The Gardi Times

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SEMESTER - V

High Achievement Always Takes Place in the Framework of High Expectation.

UPCOMING EVENT

Gardi Vidyapith

GARDI

• Engineering • MCA • MBA •
• Ayurved • Homoeopathy •
Managed by
Smt. T.V. Mehta Charitable Foundation

SPORTS FIESTA 2020

" TIME TO SPORT"

DATE: 3RD – 5TH FEBRUARY 2020

FIT INDIA

FACULTY COORDINATOR
PUSHPRAJSINH JADEJA: 9574593055

MAIN COORDINATORS
RAJPALSINH JADEJA: 7990442037
VASU TILVA: 9723950466

B.H.Gardi College of Engineering & Technology, Rajkot

Placement 2020

Mona Kansagara
(CE)
Hyperlink Infosystem
(Software Developer)

Bansuri Pujara
(CE)
Sarjen Systems Pvt. Ltd
(Quality Assurance
Engineer)

Aashish Jotangiya
(CE)
Appitsimple Infotek
(PHP)

Asmita Katarmal
(CE)
Citta Solutions Pvt. Ltd
(Software Developer)

Ansari Mohammad
(CE)
Appitsimple Infotek
(PHP)

Rinkal Patadiya
(CE)
Gantner India Group
of Company
(Software Developer)

**Nishant
Mulchandani**
(IT)
Appitsimple Infotek
(BDE)

Riya Patadiya
(CE)
Gantner India Group
of Company
(Software Developer)

Jayadev Gohel
(CE)
Appitsimple Infotek
(Graphic Designer)

Database Management System

DBMS is one of the core subjects and essential in any of the Project Development. The goal of a DBMS is to provide an environment that is both convenient and efficient to use in: Retrieving information from the database and Storing information into the database.

The workshop on "Database Management System (DBMS)" was taken by Prof. Madhuri Vahasiya and Prof. Ajay Ardeshana for 3rd Semester CE/IT students. It was houseful day with more than 70 students participating with full energy and asking questions on SQL throughout the workshop.

Prof. Madhuri Vaghasiya shared her knowledge on Security in Database and SQL injection. Database security is a mechanism to protect our database from accidental or intentional threats. Students learnt how to secure a database from unauthorized access. Basics of SQL injection include how attacker uses sql injection to retrieve other users credentials and other critical information like card details, perosnal data etc. For practical of SQL injection students performed SQL Injection on windows 10 using DVWA tools.

Brief overview of Pl/SQL was given by Prof. Ajay Adreshana, origin of PL/SQL and how it was developed by the Oracle corporation in the 1980s, he guide students how to use PL/SQL concepts with live

demonstration of each concepts like cursors, stored procedures, stored functions and Database triggers. He further guided students on future of PL/SQL and references to pursue further studies in the same.

Outcomes: Students were able to understand

- The purpose of DBMS
- Security in database
- Basic Knowledge of SQL Injection

Topics Covered:

Live Demonstration of SQL injection by Prof. Madhuri Vaghasiya

Session conducted by Prof. Ajay Adreshana for PL/SQL Concepts

Session 1:

- Security in database
  - Basic introduction of security and its importance in database
  - Authentication, Authorization, Access control and its' types
  - Intrusion Detection

Session 2

- PL/SQL Concepts
  - Principals of PL/SQL
  - Cursors
  - Stored procedures
  - Stored functions and Database triggers

Session 3

- SQL Injection
  - Basic knowledge of SQL injection
  - Query manipulation methods
  - Perform SQL Injection on windows 10 using DVWA tools.

ALUMNI MEET 2019
BE / ME / MCA

1) 1st College in Saurashtra Zone to execute consecutive 8th Alumni Meet.

2) More than 350 + Alumni from working in various cities like Ahmedabad, Baroda and Rajkot have attended Alumni Meet-2019.

3) Celebration of Alumni Awards by giving awards in various categories like Flourishing Fresher, Effective Entrepreneur, Stunning Starlet and Active Alumni.

4) Chief Guest: Bina Khimani, Global Head, Infrastructure Segments, AWS Partner, Ecosystem, AMAZON

5) Networking Dinner

Off Grid Solar Power System

Department of Electrical Engineering from B. H. Gardi college of Engineering and technology had arranged Two days hands on workshop on "**Design and implementation of off grid solar power system**" dated 18th and 19th December 2019.

Solar workshop was conducted by **Prof. Rakesh Oza**, who is having **25 years** of experience out of which **7 years** he served in the industries and **18**

Dr. Vaibhav Gandhi with Prof. Rakesh Oza

years in the academic field. Nowadays he is working on decentralized Solar Power Systems and design and development of analog circuits for solar PV applications.

Workshop was started with the inaugural

Dr. Vimal Patel with Prof. Jay

function. Dr. Vaibhav Gandhi, Dr. Vimal Patel, Prof. Manish Patel, Prof. Priyank Zaveri and Prof. Gaurav Joshi were the motivating part of the function. After inaugural ceremony Prof.

Prof. Rakesh Oza interacting with students

Rakesh Oza interacted with students and explained the importance of solar. Second session of day one was hands on session in which students have measured open circuit voltage and short circuit currents at various angles and developed PV characteristics. Following this,

Prof. Rakesh Oza demonstrating the characteristics of solar

students learnt about the importance of the battery rating and battery specifications for the solar power systems. They also learnt about battery charging Circuits.

On day two, Students made battery charging circuit by themselves on bread board. They also learnt about charge control circuits and various methods of charge control circuits.

At concluding session, Prof. Rakesh Oza shared his experience with the students. He also shared some real life examples and some pictures of solar system implemented at his home.

Demonstrating

Demonstrating

Students making charging circuit on bread board

Prof. Gaurav Joshi presenting memento to Prof. Rakesh Oza

After attending this workshop students were in high spirits because they were conscious about the importance of the solar system and renewable source. They also agreed that this workshop will be helpful for them for the future projects.

Group photo of attendees with Faculties

Recent Trends in Internal Combustion Engine

Workshop on Recent Trends in I C Engine conducted by Prof. V. K. Mehta

Aim:

To enhance the technical knowledge amongst the students of Mechanical Engineering on recent trends in Internal Combustion Engines.

Introduction:

Department of Mechanical Engineering arranged five days workshop on **"Recent Trends in Internal Combustion Engine"** from 16th December to 20th December 2019 for 6th semester students.

During workshop students did hands on session on carburettor, four stroke engine, supercharger and turbocharger under guidance of Prof. V. K. Mehta. Students also learnt how to calculate payback time for CNG kit. On Industrial interaction was also arranged on the last day of

Industrial Interaction at Gujarat Forging Pvt Ltd., Rajkot

the workshop at Gujarat Forgings Pvt. Ltd., Aji GIDC, Rajkot.

During the interaction students visited Assembly shop, Research Lab, Paint Shop, Quality control department and Dispatch unit.

Outcome:

After the successful completion of the workshop students were able to know about various parts of engines. Through hands on practice they understood dismantling and assembling of Four

Hands on Practice on various components of Internal Combustion Engine

stroke Engine, Carburettor and Engine exhaust driven Supercharger.

Students Feedback:

Darshan Gohil: This workshop was very helpful for me as I am more interested in IC Engine. I learnt many new things related to current trends in IC engine through hands on practice and industrial Interaction.

Smit Faldu: I gain practical knowledge with the heop of hands on practice on recent trends in I C Engine. Industrial Interaction added more flavour to my knowledge.