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GCET TALK

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

EDITORials

Here we present the second issue of the third volume of GCET Talk. The second quarter of the year 2007 witnessed many events, both small and big - some changes in Chairs of the Departments, introduction of revised and updated course structure of UG, starting of one PG program and many more. Placement figure reached a whopping 231. All these, along with the regular features, I hope, will augment the attraction of the current issue. As usual, constructive criticisms are always welcome.

Dr Kaushik Nath

A Dream Cherished

GCET starts ME (Communication Engineering)

The Electronics and Communication Department of GCET is starting two years ME program in Communication Engineering. