Posting Licence No. RAJKOT / 635 / 2013-2015 Posting on 15th of Every Month, POSTED AT RMS-RAJKOT



Published Date: 10th of Every Month

Year: 3 | Issue: 30 | Dt. 10-08-2015 | Page: 16

Language · FNGLISH

"Engineering Beyond Borders"

uman brain is a marvelous treasure of thoughts and notions which might perhaps bring a revolution in of Collaborative Learning Chiling the circumstances of any nation or country. It only needs an expediter who would embolden the ideas, grip out the appropriate ones, and escort them towards the manner of implementation. With an aim of developing engineering education and its effect on society and environment, SPEED (Student Platform for Engineering Education) which is a global, non-profit student organization, collaborated with IUCEE (Indo US Collaboration for Engineering Education) and in 2015, it is set to be held in 18 diverse and exceptionally good universities across India. B.H. Gardi College of Engineering and Technology is gratified to secure a place among them as a host of this workshop themed "Engineering beyond Borders". It was facilitated by 3 experienced SPEED members from across the country with an intention to bring awareness of the challenges faced in the 21st century

and then make students' work collaboratively to find a

solution for these challenges.

The Theater show began with an "Ice Breaking" session which every time is evidenced to be the finest activity to unwrap the hidden qualities of partakers and make them acquainted with the other members of workshop. All the participants were lured under the charm of facilitators and released their tongue containers for sharing their specifics and hobbies with each other. It was followed by a talk on "Introduction to Speed" by Mr. Ajay in which he dragged listeners' attention in to key points like the evolution of SPEED, its mission and vision as well as activities carried out under it

This was followed by a debate on "Lecture in Classroom or Outside Learning" which gradually grew into a battlefield of words and arguments. The



Professional Training in Networking Field

Objective:

omputer networking is one of the best domains for an Engineer; candidate can develop his/her skillset expected by the Industry/Company & get good placement during or after completion of their Bachelor's degree in Electronics & Communication Engineering, Today's generation lives in an Internet Era & Networking offers wide variety of job opportunities across the Globe. Requirement for a qualified/certified Networking professional is increasing day by

day.

In order to keep pace & to explore the opportunities in the networking domain, EC department thought of providing CCNA (Cisco Certified Network Administrator) & MCSE (Microsoft Certified System Engineer) training. The Department had identified best professionals across India, where the students received the best training & subsequent placement assistance as well.

Learning Skills EXPERTS



CCNA

- OSI MODEL
- Routing Protocol
- IPv4 and v6
- CISCO router configuration
- Switching EIGRP and OSPF
- Subnet ting, RIP
- VLAN, WLAN

Achievers



- 1. Networkers Eduhome Pvt. Ltd., Bangalore, Karnataka.
- 2. BASCOM **BRIDGE Education** Pvt. Ltd., Ahmadabad, Gujarat.
- 3. Aim Carrere Solution, Rajkot, Gujarat.

- 1. Malay Panchani
- 2. Dharmesh Vasoya
- 3. Vrunda Rajpara
- 4. Payal Parmar
- 5. Pankaj Pal
- 6. Dhaval Vadodariya
- 7. Pritesh Gohil
- 8. Vipul Solanki
- 9. Dhruv Fataniya
- 10. Divyesh Kunchala
- 11. Fenil Adesara
- 12. Chetan Kharade
- 13. Alpa Barad
- 14. Ankita Zankhariya

Windows 8 and server 2012 pg 1/4

- Installing and configuring
- windows 8
- Server 2012
- Internet Protocols
- Outlook
- Clients and server lines in organization
- Active directory
- **DHCP**

1. CMS Institute Dadar, Mumbai, Maharashtra.

- 1. Rushabh Mehta
- 2. Pratik Kansagra
- 3. Mansi Makhecha
- 4. Prashant Bhatti
- 5. Chirag Kalariya
- 6. Ashish Faldu
- 7. Mitesh Sangani
- 8. Rushi Pandya







