

GTU INNOVATION COUNCIL

CLUB

Campus Activity Report of October to December, 2018

(Om Engineering College, Junagadh)

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Chemical Department

SR NO.	ACTIVITY INFORMATION
1	<p>Activity : A Visit to Hi – Bond Cement (India) Pvt. Ltd.</p> <p>Type : Industrial Visit</p> <p>Date: 4th October, 2018</p> <p>Venue: Gondal</p> <p>The Kishan Group of Companies requires no formal introduction, in playing a pivot role in the substantial development of the Saurashtra region. The several plants of Cement, Diesel Engine, Construction and Infrastructure, Cotton Ginning, Hydraulic Earth Moving Machine and Agriculture Equipment's, Laminates, Oil extrusion GRP pipes & FRP products put up by this group themselves narrate the Saga of its remarkable contribution to the region.</p> <p>Kishan Group, is now all set to begin a path breaking journey and cross yet another milestone, as it venture into establishing a large cement plant “Hi Bond Cement (India) Pvt. Ltd.” of 9 lakh ton capacity per annum in the village of Patidad in the Gondal District.</p> <p>Hi-Bond Cement would stand out as a paradigm in the field of value based products on basis of consistency, high compressive strength and high durability concrete. Consistency in the monitoring of the chemical composition of raw material with X-Ray analyzer ensures best quality raw material. High Compressive Strength due to excellent clinker quality helps in low shuttering cost and speedy construction. This cement, with low Alkali and low Chloride content gives durability to structures, prevents corrosion and provides highly durable concrete.</p> <p>Hi-Bond Cement aims at not only capturing the market of cement but also the hearts of the consumers. Our goal is not limited to just being the best producer of cement but revolutionize the area of quality in prices offered, services rendered, skilled manpower backed by efficient marketing.</p> <p>Hi-Bond Cement believes not just in meeting the deadlines but BEATING the deadline. By reaching out within no time and delivering the best cement to the Precast Industry, Ready-mix Industry and Retail Consumer. Hi-Bond Cement has set itself a target to be benchmarked as the best BRAND amongst all available OPC and PPC in the cement market. Company the focus on doubling the capacity within 3 years and bringing about revolutionary diversification Ready-Mix business in future.</p> <p>Purpose :</p> <p>In chemical engineering 3 rd Semester Subject namely Chemical Process Industries consists of the manufacturing of Portland Cement. It is better to understand practically with all unit operations, unit process & testing procedures of cement. The purpose of this visit is to understand the Cement manufacturing process & various equipments used in the cement industries. Also to understand the Distributed Control System (Automation of Chemical Processes) Use of Computer in chemical industries, Industrial work management & Importance of Safety in Chemical Industry.</p>

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Conclusion :

After this industrial visit students learnt about the various types of cement, cement manufacturing process & its testing procedures. Also learnt about the Industrial safety & work management. They are also familiar with the equipments used in the cement manufacturing as well as automation (DCS) system for production. And it is very useful to understand the various subjects of Chemical Engineering Branch like Chemical Process Industries, Pollution Control, Safety & Hazards Management, Instrumentation & Process Control, Mechanical Operation, etc.

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Electrical Department

SR. NO	ACTIVITY INFORMATION
1	<p>Activity : A Workshop on PLC & SCADA by Possible Automation & System, Rajkot Type : Workshop Date: 1st October, 2018 Venue : Om Engineering College, Junagadh</p> <p>Industrial Automation and Controls has always been a hotbed of newproducts - improved sensors, amplifiers, displays, recorders, control elements, valves, actuators and other widgets and gizmos. But the markets are relatively small, specialized and fragmented, and it's rare that any significant volume results directly from individual products. Since automation is such a fragmented business, all of the larger (multibillion-dollar) companies are mostly a conglomeration of products and services; each product segment generates a relatively small volume, but lumped together they form sizeable businesses.</p> <p>Today, automation growth is occurring primarily in international markets where new factories and plants are being built. In a tough, global environment, organic growth will not come easily, and the current crop of Top-10 automation majors will shrink by acquisitions and mergers. As China and India advance, expect one or both countries to make major automation acquisitions to enter the U.S. and European markets.</p> <div></div> <p>Purpose : Main purpose for this workshop is to aware students with current scenario of automation in industries. Also, they become familiar with industrial environment and to get practical knowledge and learn where & how we apply our theoretical knowledge in real application. Students will get the idea of PLC (Programmable Logic Controller), SCADA (Supervisory Control and Data Acquisition System) and HMI (Human Machine Interface). Students will also get familiar with special motors and their drives eg. Servo Motor and Stepper Motor. Wiring of DOL Starter, Star-Delta Starter, etc. With help of Hands on training on hardware related to Automation devices,</p>

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students will get the practical knowledge related to same.

