OM ENGINEERING COLLEGE

Approved by AICTE & Affiliated to GTU

Date: 02-03-2014

GTU INNOVATION COUNCIL

&

UDISHA CLUB

Campus Activity Report of January-February – 2014

(Om Engineering College, Junagadh)

Mr. M. D. Gundaliya
UDISHA Club Co-ordinator,
OM Engineering college, Junagadh

Dr. H.M. Nimbark
Director/Principal,
OM Engineering college, Junagadh
Co-chair, Junagadh Sankul.

Mechanical/Civil Department

SR. NO	ACTIVITY INFORMATION
1	**Activity :Expert Talk on "Non Conventional Energy Resources"** **Type : Workshop/Seminar** **Date: 31st January, 2014** **Venue : Seminar Hall, Om Engineering College, Junagadh** Om Engineering College has organized Expert Talk on "NON CONVENTIONAL ENERGY RESOURCES" by Mechanical/Civil Department under the co-ordination of Prof. B. M. Garala, HOD of Mechanical department. The main purpose of this Expert talk is to improving the subject basic depth with practical approach and also learns how to converts our thoughts to real field applications. We are especially thankful to **Shri Veljibhai Desai, Founder-** ***Tinytech Plants*** **(Rajkot),** to giving us valuable information about use of non conventional sources of energy and scope of that source in the new research era. Shri Veljibhai Desai is mechanical engineer and law graduate also. He is 72 years young. As he was born in poor farmer's family and as he is influenced by Mahatma Gandhi's life. He had summoned up all his courage and left the job in 1982 and then founded TINYTECH PLANTS at Rajkot and since then he was deeply engrossed in development of small and simple technology for creating and strengthening local economy. At present he is engrossed in the development of various technologies such as wind mills, wind turbines, solar thermal power plant, and steam engines.

He started his talk with brief discussion of the real scenario of industries and country. He said that , “We are living in the era of engineers. Progress of science and technology has created innumerable amenities for happy life. Much of the comfort and luxuries created by industrial progress is due to the dedicated efforts of thousand of engineers, technologist and scientist. Hence, there is no exaggeration in saying that we are living in the era of engineers. But the industrial development as seen today is not so innocent. It has its black side also.

Present industrial progress is associated with exploitation, disparity, unemployment, poverty, centralization, urbanization, pollution, displacement of innocent poor people and wars also. Moreover, it makes our life more and more complex which gives rise to tension in our routine life.

some of the main objective listed below which fulfill the purpose of the expert talk

- To know about the profit of non-conventional source of energy.
- To do comparison between different non-conventional source of energy.
- To know about prospect and problem of non conventional source of energy.
- To design and develop simple and small technology and cheap technology for developing countries for various industrial fields, particularly for agro processing activities.
- To promote small scale projects for self help projects for the villages.
- To improve the quality of life and elevate the standard of living in developing countries through homogenous development of the society.
- To promote women entrepreneurship by making available to women appropriate technology for family size enterprises.
- To develop small scale decentralized technology for decentralizing various industries.

There are so many TINY Plants developed by Shri Veljibhai and he is also lighted on some TINY Plants during the expert talk like,

- RICE HULLERS
- TINYTECH Oil Expeller
- OIL GHANI
- SUGURCANE CRUSHER
- TINY THERMAL POWER PLANTS
- TINY THERMAL POWER PLANTS
- PARABOLIC SOLAR COOKER
- DOMESTIC BIOGAS PLANTS
- WIND MILLS

At the end of the talk the student of the 6th mechanical Patel Rahul delivered letter of thanks on the behalf of all students and *OM parivar*. After that Expert talk some valuable interaction with student to clear the Doubt about subject point of view and the shearing the knowledge about the starting the small scale business with "***Tiny industries"…….***

From this Expert Talk, we get the information about the Non conventional Energy Sources. We get usefulness in fundamental Knowledge which is important to understand the subject. We also get information about industrial application and which is useful to develop our carrier.