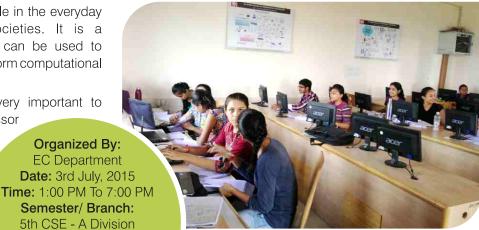
Long Hour Coding Session on 8085 Microprocessor

icroprocessor plays a significant role in the everyday functioning of industrialized societies. It is a Programmable Logic Device that can be used to control processes, turn on-off devices, to perform computational & data processing tasks etc.

For an EC or Computer Engineer, it is very important to understand the functioning of the Microprocessor

& to do the programming based on the given tasks as they have to understand the problem, have to analyze it, apply the logic & finally need to implement the functionality in the form of instructions. Moreover in an industry environment, they need to work for long hours.

To get a feel of actual industrial environment, where all these qualities are expected, BHGCET had arranged the session to enhance the Analytical, Logical & Computational Skills of the students.





Outcome:

The Students were able to:

- Understand the Problem.
- Analyze the Problem.
- Develop different Logic for the same functionality.
- Able to write the Program.







Student's Feedback:

- The session improved our Analytical Skills.
- Our Logical thinking Skills improved. We came to know that how different logic can be implemented to perform the same functionality.
- Our Programming Skills improved.
- We feel confident enough to write an assembly language
- Do arrange more & more such long hour coding sessions not only in Microprocessor subject but in other subjects as well.





OBSERVING AND SOLVING

It's Better to be Late than Never: A Traffic Survey

Aim: Time is money in today's fast, competing and skillful life. As a result of increased population the traffic problems, accident rates as well as accident death rate is a matter of concern.

Objective: To undergo the problems regarding traffic, its evaluation is needed and for the same the TRAFFIC SURVEY was done by the students of BHGCET, 7th sem., Civil at Laxmi Nagar Underpass.



Students involved in survey:

- 1. Chovatia Dhaval
- 2. Sampat Vivek
- 3. Sardhara Sagar
- 4. Singhadiya Chirag
- Bhogaidha Dhaval

Outcome:

- · The survey helped to design the road as per population growth, vehicle growth, determine off- peak hour and on peak hour, plot accident collision-condition diagram.
- · Traffic survey is an assessment method of already existing alignment of road networks in city area and counters the possible solution.





CSE/IT Faculty Participation @ MWTC, GTU

rof. Priyanka Raval of CSE/IT Department of BHGCET recently attended 2 Days Workshop on "Android & Value addition by Faculty to meet Industry requirements" organized by Gujarat Technological University's Mobile and Wireless Technologies Club (MWTC) at CIC3, ACPC Building, LDCE Campus Ahmedabad. The workshop was organized in association with Infostretch Corporation (India) Pvt. Ltd. on 3rd & 4th July 2015.

InfoStretch is a leading provider of next-gen mobile application lifecycle services ranging from design and development to testing and sustenance. Gujarat Technological University has been working since 2011 in the field of Mobile Computing



and Wireless Technologies. At present 30 MWTCs are successfully established at different College/Institute affiliated to GTU across the state and more are in the process.

Various topics covered during the workshop included:

- · Value addition by faculties to teach students meeting industry requirement-A more Practical approach.
- Android History & Eco-System.
- Setup Development Environment (Eclipse & Android Studio).
- Android App Structure, Components of Android, Android Views & Widget, etc.



Workshop on General Etiquetts

t is easy to look smart with good clothes but without good manners and etiquettes it is just worthless. Manners reflect upbringing, cultic education and refinement.

"Manners indeed market a man," without good manners no one can become a part of a civilized society. It is manners which can



Faculties Guidance: Success is a state of mind, "If you want success, start thinking of yourself as a success"



calm ruffled feather and define the rules of a civilized society and thus to inculcate the same in the students who are going to be professionals, BHGCET organised a workshop on 'GENERAL ETIQUETTS' for the students of Electrical department.

