



THE Gardi TIMES

time to step ahead...

BE THE CHANGE

WWE - A Case Study : Another Feather in The Cap of Gardi Vidyapith



To implement CPD Program effectively, **B.H. Gardi College of Engineering & Technology** had organized an event called **Wonder Working Engineers**. It is a noble initiation to provide a large platform to the student community to exhibit their hidden potential and

skills. This unique and innovative concept was appreciated by Hon. Vice Chancellor of GTU **Dr. Akashi Aggrawal** and considered it as a case study for all the colleges of Gujarat.

Prof. S. B. Jadeja (Executive Director) and **Prof. Sujata Wadhwa** (Head of Communication Skills Department) got the veracious opportunity to **present WWE as a case study** in the meeting with GTU Vice Chancellor sir and all CPD faculties across Gujarat at Chandkheda.



WWE: Understanding the Concept... Brainstorming...

- It is a group performance which helps students to develop **team spirit and leadership quality**.
- Students get an opportunity to perform on the stage in front of their relatives and dignitaries so they can **remove their stage fear** and become highly confident.
- It includes dialogue and speech which enhances student's **presentation and speaking skills**.
- Students will perform in the form of drama based on their technical concepts which helps them to perfect their **subject knowledge and clear fundamentals**.



- The play includes various practical application as well as real life application that helps to understand contributor and non-contributor mentality and mindsets in an effective way.



- Prof. Shabir Parmar (CS Deptt.)

Mirrors to Windows

The famous journalist Sydney Harris said, **'The whole purpose of education is to turn mirrors into windows.'**

Those mirrors which show nothing but the reflections of ignorance have to be turned in to the windows, the windows of knowledge and wisdom. To create these windows, GTU introduced the Bridge Course at the commencement of the Degree Engineering in the last academic year. The objective is to help new students to catch up with the pace and the nature of

academics in engineering courses. While majority of the colleges affiliated with GTU saw the Bridge Course as a burden, **Gardi Vidyapith** considered this as an opportunity to foster the student-teacher relationship and establish the interest of students for technical syllabus of engineering. Not one, but all the seven subjects of the Bridge Course were given due importance in execution.

INDUSTRIAL VISIT

Coca Cola & United Breweries - Hyderabad

M.H.Gardi School of Management, one of the prominent institute of Saurashtra regions has added one more feather in their crown. M.H.Gardi School of Management arranged an industrial tour for students of management for their practical exposure from 5th March, 2014 to 10th March, 2014. Almost 28 students and 2 faculties went for the visit. Students of M.H.Gardi School of Management interacted with the Production Manager and HR head at Coca Cola - Aminpur Plant. Over there students got an opportunity to see the process of mixing the liquid, filling through fillers, labeling and packaging. That two day visit was very informative and knowledgeable for both the students as well as the faculty members. Apart from this, students also enjoyed cultural exposure while visiting the city of Nizam- Hyderabad. They



visited Nizamuddin Museum, Laser show on water screen, Golokonda Fort, Ramoji Rao Film city and Char Minar.

Lake View Resort

The department of Civil Engineering had arranged one day industrial visit at **'Lake View Resort'** for 2nd & 4th sem. Civil Engineering students on **5th April '14**. Total hundred students participated in this visit. The objective was raising the knowledge and awareness regarding current scenario and new inventions in building construction industries. The motive was to

sewage treatment plant, water supply pumping station, electric power transformer with automation, roads and street light, common amenities zone etc.

They also keenly observed and studied the interior design of bungalow such as furniture arrangement, space utilization, kitchen platform design etc. Student got the useful knowledge of



reduce the gap between field and academics through visit.

Shri Chetanbhai guided students and explained every aspect the uniqueness of planning in detail and solved the queries of the students.

Students visited so many places such as individual bungalows,



well planned common amenities such as Gymnasium, Theater, Disco thwack, Swimming pool, Garden, Seating lounge, Children's play area,

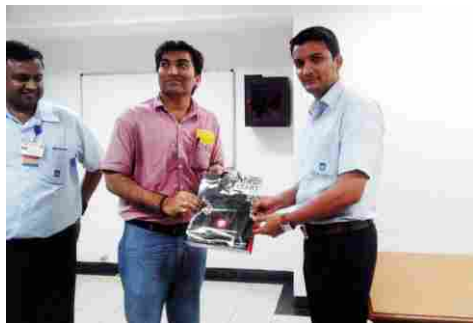
Restaurant, Library, Indoor games, parks, Temple, Lake with boating etc.

INDUSTRIAL VISIT

A Joyful Journey At General Motors, Halol Plant

On 6th May 2014, we the students of ASME BHGCET Student Section got opportunity to visit one of the top automotive organizations of the world. The General Motors at Halol. General Motors Corporation is an American multinational automotive corporation headquartered in Detroit, Michigan and the one of the world's largest automaker.

