheduled on 13th and 14th December, 2018.

Faculties and students at TechConnect event

Prof. Hardi Sanghavi with ALEXA Evangelist Mr. Sohan Maheswar and Mr. Aakarsh Nair

Conti... from page 1 - IIT Bombay

Faculties and students at Techfest - 2018 event

Students attended Techfest - 2018 at IIT Bombay where they interacted with many students from different universities and

Prof. Kashyap Dave and students with Mr. Harsh Sheth, alumni of CE-IT department

acquainted about current technologies.

There were 20 extraordinary international exhibits curetted from the globe like :

"Furhat Robotics" - world's most advanced social robotics platform.

"HACKberry" - a 3D printable myoelectric prosthetic arm.

"Android U" - one of the most intelligent android from Hiroshi Ishiguro Lab, Japan.

The current market trends and requirements can be best described who became part of it. The students of CE-IT department got an opportunity to meet Mr. Harsh Sheth, alumni of CE-IT department from 2013-2017 batches, on 18th December, 2018. Mr. Harsh is currently working as UI/UX designer and as Freelancer in Mumbai. The students had an interactive session with him and understood the requirements of current market for designers and also discussed about the entrepreneurship.

The entire team was guided by Prof. Hardi Sanghavi and Prof. Kashyap Dave from CE-IT-MCA Department.

5 Projects by IIT Bombay RnD Expo.

Teachers have three loves:
Love of learning, love of learners and the love of bringing the first two loves together

The department of Civil Engineering is overwhelmed with final successful completion of **Prof. Vimal Patel's** Doctorate of Philosophy course on research area of concrete under the research topic **"Experimental studies on the performance of concrete containing Recycled aggregate manufactured from C&D waste and ceramic waste" on 03rd April, 2019 at** Sardar Vallabhbhai Institute of Technology SVNIT, Surat.

Prof. Vimal Patel at green field of SVNIT Surat for final Defense

1 more feather to the crown - Dr. Vimal Patel

"Engrossed participants and captivating involved environment-hooded by Research Scholar"

Dr. Vimal Patel had published quality research papers in reputed journal of SCI and Gradevinar and the research topic emphasis highly on social and environmental approach. Dr. Vimal had gone through vigorously studying on various parameter of industrial waste utilization in concrete technology through continuous efforts along the trials and traces lead to outstanding achievement in industrial waste manufactured concrete.

"Enlightens of Research work to the examiner's and SVNIT students pursuing Doctorate"

Faculty training on Earthquake analysis at Marwadi Instiute

Dr. Vimal Patel from the Department of civil engineering, a dynamic head used to groom and motivate his faculties along with their teaching skill stimulated the professional development.

Twice in a year faculties are sent to various institutes for learning workshops and expert talks to update themselves with current technology.

Prof. Lekhank Bhuva attended "Advance Earthquake analysis" on 22nd and 23rd of March, 2019 at MARWADI INSTITUTE under Expert Dr. Sarad Purohit(Professor in Nirma University) and Jayant Lakhlani (Structural Engineer, Rajkot) which is helpful them to work on advance analysis used in current arena. The faculties had learned the advance solution for construction in fault zones and how can an engineer deal with earthquake to protect its infrastructure.

Certified training

Outcomes:

• Prof. Lekhank Bhuva will discuss its part of knowledge in academics for next semester

• New projects idea can be worked out for next term in terms of student development.

Electrical Engineering

Industrial Visit at Jyoti CNC Automation Ltd.

Students from the department of Electrical Engineering visited at Jyoti CNC Automation Ltd., Rajkot. The purpose of the visit was to strengthening the knowledge of students in the field of Computer-integrated manufacturing.

Visit coordinator receiving momento from faculty

Students learnt the working and manufacturing of CNC lathe, CNC Milling, CNC Turning Center etc. These machines are designed in the State of Art in-house Computerized Design Department equipped with the latest Designing Software. The

Machine Tool is manufactured in-house with the latest Machines right from preparing casting in foundry till final dispatch. Even many bought-out components used are outsourced from the best available in the world.

Faculty Development Program on Google Calendar, Google Keep and Google Task

Enthusiastic faculty always aimed at enhancing research and teaching capabilities of peer educators, specially designed for faculty members of the Department of CE/IT/MCA. Internal FDP was conducted by Prof. Rahul Vora on 2nd November, 2018.

Features of Google Calendar:

- New Schedule View
- Add Formatted Notes and Attachments to Events
- Schedule Meeting Rooms
- Simplified Appointment Slots Tool
- See More with a Year View
- Find Anything with Integrated Search
- Track Time with a World Clock
- Tweak Calendar with Redesigned Settings
- Add a Google Hangout to your event.
- Add attachments.