- Komal Fulwani

Conti... from page 2 Professional Training...

Student's Feedback:

- 1. We have learned how actual hardware works with the different case scenario. We also gained exposure to work in totally different environment of Bengaluru and learnt how to interact with unknowns. This course content was very helpful to crack major certifications like CCNA, CCNP, and CCIE.
- 2. We really feel proud that being in the 6th semester, we were motivated to explore our expertise in networking domain. In this entire course we gain lot many things which we didn't see ever before.
- 3. We learnt how to make a network (wired and wireless). We also developed our insight into an interesting topic of Network Security. Now, after completing this training I can manipulate the basics of routers, switches and its protocol to demonstrate live in hardware.





4. We were taught each and every basics of networking. Their guidance and training were totally job oriented. We were given sufficient time to perform everything practically. The teaching behavior was so nice that at the end we all were much enthusiastic.

Outcome:

All in all, entire training of CCNA at various places was very helpful in exploring the Networking domain. The students feel confident enough to grab various opportunities in the networking field. In addition to this, they are highly motivated to finish their certification in CCNA by the time they join their 2nd part of training i.e. CCNP (Cisco Certified Networking Professional). Total 22 students have successfully completed their 1st part of Networking Training. They will join the 2nd part in the month of January, 2016.



4 Days Hands-On-Workshop on 8051 Microcontroller & Interfacing

mbedded industries of current as well as upcoming era seem leaning towards use of various categories of microcontrollers which enhance the features of final products. In order to be compatible with rapidly growing industries, a student must be attuned to work with various microcontrollers specifically 8051, AVR, PIC, ARM etc.

With an aim to ripen the students according to industry requirement, Electronics & Communication Department had organized a 4 day Hands-On-Workshop from 15th to 18th June, 2015 for the 5th Semester students on "8051 Microcontroller & Interfacing" using Assembly and C language. It was facilitated by Prof. Jaydev Jadeja and Prof. Ashish Mehta.



Various Peripheral devices interfaced:

- 7-segment display
- LCD
- **ADC**
- Temperature sensor



Visualizing the Colors of Life (Circuit Board)



Contented by satisfactory results on screen

Outcomes:

- Participants understood the functionality and architecture of
- They were acquainted with peripheral devices and their interface with 8051.
- Basic methodology of writing a program in assembly and C language was highlighted.



Faculty involvement at its best

Student's Feedback on Workshop:

- We were made familiar with the programming of 8051 microcontroller as well as downloading the program in it.
- Over and above programming, we were cherished to end up with learning of 3 soft wares whichwould act as a plus point in our resume.
- It enhanced our skill of developing the logic and programming of 8051 microcontroller in Keil and Proteus software.



Brain Storming to become a Better Brain Burners...

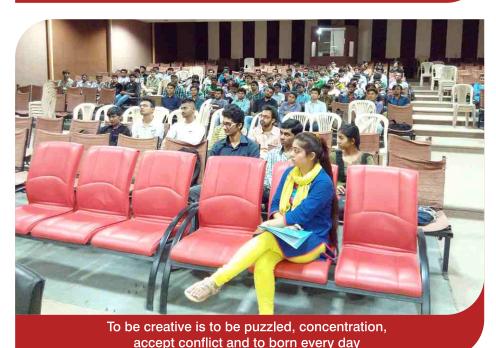
ne of the greatest challenges for a college applicant writing the Common App essay is simply getting started. The prompts are vague, the stakes are high, and many students find themselves anxiously staring down at a blank page. That's why we recommend deliberately setting aside to actively brainstorm a variety of topics before committing to write a rough draft.