After brief introduction about the company, Students were shown a safety video and the Do's and don'ts in the conference hall. We were accompanied by Mr. Mitesh Parikh to the general assembly unit. He explained the initial process of how the skeleton of car is manufactured. First metal is welded into metal



shell. Then this metal shell is moulded into the skeleton via the process of painting and assembly of the car. There are four main assembly lines. One single line



is for assembly of Chevrolet Tavera and the other lines are for different cars such as Chevrolet Cruze, Chevrolet ENJOY.

We extend our heartiest thanks to The General Motors Corporation to make this day memorable.

FACULTY ACHIEVEMENT

CSE/IT Faculty Achievements @ Coursera

Prof. Jatin Ambasana of CSE/IT Department participated in one of the MOOCs (Massive Online Open Course) offered by Coursera. The title of the course was "Maps and the Geospatial Revolution". Prof. Ambasana earned the Statement of Accomplishment with Distinction from Coursera. He achieved an overall grade of 95.1%. The course was conducted by Dr. Anthony C. Robinson of The Pennsylvania State University.

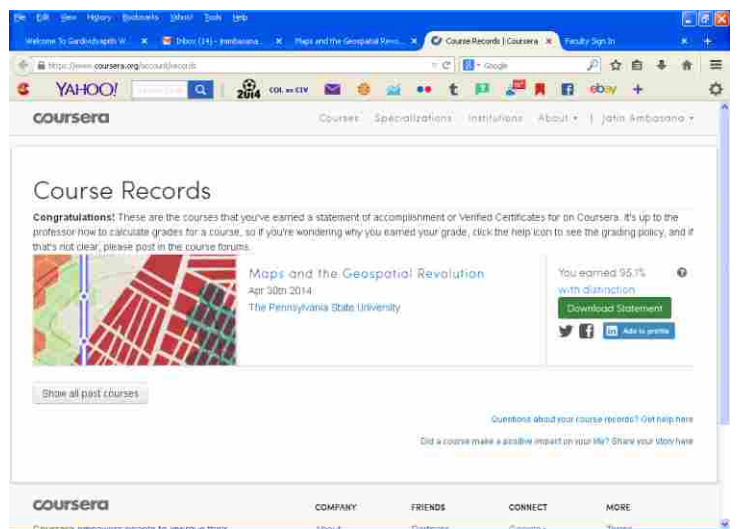


Dr. Robinson is the Lead Faculty for Online Geospatial Education for the John A. Dutton e-Education Institute and Assistant Director for the GeoVISTA research center in the Department of Geography at The Penn State University.

This introductory undergraduate course covers essential competencies in cartographic design as well as the application of geospatial technologies and spatial analysis methods to solve geographic problems.

Some of the features of the course as noted by the Course instructor were as following:

- More than 25,000 people signed up for the course.
- Out of 25,000+ registrants, over 15,000 were active in the class.
- 1352 participants passed the course (669 with Distinction Participants passed).



- They created thousands of new maps.

The course included topics like following:

- 1) What is Geography?
- 2) Thinking like a Geographer
- 3) Spatial Relationships
- 4) Spatial Data
- 5) Who Makes Spatial Data?
- 6) Spatial Analysis
- 7) Normalization
- 8) Layout & Symbols
- 9) Classification

...And many other interesting topics and excercises on Mapping.

LET'S THINK

Creativity and Innovation: Your Keys to a Successful Organization

The companies that have done the best over the long haul are those who are the most creative and innovative. These organizations don't copy what others do; instead, they may use innovative ideas from others as a spring board to come up with a unique application, product, or service for themselves. They tend to distance themselves from the competition rather than compete with them. If they see another company copying what they do, they create something new and better. In other words, they are able to leverage their creativity and their innovative capabilities to attain long-term success.

Would you like to be one of those organizations? You can be. In fact, all companies can be more creative and innovative no matter what their expertise, product, or service. When you apply creativity and innovation to every aspect of your business, you are able to stay ahead of a changing marketplace and the competition.



What is Creativity?

Creativity is a function of knowledge, curiosity, imagination, and evaluation. The greater your knowledge base and level of curiosity, the more ideas, patterns, and combinations you can achieve, which then correlates to create new and innovative products and services. But merely having the knowledge does not guarantee the formation of new patterns. The bits and pieces must be shaken up and iterated in new ways. Then the embryonic ideas must be evaluated and developed into usable ideas. In other words, there really is a process.

To help you master that process, you first must understand three important levels of creativity, which are discovery, invention, and creation.

Discovery: The lower level of creativity is discovery. Just as the name implies, it's when you become aware of or stumble upon something--discover it. For example, there is art called "discovered art." It might be a rock with a unique shape or a piece of wood with an interesting pattern. If you have ever purchased a piece of natural stone or wood art, that art was discovered art. Many inventions start with a discovery.

Invention: A higher level of creativity is invention. For example,



Alexander Graham Bell invented the telephone. But you have to ask yourself, "Would the telephone have been invented without Bell?" The answer is yes. Eventually the telephone would have been invented because the science was there. It might have taken longer, but it would have happened. So while invention is higher than discovery, it's something that is going to happen. If you don't invent it, someone else will.