Conclusion :

The workshop has been provided excellent opportunities for all whoever is ready for fundamental work and hands on experience on PLC, SCADA, Stepper motor, Servo Motor and different starters i.e. DOL and Star-delta Starters. Also from this workshop, students get the theory as well as practical knowledge about the automation system and its tools. Students also did hands on practical work on different tools. They also got information about the instrument which will come in their future job.

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College Level Activity

SR. NO	ACTIVITY INFORMATION
1	<p>Activity : A Joy of Giving Type : Social Activity Date: 28th , 29th and 30th October, 2018 Venue : OM Engineering College, Junagadh.</p> <p>OM Engineering College is doing many social activities every year for social awareness & to help the social as we are a part of the society. As we know that auspicious festival “DIWALI” is coming next week, we have decided to help the needy people, who can’t afford good food. In this context, we have done announcement in all classes & department & told about this social activity. Every students & faculties gave their contribution as per their will.</p> <p>To help the children who are belonging to the backward class & people whose financial status is not good, We have provided them a Blanket, Cloths, Food packet & a cracker box. Students have collected money from the students and faculties from each department and they gave their contribution as per their will.</p> <p>Students are very much enthuses in this type of activity. They have collected the donation in a single day and distribute the food packets and crackers to the poor people around the Junagadh City. Thus the students of Om Engineering College have celebrated the Diwali with such kind of social activity.</p> <p>Understand the needs and requirements of the poor and needy people. Help them overcome the adversities of life. One can help the poor and needy people by understanding their wants, desires and thoughts without diminishing their dignity and helping them achieve those wants in a respectable manner. Also, one should treat the poor and needy people with respect and understanding. This would make a huge difference in their lives. Give them the same respect and courtesy you would accord your friends and family members. Respond them with a kind word and a smile.</p> <p>In order to help the poor and needy, one can donate the old stuff from old clothes to appliances, furniture and other materials. Rummage through your belongings and give them away to the needy. Delving through old stuff and donating does help the poor people and makes a difference to those who needs such stuff. Donating clothes especially in winter season when the weather is too cold is of great help to the poor and needy people. Unneeded stuff can be donated to brighten someone else’s day.</p>

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Conclusion :

Showing the importance of Lights, students of Om Education Campus have initiated to collect fund from their pocket money and with donating crackers to poor students, wish Happy Diwali. India, country where Hindus are worshipping Goddess Saraswati and students of Om Engineering College have worshipped Goddess Saraswati at right place to right hand. They have philosophically proved the victory of Humanity on poverty on such auspicious festival.

The students and staff members of degree, diploma and B.Sc colleges of Om Education Campus have collected fund for the donating poor people. The fund was used to purchase blanket, food packets and crackers. We have distributed blanket, food packets & a cracker near BHOOTNATH TEMPLE, RAILWAY STATION, BUS STATION & DAMODAR KUND & MAJEVDI GATE to needy people. This activity was successfully executed.

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2 Activity : NavratrOM - 2k18

Type : Cultural Event

Date: 13th October, 2018

Venue : OM Engineering College Premises

Gujarat's Navratri Festival is a "Circle of ecstasy" that throbs students in a fusion of dance and devotion. NavratrOM-2k18 was organized on 13th October. All the students and staff together celebrated this festival with worshiping goddess 'Amba' and then dancing on the melodious tunes of garba. Students came in traditional dresses and were awarded by Prince, Princess, Well-dressed dude and Well-dressed diva. This function strengthens the student-teacher relationships and senior-junior bonding.



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Prize Distribution :

After the Dandiya judges announced four prizes to the winners and distributed gifts.

1. Well-dress Dude – Chauhan Sachin
2. Well-dress Diva – Gautami Dolly
3. NavratrOM Prince – Gajera Shyam
4. NavratrOM Princess – Antala Tula



Vote of thanks :

Prof. IRFAN BELIM gave the vote of thanks to one and all who had contributed in the cultural event NavratrOM-2K18. He has appreciated the efforts of student club and the volunteers , coordinators who made the event a big success. The organizing committee gave their sincere thanks to the Management of the college for motivational support.