જૂનાગઢ

ન્યૂઝ ઇનબોક્સ

ઓમ એન્જિ.કોલેજમાં એક્ષપર્ટ ટોક કાર્યક્રમ

જૂનાગઢ : જૂનાગઢમાં ઓમ એન્જિનિયરીંગ કોલેજ ખાતે મીકેનીકલ ડીપાર્ટમેન્ટ દ્વારા નોન કન્વેનશન્લ એનર્જી સ્ત્રોતની જાગૃતતા લાવવા માટે એક્ષપર્ટ ટોકનું આયોજન કરવામાં આવેલ હતું. જેમાં રાજકોટનાં ઇન્ડિસ્ટ્રીયાલીસ્ટ વેલજી દેસાઇએ વિદ્યાર્થીઓને માર્ગદર્શન આપેલ હતું. જેમાં સક્રિય રીતે ઓમ એન્જિનિયરીંગ કોલેજનાં ટ્રસ્ટી મેમ્બર્સ, પ્રિન્સીપાલ ડો.એચ.એમ.નિમ્બાર્ક અને મીકેનીકલ ડીપાર્ટમેન્ટનાં હેડ બ્રિજેશ ગરાળા, આસિસ્ટન્ટ પ્રોફેસર ઉત્સવ ઘોળકીયા ઉપસ્થિત રહી કાર્યક્રમને સફળ બનાવ્યો હતો.

Electrical Department

SR. NO	ACTIVITY INFORMATION
2	**Activity: Spoken Tutorial Workshop on "SCILAB"** **Type : Workshop/Spoken Tutorial** **Date : 20-01-2014** **Venue: Seminar Hall, Om Engineering College, Junagadh** OM Engineering College has set up a milestone and established **Open Source Technologies Club (OSTC)** for providing as well as utilizing benefits of latest free and open source technologies under guideline of Gujarat Technological University. **OM Engineering College**, **Junagadh, Gujarat** has organized a Workshop on "Free and Open Source Software" for utilizing the "SCILAB". The workshop was conducted with the help of IIT Bombay Spoken Tutorial Team.

More than 60 student participants have participated in this workshop enthusiastically. Some key points were discussed in awareness event on “Free and Open Source Software”. Prof. Mehul gundaliya gives introduction about SCILAB and its importance.

Student learned SCILAB with the help of spoken video tutorial. In these tutorials mainly contain basic of SCILAB, Application of SCILAB & also give some exercise which is very helpful for beginner of this software.

Students really enjoyed workshop over here and again want to thank to all faculties to give them this great pleasure of the tutorial.

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Computer Department

SR. NO	ACTIVITY INFORMATION
3	**Activity : Expert talk on Software Development & HTML5 And JAVA SCRIPT (Angular JS)** **Type : Expert talk** **Date : 18-01-2014** **Venue : Seminar Hall, Om Engineering College, Junagadh** Computer Engineering department has organized expert talk on Software Development & HTML5 And JAVA SCRIPT (Angular JS) for 4th and 6th semester students of the Computer Engineering branches on 18-01-2014 at Om Engineering college, center seminar hall from 10:00 am to 1:30 pm. Introductory Speech By Student of 4th Computer Ridham Dholakia and H.O.D Mr.Himanshu Gajera sir of OEC. Sort Introduction is also given by Dr. H. M. Nimbark Principal of OEC.

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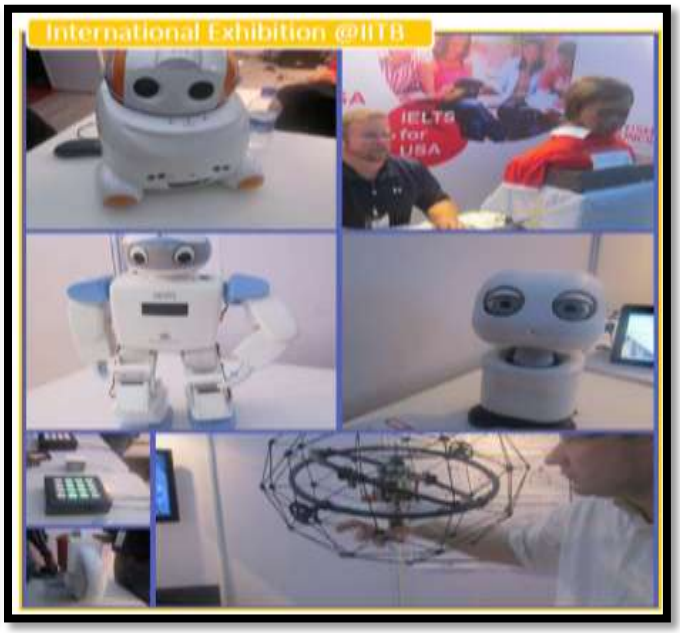
Mr. Nikunj Tilva (Senior Software Engineer, BEACOM) was invited at our college by Computer department, to share his experience.

