

GTU INNOVATION COUNCIL

CLUB

Campus Activity Report of September - 2019

(Om Engineering College, Junagadh)

Mr. B.K.Boghara

GIC Club Co-Ordinator,
OM Engineering College, Junagadh





Dr. N.M.Sureja

Campus Director,
OM Engineering College,
Junagadh

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Civil Department

SR NO.	ACTIVITY INFORMATION
1	<p>Activity : Academic Visit to Bhadar-1 Dam</p> <p>Type : Visit</p> <p>Date: 25th September, 2019</p> <p>Venue: Jetpur</p> <p>The department of Civil Engineering has organized industrial visit to Bhadar Dam 25th September, 2019. Students who are studying in 5 th semester degree have participated under the guideline of faculty members Asst. Prof. M. S. Qureshi and B. H. Savaliya. All the faculties and students reached at Dam site at 11:30 AM. First off all, Joshi sir explained us the water distribution network and irrigation canal network covered by Bhadar Reservoir.</p> <div></div> <p>PURPOSE:</p> <p>Main purpose for organizing this visit is to get aware about practical knowledge regarding hydrology and water resource management subjects like, Measurement of Precipitation,</p>

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Measurement of Evaporation, Measurement of Wind velocity, Gate operation in Dam, etc.

CONCLUSION:

From this Visit, we got aware about the necessity of hydraulic structures in the field of civil engineering and also in various fields. We also had great experience with the dam in charge, H. P. Joshi sir with his vast knowledge in his field. We got a lot of guidance by him which was much useful in civil engineering.

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Chemical Department

SR. NO	ACTIVITY INFORMATION
1	<p>Activity : Skill Development Workshop “Technochem – 1” Type : Workshop Date: 14th September, 2019. Venue : Om Engineering College, Junagadh</p> <p>Department of Chemical Engineering has organized a Skill Development Workshop “Technochem – 1” For all Final Year Students of Chemical Engineering Department. The purpose to arrange this workshop is to revise the questions which are most important and asked during the interview in Industries. These will improve the Basic Knowledge of Students. Technochem – 1 Work shop divided in to 3 Sessions, In first two sessions of workshop Two faculties from Chemical Engineering Department has delivered lectures. In First session Basic concepts of Material & Energy Balance and its importance in Chemical Industries explained by Prof. S. M. Tabani. And in Second Session basics of Fluid Flow Operations, in which Pumps, Valves, Joints, Fittings, methods of fabrications, Bernoulli's theorem, etc. Were explained by Prof. V. D. Pandit. In third session of workshop we had conducted an exam related to first two session, In which 40 (20 Questions of each subjects) MCQ's are asked. During the first two sessions Prof. S. M. Tabani & Prof. V. D. Pandit had delivered the lecture to the students by various case study of industries & by video lectures.</p>

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CONCLUSION :

The aim of this workshop is to revise the most important subject of Chemical Engineering with basic fundamentals and to provide the practical exposure to the students. Students are learnt about the industrial application of the subjects by various case study, video lecture, animated videos of the various equipments (like pump, valve, etc.). Process Calculation & Fluid Flow Operations are the key subject of Chemical Engineering, During the interview in chemical industries mostly questions are asked from these subjects. So it is necessary to revise & clear the basic fundamentals of the key subjects.

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Mechanical Department

SR. NO	ACTIVITY INFORMATION
1	<p>Activity : An Industrial Visit at “Ravi Metal Treatment - Rajkot”</p> <p>Type : Visit</p> <p>Date: 6th September, 2019</p> <p>Venue : Rajkot</p> <p>Department of Mechanical Engineering from OM Engineering College arranged one day Industrial Visit for 3rd Semester Degree students at “Ravi Metal Treatment - Rajkot” dated 6 th September, 2019 for better technical knowledge enhancement of students. Visit is important especially in the field of Engineering as the practice of engineering has an inherent (and unavoidable) impact on society. These programs can be a powerful tool to constitute a positive industrial climate. Overall, the aim of all these visit to trains the students to familiar about heat treatment process.</p>  <p>Purpose :</p> <p>The visit started with gas carburizing furnace the person from the company explain all the process of heat treatment and shows the difference after hardness. After that, he explained about shaker furnace and what is the difference between both furnaces. They also arrange quenching setup to show the quenching process. At the end of the visit, they perform the specimen preparation practical</p>

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and show the microstructure in the microscope.