Creation: Creation is the highest level of creativity. For example, the stage play Othello is genuinely a creation. Elizabethan drama would have gone on without Shakespeare, but no one else would have written Othello. Similarly, there are things that only your organization can create! The key is tapping in to what those things are.

Here's an example of how this could play out in your company. While at a conference you might discover a tool, a technology, or a process that you didn't know before. You purchase the tool for your staff, and that discovery helps everyone work better. After some time, that discovery may also spur an innovative idea of how to apply the discovery. You may then use that innovative idea as an inspiration that yields something never seen before, something created by your company that helps you and your customers. That's how the three levels of creativity can work together.

Realize that creativity and innovation are different. Creativity refers to generating new and novel ideas. Innovation refers to the application of an idea and, in many cases, is a collaborative enterprise. So in other words, innovation is applied creativity. Or if I put my creative speaker hat on, I might say, "Creativity is a bioelectrical thunderstorm that precipitates an inescapable notion."

10 Strategies for Increasing your Creativity and Innovation

Now that you understand the various levels of creativity, you can implement some strategies that will boost your company's ability to create and innovate.

1. Truly creative people have developed their ability to observe and to use all of their senses, which can get dull over time. Take time to "sharpen the blade" and take everything in.
2. Innovation is based on knowledge. Therefore, you need to continually expand your knowledge base. Read things you don't normally read.

CELEBRATIONS

Alumni Meet - 2014, Aakanksha - 2014 (Recharging Your Old Memories)

College is like a fountain of knowledge - and the students are there to drink: To take a walk down the corridors of nostalgia, the second Alumni Meet, Aakanksha 2014, was inaugurated by the Director Dr. Vishal Khasgiwala and Chairman Shri D.V. Mehta on 12th April, 2014.

feedbacks regarding their experience at M.H. Gardi School of Management which were as follows:

Mayur Dobaria says: It was a great journey of two years where we had learned a lot of things and specially institutions have made us capable to possess a good position in the market.



The occasion was graced by more than 100 Alumni ranging across various batches and also by the current batch students. Speaking on the occasion, our director Dr. Vishal Khasgiwala underlined and praised the achievements of Alumni of M.H. Gardi School of Management.

Then the evening was followed by a cultural program by our current batch students of MBA Sem IV & II and also MAM Sem II. Later the Alumni were given an opportunity to share their

Sohil Kalaria says: In true sense M. H. Gardi School of Management is a temple of learning. Here the students are groomed to meet the current and future market requirements.

Ankit Shobhasana says: When I entered into the MBA program I was not able to speak and communicate in a proper way and also facing a lack of confidence, but today I can confidently stand, share and express my views to my customers in the market.

Conti... from page 1 Mirrors to Windows...

As the great oaks grow from little acorns, small activities done by the faculties of Bridge Course were so yielding that by the end of the bridge course, the 'freshers' could build up a great rapport with the faculties on a personal basis. This enhanced comfort level resulted into interactive academic sessions.

The great difficulty in education is to get experience out of ideas. The theoretical knowledge is not only monotonous but also unrealistic at certain instances. The aim of education should be to teach us rather how to think than what to think. This is where the activity based learning steps in. Believing in this ideology, **Prof. S. B. Jadeja** insisted on adapting the activity based learning in the Bridge Course. Due to the activity based learning, more and more students adhered to the educational pursuits. This was clearly evident in the feedback of the students for the bridge course. To the pleasant surprise, the students insisted on having more of such sessions. Isn't this

an **ACHIEVEMENT** in its own? And how motivating this can be for the faculties as well?

Actions speak louder than the words. Looking at this successful implementation and superb approach for the Bridge Course, **Dr. Akshai Aggarwal, Vice Chancellor of GTU** appointed **Prof. S. B. Jadeja**, as the main coordinator of the Bridge Course implementation at the State Level. The another feather in our cap is that **Prof. Sujata Wadhwa** has been appointed as the Subject Coordinator for TWO subjects, **English and Life Skills**.

The educators successfully made the windows out of the mirrors and to the students' fortune these windows bring in front of them the classic view of their bright future. Now it depends upon them to open the window and enjoy the journey to the bright future.

- Prexa Joshi (CS Department)

GETTING ADEPT

The Oxygen of Modern Life : Workshop on PHP

CSE/IT Dept. of BHGCET had arranged one day workshop on **PHP** Programming Language on **17th April 2014**. It is a known fact that nowadays PHP is a booming programming language. So it becomes very much important for CSE/IT students to learn this language. This workshop was conducted by **Prof. Prashant Mehta**. The study material for this workshop consisted of the online video tutorials of **IIT-BOMBAY**. The workshop was attended by 60 students.

The students were very enthusiastic to grab the knowledge of PHP. This session was divided into Three Levels.