He gives the brief idea about HTML5 & JAVA SCRIPT (ANGULAR JS) as well as discussed how the student can develop the software. Students of CE Department have also asked many questions related to company.

Prof Mr. Himanshu Gajera & CE Department has express his thanks toward the guest Mr. Nikunj to give his valuable time and guidance, he ask CE student to follow Mr. Nikunj instructions in future. The session was ended with the great enthusiasm of students toward the placement.

Computer Department

SR. NO	ACTIVITY INFORMATION
4	**Activity : TECHFEST 2013-14** **Type : Technical Event/Student's Visit** **Date : 03-01-2014** **Venue: IIT, BOMBAY.** Indian Institute of Technology, Bombay has organized Asia's Largest Techno Festival (TECHFEST-2014) on 3rd January to 5th January 2014. There many part of Techfest-2014 ➢ **International Exhibition** (International Robotics Company's Exhibition) ➢ **International Robotics Championship (IRC)** ➢ **Tech connect** (Creativity of IIT Students) ➢ **Lectures Series** (Experts in various field give lectures) ➢ **Ozone** (Technical Entertainment) ➢ **Technoholix** (Technical Entertainment Night) The Students of 6th semester Computer Engineering had visited Indian Institute of Technology Bombay for their knowledge improvement and know IIT's education fashion.



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Computer Department

SR. NO	ACTIVITY INFORMATION
5	**Activity : Current trends of Technology & carrier Scope of Abroad in USA (in CSE) 2014 – 15** **Type : Expert talk** **Date : 06-02-2014** **Venue : Seminar Hall, Om Engineering College, Junagadh** Computer Engineering department has organized expert talk on Current trends of Technology & carrier Scope of Abroad in USA (in CSE) 2014 – 15 for 4th and 6th semester students of the Computer Engineering branches on 06-02-2014 at Om Engineering college, center seminar hall from 12:45 pm to 2:45 pm. Mr. DarshanVaishnav, an employee of USA government and working with Marriot Company which runs by USA Government has accepted our request of an expert talk and visited and shared his keenness towards the upcoming trends and foreign scopes of abroad in the field of Computer and Science Department. He began the session by sharing with his own experience of L.D.Engieering College. He completed his B.E. from L.D. and ME(CSE) from Marryland University – USA. He asked the question, what is the Information Technology and computer science? And students have given the exact answer. He shared that Science is the base of all Engineers.

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Many students have said the name of the company but he explained to choose the type and designation like administrator of Data Base, designer, programmer. He shared about his first job as DBA and he said it is the most important area for each company because it stores all data and they are worried related to its security.

He also shared an experience of a International conference at Microsoft on .NET. He also shared experience of his friend's meeting with Mark Zukerberg.

Is English is necessary for any company? He explained that one should give clear about the idea which one is going to represent. Once it is passed and understood is only matters.

He asked about the various functions of the websites. He shared about the amazon.com for how much they are paying for each second? He shared that it is necessary to know each functions of your interested area. Students of 4thas well as 6thSemester of Computer Department have participated in the expert talk and it was remained interactive question- answer sessions.

Prof Mr. Himanshu Gajera & CE Department has express his thanks toward the guest Mr. DarshanVaishnav to give his valuable time and guidance, he ask CE student to follow Mr. DarshanVaishnav instructions in future. The session was ended with the great enthusiasm of students toward the placement.

Civil Department

SR. NO	ACTIVITY INFORMATION
6	**Activity : Visit of "khodal-Dham AGRI-14"** **Type : Visit** **Date : 24-01-2014** **Venue : Khodal Dham Kagvad, Jetpur** Om Engineering College has organized a visit for civil engineering student in AGRI-14 in kagvad khodal-Dham on 24th January 2014. All the students were entering in the gate of "Agri-14 Khodal-Dham" at sharp 9:00 AM. Students have seen Different types of stall in AGRI-14, the first stall of Narmada Bio-Chem. Pvt. Ltd. A person explains the different types of bio chemical and fertilizer used in crop production.

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Then student have seen the different types of water distribution pipe lines used in irrigation system.

Then all student and faculties riches at fluid mechanism exhibition and we have seen various types of machinery, motors, pumps use in water transportation and distribution and different diameter vise pipe lines for water distribution system. Students have seen the complete design of saline water model and drip irrigation system model. In which the saline water model is being working condition at Kodinar district. In this model protection provide from saline water by constructing canal system.

Then after at the outer side they have seen different types of excavation machinery like GCB, excavator etc. in different sizes as per need.