A brainstorming session is a useful tool to generate ideas or find solutions to a problem. These sessions explore and expand a student's ability to think critically and laterally. As students get actively involved, the sessions aid the process of learning and improve academic performance

Benefits:

- 1. Brainstorming in the classroom motivates students to share and express their ideas and thoughts on a subject.
- 2. The sessions provide the students with a platform where they can voice their thoughts without fear of failure.
- 3. The class got a chance to connect the present and the past topics.





- Komal Fulwani













facilitators then sidetracked the audience towards learning techniques like E-learning, Kinesthetic and Internships which were jaw falling dealings for participants. They explored in detail the areas like identifying the problem, defining the boundaries of problem, finding the solution and dealing with its feasibility. The addressees were divided according to their appropriate tracks and had to develop the idea before representing it on chart. All were at a liberty to provide suggestions and remarks on each other's chart by pasting sticky notes which resulted into amalgamation of different thoughts.

Finally they landed up in a session on "Wiksate" which is an excellent platform for sharing their ideas with relative people and thus gets reviewed with comments and suggestions. The day ended with elucidation on "Professional Ethics" aiming proficient use of mailing etiquettes. The smiling faces of attendees made their contentment clearly visible.

The succeeding day started with an introduction to action plan and particularizing its way of approach. Teams were supposedly asked to make their action plan on their selected topic and the room was jampacked with chart papers and sticky notes encompassing of ideas beneficial to society. Action plans were presented on the next day and thus all the students seemed involved by promising their best

Best Action Plans

- Ashrojghar (Java Based application for unemployed persons)
- Natural Cooling for Trucks & LCV's
- Helping Hand (A stick for blind people with GPS, sensors and other amenities)

Working Committee

- Chapter Secretary Hitarth Chaudhari
- Joint Secretary Jill Pathak
- Internal Affairs Officer Urvesh Solanki
- Finance Officer Aditya Prajapati
- Social Media Officer Virat Patel

IUCEE-SPEED - A



efforts for being recognized in the top 3 action plans.

As a final point, students presented their strategies and action plans on what they had been working during the tenure of workshop. Prof. Amit Sata - Mechanical Dept., Prof. Rakesh Oza - Electronics & Communication Dept. and Prof Trishla Shah - Computer Science Dept. were fortified as judges for envisaging the best action plans. Audience was stunned to see the action plans which demonstrated their intellectual skills and eternal wish to support the society by improvement in technology. The panel of judges examined their tactics and loaded them with appropriate solutions and explanations.

Best among them were evaluated and recognized for their appreciable work. This was followed by chapter formation in institute and 5 of the participant members were selected for various posts based on their performance during the epoch of workshop and was concluded by glorifying the facilitators for their time and knowledge.

Dr. Siddharth Jadeja - the Executive Director of Gardi Vidyapith played a secreted but chief role in positioning this workshop proving a global level platform to students. Considerable efforts were made by the Student Council members for coordinating the workshop and making other arrangements for its smooth conduction.

Facilitators

- Mr. Santosh Pawan VJIT, Hyderabad.
- Mr. Ajay Pvn VJIT, Hyderabad.
- Mr. Sreeram Godavarthy HITAM, Hyderabad.

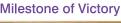
Outcomes of Workshop

- Broaden the network and provide students with pathways to academic leadership
- Stimulating leadership and educational growth in Indian student population
- Accelerate the process of improving the quality of imparted engineering education and research in India.

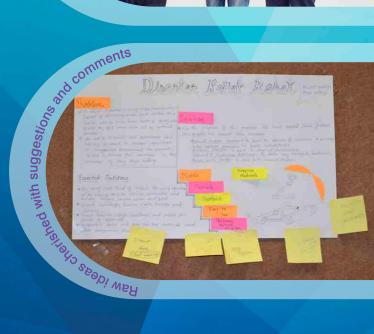














EXPOSED TO REAL ENVIRONMENT

Industrial Visit to Sikka Thermal Power Plant

H. Gardi College of Engg.& Tech. (EE Dept.) organized an industrial visit to Sikka Power Plant for 5th semester students as per the curriculum given by GTU for their EPS-1 subject.

Objective:

- To understand the importance of power system.
- To get more knowledge about the thermal power plant
- To better understand the generation of electricity.
- To understand the importance of the stability and continuity of the power(electricity)
- To develop the project regarding the Power System.
- To come up with innovative ideas regarding modification in current system.
- To analyze the economic aspects of Thermal Power Generation.



grid, importance of continuity of electricity, how much time required for the shutting down the power plant, how much time required for restarting the plant, what would be the cost of one unit of the plant, how much power could be generated from one unit, what would be the total power generation of the plant.

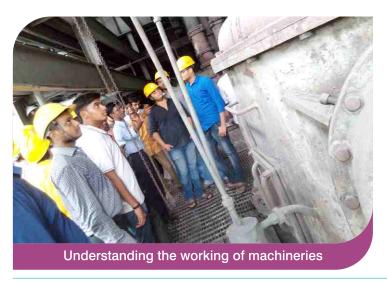


50 students were the part to visit Sikka thermal power plant and to study the thermal power generation which is the part of the syllabus in their EPS-1 subject. Over there they got the knowledge about the generation of power, interconnection of



Pre-visit Activity:

- · Introductory session on thermal power generation.
- Electrical and Mechanical aspects of thermal power plant.







EXPERIENCE FROM EXPOSURE

Industrial Visit to IPR

n Monday, 27th July, 2015, 34 students from different branches, with Mr. Mukesh J Keshvani of Gardi Vidyapith did visit to IPR, Gandhinagar with the purpose to gain the practical knowledge & application of plasma which is difficult to understand in classroom. The students visited FCIPT (Facilitation Center for Industrial Plasma Technologies) which works mainly on the application of plasma. The students got this opportunity to visit through the reference of Dr. Mukesh Ranjan (Senior Scientist). At last Gardi Vidyapith students also visited

Science City, Gandhinagar.

The students discussed with Dr. Mukesh Ranjan (Senior Scientist) and he was very happy with the students' questions and behavior. He discussed about the future possibility for students' BE and ME project at IPR. The students' also visited all facilities at IPR and learnt about different kind of project, as well as instruments.

- Prof. Mukesh Keshvani



Conti... from page 10 Sikka Thermal Power Plant...



- Discussion session on pros and cons of thermal power generation.
- Given instruction for the well behaving and well manners.

Outcome:

The students gained knowledge regarding the Thermal power generation.



- The students understood the upcoming and already installed real time projects going on in country
- The students came to know the importance of the continuity of the power (electricity)
- They learned the operation of control room in thermal power generation. - Prof. Komal Fulwani



LEARNING FROM OBSERVATION

Outcome Based Education

he outcomes of a traditional curriculum are not normally defined, and learning of the student depends on the methods of teaching and learning. Examinations and grades are used to measure the student learning. In an outcome-based teaching, the curriculum is designed to develop specific student learning outcomes (SLOs), that is, what the students would be able to do after the completion of a course or a degree program. There must be a continuous assessment and evaluation process in place to determine the degree of achievement of student learning and for program improvement. This presentation identifies the needs for developing student's critical thinking ability through exercises of cognitive level. This also emphasizes on the needs for the quality of education rather than the quantity of course contents. The main elements of knowledge management are identified.









CSE/IT Faculty Participation @ Oracle PL/SQL Workshop

rof. Jatin Ambasana of CSE/IT Department recently participated in the Oracle Academy's Workshop on Programming with PL-SQL from 8 June to 12 June 2015. He has also attended two more workshops from the same academy. The workshop was conducted by Mr. Aman Sharma.

Mr. Aman is an Oracle Database professional who is passionate about Oracle Databases. He has been working with Oracle databases since 1999 and is currently working as a consultant and instructor. Aman was awarded the Oracle ACE award in 2010.



