



October-December 2006  
Volume-2, Issue 4

# GCET TALK

THE QUARTERLY NEWSLETTER OF  
G H PATEL COLLEGE OF ENGINEERING & TECHNOLOGY  
(A CHARUTAR VIDYA MANDAL INSTITUTE)

## FROM CASUALS TO FORMALS !!!!

### Placement Picks up Momentum

It's 155 not out!!! All of them are final year students from various Departments. Apart from the regular campus recruiters, this time, there are many industrial houses who, for the first time, are visiting our campus for the placement. It's really rewarding to see our students getting entry to the professional world. Details are given inside.



### Editorial

Rain God was not so kind this time. In the third quarter of the year we have experienced the fury of the mother nature. However that didn't dampen the spirit of the GCETians. The colorful Garba evening and our performance in the youth festival are the testimony of that. Overall, it would certainly be fair to say that the events organized within the college, and our participation in events outside, proved to be enjoyable as well as successful, adding a vital and essential element of enrichment to college life. In this issue you will also find the details of the placement news, the workshops organized by several Departments and many more students' activities. As usual constructive criticisms are welcome.

Kaushik Nath

## It's a hat-trick!!!!!!!!!!!!!!

By- Jahanvi Nakka ( 3rd Level Computer)

This year, University Youth Festival was perhaps the most awaited event, as far as GCET was concerned. GCET, the defending champion, wanted to win the Youth Fest again and create history by winning it three times, in a row. Expectations of the whole College on the Youth Fest Team were sky high. At the same time, everyone knew that other colleges were not going to remain silent.

The youth festival started from 22nd sept till 24th and showcased the latent talents of nearly 37 colleges in 22 different events. GCET was simply invincible in almost all the events. GCET won in a record breaking 17 events with 62 points, which is an all time high for the College and hence won the Youth Festival, for the third time, in a row. GCET 's euphoric win is an acknowledgement to the strenuous and diligent efforts the whole Youth Team had put in. Let's hope that the tradition continues in years to come.

### INSIDE THIS ISSUE

02	News from GCET
02	Mathematics Workshop
02	Workshop on DOTNET
03	Workshop on Oil Hydraulics
03	Placement Details
04	Science Around The Globe
04	Letters to the Editor
04	Memoirs

GCET TALK  
extends hearty  
welcome to all  
freshers of 06  
batch.

## **Seminar on Impact of Mathematics on Live Industrial Problems**

Civil and Structural Engineering Department ( Mathematics Group ) of GCET arranged a one day seminar on “Impact of Mathematics on Live Industrial Problems” on 19<sup>th</sup> August, 2006. The objectives of the seminar were to highlight the strength of Mathematics to solve live industrial problems. The seminar received an overwhelming response from all over the Gujarat despite heavy rains in the state. Total 81 participants, most of whom are faculty members from various institutes of Gujarat attended the seminar. At the beginning of the seminar, Dr Ketan Kotecha, Principal, GCET gave informative talk regarding campus and college. The key-note address was delivered by Dr V D Pathak (Professor of Applied Mathematics Dept, M S University of Baroda and Formely-Pro V C, M S Univ. of Baroda) on “Mathematics in Industry”. This was followed by four special lectures on “Industrial Mathematics” delivered by eminent mathematicians Prof S Rammohan, Prof S J Bhatt, Dr D C Vakaskar and Dr A Hasmani. Also a Panel Discussion on “How Industry People use Mathematics” was arranged which was enthusiastically participated by industrialists like Shri Amarnath (MD, Apollo Tyres), Shri R Mukhopadhyaya (MD, Infonet Systems), Shri Arun Shah (MD, G-Tech Industry ) and Shri Dhruv Doshi (Chemical Industry, Anand ). The anchoring of the seminar was done by Co-convener Ms Krupal S Parikh and the vote of thanks was delivered by Convener of the seminar Shri Vipul R Shah.



A view of the delegates at the seminar

### **Achievement of our Student**

Mr. J P shah of EC Department had participated in a project competition held by Foundation for Advancement in Education and Technology (FAER) sponsored by Motorola Foundation. He had designed a project on “FPGA based Noise Cancellation by Adaptive finite impulse response filter using LMS Algorithm”. His project was selected out of many entries throughout India and finally he has secured fourth rank in his competition.

### **Blood Donation Camp at GCET**

Indian Red Cross Society, Anand organized a Blood Donation Camp, in collaboration with GCET on 6<sup>th</sup> October, 2006. 28 bottles of blood were collected on the occasion.

### **FUNNY BONE**

If The Flintstones were B.C. and before America, why did they have Flintstones Thanksgiving and Flintstones Christmas?

### **GCET-ICC Team Meets GIDC office Bearers**

A team of the faculty members of GCET recently held a meeting to explore the probable areas of interactions between various industries located in and around Vithal Udoyugnagar. The team comprised of Dr. K V Kotecha, Principal GCET, Dr. Vipul Desai, Management Advisor to CVM, Dr. L F Rabari, Prof. B A Doshi, and others.

### **Workshop on .NET**

GCET IEEE Student Branch in collaboration with IT Department, GCET organized a two day workshop on .NET on 16<sup>th</sup> and 17<sup>th</sup> September, 2006. Workshop was conducted by Mr Ravi Patel, an Infosys Employee, who has been awarded the title- MVP (Most Valuable Person) by Microsoft. The event was organized keeping in mind the growing popularity of .NET and hence received a good response from the students of IT Department.

### Placement Details

Details of the companies that came this year, number of students they recruited from GCET and the total number of students recruited till date from the College are listed in the table given on right side.

### Five day Workshop on Industrial Oil Hydraulics

Industrial Consultancy Cell (ICC) and Mechanical Engineering Department of GCET organized a training programme on Industrial Oil Hydraulics during October 9 -13, 2006. The objective of the workshop was to create awareness in participants about operation and maintenance of the hydraulic components and circuit. Prof B A Doshi was the coordinator of the programme. The delegates were practicing engineers from mechanical and mechatronics fields.

### From GCET Alumni Association (GAA)

Activities of GAA include the maintenance of a book-bank, giving scholarships, managing database, promoting membership to annual farewell or welcome. Inputs in form of feedback related to GCET are being discussed on many online discussion forums. These feedbacks, if posted on GAA feedback portal, can be properly channeled, to do the needful. However, there is a place where we are bottle necked, and that's where we need your help and support for GAA. There are only 203 student members whereas hundreds of students have passed out from GCET, till date. So, I humbly request all passed out students to maintain their affinity with their Alma Mater (GCET) via GAA. And it's rightly said, "Together we Mould the Future".

Mr. C K Modi  
Secretary, GCET Alumni Association

*"You will only be remembered for two things: the problems you solve or the ones you create." --- Anonymous*

Companies	No.
Tata Consultancy	17
Larsen and Toubro	14
Patni Computers	07
Cognizent Tech	01
Infosys Tech	22
Satyam Computers	13
Seimens Tech	03
Neilsoft	04
Tech Mahindra- MBT	25
Essar ( Steel and Oil)	28
Crompton Greaves	01
Atul Ltd	04
GE Processing	03
GNFC Bharuch	03
Wipro Tech	06
Tata Chemicals	03
Hexware Solutions	01
Total	155

### Papers Published In International Journals and Conferences

M Panigrahi, Department of Mathematics

- "A Comparison between Intuitionistic Fuzzy Sets and Generalized Intuitionistic Fuzzy Sets", in "The Journal of Fuzzy Mathematics", 14(2006), no. 2, 407-421, MR2236801.
- "Intuitionistic Fuzzy relations over Intuitionistic Fuzzy Sets", in press for publication in "The Journal of Fuzzy Mathematics".

Dr Ketan Kotecha, Department of IT and Computer Engineering

- Comparative Study of Simulated Annealing and Ant Colony Optimization Algorithms on Solution of TSP. To appear in Proc. of World Congress of Engineers- WCE, London, July 2007
- ISTAR Ant Colony System- A New Approach of Solution of TSP based on Ant Colony System Algorithm. To appear in the Proc. of International Multi- Conference of Engineers and Computer Scientists, Hong Kong, March 2007.

### Miscellaneous News

- With the kind support from CVM and with the prodigious efforts of the staff members of electrical department, HT connection is in operation in the College.
- College has purchased AutoCAD 2007 for Mechanical Engineering department
- IEEE online is available in library. Over 1 million high quality documents related to IT/CP / EC /EE are available in the College.
- In order to secure computers from virus attacks, Symantec Antivirus software was purchased for the college. It is a 100 user licensed software for three years.

G H PATEL  
COLLEGE OF  
ENGINEERING &  
TECHNOLOGY  
( A Charutar Vidya-  
Mandal Institute )

Bakrol Road  
Vallabh Vidyanagar-388 120  
Phone-091-2692-231651  
Fax-091-2692-236896

Once a GCETian is  
always a GCETian



GCET ON THE WEB  
<http://www.gcet.ac.in>

Any GCETian can contact  
Principal directly at  
[principal@gcet.ac.in](mailto:principal@gcet.ac.in)

## ABOUT GCET TALK

### EDITORIAL BOARD

Kaushik Nath (Convener)  
Kumarpal Trivedi  
Rajesh Sanghvi  
Mehul Shah

### STUDENT EDITORS

Prerit Souda  
Hardik Shukla  
Jahanvi Nakka  
Pratik Thoria  
Hetal Lakhani

Published by Dr. Kaushik  
Nath, on behalf of G H Patel  
College of Engineering &  
Technology, V V Nagar. Logo  
by Brijesh Gujarati and lay-  
out by Prerit Souda  
Printed in-House.

# Backbeat

## Science Around the Globe By- Hetal Lakhani ( 2nd Level IT)

### **ELECTRONICS-**

Researchers at IBM and Georgia Insti-

tute of Technology, Atlanta, have developed a silicon-germanium chip, possessing a unique quality. The chip, when cooled to  $-268.5^{\circ}\text{C}$  switches to 500 GHz—more than twice as fast as commercial semiconductor devices made from these materials.

*IEEE Spectrum, INT*

### **GAMING-**

A machine has been invented that encourage children to work out

while playing computer games. Child has to maintain a constant pre-set rate of exercise in order to keep the game's controller working.

*BBC, UK*

### **BIOTECH-**

Just imagine if 40,000 volts are app-

plied to a human body, though, for some nano-seconds. If the research done, in this direction by US Air-force turns fruitful, this technique could be of a great help in cure of cancer.

*IEEE Spectrum, INT*

### **COMPUTERS-**

Proporta USB Mobile charger is a 42 ounce smart battery charger that can power and charge almost anything on the go. It has two

USB Ports. A smaller one for charging it's internal battery while larger one to connect to battery operated device. It also provides a pretty long duty cycle.

*The New York Times*

### **EVERYDAY SCIENCE**

Why don't we feel the Rotation of the Earth?

The reason we don't feel it is that we go along with the surface as it moves, and so does the air that surrounds us. Gravity holds everything on earth down, including the water in the oceans. It is this rotation that causes day and night and change of seasons. In fact, change of seasons is caused by a slant/tilt of 23.5 degrees from the vertical. Each pole leans towards the sun half the year and away from the sun the other half.

Referenced from-Lots More Tell Me Why  
Arkady Leokum

## **Letters to the Editor ( via E-mail)**

Hi,

It seems to be great news for us that GCET is making a space in all areas. Conducting various seminars at state level, highest placement ever done, many students getting admission in US, UK for further study so on and so forth. If you can create some web page where you may collect email addresses of all the ex-students, ex-staff, and send them GCET Talk file whenever it is ready, will be helpful to all of us to get news about GCET

Yogesh Baraiya, I-Flex Solutions Ltd,  
[Yogesh.Baraiya@iflexsolutions.com](mailto:Yogesh.Baraiya@iflexsolutions.com)

## **MEMOIRS**

Last Year GCET TALK came back after years of hibernation. Lead by Sudeep Popat( Head, GCET TALK/Voice Editorial Board, 2006) GCET Talk Committee toiled hard to make this dream a reality. Starting anything from scrap requires some real hard work and Sudeep gave everything he could to make it happen. Present GCET Talk/Voice Committee is thankful to Sudeep for giving his invaluable time to GCET Publications and bringing back GCET TALK. We are also thankful to Jay Shah(02 EC) for his contributions to GCET Publications.

GCET TALK/ Voice Editorial Committee 07

If you would like to contribute a poem, an article, a work of fiction, cartoons or any other interesting thing in GCET TALK/Voice, please contact Dr Kaushik Nath, Chemical Engineering Department, GCET( [kaushiknath2003@yahoo.co.in](mailto:kaushiknath2003@yahoo.co.in)).