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Basic of Intellectual Property Rights

Intellectual property is a category of property that includes intangible creations of the human intellect. Intellectual property encompasses two types of rights; industrial property rights (trademarks, patents, designations of origin, industrial designs and models) and copyright. It was not until the 19th century that the term "intellectual property" began to be used, and not until the late 20th century that it became commonplace in the majority of the world.

The main purpose of intellectual property law is to encourage the creation of a large variety of intellectual goods. To achieve this, the law gives people and businesses property rights to the information and intellectual goods they create – usually for a limited period of time. This gives economic incentive for their creation, because it allows people to profit from the information and intellectual goods they create. These economic incentives are expected to stimulate innovation and contribute to the technological progress of countries, which depends on the extent of protection granted to innovators.

To aware aspiring engineers from all the branches a central level seminar was organized by B. H. Gardi College of Engineering and Technology on 1st January, 2019. Mr. Parth Sejpal - GTU GIC Zone 4 Coordinator explained about the Basic of Intellectual Property Rights to more than three hundred students. The seminar started with learning of tangible and non-tangible property. Then elaborated about different IP method in India. Elaborated information was provided with some facts and figures about patent filling in India. Following Event Objective was achieved:

- 1.To know basics about IPR.
- 2.Motivate students to convert their idea / project to patent
- 3.To give information about patent search and patent filling process.



**IPR-Understanding By Mr. Parth Sejpal-
GIC Coordinator - Rajkot**



Student Learning from Expert



Department of Mechanical Engineering

Engaging minds, Empowering Success

Industrial visits are a complete package which aims at widening the knowledge of students. It is not just an outing organized by college authorities for fun. Industrial visits generate an excitement among students as they get a chance to learn something outside the confines of their school/college walls. Thus, it adds to a source of entertainment as well. The gap between theoretical learning and practical exposure is actually bridged by industrial visits. The Department of Mechanical Engineering arranged various Industrial visit as detailed below:

Visit at Skill Development Centre, Lodhika

At Skill Development Centre



Feedback:

Darshan Gohel

It was really an amazing experience and got knowledge about real application of Manufacturing Processes.

Also got the chance to improve our practical skills over their

Manav Godavariya

This was really remarkable day and it is a good kick for Technical and industrial interaction.

Industrial Interaction at Gujarat Forgings Pvt. Ltd. and Volkswagen Service Station, Rajkot

To enhance the technical knowledge amongst the students of 4th Semester and 6th Semester of Mechanical Engineering regarding new recent trends in Internal Combustion Engines, Dynamics of machinery and Automobile Engineering.

Department of Mechanical Engineering arranged an industrial interaction for the students of 4th and 6th semester at Gujarat Forgings Pvt. Ltd. at Rajkot Aji GIDC and Volkswagen Service Station at Gondal Chokadi on the same day. The motive of the interaction was to enhance the knowledge of students regarding Internal Combustion Engines, Automobile Engineering and Dynamic of machinery. Prof. V. K. Mehta and Prof. Y. V. Champaneri accompanied the students at the site for the interaction. The interaction was arranged on 24th January 2019.

Gujarat Forgings Pvt. Ltd. is one of the leading manufacturers of portable light weight diesel engines, water cooled diesel engines and air cooled diesel engines. Production capacity of them per day is 500 Engines. During the interaction students visited Assembly shop, Research Lab, Paint Shop, Quality control department and Dispatch unit. In Volkswagen Service Station various facility available like as Various types of garage tool kits, Wheel Alignment machine, Wheel balancing Machine etc.

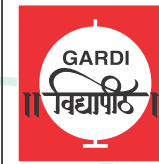
Outcome:-

Students gained depth technical knowledge in the field of Internal Combustion Engines, Dynamics of Machinery and Automobile Engineering Subject.



Prof. V. K. Mehta offering memento to Shri Prashant Kadel, Service Manager at Volkswagen Service Station, Rajkot

Prof. Y. V. Champaneri offering memento to Shri Bhargav Gohil, In charge Head of R & D Department at Gujarat Forging Private Limited, Rajkot



Department of Electrical Engineering

Two Day Workshop on

"32-bit Microcontroller & its Application in Power Electronics"

Two Day Workshop entitled "32-Bit Microcontroller and its Application in Power Electronics" was conducted at B. H. Gardi College of Engineering and Technology on 30th Nov & 1st Dec by Prof. Tarang M. Joshi from the Department of Electrical Engineering



Prof. Tarang Joshi Expelling features of Arm-Cortex Controller



Students are doing coding of controller



Certificate Distribution to Participate

Students are doing coding of controller



Final Year students of Electrical Department have taken part in this workshop to get knowledge of recent trends in fields of microcontroller and hardware implementation of power electronics using these microcontroller. In these two days session Prof. Tarang Joshi had explained and demonstrate working of several power electronics circuit with the use of microcontroller.