Prof. Jatin
Ambasana
receiving
certificate of
participation
from Mr.
Aman
Sharma





A RAY OF NEW TREND

Workshop on "Integrating Projects and Design into Core Engineering Courses: Enhancing Learning and Preparing Professionals" by Dr. Bill Oakes

ommunity service agencies face a future in which they must take advantage of technology to improve, coordinate, account for, and deliver the services they provide. They need the help of people with strong technical backgrounds. Undergraduate students face a future in which they will need more than solid expertise in their discipline to succeed. They will be expected to work with people of many different backgrounds to identify and achieve goals. They need educational experiences that can help them broaden their skills

Teamwork, communication, customer-awareness, project management, leadership, ethics, societal context, professionalism, and Activity-based learning or ABL describes a range of pedagogical approaches to teaching. Its core premises include the requirement that learning should be based on doing some hands-on experiments and activities. The idea of activity-



A good teacher can inspire hope, ignite the imagination, and instil a love of learning.

based learning is rooted in the common notion that the children are active learners rather than passive recipients of information. If a child is provided with an opportunity to explore by their own and with an optimum learning environment then the learning becomes joyful and long-lasting.





To get more knowledge about the OBE and Activity Based Learning and to give proper direction and guide the students,

few of the faculties Dr. Siddharth Jadeja, Prof. Komal Fulwani, Prof. Jatin Ambasana, Prof. Priyank Zaveri, Prof. Trishla Shah and Prof. Disha Patel from B.H. Gardi College of Engineering and Technology attended the orientation workshop offered by GTU in collaboration with Purdue University, USA by an expert faculty Prof. Bill Oakes. Director EPICS, Purdue University, USA on 17th July 2015 and



Success always depends on the second letter

returned with the more enthusiasm and zeal for the academics.





WARM WELCOME

Induction Program @ M.H. Gardi School of Management

um. M. H. Gardi School of Management, Rajkot organized an induction ceremony of the fresher MBA & MAM batch. All the students were warmly welcomed as per our Indian tradition with Kumkum Tilak. The program started with the Saraswati vandana. Atmosphere was created in such a manner so that the students can get to adopt multiple measures which have been initiated in the institute to enhance their employability. Honourable Director Dr. Vishal Khasgiwala



advised the students to aim big in their lives and work in a systematic manner to fulfil their dreams. He also touched upon the general education scenario and talked about multiple opportunities available to the students. He also put emphasis on collective work of the students and faculty members and also guided the students towards personality transformation to achieve highest possible milestones in future. College alumni Arjun Sagapariya spoke to the junior batch of the students about personality development, enhancing knowledge beyond the study material, grooming themselves, and the kind of opportunities available in the market.



The whole program was organized by Asst. Prof. Nilesh Ankleshwariya and Asst. Prof. Ashita Mansuriya with the help of Asst. Prof. Sameer Dholakia, Asst. Prof. Keyur Popat, Asst. Prof. Viral Raval and Asst. Prof. Kanchan Parmar under the guidance of Dr. Vishal Khasgiwala. This day was really remarkable and it is a good kick for fresher students as they are going to start their career.



GTU TOPPERS & GARDI MBA ROCKERS



RUCHI RAITHATHA



DAKSHA MANGUKIYA



VASAV BUDDHDEV

OVERALL RESULT

MAM - 2ND SEMESTER - 86% | MAM - 4TH SEMESTER - 75% | MBA - 4TH SEMESTER - 89%



ACHIEVEMENTS

Students Achievement @ Engineering Youth Fiesta 2015

earning from Industrialist is a really unique experience that the 5th CSE students have realized. The Team behind the "A Trip - Paddle to Jungle" game (an Engineering Youth Fiesta 2015 Project) had a golden opportunity after EYF 2015 as they were invited for discussion with Mr. Sameer Trivedi, Director, Keshav Infotech. Heartily congratulations from the entire Gardi family to...