Prof. Rahul Vora(CE/IT) conducting FDP on GCAL

CE/IT/MCA faculties attending FDP

Features of Google Keep:

- Are you tired of keeping track of scrap papers scribbled with notes?
- Label and Tag : Never lose track of your notes

again with Google Keep labels.

- Color Coding : Take your organization to the next level with Keep by color coding your notes.
- Set Reminders : Don't get behind on any of your to-do's by setting reminders.
- Take Photo Notes
- Transcribe Text from Images
- Audio Notes
- Archive or Delete
- Drawing in Keep
- Google Keep Chrome Extension

Features of Google Task:

- Create and organize simple to-dos in Gmail and Google Calendar
- Organize tasks into lists
- Add due dates and notes
- Drag-and-drop tasks to organize and turn into sub-tasks
- Drag Gmail emails into Google Tasks to schedule them
- iOS, Android, and Chrome apps

2-Days Workshop on Android Programming

The dominance of smart phones has completely changed the way people think about a mobile phone, from being simple device for making a phone call, to device that can do as much as a laptop. It's not just hardware that allows it to be useful. It's some really vital software called the operating system that is needed too.

To dwell with current competition Android Programming workshop was organized by the Department of CE/IT/MCA on 27th and 30th October, 2018 by Prof. Renish Padariya and Prof. Dharmik Vasiyani. The aim of this workshop is to provide an opportunity to participants to get a firsthand knowledge of technology perspectives of the emerging areas of Mobile Application

Through these 2 days workshop named as "**Android Programming**", Facilitator gives basics of android studio, structure of android project, designing concepts with all layouts, changing activities with intent and basic introduction to SQlite.

The topics which are covered in session are as follows:

Day - 1 (Android Programming)
*   Familiar with the widgets and Introduction to Android Application Structure
*   Introduction to Layouts, designing with all layouts.
*   Practice session of Designing the application

Day - 2
*   Introduction of Intent and working with it and Transferring data using Intent
*   Introduction to SQLite Database

Android Workshop Certificate Distribution

Dharmik Vasiyani explaining practically about Android

*   Practice session

OUTCOMES:

Skills can be improvised after attending this like:
*   Programming skill
*   Logical skill
*   Some professional etiquettes

Importance of Android in Industry and Education Field

Prof. Renish Padariya taking practical sessions

*   With the increase in the number and make of mobile phones, there comes a demand for better applications. And in turn, huge scope of android mobile application development in India.

*   Now, this puts a light on why companies like Nokia, BlackBerry, Samsung, HTC, Motorola, Google and many others are going wild with their innovations - increase in the need and use of Mobile Applications.

Visit to Hi-Bond Cement

Industrial visit is considered as one of the tactical methods of teaching. The main reason behind this it lets student to know things practically through interaction, working methods and employment practices. Moreover, it gives exposure from academic point of view.

Department of Civil Engineering organized the visit to **HI-BOND cement** Factory which is substantial company in the development of the

Token of gratitude from the Department of civil engineering

Saurashtra region. Several plants of Cement, Diesel Engine, Construction and Infrastructure, Cotton Ginning, Hydraulic Earth Moving Machine and Agriculture Equipments, Laminates, Oil extrusion GRP pipes & FRP products put up by this group themselves. Leadership of visit was taken by Prof. Jay Vekariya, Prof. Kajal Dudhatra and Prof. Jay Kapadia on 31st January, 2019 under guidance of Prof. Vimal Patel

More than 40 students had actively participated

HI -BOND Cement Factory

in this visit to get fruitful knowledge about Massive underground construction and Management aspects of intelligent Rapid transit system.

Cement Plant Visit:

- Students had visited the cement making process unit.

- Students had taken the ride of filling, packing and transportation management of cement bags.

- Students had also visited different equipment which are used for cement making process.

Outcome:

- The students were able to understand the manufacturing process of Cement.

- The students learned the different testing methods of cement.

- Students come to know about the precaution taken during making of cement.

The visit was carried out in two phases as there were two plants in industry. The first plant includes Casting, Sheet Metal bending and Painting, where they manufacture frames for different automation machines like CNC, VMC, HMC, etc. In the other part of visit, students went to the second plant of the company where they visited different departments like Foundry, Sub-assembly, Assembly and Packaging.

As an Electrical Engineer their main learning outcome was the panel design and panel wiring of CNC and VMC machines. Such practical exposure is very important for engineering students to realize their theoretical concepts. With that students learnt all about production of CNC, VMC and HMC machines and also learnt a lot about Jyoti CNC Automation like their variety of products, their customers and their network.
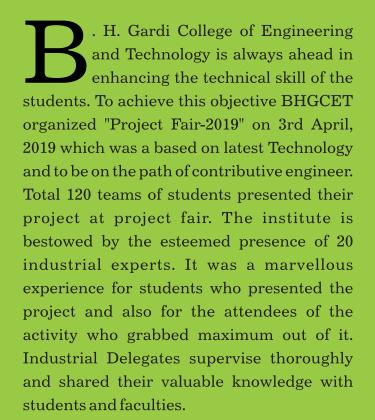
Electrical Department

EC Department

Mr. Prasant Dadhania Judging the project

Industrial expert giving their suggestions

CE Department

B. H. Gardi College of Engineering and Technology is always ahead in enhancing the technical skill of the students. To achieve this objective BHGCET organized "Project Fair-2019" on 3rd April, 2019 which was a based on latest Technology and to be on the path of contributive engineer. Total 120 teams of students presented their project at project fair. The institute is bestowed by the esteemed presence of 20 industrial experts. It was a marvellous experience for students who presented the project and also for the attendees of the activity who grabbed maximum out of it. Industrial Delegates supervise thoroughly and shared their valuable knowledge with students and faculties.

Project Fair 2019

Sharing Idea of latest Technology

Civil Department

Er. Ashwin Lodhiya reviewing Project

Mechanical Department

IT Department

Students interacting with Expert

Explaining Exact Industry Requirements

Visit to Sardar Sarovar Dam

N armada dam is one of the largest dam in world in terms of size and volume. This is about 1.2 km long and 163m in height and irrigates over 18 lakh hectare of land, using 6 reverse Francis turbine of 250MW in addition with 50MW Kaplan turbine.

Sardar Sarovar Dam

Students of 5th & 7th sem with Prof. R. B. Thaker and Prof. Y.V. Champaneri at basin area of Narmada river.

To look after the working and power production with maximum capacity of Narmada project, Department of Mechanical Engineering organized a visit to Sardar Sarovar Dam for the pre final year students.

Students gained knowledge about the working principle of major projects of hydropower plant, which provides electricity as well water for four major states including Gujarat, Maharashtra, Rajasthan, Madhya Pradesh. it produces around 6 crores of electricity per day with 30 radial gates in dam. On other side there were two rope way lift, capable to move with 400ft each to lift heavy machine parts useful for maintenance work.

Feedback:

Such a visit enhances the knowledge of students to get dipped in the field, with more such deep detailed information on such major projects increases the grasping power of individual and help them to come out of the books.

- 7th sem students

Students of 5th & 7th sem with Prof. R. B. Thaker and Prof. Y.V. Champaneri under the statue of unity

Training on ISO/IEC 17025 An International Standard

Department of Civil Engineering is proud to commemorate that Dr. Vimal Patel and Prof. Rahul Parmar was engrossed in training related to ISO/IEC 17025: LABORATORY MANAGEMENT SYSTEM at PUNYAM Academy, Ahmedabad, from 3rd to 6th July 2018.

As the department of Civil Engineering took a step to acquire NABL approval for material

"Session given by expert"

is acceptable to client. Signatory personnel must attain the training to achieve described goals.

Different topics related to lab testing, methodology, authenticity, validity and acceptability had been discussed. Hands-on session and exercise were conducted to ensure

"Fetching the Memories with Experts"

testing laboratory, it is needed to ensure the quality of results produced by the consultancy cell. Result reports should be well managed, confidential and unbiased. All technical aspect of test should be well referred with standard guides and reputed research works so that the reliability of result produce from the laboratory

"Exercise on Understanding the Lab Management System"

the engagement of participants and also, timely exams were conducted to ensure the worthiness of participants to acquire international certification.

With this training Dr. Vimal Patel and Prof. Rahul Parmar will develop the management system to meet the general requirement and competency for testing laboratory.

Awarded with Training Certification

An Interactive Session on "Use of Industrial Wastes in Concrete Technology"

The department of Civil Engineering used the above quotes to groom the effective teaching learning

the construction industry based on GPCB (Gujarat Pollution Control Board) and its construction measures.

This extraordinary interactive expert talk cum discussion marked on March 27th, 2019 in refreshed and enthusiastic manner with companion of all faculties of the department for 4th and 6th semester students.

"Keen understanding leads to new innovation"

methodology. Dr. Vimal Patel explored the content of his doctorate research work towards the student's in terms of expert session which help them to identify novel industrial waste search and utilized in

"Interaction and discussion lead to fine conclusions"

"Passionate teacher delivering the work of researches"-Head, Dr. Vimal Patel

"Obedient listeners highlight and trigger brighter ideas"- along with Professors

Winter Internship @ Bennett University, Noida, Delhi

Making Deep Learning and Artificial Intelligence skills mainstream in India to fulfill trilateral needs of entrepreneurship, Industry-academia partnership, and application-inspired Engineering Research, a winter Internship program was organized at Bennett University, Noida, Delhi.

