



THE Gardi TIMES

time to step ahead...

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DREAM COMES TRUE

@ National Robocon - 2014 (6th-8th March 2014)

At the National Robocon- 2014, organized at MIT, Pune, among the top 10 teams, two were from GTU Colleges. At rank 8 was placed the team

from L.D. College of Engineering, Ahmedabad and at rank 10 was the team from B. H. Gardi College of Engineering & Technology, Rajkot.

Congratulations to both the teams.

Let us hope our teams will work to be at a better position next year.

Conti... page 4

"Team ROBOCON came out with flying colors from MIT-Pune and conquering the host itself, stood 13th on in the standings".

"It was a remarkable achievement to reach in the Super League and to compete with the top level institutes of India as it equipped us with a cluster of experience, skill and knowledge".



After the historical achievement in Robocon-14, the ardent team of Gardi Vidyapith has already set out on a quest for Robocon-2015.

"An inspired team, with a passionate dream".

The will to win, the desire to succeed, the urge to reach their full potential... these were the keys that unlocked the door to personal excellence.

GETTING ADEPT

4 Days Workshop on "Asp.Net"

Department of MCA, B. H. Gardi College of Engineering & Technology had arranged a four days workshop on "Asp.Net" Technology from 31st Dec 2013 to 3rd Jan 2014 for the students of MCA 4th semester. Prof. Milan Kadivar and Prof. Ajay Ardeshana had been the experts of the workshop.

The first two days of the workshop had been taken by Prof. Ajay Ardeshana and he had elaborated topics such as Creating a Website in ASP .NET, introduction to .Net Framework, Visual Studio IDE introduction, Various Basic Controls, CSS and THEME design, Validations, introduction to SQL Server 2008, creating and connecting database and many more.

The students were given lab exercise on the basis of the topics covered during workshop such as creating EMS (Employee Management System), Registration, Login Page, creating Database of EMS, Modifying details by Grid view Control etc.

The next two days of workshop had been conducted by Prof. Milan Kadivar and he had deliberated upon the issues such as How to create console and Windows based applications in asp.net. and various topics such as basic programming, creating class and DLL file, various controls, how to create setup file and install your project. Further, the topics

A few feedbacks of the students:

"By attending this workshop we have got tremendous extra knowledge about .NET applications, ASP .NET Website, Socket programming and learned many new concepts."

such as setting automatic colors for all controls, introduction to ADO.Net, creating database and implementing Insert, Update, Delete in windows application. Interesting topics of sending SMS through ones application etc. were also discussed. In last few minutes the demonstration of a Project to On/Off Electrical Device by Application using



parallel port was undertaken.

In the lab sessions, various activities such as Console Applications to create .dll and class files, Windows application including forms, various controls and setting various properties of these controls. The students were assigned to develop a program to On/Off LED light, SMS sending, Student Management System and Medicine Management System.

Total 50 students participated in the workshop who found it beneficial and useful. All students had successfully submitted all the Assigned Practice Exercises and were awarded with the certificates.

2-Days of C Programming Workshop (Interview Based Learning Approach)

@ Gardi Vidyapith, CAMPUS - HOLI Celebration with pleasing colors.

Gardi Vidyapith has always kept the goal of caring about its duties and responsibilities above all the festivals and holidays. And this goal can't be achieved without the help of our dedicated faculties and dynamic and enthusiastic students. To add a feather to the cap the C Programming workshop was organized by the CSE/IT Dept of BHGCET on 15th & 16th March 2014.

To move further towards the accomplishment of the goal, 43 students of 6th Semester CSE/IT Dept were playing with the techniques of C Language in the workshop conducted by the a Gardi Vidyapith alumina **Ms. Dipali Vasani** exactly one day before Dhuleti. Ms. Dipali is working as a Software Engineer at an IT company named Infostretch Solutions Pvt. Ltd.; a company having an Offshore Development Center at Ahmedabad and Corporate Headquarters at Santa Clara, CA, USA.

The workshop was based on a theme of "Interview based learning approach". So it can be said that it was comprehensively job oriented workshop. Almost 43 participants took advantage of interacting

Day 1 Contents:

1. "What & why" of C language?
2. Comparison with JAVA
3. C environment
4. Data types
5. Type conversion
6. Dynamic memory Allocation
7. Array
8. Operator
9. Decision Making statement
10. Looping statement
11. Pointer

Day 2 Contents:

1. Functions
2. Structure
3. File Management
4. Command line arguments
5. Basic interview tips



with a scholar alumna and knowing her industrial experience. The students were also given hands-on practices with various C programs on tool called C free.

Expected Outcome:

1. Creating good bonding between alumni and current students.
2. Inspiring students to perform better in interviews.
3. The students can find themselves confident during technical interviews by applying various tips shared by the expert.

- Prof. Kunjal Garala

GETTING ADEPT

Space Shuttle Launching Pad

The project of 'Space Shuttle Launching Pad' had been successfully presented in the Astro Youth Fiesta'14 at race course ground by the students of 4th sem. Civil Engineering. Project received an overwhelming response. During those 4-days of AYF'14, more than four lakh visitors had seen the working model of Space Shuttle. The visitors had shown their keen interest and curiosity while watching the working of the model and gave pleasant feedbacks. The Space Shuttle Model was launched more than 1200 times during those 4-days. The model became talk of the town.