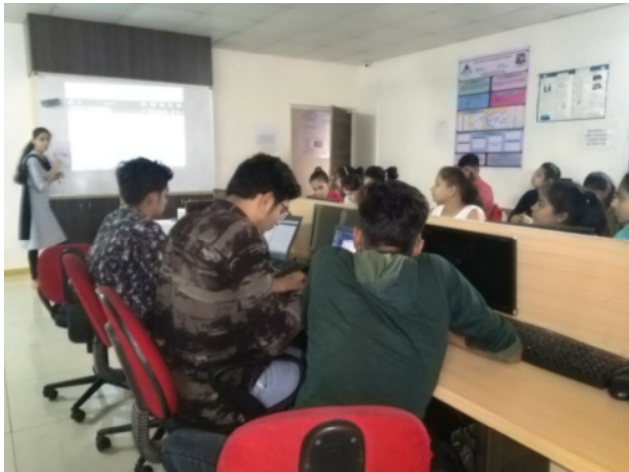
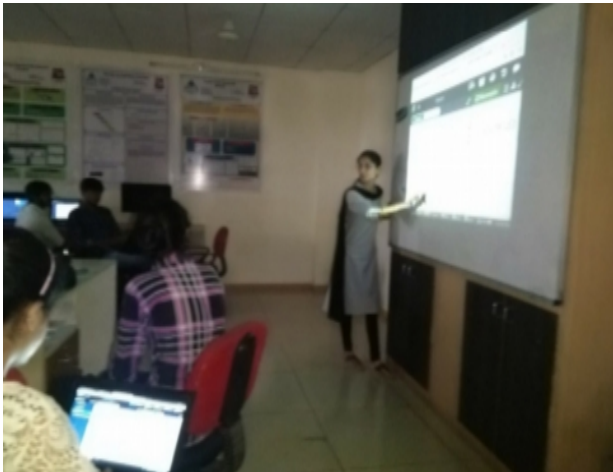
Conclusion :

At the completion of this visit students became aware about various heat treatment processes like gas carburising, through hardening, tempering, nitriding and hardness testing instrument and also students got benefited of specimen preparation experiment.

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Computer Department

SR. NO	ACTIVITY INFORMATION
1	<p>Activity : Workshop on LaTeX Type : Workshop Date: 5th to 6th September, 2019 Venue : Om Engineering College, Junagadh</p> <p>Purpose : LaTeX is a markup language used for the purpose of typesetting. LaTeX allows a user to add plain content in the system along with annotations with customisable commands. The process actually simplifies content and its placement in a document. Also, LaTeX is responsible for controlling the layout of a document and thus, making it more pleasing to the eye. It also eases the readability of a document by enhancing its appearance. LaTeX forces you to declare the document semantics (this is a Good Thing!), which is why you can rely on it to produce a consistent looking document.</p> <div></div>

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Conclusion :

If you are writing a long document like a master/PhD thesis, an article, or a review, you are better off with LaTeX. If you have never used it before, you will have to invest some time before you can get cracking on the actual task. But with Word the you will probably need a similar amount of time at the end to get the formatting right, move figures, and iron out layout glitches. So, LaTeX on big documents will be slower at the start and faster at the end, probably overtaking Word during the last rounds since the automatic figure positioning routines, automated numbering, indexing, TOC generation will save you plenty of work. Here, it's advisable to use a template and adapt it.

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Elcetrical Department

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ACTIVITY INFORMATION

1 Activity : A Visit to Impetus Prolific pvt.ltd

Type : Visit

Date: 16th September, 2019

Venue : Rajkot

Purpose :

In this visit the most valuable purpose is know how to make motors and Gear box. And what are standards of motors & Gear boxes. To check all parameters of motor like power factor, no load voltage, on load voltage, current, etc. this parameter is checked by automatically in one laboratory in company.



Conclusion :

From this visit, we get the information about the manufacture of Motors and Gearboxes practically and working of its. We get practical knowledge for our future. Student got the knowledge about different devices used in manufacture of motors and Gear boxes. They got the idea about how to work online assembly in large company. About 32 students were benefited from this visit as they got chance to discussion with engineers working impetus Prolific.

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2 Activity : A Visit to Silver Pump & Motor, Rajkot.

Type : Visit

Date: 16th September, 2019

Venue : Rajkot

Silver is established in 1981 as a supplier of Self priming pumps, Centrifugal Pumps, Openwell submersible Pumps, Borewell submersible Pumps and Mud/Sewage Pumps. They believe a provide best qualitative Pumps and win their feedback as lifelong business relation & its customer satisfaction is always on priority list. In the silver pumps, there is large production house which is 1,00,000 pumps per month in Rajkot. There are mainly two types of pumps first is submersible pumps and domestic pump.



Purpose :

In this visit the most valuable purpose is know how to make motors and water pumps. And what are standards of pumps and motors. To check all parameters of motor like power factor, no load voltage, on load voltage, current, etc. this parameter is checked by automatically in one laboratory in company.

Conclusion :

From this visit, we get the information about the manufacture of motors and pumps practically and working of its. We get practical knowledge for our future. Student got the knowledge about different devices used in manufacture of motors and pumps. They got the idea about how to work online assembly in large company. About 32 students were benefited from this visit as they got chance to discussion with engineers working at silver pumps.

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3 Activity : A Visit to ISRO

Type : Visit

Date: 19th September, 2019

Venue : Ahmedabad

The museum has full-scale model of **PSLV** and **PSLV** heat shield on its premises. The museum also has scaled down (one fifth in size) models of **GSLV**, **GSLV Mk-III** and **ATV**. Space Museum provides a tell-tale account of the Indian Space Programmed from its infancy. The story of the Indian Space Programmed is unfurled in six sections, comprising of history, education, technology, applications, global and the future. A movie theatre with surround sound system screens specially tailored movies on Indian Space Programmed. Center also introduce the orbit system as well as satellite launch system and the fuel used in the rocket science, there is also a quiz center related to the space technology and student get good knowledge with entertainment Student also get all the detail about various camera system of Marsyaan and Chandrayaan, and also view the real picture taken by those camera.



Conclusion :

By conducting this industrial visit students may get knowledge about the space application. The students get knowledge about Space Technology and Rocket Science at ISRO.

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4 Activity : A Visit to Amtech Electronics (India) Ltd.

Type : Visit

Date: 19th September, 2019

Venue : Rajkot

Amtech team includes professionals with rich experience in the field of Industrial Electronics, Manufacturing, Quality Assurance, Marketing and Research & Development. One of the total strength of about 300 professionals, about 250 are in Head Office, at Gandhinagar, which includes, R & D, Manufacturing and related disciplines. The remaining team established across the country in the form of Branch Offices, Resident, Marketing, Sales and Service engineers. Amtech also has a well-knit network of dealers and system houses which are extended arms of the Marketing team.



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SR NO.	ACTIVITY INFORMATION
1	<p>Activity : 1 Day Workshop On Entrepreneurship Awareness Program Type : Workshop Date: 25th September, 2019 Venue: Om Engineering College, Junagadh.</p> <p>Under the umbrella of the Business acceleration & start-up cell, OM Engineering College has organized 1 day workshop on “ENTREPRENEURSHIP AWARENESS PROGRAM” on dated 25 th September 2019. In the workshop more than 100 students from different discipline took part and gathered information regarding various topics of entrepreneurship. Ms. Namrata Bagthaliya, Expert from CED-Bhavnagar delivered her speech on awareness about entrepreneurship. She covered below topics.</p> <ol style="list-style-type: none">1. You want to be a businessman?2. Which business you want to start?3. How to setup business?4. What help and facilities are available for the business?5. How to manage the business successfully? <p>CED started conducting Entrepreneurship Awareness Programs (EAP) at Schools/ITIs, /Colleges and other educational and training institutes in Gujarat. Later on Entrepreneurship is now being taught in HSC/Polytechnics /BE/ B.Tech. / B.Schools and so on in the State. CED has successfully transformed the message of Entrepreneurship to each and every nook and corner of Gujarat. In order to strike a deep and long lasting impact on the State economy.</p> <div data-bbox="240 1188 850 1535"></div> <div data-bbox="865 1188 1489 1539"></div>

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PURPOSE:

To spread the concept/thought of entrepreneurship to mass of the society CED conducts Entrepreneurship Awareness Programs for the final year students to inculcate the entrepreneurial culture and environment in such a way that students get encouraged opting for entrepreneurial career rather than searching for a job.

CONCLUSION:

By conducting this Entrepreneurship Awareness Program more than 100 participants got awareness about Entrepreneurship and startup and also capable to understand terminology of real capital word as well as also be aware about the help provided by Government of Gujarat and Govt. of India as well to grow up a startup for new entrepreneurs.