Internship Program was attended by nearly 100 students from different institutions across India and abroad in December 2018 at Bennett University. The internship was on Artificial Intelligence and Deep Learning.

Dr. Sridhar Swaminathan took highly interactive two-day 'Workshop on AI and Deep Learning' for the Intern students.

Two days IEEE 2018, 8th International Advance Computing Conference was conducted by Prof. Jagannath Sarangpani, Rutledge, Missouri, University of Science and Technology and Prof.

Head of CE_IT appreciating students for successfully completing the internship

From BHGCET, **Mr. Preet Ardeshana, Mr. Smit Shoriyani, and Mr. Kardam Joshi, students of 4th semester, CE/IT** had participated in this workshop and conference.

These students showcased professional attitude and an intense desire for learning. **Dr. (Prof.) Vaibhav Gandhi**, Head of IT/MCA Dept and

Internship Team at Bennett University, Noida, Delhi

Ram D. Sriram, National Institute of Standards and Technology, Gaithersburg.

Students were assigned different projects. Some of which were Path detection on indoor movement navigation, Aerial object detection using fatter RCNN and Thermal classifier (Human, NotHuman) and SMS Spam Detection.

Prof. Hemal Rajyaguru, Head of Computer Engineering Dept had inspired them to attend such a grand event, being conducted out of state, and also congratulated them as well for attending it successfully. All of them successfully completed the winter internship and have been awarded with the appreciation certificates.

State Level Event "Enterpreneur Talk Series"

Objective: Empowering youth through Skill and Entrepreneurship.

Participants: 2nd, 4th and 6th (All Branch Students)

No. of Students: 300+

Date: 09/02/2019

Duration: 4 Hours

Event Coordinators: Prof. Mitul Sheth, Prof. Rahul Vora and Prof. Monika Shah

SESSION BRIEFING:

It never ceases to amaze anyone how much time people waste searching endlessly for magic shortcuts to entrepreneurial success and fulfillment when the only real path is staring

Faculty Event Coordinators with Entrepreneurs

them right in the face: real entrepreneurs who start real businesses that employ real people who provide real products and services to real customers.

With the objective to spread the concept/thought of entrepreneurship to mass of the society PLACEMENT CELL, ENTREPRENEUR CELL, SSIP and CE/IT/MCA Department jointly organized State Level Mega Seminar Talk that is "ENTREPRENEUR TALK SERIES: The Journey From Zero to Infinite". It was organized on 9th February, 2019 for all the students of various departments. Mr. Deep Moteria - (Director - Elluminate Inc.), Mr. Tejas Jasani (CEO - The AppGuruz), Mr. Bhavin Thakkar (Farmer of IT) were the experts for this mega seminar.

The session consisted of Which industry to be

Entrepreneurs sharing their life's success story with students

started, how to start, which type of held and facilities are available, how to manage the business successfully, product guidance, information sources, market survey, managerial inputs, project report preparation, counseling, achievement motivation and post training supportive assistance.

Student Coordinators Team with Successful Entrepreneurs

Welcoming guests at Gardividyapith with an honor

Students grab the opportunity and learning to become a successful Entrepreneur

Deep Learning in Computer Vision with Python Programming

In Guidance of Prof. Mrudanga Pandya from Charusat University on 2nd and 3rd February 2019, Engineering Students of 4th and 6th Semester gain the knowledge about Basic Artificial Intelligence, Machine Learning

Prof. Hemal Rajyaguru (Head of CE Department) welcoming, Prof. Mrudanga Pandya (an Expert from Charusat University) at Gardividyapith

Studies and Concepts of Current research - Deep Learning, Along with Live examples, Applications and Mathematical - Algorithmic Approaches.

In enhancement, Students learned Python

Faculty coordinators with an Expert

Programming.

On Day-2 Participants executes Python Concepts by their own, Lean Basic Programming Application of Machine Learning, Briefed about CNN and Learn one basic application of Deep Learning.

Gardividyapith Team and Workshop Participants group photo

Prof. Hemal Rajyaguru, Prof. Parag Paija, Prof. Tarang Joshi, Prof. Renish Padariya, Prof. Dharmik Vasiyani, Prof. Kashyap Dave, Prof. Homera Durani and Prof. Heer Dholakia from Engineering, was participated and coordinated the Workshop.

Interaction Session