The working model showed the process of launching before 10 seconds (its countdown) and also showed the process done after 20 seconds of launching the Space Shuttle. The Space Shuttle was a Low Earth Orbital Space Craft with crew. The mission of the space shuttle launching operation was to conduct a science experiment in orbit and inter planetary probe by using Hubble Space

Telescope (HST). The launching pad was used to launch the space craft with the help of two rocket busters. There were three basic components of the Space Center Launch Complex:

- 1) The Fixed (at center) and Rotating (at left) service structures.
- 2) The Mobile Launching Platform moved by crawler transporter to the pad.
- 3) The Vehicle Assembly Building three miles away from the launching pad.

This model emphatically elaborated the technical information such as steel structure design of launching pad, thrust acting on the platform at the time of launching, weight and dimension of structure, detail of space craft, rocket busters and fuel tank and so on.

The project was prepared under the guidance of Prof. Jignesh Shah. The entire team of students had put in the great effort to accomplish this project successfully. The tireless and enthusiastic team members of this project were:



Akshya Koshiya, Rakesh Trapasiya, Jaiveen Radhanpara, Vikas Raval, Harsh Somaiya, Piyush Garnara, Abhishek Ponkiya, Rushi Ahya, Ruchit, Chirag and Jaydeep.

- Prof. Jignesh Shah
Project coordinator, Dept. of Civil Engineering

ENGAGING LEARNERS

Tata Crucible: The Campus Quiz 2014

A Business Quiz was organized by Tata Crucible on 8th March 2014 in the Campus of Indian Institute of Management - Ahmedabad. It was one of the best ways for the students to represent their skills they inculcate at Gardi Vidyapith. Krunal Makwana and his team mate Viraj Padsala from 6th Semester IT Dept grabbed this opportunity as they had been advised by the Training and Placement Officers of Gardi that, "If opportunity doesn't knock, then build a door". The main aim was to

get connected with TCS for a Placement Drive.

The quiz was really tough as expected, and if one would aim to crack this Quiz then he must possess the knowledge of current business affairs, general knowledge, knowledge of organizations, etc...

Students' Experience: Chaos can even happen in an event organized at this level, like, No registration representatives, Lack of sitting arrangements, etc. But apart all those small issues the questions at the

quiz were really mind-opening and needed much knowledge on "Present time Business Scenarios."

Students' Suggestions: The mock events, practicing on more quizzes could have helped them in solving out at-least the 1st round of this type of events. The students must have an in-depth knowledge of live market requirements and latest technical know-how.

- Krunal Makawana (6th IT)

- Viraj Padsala (6th IT)



**Never play with the feeling of others,
Because you may win the game but
You will surely lose the person for lifetime...
Love everyone and help everyone...**

- Vijaykumar Pancholi (Hostel Chief Rector)



Conti... from page 1 Robocon-2014...

Talking about Robocon, all it started in 2012 with a dream of participating in a national level occurrence and to compete with different institutes for improving ourselves and learn many practical aspects from that event. In Robocon



2012, it was like a seed sown when Gardi

Vidyapith participated in it. We also took part in Robocon 2013 and realized that still we had to improvise ourselves to reach our dream. Finally the time came for what all were enthusiastically waiting for. Gardi Vidyapith participated in Robocon

2014 with a team of 17 members under the suitable guidance of faculty members and 2 mentors.

The teams had to prepare robots, perform the different assigned task and thus



compete with different teams. The game field was divided into two zones for two teams to play at a time.

TASK-1 SEE-SAW

The parent robot had to carry a pre



loaded child robot from the start zone to a see-saw where it is to be placed. After placing the child robot, the parent robot runs to the other side of the see saw and plays for two continue laps and reloads the child robot upon itself.

POINTS ON COMPLETION: 10

After the task 1, the team has a choice to

laps will be considered complete only when the swing touches the flag kept at some fixed distance.

POINTS ON COMPLETION: 50

TASK-3 POLE WALK

The parent robot f places the child robot



on the first disc. The child robot moves from one disc to another without skipping any disc till it reaches the last one.

POINTS ON COMPLETION: 20

TASK-4 THE JUNGLE GYM

The parent robot places the child robot on the first step, the child robot has to climb the remaining steps and have to reach the platform without touching the side railings. The team that first grabs the

SHABAASH!!! flag, wins.



The preparation of the same was not at all a cake walk. The wheels started rolling weeks ago and tremendous hard work without considering time as a constraint was a vital requirement from the team.

NATIONAL ROBOCON 2014

6-8 March 2014

League Matches - Scores (qualified as super league teams)

S. No.	Super League Team No.	League Team No.	Name of College	Total Score	Achievement of Shaikas/TEST TIME
1	SL-1	EB3	WIRMA UNIV AHMEDABAD	310	2/2:39
2	SL-2	NA1	FES Modern College of Eng. (FES/MCOE) PUNE	290	
3	SL-3	W2	Veerwate (Jssm) Tech (Inst. (VTD) MUMBAI	228	
4	SL-4	C2	Bhartiya Vidyya Bhawan's Saritika Patel Inst. Of Tech. (BVSPTI) MUMBAI	188	
5	SL-5	H2	IIT DELHI	178	
6	SL-6	G2	IIT ROORKEE	156	
7	SL-7	AA3	Muffakham Jan College of Eng. (MCOE), HYDERABAD	150	
8	SL-8	B2	LD COE Ahmednagar	140	
9	SL-9	J2	IIT KANPUR	140	
10	SL-10	R2	B.H.GARDHARANOT	140	
11	SL-11	Z2	Kharathwade Miba Kharwad's Inst. Of Tech. (KMITT) PUNE	126	
12	SL-12	LI	PCT PUNE	122	
13	SL-13	YL	U V Patel College of Eng. (UVP/COE) MEHSANA	120	
14	SL-14	EL	COEP, Pune	116	
15	SL-15	CL	MIT PUNE	106	

attempt either the swing task or the pole walk task. Our team went for the swing task.

TASK-2 SWING

The parent robot the child robot on the swing and pushes the child robot for one lap, the other two laps are to be completed without any external aid. The



Conti... from page 4 Robocon-2014...

After stretched efforts, the robots were ready to perform the tasks but unfortunately, due to some technical shortcomings, the robots were not prepared to compete and thus were like "White Elephants" for the team. The team was in a colossal dilemma and needed some rapid verdict reGarding the participation. The attitude and state of mind of entire team was extraordinary and thus they decided to prepare a new set of robots, considering the tasks to be performed.

Finally the robots were ready and it was the time for team to get pleasure from

as a strong gust of wind. The rounds started and it was a finger crossing situation in almost all the surroundings. Among the 89 teams, top 15 were to



programming, mechanical design and electronic circuit design. And our students proved themselves by competing with national level institutes and attain a cherished place on the table. We stood at 13th place out of 89 remarkable institutes like IIT-Roorkee, IIT-Madras, IIT-Kanpur, IIT-Delhi, BITS-Goa, SRM University-Pune, VJTI-Mumbai, Nirma Institute of Technology-Ahmedabad, L.D College of Engineering-Ahmedabad and many many more.

It is said, **"Being with a winner, makes you a winner"** and the same, was the case with us. At the end of day, it was a fascinating experience which boosted our

proceed further in the Super League matches. And finally after additional solid work, our team stood at 10th place in the top 15 leaving many IIT's and NIT's behind and was advanced to the Super League.

It was a captivating moment for the entire team and even to see the robots performing tasks in a given manner, was a

(Reference Link:
<http://www.roboconindia.com/result/Leauge%20matches%20ALL%20SCORES.pdf>)

very high-quality experience and it forced us to visualize the future of our country as well as the world. It was a remarkable achievement to reach in the Super League and to compete with the top level institutes of India as it equipped us with cluster of experience, skill and knowledge. It was a divine feeling which could not be expressed in words but could just be felt by the team members.



the harvest of what had been sown years ago. The competition was organized at Balewadi Stadium of Pune under the hosting of MIT-AOE (Maharashtra Institute of Technology Academy of Engineering). Our team reached the venue with full enthusiasm and started practicing before the event. On analyzing the track and field, they came around many critical situations where they had to change the dimensions of the robot. At that time, they followed the backup plans and strategies which they had primed before. In the stadium, the promptness of spectators as well as the swarm of participants could be easily felt



confidence as well as gave us a grand opportunity to interact with many super talented engineers and became a hub for experience sharing.

This event explained us the importance of interdisciplinary approach as well as improved the skills like manufacturing, designing, team management and financial management. It aided us to apply our theoretical knowledge in practicals. We wish to participate in Robocon-15 as well as many other superior events and tech fests and attain a different level of achievement.

To build the robots, contestants, who are restricted to be undergraduate students, must possess rich knowledge in

- Nawaz Ghodi (6th Mech.)

RELISH & CHERISH

Balashram: Rediscovering Childhood with Rekindling Smiles

Just to prove that the above statement is incorrect or to flush out the same from the orphanage children, the boys of Gardi Hostel stepped forward on the track of humanity by visiting the noble land of "BALASHRAM" on 2nd March, 2014. The meeting and the interaction was such that the children didn't hesitate a bit to meet these newcomers or rather they felt as if they met their brothers. The entrance of host élites was a moment when their hearts shrank and the glory of happiness emerged from their soul.

No corners were left to be visited by the boys as they initiated with born babies to the college boys. By the shocked atmosphere; i.e. without a barrier of caste and religion just created an attraction between both the hands for an applause.



The crux was the cleanliness and the discipline. The visit just created the unforgettable statement. "EVERY CHILD DESERVES A CHANCE IN THE GOD'S GIFT : THE LIFE" But the children just lived for the sake of living, as they were ruled. The adjustment without complaints with addition of friendly atmosphere was blindly followed by them.

Gardi boys had snacks together with them as they snatched the hurt heart for a while and gifted the feeling of brotherhood.

"WHEN THERE IS NO LOVE FOR A CHILD TO REMEMBER, THEN THERE IS NOTHING FOR A CHILD TO REMEMBER EXCEPT HATE."

Addition to that, the token of love, respect and as lovely gift was offered to them.

So, the family brothers had a great conversation along with the daily life schedule and just lifted the children mind on to the noble land of their successful life.

At the time of leaving, there were tears as the snatched heart was returned back and something was continuously striking one boy's mind.



"OHH... GOD, why this cruel life for them?"

"Is modern culture, society or parents responsible for this?"

But the output for these questions was an error. The main part was that even the tag of orphan was labeled on the head of the children even still they are not born.... what is their fault? The only solution can be determination, self-confidence-faith in-self, which can decline even the imagination of orphanage. The curse was flowing for the parents who followed this heartless deed in the life. After sharing some moments with the principal sir, the following words flowed from his mouth.

"ORPHANAGE IS THE POETRY OF SILENCE, THE WORDS QUITE NEVER EQUAL THE EXPERIENCE BEHIND THEM.."

- Jay K. Wadhvani (2nd Mech.)

STUDENTS' ACHIEVEMENT

Talented Pearls of CSE/IT Department

Gardi Vidyapith and the Department of Electronics and Communication feels proud to announce that



Mr. Chintan Chapla, a student of Master of Engineering has secured 1st rank in the Final Examinations of 3rd semester conducted by GTU. He obtained 10 SPI which is highest one. On behalf of Gardi Vidyapith, EC department congratulates him for such sparkling and outstanding success and wishes best luck for the future.

Mr. Chintan Chapla shared his words on his success: "I believe that one needed to have deep and through understanding of

interested area. Keep always faith in yourself and never let yourself down. Be consistence because there is no short cut to the success. What I believe is that our college is doing fair bit of job towards the student motivation."

'LIC Golden Jubilee Scholarship' For Students Belonging To The Economically Weaker Families For Pursuing Higher Studies



The scholarship is to be awarded for studies in India in a government or private college/university. It will also cover technical and vocational courses in Industrial Training Institutes/ Industrial

Training Centers 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 3 students of BHGCET have been selected for LIC Golden Jubilee Scholarship. Gardi family heartily congratulates all these students for this remarkable achievement and wishes them all good luck for their future endeavors.

Ms. Radhika Kalavadiya has recently received this scholarship worth Rs. 40,000 along with other two students **Ms. Heena Jethva** & **Ms. Anjali Vadaliya** who also have previously received this scholarship.

MONEY MATTERS

3.5 out of 5 Marks to Interim Budget in Budget Session organized by Gardi Vidyapith

"A Budget is telling where your money should go instead of wondering where it went."

It is very important for all of us in this cut throat competitive world and it is wise to identify our prospective income and expected spending. For every country, it is very important to balance their revenue and expenditure so finance minister presents it every year and it is very important for youth to understand government's mood towards their spending and planning.

To spread the information of Budget in the Gardi Vidyapith, Kum. M.H.Gardi School of Management had planned an analytical session on Interim Budget from Management and Engineering prospective on 14 -03 - 2014 between 10:15 a.m. to 12:00 noon.

About 250 students, 10 faculties had attended the session. The idea of arranging the session was given by Dr. Vishal Khasgiwala, director of M. H. Gardi School of Management and Session Plan had been executed by Assi. Prof. Keyur Popat, finance faculty of M.H.G.S.M.

Mr. Killol Karia, BE & MBA, Branch Manager, H.D.F.C. Mutual Fund, had been invited as an expert who addressed and injected the flavor of budget to Engineers and Management Graduates. His qualification is the perfect blend of an engineer and a management graduate. Simultaneously, MHGSM had organized Collage Making Competition - 2014, where more than 30 Collages had been received on the theme of "Budget".

Initially the session was commenced by Assi. Prof. Keyur Popat who introduced



the meaning of budget, who present the budget. In his own momentum, he presented income tax slabs for the year and later every student had calculated their dream income and his tax liabilities from individual or for their dream company.

Further Mr. Killol Karia had highlighted what is Vote on Account and Interim Budget. He specified 2% reduction in excise duty and its impact on automobile industry. Further, he explained about P. Chidambaram's ideas about banking sector and reforms suggested to governor. He explained the likely effect of budget on Manufacturing, IT and Automobiles Sectors.

Major Highlights

- Manufacturing Growth Rate 16 % and likely to be 25% in 2020.
- GDP Growth Rate 4.8%
- Education Sector plays important role in making GDP growth into double digit.
- Japan has lowest inflation rate and prices are more stable.
- No inflation and high inflation harms countries growth.
- 2% to 6% reduction in Excise duty on in different automobiles.
- Petrol prices increases helps in reducing fiscal deficit of the country.
- India can be super power in 2022 if emphasize on promoting higher education.

The current fiscal deficit measured 4.2 % and GDP growth 4.8% and manufacturing growth 16% and he urged students to participate in the growth of country as to be manufacturing growth 25% in the year 2020. He tried to make the language as simple as student can understand the Jargons of economics.

Mr. D. V. Mehta Sir, Chairman of Gardi Vidyapith and a student of economics, too had briefly addressed and urged the students to involve in productive activity



and to participate in the progress of the country.

In Collage Making Competition Mohit Domadiya, Shayam, Bechara and Dhokiya Sanju, students of Electrical Dept. of B. H. Gardi School of Engineering had secured 1st Rank and 2nd Prize awarded to Nikita Vyas, Mungla Payal and Seeba Singh, students of Civil Dept of B. H. Gardi School of Engineering and 3rd Prize had been secured by Bhoomi Katheriya, Vidhi Desai and Dhara Suvagiya, students of MBA of M.H.G.S.M. All winners' prizes had been awarded by Shri. D. V. Mehta Sir.

Last but not the least, Jignasha, a student of MBA Sem - 2 had given vote of thanks for Technical and Management student for demonstrating their keen interest on such a topic "Union Interim Budget".

Arjun, Ruchi, Prasant and dharti, students of MBA Sem - 2, had done beautiful anchoring for the session and Usha, Dakhsa, Mehul, Sachin, Alpesh, Nishit, Nirali, Kajol, Dakha, Darshna, students of MBA Sem - 2 had rolled out the session very smoothly by performing in various committees as if it is gathering registration or maintaining discipline. Assi. Prof. Nilesh sir, Assi. Prof. Samir Sir, Assi. Prof. Jay Sir, Assi. Prof. Khusbu Madam had played very important role in making the session more informative.

Shri D. V. Mehta Sir, Mr. Prasant Mehta Sir, CEO of Gardi Vidyapith, Prof. S.B. Jadeja Sir, Principal of Gardi Vidyapith and other HOD had appreciated the efforts of Kum. M.H. Gardi School of Management for organizing such a very interesting session.



WOMEN'S DAY

Empowering Women: OBE and Voting Awareness



Expanding the learning opportunities by promoting the skills necessary to enhance overall educational and economic competitiveness.



Permanent Collaborations: Ms. Vandana Patadiya, Ms. Hemal Dave, Ms. Mamta Shah, Ms. Bhagwati Gehani
Voting awareness by Shweta, Prachi, Arzoo, Kinjal and finally by Ila ma'm.



Confidence Augmented as said by **Mona Sata**, "Initially in the first round I was not confident but now, after coming on the stage for 4-5 times, my confidence has elevated."



Beauty with intelligence: The third round showered a series of challenging questions at the contestants. They were supposed to answer them on the spot, consequently enhancing their confidence and gear up to face the complexities of life.





Encouraged with perfection: Vrunda Rajpara, 4th EC asserted that Sujata ma'm is my favourite and ideal teacher. I want to be like her. I also want to be a perfect professor.

Maximum participation for the first time... along with the dance, cooking competition Ek minute Game and Fashion Show with creative spark and intellectual questions were the highlights.

Creative Spark: All the participants flaunted themselves with one or the other technical tool or gadgets .Alarmingly, these were superbly matching with their costumes.

Excellence appreciated: Ms. Ila Mamlatdar applauded and expressed her keen desire to collaborate with Gardi Vidyapith.

Dream come true in the words of **Zarna Savaliya**, "I wanted to be a model but my parents' dream for me is to be an engineer. Today I have fulfilled my dream. Now I will focus on my parent's dream."



Ceaselessly Contributing Co-ordinators: Ms.Khyati Vaghasiya, Ms.Rekha Tariya, Ms.Kunjali Garala, Ms.Riddhi Pandya, Ms.Chandni Soneji, Ms.Payal Javiya, Ms.Dhara Zinjuvadiya, Ms.Anjali Dave, Ms.Dhanvanti Abhichandani , Ms.Sujata Wadhwa.



MOBILE MANIA

Inauguration of Mobile & Wireless Technologies Club (MWTC) and Hackathon Event

Gardi Vidyapith encourages and inspires number of activities to help the student community to grow harmoniously. Continuing the tradition, Gardi Vidyapith witnessed a grand inauguration of MWTC on 10th March, 2014. The chief aim of MWTC is to provide exposure for emerging cutting edge technologies of mobile application development, adequate training & opportunities to work in a team or individual on multi disciplinary projects. It also inspires to work for the betterment of the society and the education.

In the inauguration ceremony, dignitaries present were. Shri D. V. Mehta (The Chairman of Gardi Vidyapith), Prof. S. B. Jadeja (Executive Director), Prof. V. A. Gandhi (Head of MCA Department), Prof. Yatin Shukla (Head of CSE/IT Department), Mr. Nandan Goda (the Owner of GTech, Rajkot), Mr. Nayan Bagiya (Director of Skyweb Tech) and Mr. Ashwin Borad. It is interesting to note that on the same day, the event Hackathon of

8 hours was planned for the selection of the student coordinator of MWTC from the entire college. Professor Milan Vachhani, the over all coordinator announced MWTC Club Committee members Hackathon event was judged by Mr. Tejas Jasani (CEO of The AppGuruz, Rajkot). Mr. Tejas Jasani and his team declared the result and Mr. Mrugesh Tank won the Hackthon and became the main Student Coordinator of MWTC, Gardi Vidyapith. More than 120 students joined the MWTC Club. The students mentioned that they expect from the department to conduct more such Hackathon type of events in future. The students were



optimistic that outcome will help them in future for making final year projects. Entire workshop was efficiently carried out by the faculty coordinators Prof. Milan Vachhani and executive committee member Prof. Prashant Mehta. The workshop offered hands on experience to all the students.

- Pulkit Vora (MCA 4th Semester)



TOWARDS THE GOAL

Delicious Discourse Expert Talk on "Product Design at Industry"

An expert talk was organized by Department of Mechanical Engineering on "Product Design at Industry" conducted by Mr. Bhagvanji M. Sonagra, Research & Design Head at



UDLAB, Design consultant for National Institute of Design(NID). Mr. Sonagra has completed his Post Graduation as a Master in Product Design from Convent University and has worked with many MNCs at the initial phase of his career. This expert session was attended by 68 students. Mr. Sonagra had discussed on various issues such as product design, the process of product design in industries, scope & application, international design, world and values, lateral thinking practice, design & creativity, product design vs. machine design etc. He had also shared some



industrial case studies and offered solutions by UDLAB project. He emphasized on real exposure of aesthetic aspects and creative design for a new product design at industry.

- Prof. M. B. Vaghela

"Mock Interview - An Icebreaker"

A round of mock interview was scheduled by the Department of Electrical Engineering for the final year students to evaluate and enhance their technical skills and as an icebreaker for the proposed placement drive. The prior aim of conducting this interview was to provide live environment to the students by asking professional questions, covering from different areas



of the subject. Moreover, it is an opportunity to evaluate the students interpersonal and communication skills and to get a "feel" for their personality. The interviews were also used to assess their vocation as indicated on the resume and relevant technical skills. After completion of the interview process, the students were asked for their feedbacks. All the students gave their fair and honest feedbacks. One thing that was common that, it acted as a booster their level of confidence to face the real situation. After students' feedback, members of the interview panel gave their remarks, tips and suggestions like, "The verbal communication is a small percentage of effective communication, so be aware of what is "not being said"...voice intonation



or body language can reveal much information about a person".

At last Prof. Amit Ved presented evaluation of each student along with the area where the students are lagging or leading with the suggestion and guideline for the further improvement. It was indeed a fruitful exercise to ameliorate the abilities and realize their hidden potential.

- Prof. Anish Vora

SELF EXPLORATION

Five Fruitful Sessions on the Value Education

Five sessions were taken for the final year students of EC Department during 1st and 2nd week of January 2014.

The objectives of these sessions were to discuss fundamental aspects dealing with human life and happiness. It is necessary to explore our own self and our expanse of living in order to better understand our life. So, we can understand what is valuable for us, what is our 'value' in the larger scheme of things we live in.

Understanding our 'value' means

understanding what our participation, our role is, with other humans, animals, plants etc. We live in human society, in nature and we need to find out our role in this expanse.

We ultimately want happiness, prosperity and its continuity at all four levels, namely Myself, Family, Society and Nature/Existence. Understanding of human values are presented as proposals and students need to verify these proposals through self exploration. Process of self exploration involves two steps: 1) Verification of proposal on the

basis of natural acceptance and 2) Experiential validation by living according to it.

Content of self-exploration includes what is my basic aspiration and what is the process to fulfill this basic aspiration. Continuous happiness and prosperity are our basic aspirations and it is explored during the sessions.

Expected Outcome: Students can start to explore within self and the process of self exploration will enable students to be harmony within and in harmony with others too.

ART OF TECH

Tachometric Contour Survey Project

Department of Civil Engineering had arranged one day field survey project for 4th sem. Civil Engineering students on 12th March '14. Total 55 students participated in this field survey project. The project was arranged as an additional part beyond the academic syllabus and the objective is to bridge the gap between field requirement and academy.

The project carried out on hilly area near Nagarpaliya village, Kalawad road. Various instruments used like Theodolite, Leveling staff, Tripod stand, Prismatic compass, ranging rods, measure tape etc. Readings were recorded in field

books. Contour sheet will be drawn in the lab that will represent the topographic plan of entire hilly area. Students took part with great enthusiasm and worked hard in the field for the entire day.



Students wear shoes, cap, spectacles

and carried water bottles, lunch box and camera with them. They snapped so many photographs and enjoyed tachometry field work like picnic.

Prof. Vimal Patel, Prof. Jignesh Shah, Prof. Mehul Chavda and Lab assistant Dhaval Chavda joined with the students and guided them.

- Prof Jignesh Shah (Coordinator Department of Civil Engineering)



GETTING ADEPT

Expert Talk on "Automation System" at Mechanical Engineering Department

To provide practical and in depth knowledge and of the subject, the Department of Mechanical Engineering had organized an Expert Talk on "Automation" for the students of 2nd semester on 7th March, 2014. More than 60 students actively attended this expert session which was conducted by Prof. P.A. Patel, Head of Mechanical Department, Marwadi Education. In the beginning of session sir explained automation and provided the knowledge of production system & service system. He also elaborated Fixed, Programmable & Flexible Production System & Working of Automation in manufacturing Process etc. Moreover, he guided students about Working of Accumulators & Actuators along with help of an interesting video. It was wonderful and enriching experience



for the students who understood the concept and queries about the automation system and obtained the knowledge of recent trends in the field of

technology.

- Asst Prof. Meghavi Parmar, Asst. Prof. Vijay Makwana (Mechanical Engineering Department)

GETTING ADEPT

Expert Session on Distributed Computing and Applications

CSE/IT Department of BHGCET organized an expert session on 8th March 2014 on the subject of Distributed Computing and Applications (DCA) which is being taught in the second semester of Master of Engineering Prof. **B. V. Buddhadev** Principal, S. S. Shah Engineering College Bhavnagar was the key speaker of this session. The primary aim of this session was to share in depth technical knowledge related to the DCA subject among the students pursuing post graduation in Computers field (Master of Engineering in CE & CSE). In

this knowledge enriching session, 16 students of second semester, Master of Engineering participated. The lectures of the session were basically focused on CORBA, Remote Method Invocation (RMI), Remote Procedure Call (RPC), Object Serialization, etc.

The Following Topics were covered:

- Distributed Objects and Middleware
- Remote Method Invocation
- CORBA
- Internet - Inter ORB Protocol
- Message Oriented Middleware



- Object Serialization
- Object Persistence

- Assit. Prof. Prashant Mehta
(CSE/IT Dept.)

3 Days Hands-On Workshop on "RTOS Concepts and Realization Through Application Programming"

Today's industries are based on Embedded Systems and Automation is commonly using enhanced featured microcontrollers to handle Real-time events to meet the timing requirements. These embedded systems need Real Time Operating System software to be implemented to respond to real-time events. As the student of 7th Semester, EC has learnt "Embedded Systems" as a subject in their academic curriculum during semester, it is necessary for them to learn the practical aspects of this subject. "Real Time Operating Systems-RTOS" is a fundamental part of most of the embedded systems available in market now days. So it is necessary for them not only to understand fundamentals of RTOS, but also to understand its concept realization, practical application and implementation. By considering these factors 3-days hands-on workshop on "RTOS Concepts and Realization through Application Programming" has been

organized by EC department of B.H. Gardi college of Engineering and Technology and conducted by Prof. Shveta Pandya and Prof. Ashish Mehta from 10th to 12th October, 2013. Total forty students have participated in the workshop and completed given tasks to realize RTOS concepts. As students of 7th semester, EC has gone through extensive C programming practice and workshop on 8051 and AVR microcontroller in the beginning of the semester, students were



found compatible to work with ARM platform on RTOS concepts. Students were found to have an impulse interest to work on RTOS. This workshop along with the laboratory sessions and prior workshops for the subject are helping students of EC department to crack interviews and being selected in training of reputed industries. The entire workshop has covered the following topics including the Demo of practical



application.

Hands-on Tasks Performed:

1. Multitasking application two different tasks of LEDs and priority realization.
2. Shared Data Problem realization by making global variable as a shared data in Multitasking program.
3. Timing Calculation of two different tasks and realization of time
4. Realization of Pre-emption on LED multitasking
5. Realization of Pre-emption on LCD multitasking - One task to print incrementing Number and second task to pre-empt the incrementing number task and prints "STOP" for one second.
6. Realization of Shared Resource Problem in LCD multitasking
7. Semaphore as a shared resource problem solution of previous programs



GETTING ADEPT

Inauguration of 'KSC Corner'

The department of Civil Engineering has developed 'KSC Corner' as a part of KSC Program to enhance KSC (i.e. Knowledge Sharing Center) activities run by our B. H. Gardi College of Engineering and Technology.

'KSC Corner' was inaugurated by our



Chairman Shri D. V. Mehta and his son Shri Jay Mehta on 25th February, 2014 during IM'14. Who expressed their deep concern and admired the work.

'KSC Corner' is a platform to display various models of civil structures such as 1) Eiffel Tower 2) Industrial Building 3) Overhead Water Tank 4) Residential Building 5) Flyover Bridge. The various practical activities were carried out for KSC students by using the models.

The aim is to give clarity and to inculcate the awareness amongst the 11th and 12th Std. students regarding civil engineering branch.

'KSC Corner' has been and will always be



open for all. The KSC team and all department Head, faculties and the students are invited to visit 'KSC Corner' set up at MOS Lab, Mechanical building ground floor.

- Prof. Jignesh Shah (Coordinator KSC, Department of Civil Engineering)

GETTING ADEPT

Workshop on Relay Logic & Basics of PLC

A Workshop on "RELAY LOGIC & BASICS OF PLC" was organized by the Department of Electrical Engineering of B. H. Gardi College of Engineering & Technology, Rajkot from 10th March to 14th March 2014 for the students of 4th semester Electrical Engineering. Asst. prof. Asmi Ghodasara conducted the workshop to enhance the ability of students in PLC (Programmable Logic Controller) programming as well as to develop the logic of the students so that they can compete in the industrial environment.

Relay Logic is a method of controlling industrial electronic circuits by using relays and contacts. Relay logic programs were taught in familiar language of PLC called ladder diagram and then they performed it on relay panel. During the workshop topics like working of relay, timers and motor control were covered. Students learned practical applications of train signal controlling, motor control, dual starter, traffic light control.

The first day of the workshop was about to cover and clarify basic concepts of Relay. On the next day wiring on relay logic panel and other related topics were discussed.