Level 1

- Basic Programs of PHP
 - Looping
 - Basic and Advance Functions
 - Array
 - Operators
 - Error Handling

Level 2

- Database Connectivity with My-SQL

Level 3

- Session and cookies
- String Functions
- MD5 Encryption
- User Login
- U s e r Registration
- Email Sending



The Environment of this seminar was totally Knowledge-packed. The students have shown their 100% dedication in all the sessions. At the end students were given an assignment for each level. The AIM of this workshop was to give students basic knowledge about website development.

- Makadiya Dhara & Faldu Vivek (6th Sem. CSE Students)



Workshop on Python

Department of CSE/IT had arranged one day workshop on **PYTHON** Technology on 19th April 2014 for the students of 6th Semester CSE/IT. Prof. Prashant Mehta had conducted the workshop for around 30 students. The Theme of the workshop was to provide the basic information about Python. Python is one of the emerging programming languages. By learning this language students can create Desktop based and Web based applications, Video games and Frameworks in an easy manner. By using all the concepts students created Screensavers and Mini-Games in the

workshop. At the end of the workshop students gave feedback by saying that "Now we have achieved one more step towards the success."



GETTING ADEPT

The Aesthetics of Photography : An Insight

Recently a workshop on photography was held by the finest photographers of India and others across the world. **Padmashree Mr. Raghu Rai** who is the only **Magnum Photographer** from India conducted this workshop. Mr. Raghu Rai, born in 1942, is an Indian photographer and photo journalist. Henri Cartier-Bresson appointed Mr. Rai, then a young Photojournalist, to Magnum Photos in 1977, which he co-founded.

Rai became a photographer in 1965, and a year later joined the staff of The Statesman, a New Delhi publication. In 1976, he left the paper and became a freelance photographer. From 1982 until 1992, Rai was the director of photography for India Today. He has also enjoyed to be a part as the jury for **World Press Photo from 1990 to 1997**. He is known for his books, Raghu Rai's India: Reflections in Color and Reflections in Black and White.

Krunal Makwana, a student from 6th Sem I.T. Dept of BHGCET attended this workshop held at Flair '14, PDPU - Gandhinagar on 22nd of March 2014. In which Mr. Rai highlighted the thought process of the modern era photographers. He said, **"While capturing anything, never think from your mind, because this**



mind is programmed to do everything else but not the photography. Instead, feel the emotions from your heart". Krunal attended this workshop as he is fond of photography, has developed it as a full time hobby and he has even carried out many photo shoots in BHGCET and outside, ranging from National Level Technical Events to Cultural Festivals.

- Krunal Makwana (6th Sem. I.T. Dept.)

Conti... from page 4 Creativity and Innovation:

3. Your perceptions may limit your reasoning. Be careful about how you're perceiving things. In other words, defer judgment.
4. Practice guided imagery so you can "see" a concept come to life.
5. Let your ideas "incubate" by taking a break from them. For example, when you are working on a big business project, one of the best things you can do to take a break from it is play your guitar or the flute for a few minutes, or take a ride on your motorcycle. It shifts your brain into another place and helps you be more innovative and creative.
6. Experience as much as you can. Exposure puts more ideas into your subconscious. Actively seek out new experiences to broaden your experience portfolio.
7. Treat patterns as part of the problem. Recognizing a new pattern is very useful, but be careful not to become part of it.
8. Redefine the problem completely. One of the lines I've been sharing for the past few years is: "Your problem is not the problem; there is another problem. When you define the real problem, you can solve it and move on." After all, if you had correctly defined the real problem, you would have solved it long ago because all problems have solutions.
9. Look where others aren't looking to see what others aren't seeing.
10. Come up with ideas at the beginning of the innovation process... and then stop. Many times we come up with several ideas and start innovating, and then we come up with more ideas and never get a single idea done. At some

point you have to turn off the idea generation part of the process and really work on the innovation and execution part in order to bring a project to life.

Create Your Own Success



The more creative and innovative you and your team members are, the more long-term success you'll achieve. So rather than constantly chase "the next big idea" in your industry, bring creativity and innovation to what you're currently doing. When you do, you'll be regarded as an industry innovator--the one your competitors are trying to copy.

(Source: Flash Foresight: How to See the Invisible and Do the Impossible)

- Asst. Professor Nilesh A. Ankleshwaria, M. H. Gardi School of Management, Gardi Vidyapith

C H A N G E

ACPC "Admission Committee for Professional Courses" regulates the admission of candidates to the professional degree courses. The **Mission** assigned to this committee is to carry out the counseling process in a fair and transparent manner.

The eminent speakers in the seminar were **Prof. M. Y. Patil, Prof. G. B. Modha, Prof. B. J. Shah OSD, ACPC and Dr. M. N. Patel, Vice Chancellor, Gujarat University**, also. In spite of their hectic schedule they made their availability on time to guide the youth, the future engineers of the country in the right direction, solved their endless queries, inspired them to follow their passion.

KNOW YOUR PASSION



In Collaboration with ACPC

Giving Proper Direction to Future Engineers

B.H. Gardi college of Engineering & Technology in collaboration with **ACPC**, has taken the seminars at various places like; **Amreli, Bhuj, Gandhidham, Himmatnagar, Patan, Ahmedabad, Bhavnagar, Dhrangdhra, Dhrol, Halvad, Jamnagar, Dhoraji, Junagadh, Veraval and Rajkot**. Most of the cities were covered across the Gujarat.

The students of today's generation are very smart and knowledgeable but sometimes due to lack of proper guidance, they are diverted to the wrong direction, so our aim is to fulfill the students' needs and to show them the right path.

Key Speakers



The quick-witted and eggheaded **Prof. Sujata Wadhwa**, (HOD, CS. Dept.) and ever energetic, never stopping, **Prof. Siddharth Jadeja**, the Executive Director demonstrated the student centric: **Learning by Doing** in the seminars and left the students spell bound .

Identifying Problems, Selecting Right Problems, Idea Generation: During the interaction with students, it was found that students were good with the bookish knowledge but lacking expressive power, wanted to speak but suffering from public fear, & lacking in Communication Skills.

M A K E R S

B. H. Gardi College of Engineering and Technology **advocates engineering for change** by fusing technology with talent and inculcates 21st century competencies to prepare the present students to face the future workplace.

With this aim the institute has started a series of workshops titled **Know Your Passion** to provide fundamental and useful information about various Engineering streams.



After passing 12th Examination, the students are confronted with numerous questions about selecting branch, college etc. The workshop **Know Your Passion** helps students to know their innate interest, their passion and their individual talent by organizing numbers of activities.

This workshop was planned as per **OBE (Outcome Based Education)** guideline which focuses on activity based learning. **Prof. Sujata Wadhwa** (Head of Communication Department) along with **Prof. S.B. Jadeja** (Executive Director) conducted the interesting activity sessions and students actively participated in different activities along with variegated workshops organized by all the departments to let the learners perceive the concept of "**learning by doing**".



Instances: Learning by Doing...

- Programming in VB
- HTML with various S/W
- Built a Wireless Robot and Its Application as Surveillance
- Advance Short Range and Long Range Communication Control
- Line Follower Robot Activity for Pick and Place in Large Scale Manufacturing Industries
- Gesture Control Mechanism - An emerging Application of Sixth Sense Tech.
- Relay Logic Workshop
- Magic of Magnets

Students shared memorable moments and learning experience at the end. They had experience to be part of these workshops. Many of their doubts and queries had been solved.

All the students who participated in workshop were invited to the **Certificate Distribution Ceremony** along with their parents wherein they expressed their heart felt thanks to Gardi Vidyapith for organizing KYP and requested to continue this noble programme.

- Prof. Shabir Parmar, CS Deptt.

GETTING ADEPT

Workshop on jQuery

A workshop on jQuery was organized by the CSE/IT Department of BHGCET. The Primary aim of this workshop was to make students familiar with the latest technical knowledge of jQuery.

jQuery is a multi-browser JavaScript library designed to simplify the client-side scripting of HTML. Students also learned a part of JavaScript and AJAX in this workshop.

Content of this workshop was as following:

- Basic Concepts of JavaScript
- Basic Concepts of Constructor in JavaScript
- How to Start with jQuery
- Latest version jQuery available on Internet
- HTML pages having different effects due to jQuery
- Ajax Programming in jQuery

Two full days of 12th & 13th March 2014 were dedicated to jQuery by Prof. Prashant D. Maheta & Prof. Rekha R. Teraiya. They conducted this workshop for almost 51 students, of 6th Semester CSE/IT Dept, who participated with incessant & positive enthusiasm.

- Prof. Prashant Maheta, Prof. Rekha Teraiya



Workshop on Socket Programming

A workshop on Socket Programming was organized by CSE/IT Dept of BHGCET on 12th & 14th March 2014. It was conducted by **Prof. Samir R. Kariya** for the students of 4th Semester CSE/IT Dept.

Socket Programming is used for creating server side and client side programs through which one can make a connection between server and



client either in one - to - one pair or one - to - many pair. The primary aim of this workshop was to make students aware of socket programming using which they will be able to perform



client - server communication, a topic which as per the syllabus they will normally learn when they will be in 6th semester. This kind of initiative

was to make students aware about the advanced concepts from an early stage so they can easily practice during regular academics.

Salient features of this workshop

- 1) What is Client - Server Communication?
- 2) Basic fundamentals of networking like: ports, Ip address etc..
- 3) What is Client?
- 4) What is Server?
- 5) How to write programs for Client side and Server side.
- 6) How to run programs for Client side and Server side.
- 7) Performing communication between client and server and get output.

During workshop students were trained to

- Create Client Side Programs
- Create Server Side Programs
- Run and Make communication between a Client & a Server.