Feedback:-

"From two day workshop, I got to know about various types of microcontroller available in the market, apart from that a deep knowledge of 32-bit Microcontroller was given by Prof. Tarang Joshi. Because of this workshop I got opportunity to work with the hardware circuit of Multi level inverter and it is very helpful for the practical application of our subject. I am thankful to the B. H. Gardi Engineering College for organizing such kind of workshops for students."

-Jignesh Dodiya (7th Semester , Electrical Department)

" This two day workshop was very beneficial for me because I got to know hardware implementation of various power electronics circuits. In this workshop features of 32-bit microcontroller was explained and compared with several others controllers also which will be helpful for us for selecting a best suited controller for our final year project. I am very grateful to our department and college for organizing such kind of workshop.

-Sagar Bhatt (7th Semester, Electrical Department)



70th Republic day Celebration



Sports Fiesta 2019

Sports in education help to develop mental growth and increase the power of reasoning of students. Being actively involved in sports can help students relax from their daily routine of learning syllabus and reduces exam stress. One needs to keep a balance between work and play to keep the body and soul in sync. Sports not only make a person strong from outside but also develops a fit and sound body.

Gardi Vidyapith organized 3 days annual sports festival as Sports Fiesta 2019 for its Engineering MCA, MBA, Homeopathic and Ayurveda Colleges from 26th to 28th of January 2019. The event was fully organized and successfully executed by students' coordinators. The main objective behind this event was to develop a quality of sporting spirit. A venue to display their physical prowess and hands on experience of organizing events. Variety of sports were offered to students that include both indoor and outdoor games. Indoor games are Badminton, Table Tennis, Carom and Chess. Outdoor games includes Cricket, Volleyball, Football Kabaddi, Kho-Kho, Rope Wrestling and Athletics.

During these three days the entire campus echoed with passion and boundless enthusiasm for sports in the students. Online registration for individual and team for particular games started before week. On the first day, Sports Fiesta'19 inaugurated with torch lighting ceremony. Along with celebration and enjoyment, Gardi Vidyapith never fails to be the reason of any noble cause for our nation as it is duty and responsibility towards our society. All the registration amount collected from each game was donated to "Sainik Welfare Fund".





Department of Civil Engineering

A hands on workshop on SPT test for NABL & Academic activity AT GARDI CAMPUS.

The department of civil engineering had triggered violently and enthusiastically for the NABL related consultancy practices involving the 8th, 6th and 4th semester students. The SPT test is the most viable and important test to collect undisturbed sample for various parametric analysis of natural soil. Prof. Natasha Sagar and Prof. Rahul Parmar designed the workshop and shared Google form for the same.

The SPT test was conducted on 29th January, 2019, Tuesday morning around 10:00 AM after sports fiesta at field near the cricket ground of Gardi campus. Prof. Natasha Sagar took a brief session on the importance of SPT test and methodology for the same with performer students. Prof. Vimal Patel (Head, Civil Department), Prof. Jay Kapadiya, Prof. Jay Vekariya, Prof. Lekhank Bhuva and Prof. Kajal Dudhatra along with Laboratory assistant Mr. Dhaval Chavda contributed well immensely for smooth and technical execution of the test.

Student were able to develop the methodology of consultancy practices, importance of obtaining such samples, precaution and safety measures to be taken while performing such test to avoid accidents.



"Prof. Natasha Sagar delivering the basics of Standard Penetration Test and its importance for various parametric soil sample analysis".



"Glance of instrument centering and leveling before commencement of test".



"Instrument is ready to take the hammer and driving assembly".



"Student's adjusting the hammer over the bore hole and Practice safe lifting and dropping".



"The Assembly is fitted exactly and ready to driven for safe collection of undisturbed sample under observation of Prof. Vimal Patel, Prof. Natasha Sagar and Prof. Kajal Dudhatra"



"The View of Bore hole after Sample had been collected".



"The Driving rod driven and sample had been collected under guidance of Prof. Jay Kapadiya, Prof. Jay Vekariya and Prof. Lekhank Bhuva"