At the end all students attended a seminar related to various machinery used in excavation of land and transport mixing and placing concrete at construction site. It is such a memorable visit for all the students.

Civil Department

SR. NO	ACTIVITY INFORMATION
7	**Activity : "SOCIAL AWARENESS PROGRAMME"** **Type : Social Activity** **Date : 01-02-2014** **Venue: Govt.Deaf-Dump School, Junagadh** Om Engineering College has organized a social activity of "Donation of clothes and food" by the students of Civil Department under the co-ordination of Prof. N.A.Sherathia. Students and all staff members were gathered in the Seminar Hall. The function was inaugurated with lightening lamp by Chief Guests, Guardians of Om Education Trust and Guest of Honor, Principal sir as well as head of all departments. Sidhdharth, Student of 6th Semester of Civil Engineering has leaded the session by enchoring and share his thoughts on present condition of poor and handicap people. Then after all the students were sitting in the bus of Om Engineering College and on way to Girnar taleti junagdh near about 9:00 am.

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The posters, like “The help of people is the prayer of God” were sticked at the front side of college bus.

All students of civil engineering branch and Pro. N.A.Sherathiya Co-coordinator of this Social activity have started the activity with the banners in their hand and speaking slogans loudly of “help people is the prayer of people”.
The students were started the distribution of clothes to the people which were sitting outside the Damodar-Kund.

All students were felt goodness by providing the food and clothes to poor people who needed that. Then after all the students and faculty members left the Girnar-Taleti and move to the Deaf and Dump school Junagadh at 11:00am.

After the completion of study, deaf and dumb students took lunch, served by civil students. All the students of deaf and dumb school felt good and happy by taking such a delicious lunch. At the end, our students distributed clothes to the deaf and blind students and finished the activity at 2:00PM.

Computer Department

SR. NO	ACTIVITY INFORMATION
8	**Activity : Expert talk on .NET Technology** **Type : Expert talk** **Date : 10-02-2014** **Venue : Seminar Hall, Om Engineering College, Junagadh** Om Engineering College has organized a Expert Talk on ".Net Technolgy" by Computer Department under the co-ordination of Prof. D.P.Dave on 10th February, 2014. Students of 4th and 6th semesters and all staff members of computer engineering branch were gathered at center seminar hall and attended the expert talk from 10:00 am onwards. Introductory Speech By Student of 4th Computer Nidhi Ratanpara and Co-Ordinator Ms. Devangini Dave madam of OEC:

Mr. Denish Paravadiya and Mr. Rohan Purohit(Software Engineer, Softcom Technologies, Vadodara) were invited at our college by computer department, to share their experiences. Mr. Denish Parvadiya and Mr. Rohan Purohit gave the brief idea about .NET Technologies as well as discussed how the students can develop the software. They had shown practical scenario of .NET also.
They gave suggestion to students to learn about MVC(Microsoft view controller) as it is now demanded in market.
He covered below mentioned topics:-

.NET Technology

- ✓ About Different types of Software
- ✓ What is ASP.NET?
- ✓ Different types of .NET Framework
- ✓ Basic Structure of .NET Framework
- ✓ OOPs Concepts
- ✓ Introduction of Visual Studio 2012
- ✓ Features of Visual Studio
- ✓ Visual Studio with SQL server 10
- ✓ Stored Procedures
- ✓ Charts And Reports
- ✓ Validations
- ✓ Query Designer

Valedictory function

Prof Mr.Himanshu Gajera & CE Department has express his thanks toward the guest Mr.Rohan And Mr.Denish to give their valuable time and guidance, he ask CE student to follow Mr.Rohan And Mr.Denish instructions in future. The session was ended with the great enthusiasm of students toward the placement.

Students of CE Department have also asked many questions related to company as follow:

- Which is the best ASP.NET or PHP?
- Which is the best Android orASP.NET?

➢ **Students gave small gift as a Memento to the experts:-**

Computer Department

SR. NO	ACTIVITY INFORMATION
9	**Activity: Spoken Tutorial Workshop on "C/C++"** **Type : Workshop/Spoken Tutorial** **Date : 01-02-2014** **Venue: Seminar Hall, Om Engineering College, Junagadh** OM Engineering College has established **Open Source Technologies Club (OSTC)** for providing as well as utilizing benefits of latest free and open source technologies under guideline of Gujarat Technological University. **OM Engineering College**, **Junagadh, Gujarat** has organized two consecutive Workshops on "C/C++" for 2nd and 4th semester students of computer engineering. The workshop was conducted with the help of IIT Bombay Spoken Tutorial Team. Prof. Himanshu Gajera, HOD of computer department have explains importance and scope of open source technology to students.