- Prof. Samir Kariya



SCHOLARSHIP

IOCL Merit Cum Mean National Level Scholarship

This scholarship is awarded to bright students for higher studies in India in a government or private college/university. It also covers technical and vocational courses in Industrial Training Institutes/ Industrial Training Centres affiliated with the National Council for Vocational Training (NCVT) of classes at Graduation level.

B.H.Gardi College of Engineering & Technology feels proud to announce that a student of BHGCET is selected for this



IndianOil

prestigious national level Scholarship. Gardi Parivar heartily congratulates her for

this remarkable achievement and wishes her all good luck for her future endeavours.

Ms. Hinal Lunagariya from 2nd sem CSE DEPT. has recently received this scholarship worth Rs. 1,20,000/-



ABOUT THE SCHOLARSHIP

Indian Oil offers 2600 Scholarships for Students of 10+/ITI, Engineering, MBBS & MBA Courses on merit-cum-means basis as under:

Sr.No.	Stream	Duration for which Scholarship will be awarded and minimum duration of course	No. of Scholarships	Qualifying Examination	Minimum Eligibility marks in Qualifying Exam			Scholarship amount per month
					GEN	SC/ST/OBC/Girls	PwDs	
1	10+/ITI	2 years	2000	10th	65%	60%	50%	Rs. 1000
2	Engineering	4 years	300	12th	65%	60%	50%	Rs. 3000
3	MBBS	4 years	200	12th	65%	60%	50%	Rs. 3000
4	MBA	2 years	100	Graduation	65%	60%	50%	Rs. 3000

ABBREVIATIONS: SC: Scheduled Caste, ST: Scheduled Tribe, OBC: Other Backward Class, GEN: General, PwDs: Persons with Disabilities.

ELIGIBILITY: Students pursuing full time/regular courses (not correspondence/distance/online mode) in these streams & studying in Schools / Colleges / Institutions / Universities recognized by MCI / AICTE / State Education Boards / State Govt. / ICSE / ISC / CBSE / Central Govt. / Association of Indian universities, shall be eligible to apply for the different streams as under :

INCOME : Gross Joint income of the family of the student from all sources should not exceed Rs. 1,00,000/- (Rupees One Lakh only) per annum. However, in case of tie, preference will be given to the students whose family income (gross joint income from all sources is upto Rs. 60,000/- (Rs. Sixty thousand only). Income certificate should be got issued by appropriate civil authorities of the State/UTs/Central Government only, details of which have been specified in General Instructions. Any other Affidavit submitted in support of Income Proof shall not be accepted.

AGE LIMIT: Minimum 15 years and maximum 30 years...

Conti... from page 8 Changemakers...

Focusing on Activity Based Learning

Ice-Breaking: 7 to 8 students' group was formed and they were asked to speak their names and one positive characteristic. Initially one student has started and then he/she will throw the ball to another one and it continued.

Going Beyond: The students were asked to line up according

to their birthdays from 1st January to 31st of December without talking. They have used the different strategies in this activity.

Students' Feedback: It was very nice experience to learn by doing various activities. In such activities, we have to brainstorm and we get the chance to apply our mind.

- Prof. Chirag Adatiya (CS Dept.)

GETTING ADEPT

Model Making Competiton

There was an event FLAIR'14 which was held in **Pandit Deendayal Petroleum University** on 23rd march'14. That event includes many competition technical as well as non-technical. There was one competition named **MODEL MAKING COMPETITION**. Our Group of Five students **Prashant Modha, Parin Hemani, Kushal Pandya, Akash Joshi, Ajay Jadeja** from 4th Electrical and also members of **ECO-BUDDY** Club on the behalf of this club participated in that particular event .The whole event was based on Renewable Energy Sources. That Model Making Competition includes three categories Dead Model, Semi-live Model, Live Model. For all three categories there was one criteria Only 15 models will be selected. Our group applied for a Semi-live model category and we were selected for the same. That was great opportunity for us



destroyed annually. The world's half of the population is exposed to indoor air pollution, mainly the result of burning solid fuels for cooking and heating. Our proposed devise can be used in balcony in high rise apartments where there is problem of sunny area with little modification. It is very helpful to tribal & migrant workers to cook instant food anywhere. It is also helpful to traveller because of its flexible design and easy to carry everywhere. Both the groups of our club had performed well and secured 3rd rank in dead model category and 5th rank in semi live model category.

to present our project in PDPU. There were many good projects in our category like power generation from rooftop ventilator, eco-home, solar AC etc. Our project is based on solar energy. Another group of three students **Paras Sampat** from 4th electrical and **Ankit Ramoliya** and **Kinar Patel** from 8th Mechanical of Eco-Buddy club was selected for Dead Model category. They made Heat Pipe Solar Cooker. With the help of this type of cooker we can make chapatis and dosa easily and also we can store the heat which can be used during the night. We made model of parabolic type solar cooker using umbrella and aluminium foil. In this type of shape all the rays of sun are concentrated on one point thus we get higher temperature then the all other shapes. Half of the world burns wood or dry dung to cook their food. Because of that 16 million hectares of forest



GETTING ADEPT

Wonderful Week : Workshop on Fluid Mechanics

Recently, Department of Mechanical Engineering has organized two weeks' ISTE Workshop on **Fluid Mechanics** under the National Mission on Education through ICT (MHRD, Govt. of India) during **20th May-2013 to 30th May-2014**.

The workshop was conducted by many experts. **Prof. Sankar Kumar Som** explained introductory concept of fluid mechanics, kinematics of fluid flow & its tutorial, Reynold's transport theorem and its application. **Prof. Suman Chakraborty** has thrown the light on introductory concept tutorials, kinematics of fluid flow part-II tutorials, dynamics of inviscid flow & its tutorial, dynamics of viscous flow and its application to internal flow with tutorials. **Prof. Sandipan Ghosh Moulic** has thrown his keen insight on fluid statics and fluid elements under rigid body motion with tutorials, dynamics of inviscid flow- application to engineering

devices with tutorial, dynamics of viscous flow and its application to external flow with tutorials. There was a discussion session with Teaching Faculties in the middle slot every day which became interesting for brainstorming and concept clarity. At the end of every session, participants had attempted offline Quiz launched by IIT Kharagpur.

Total 22 candidates from Gardi Vidyapith and from other institutes actively participated in the workshop. In the valedictory function **Prof. Paresh K. Kasundra** (co-ordinator of Workshop) congratulated and gave best wishes to all participants for attending the workshop successfully. Finally he shared vote of thanks and obliged to Prof S.B Jadeja (Executive Director, BHGCET) and Mr. Prashant Mehta (CEO, Gardi Vidyapith) for giving permission to organize this workshop.

Faculties of Mechanical department with the Experts



STUDENTS' ACHIEVEMENT

Research & Innovation:

Gardi Vidyapith congratulates to Mr. Jay Nitinkumar Vyas of 4th Sem ME (CAD/CAM) for his big achievement in the field of research. His Research paper on "Effect of selectable parameters on performance of Meshless Local Petrov Galerkin (MLPG) method" was published in **INTERNATIONAL JOURNAL OF RESEARCH IN AERONAUTICAL AND MECHANICAL ENGINEERING (IJRAME)**, Vol.2, Issue.5, May



2014. **IJRAME** is also indexed in **Standard Search Engines** and **Journal Databases** which are given below.

GOOGLE SCHOLAR, ACADEMIA.EDU, DOAJ, DRJI, SMART VIPER, GOOGLE, YAHOO DIRECTORY, ENTIREWEB, ACTIVE SEARCH RESULTS, AU SEARCH ENGINE, BING, ISEEK, JAYDE SEARCH, JOUR INFORMATICS, SCIENCE CENTRAL, The University of Hong Kong Libraries, ACADEMIC JOURNALS DATABASE, Eye Source International Society of Universal Research in Sciences, International Society for Research Activity (ISRA) Journal Impact Factor (JIF)

OUTCOME BASED EDUCATION

Mechanism Exhibition at Mechanical Engineering Department

The teaching learning process can be reviewed by the mission given to the students, their understanding, completion of the mission, and the Outcome. With the same strategy of Outcome Based Education, an "Exhibition on Mechanism" for Kinematics of Machine was organized at Mechanical Engineering Department on 1st May 2014. All the division of 4th semester Mechanical were participants.

Learning System Characteristics	<ul style="list-style-type: none"> • Outcomes Based
Framework	<ul style="list-style-type: none"> • GTU syllabus • At the starting of term task was assigned to students like to prepare a demonstration of mechanism, C programming or CAD analysis, A case study and presentation • Plan, evaluation & standards were informed • support outcomes, flexible & • Ideas given for proper out come
Time	<ul style="list-style-type: none"> • To perform each task one month was given
Performance standards	<ul style="list-style-type: none"> • Learners potentially able to receive credit for achieving performance standards • Presentation • Depth of knowledge • Real life application • Communication • Esthetic
Learning assessments	<ul style="list-style-type: none"> • Total view learning & achievement • Mistakes inevitable steps in development • Demonstration of high level of performance capabilities



Students had prepared mechanism like Geneva, Steering, Beam engine, Wiper mechanism, Aircraft landing gear, Hacksaw, Mechanical leg, Wiper, Gripper and various Inversion of mechanisms. Prof. A. N. Dave and Prof. A. G. Sharma evaluated the mechanisms.

- Prof. A. N. Dave & Prof. A. G. Sharma

OUTCOME BASED EDUCATION


Innovative Project Fair

The Project fair was organized by Department of Mechanical Engineering on 3rd of May 2014. Final year Students were presented their projects on that day. Mr. Paresh Ardeshta & Mr. Ramesh Tilva from Hi-Tech Transpower Pvt. Ltd. gave their valuable time as industrial expert during this event. They had gone through each and every project. Students were motivated with the due presence of industrial experts, in fact wave of enthusiasm. Prof. S. B. Jadeja, Executive Director of Gardi Vidyapith. inaugurated this function, afterwards it was open for all students, Faculties, industrial personnels, neighboring institutes. Students of 6th semester, 4th semester and 2nd semester are main target audience, with this exercise they had chance to interact with their seniors and accordingly they can plan for their project. Involvement of faculties from Mechanical Engineering Department is appreciable. Faculties were involved to motivate all students to get some technical exposers out of this practice. As per GTU guidelines, three best Projects were selected subsequently and forwarded to GTU innovation council by HOD of Mechanical Engineering Department.

Outcome of the Project Fair

- Technical Exposure provided to 2nd, 4th, 6th semester students
- Motivational Platform Created by BHGCET for Final Semester Mechanical Engineering Students
- 2nd, 4th, 6th semester students guided by Mechanical Engineering Department that they should start brainstorming as early as possible for final year projects to avoid confusions and to do some useful technical work for engineering fertility.

Glimpses of Best Projects

Sr. No.	Projects made by:	Project Title	Photograph of the Project
1	Kava Hardik Agravat Mohit Raval Hitarth	Waste Heat Recovery From Conventional Stove	
2	Kinnar Patel Ankit Ramoliya	Design of Solar Based Space Heating as alternate to CNG/LPG for Air Dryer	
3	Mihir Mendpara Vijay Kumbhani Kalpesh Vataliya	Automatic Gear transmission system by implementation of Arduino based ECU	

FACULTY ACHIEVEMENT

CSE/IT Faculty Achievements



Prof. Nikul Virpariya participated in the Two week **ISTE** workshop on Computer Networking during **5th May 2014 to 9th May 2014** as a workshop co-ordinator. The workshop was conducted by IIT Bombay as a part of **NMEICT** by **MHRD**. **Prof. Nikul Virpariya** is the Remote Center co-ordinator for Computer Networking workshop for Remote Center number 1275 (B H Gardi College of Engg & Tech).

Prof. Rekha Teraiya participated in the Two week **ISTE** workshop on Computer Programming during **21st April 2014 to 26th May 2014** as a workshop co-ordinator. The workshop was conducted by IIT Bombay as a part of **NMEICT** by **MHRD**. **Prof. Rekha Teraiya** is the Remote Center co-ordinator for Computer Programming workshop for Remote Center number 1275.



STUDENTS' ACHIEVEMENT

CSE/IT Student Achievements @ GTU TechFest 2014

On 28th and 29th March, GTU arranged a Technical Festival for Saurashtra Zone and it was held at the VVP Engineering College, Rajkot. In this grand technical festival, more than 2600 students participated in almost 61 technical and non-technical events.

Chirag Khimani, a student from the 8th semester Computer Science Engineering Department won 2nd Prize in an event named CodeJam, which was based on Applications of C where in 1st round there were 250+ participants who tried their best to enter the final and the toughest round consisting of 20 participants.



Chirag experienced that almost everyone is skilled in fundamentals of C, but when and where to use these fundamentals is hardly known to anyone. He feels that nowadays, a computer student must know how these fundamentals are applied in actual practical applications.

Another student, **Krunal Makwana** from 4th Semester of IT Department participated in the Computer Graphics - Picasso event, one of the creative events organised by GTU. Total 153 participants from different colleges of Saurashtra participated & out of them 55 students were selected for the Documentary Making and Krunal grabbed 2nd Rank because of his mesmerising theme of 'Texture Photography'.



B H Gardi College congratulates both of these students for their grand success in the GTU Techfest 2014.

Whispers

- 1) If 5 seconds of smiling can make a photograph more beautiful.
Then imagine if you always keep smiling how beautiful your life will be...
- 2) It's not important to have a long list of friends on Facebook.
Rather it's important to have at least one friend who can read your 'face' as a 'book'.
- 3) Live like a camera - focus on what is important, capture the good times, develop from negatives and if nothing seems to be clear just take another shot.
- 4) Success is not the key to happiness. Happiness is the key to success.
If you love what you are doing, you will be successful.
- 5) Be happy not because everything is good,
But because you can see the good side of everything.
- 6) Erasers are made for those who are willing to correct their mistakes.
- 7) Never try to defeat anyone;
always try to win everyone.
- 8) Inspect and learn from your past,
rectify your present,
Improvise and adorn your future!
- 9) In every situation;
Do your best;
Then accept, don't expect.
- 10) Live to Awaken, not merely to learn!

- Prof. Jignesh Shah (Department of Civil Engineering)

Recently **Mr. Jayendra Pandya**, a student of Kum M.H. Gardi School of Management, has cleared UPSC preliminary exam with 23th rank in Gujarat and 67th rank in India @ SPIPA. Gardi family congratulates him for his achievement at dawn of his career.