1. Damini, 2. Isha, 3. Sheetal, 4. Divyesha, 5. Rinkal, 6. Ravina

Unique platform used behind this project was: Python.

Mr. Sameer appreciated the project & the efforts put behind the project as it is a very innovative idea to develop a game which along with entertainment also helps in maintaining health. He suggested that some more features could be incorporated in the game like:

- Providing varying cycle speed.
- Providing adjustable paddle tension as per the user's weight.
- Providing mode selection for various types of cyclers,



patients, etc.

The game can also be converted into a game for treadmill which is used more than a cycle in a gym.

The team also got appreciation from many well-known industrial leaders.

- Seta Isha (CSE Student)

CSE/IT Faculty Achievement @ International Conference

SE/IT Department congratulates Prof. Trishla Shah as her Research work has been published in an International Conference ICT4SD.

Her research entitled "LFSR based CSPRNG and Common attacks" was published in the Journal - "ICT on Transactions", by Springer publication and her work was honored by Dr. Suresh Satapathy, Chairman of Education and Research in Computer Society of India.

ICT4SD2015 (namely International Conference on ICT for Sustainable Development 2015) provided its participants a platform to bring forth significant research and literature across the field of ICT for Sustainable Development and provide an overview of the technologies waiting to be unveiled.



CSE/IT Faculty Achievement @ VDAT 2015

SE/IT Department congratulates Prof. Trishla Shah as her Research work has been published in the 19th International Symposium on VLSI Design and Test held during June 26-29, 2015.

Her research paper entitled "FPGA based Simulation of A5/1 Algorithm of GSM communications" got recognition to be published in IEEE Journal Proceedings amongst the 400 Papers. The conference was organized by VLSI Society of India at the Institute of Technology, Nirma University, Ahmedabad.



Editor: Dr. Siddharth Jadeja Co-ordinators: Parita Unadkat, Hiral Ganatra For any suggestion or queries, mail @ garditimes sub@gardividyapith.ac.in





ACHIEVEMENTS

Oracle Certification by CSE/IT Student Faculty Achievement

The CSE/IT Department congratulates 7th Semester CSE student Mr. Abhishek Patoria for achieving great heights of success by clearing the Oracle Certified SQL Expert Certification Exam with 94%.

DRACL

Certified Expert

Oracle Database SQL





"YOU MUST BELIEVE TO ACHIVE"

Miss Nidhi Chandarana from civil department swollen



with the pride on one of its faculty's endeavor to complete the course of "Agriculture and the world we live in" through certified course by MASSEY UNIVERSITY, NEW ZEALAND and she came up with the bright colors scoring 88%.

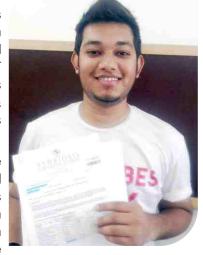
The course was supposed to be completed within 4 weeks after daily attending online lectures and successfully passed all comprehensive assessment of the course brought to you by OPEN UNIVERSITIES, AUSTRALIA.



CSE/IT Student Achievement @ Symbiosis

Krunal Makwana (IT 2015 Pass-out Student) has secured the MBA admission in Symbiosis International University (SIU). CSE/IT Department congratulates him for his achievement & wishes him best luck for his promising future.

He has been selected for the 2 year full time residential Master Business Administration (MBA) in Communication Management Programme



2015-17 at Symbiosis School of Media & Communication, Bengaluru (SSMC-B), a Premier Media & Communication School.



CLICK PICK



The Gardi Times (Monthly) Editor & Owner: D. V. Mehta, Publisher & Printer: Dimple Mehta, Place of Publication: "The Gardi Times" Karyalay, Opp. Cosmoplex Cinema, Mota Mauva, Kalawad Road, Rajkot-360 005. (Gujarat), Printed At: "Genius Printery" Opp. Cosmoplex Cinema, Mota Mauva, Kalawad Road, Dist. Rajkot-360 005. (Gujarat) M. 98245 72572