More than 70 student participants have participated in this workshop enthusiastically. Some key points were discussed in workshop are:- What are the benefits to participate in IIT workshop related to OSTC, and Tutorials on C/C++.

Special thanks to GTU, IITB Spoken tutorial team, Prof. Himanshu Gajera (HOD-Comp) and faculty members of computer department for their kind support during the workshop. This is such a nice workshop for all the students.

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Computer Department

SR. NO	ACTIVITY INFORMATION
10	**Activity: Spoken Tutorial Workshop on "PHP & MY SQL"** **Type : Workshop/Spoken Tutorial** **Date : 07-02-2014** **Venue: Seminar Hall, Om Engineering College, Junagadh** OM Engineering College has established **Open Source Technologies Club (OSTC)** for providing as well as utilizing benefits of latest free and open source technologies under guideline of Gujarat Technological University. **OM Engineering College**, **Junagadh, Gujarat** has organized Workshop on "Php & MySQL" for 6th semester students of computer engineering. The workshop was conducted with the help of IIT Bombay Spoken Tutorial Team. Prof. Mehul Gundaliya, have explains importance and scope of open source technology to students.

More than 35 student participants have participated in this workshop enthusiastically. Some key points were discussed in workshop are What is Open source, Importance of Open source, What are the benefits to participate in IIT workshop related to OSTC and Tutorials on Php & MySQL.

Special thanks to GTU, IITB Spoken tutorial team, Prof. Himanshu Gajera (HOD-Comp) and faculty members of computer department for their kind support during the workshop. All the Students really enjoy the workshop over here.

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Computer Department

SR. NO	ACTIVITY INFORMATION
11	**Activity : Industrial Visit of "Scientech Company, Indore"** **Type : Industrial Visit** **Date : 17-18/02/2014** **Venue: Scientech Technologies Pvt. Ltd., Indore** Computer Engineering Department had decided to arrange two day industrial visit for 6th Computer Engineering students to improve practical knowledge and get benefited their theoretical knowledge under the co-ordination of **Prof. Devagini P. Dave** and **Prof. Mehul Gundaliya.** The tour is started on 16-2-2014 at morning (08:00 am) from junagadh railway station by first train, with lots of excitement & enthusiasm. Around 07:00 am the students were at indore railway station and then way to hostel, after small rest and breakfast they went for a Scientech company visit.

Ms. Ashwini has received us and track to seminar hall. She and scientech team give introduction about company. Then Tour to the Three Industrial Units of Scientech Company.

On first day, students would be taken around all departments, and will be shown all State -of - Art manufacturing processes viz. conceiving an idea, simulating the concept, PCB Designing, Prototyping, Testing, Trouble shooting, Assembling, Wiring, Pre Calibration, Calibration, Quality Assurance and Advance processes like Wave Soldering, SMD Assembling Machine, PCB prototyping machine.

On second day, Ms. Shital has received us and start the workshop on SLIVER LIGHT. She was introduces about this and also provide some dip knowledge.

Like Microsoft's new Silverlight is a direct competitor to Flash. Like Flash, Silverlight allows you to create interactive content that runs on the client, with support for dynamic graphics, media, and animation that goes far beyond ordinary HTML. Also like Flash, Silverlight is deployed using a lightweight browser plug-in and supports a wide range of different browsers and operating systems.
Then after she's given to all students one small task to perform on sliver light.

Students asked many questions related to silver light technology. **Mr.Nitin Nagar** and **Ms. Shital mam** gave answers of all questions. Students gave feeback through feedback form. They shown their interest for further training into Scientech for their final year project.

At Last we thanks to Ms. **Ashwini Karandikar** for providing such a nice opportunity for visiting scientech and Prof. D.P.Dave Mam gave small gift as a momentum on behalf of om engi. College to **Ms. Ashwini Karandikar and to Mr. Nitin Nagar. Ms. Ashwini Karandikar** gave also CRT and charts etc. to our faculties as a nice momentum. We learnt many new things in company and also seen practical work in there.

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We are thank full to Scientech Company for give practically live learning. And we are take some group picture near to scientech Company and enjoy our visit. **A special thanks to Prof. H. M. Nimbark, Prof H. K.Gajera, Prof. Pratik K. Patel & Prof. B.R.Ramani.**

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