3rd and 4th day students were given practical problems which they had to solve by themselves. On the last day, the students performed the same programs in PLC simulator. Through the workshop,

students gained a very good practical knowledge on developing industrial applications.

- Asmi Ghodasara (EE Dept.)

BE WITH US

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**"WONDERWORKING ENGINEERS
Ameliorating and Making the Pupils Adept"**

FACULTY ACHIEVEMENT

Participation in Workshop at IIT Kharagpur on Fluid Mechanics

Gardi Vidyapith always encourages and supports students as well as faculties to aspire knowledge and skills for the self development. Recently, Prof. Paresh Kasundra of Mechanical Engineering Department participated in one week workshop on Fluid Mechanics at IIT Kharagpur from 11th March to 15th March, 2014.



faculties from all states across the country, registered for this workshop. During the workshop some of the important points were covered like graded coverage from simple to difficult levels for each topic and subtopic, Laboratory environment, how to conduct experiments, use of learning management system, audio-visual equipment, editing tools etc.

It was an enriching experience to learn from distinguish scholars and to go into the depth of the subject. In the introductory session Prof. Sankar Kumar Som explained fundamental concepts of

Fluid Mechanics, Kinematics of Fluid Flow & its tutorial, Reynold's transport thermo and its application.

Further, Prof. Suman Chakraborty covered concept of 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. Moreover, Prof. Sandipan Ghosh Moulic, explained 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.

GETTING ADEPT

2 Weeks ISTE Workshop on Signals & Systems

Organized by IIT - Kharagpur & Managed By B. H. Gardi College of Engineering & Technology

Electronics & Communication Engineering Dept. & NPTEL EDUSAT CENTRE of B. H. Gardi College Of Engineering, Rajkot has coordinated Two-Week ISTE Main Workshop on "SIGNALS & SYSTEMS" during January 2nd to January 12th 2014, live from IIT Kharagpur at B. H. Gardi College Of Engineering & Technology, as a REMOTE CENTRE.

An important initiative has been taken by IIT - MUMBAI and IIT Kharagpur to work with Engineering colleges in the country to enhance the teaching skills of our faculty

colleagues in core engineering and science subjects. This initiative is a part of the 'National Mission on Education through ICT'. Under this initiative, we have conducted the main workshop. Participating teachers from various Degree engineering & Diploma Colleges have attended live lectures delivered by IIT Faculty at our College. Lecture session & live interaction takes place in distance mode using the AVIEW technology through internet.



There were 2 eminent professors from IIT - MUMBAI & IIT - KHARAGPUR namely Prof. Vikram Gadre, who is the known as the God of Signals & Systems & he is also awarded with "President of India Gold Medalist Award" & Prof. Somnath Sengupta. They explained the basic concepts of this subject in very depth and also interacted with faculty

members to solve their queries through Clicker & Moodle Quizes. Participant Faculty members have efficiently involved themselves in Assignments given by the professors.

Workshop has really benefitted faculty colleagues who are teaching Digital Signal Processing, Signals & Systems and/or related subjects like Circuit Networks, Control Systems/Theory. It has helped equally to the faculty of Mathematics who teach Engineering Mathematics in Engineering Colleges.

Entire workshop was coordinated by Prof. S. B. Bhatt along with Teaching Assistants and A - View Team members.

OBE

Anger Management Fused With a Sublime Endeavour!!!

India of the 21st century is at the brink of a youth revolution confronting the cut-throat competition in every arena of life. Confident and independent, the youth of this generation are spiritually inclined but paving their path to success has many hurdles that result in anger and stress amongst them, especially the teenagers. Confident and independent, being more informed and flexible, learning to withstand anger or stress will certainly help them to climb the ladder of success more efficiently. With this aim in mind, an interactive session was arranged by **Prof. Rakesh Oza** and **Prof. Sujata Wadhwa** for the entire 1st semester students in the Convention Centre as a part of **Life Skills sessions**. During these synergistic sessions, the pupils in groups brainstormed on the following:

- What is anger/stress?
- Why do we get angry?
- Should it be channelized or controlled? How???

Brain waving: An intense and elaborated brain waving on the above stated questions lead to the various strategies and ways of controlling anger. Each group presented the major strategies which were common to many in that group. Even some students of MBA also cogitated and presented their own methods of coping with their anger. These pondering sessions were certainly fruitful and the learners truly mulled over to find the solutions.



chance once.

Amalgamating with a noble cause: The super brain of the Gardi Vidyapith, Prof. S. B. Jadeja perfectly united this Poster Exhibition with Sainik Welfare Fund on the grand occasion of the Immaculate 2014. More than 80 students of 2nd semester volunteered this lofty undertaking and exhibited their perfect dressing sense with communication skills. The simple concept of getting a bindi worth 10/- and using it as a like for that particular poster which is most admired by the visitor worked excellently well to amass 25000/- as a donation to Sainik Welfare Fund. The spectators not only contributed but also appreciated and cherished many exquisite posters highlighting the ways to stop the anger. The unceasing efforts of the volunteers were equally applauded. The poster of Chirag, 2nd semester, Civil Dept. received the maximum likings followed by Jay Wadhvani's poster, 2nd Sem, Mech. Dept.

- Prof. Sujata Wadhwa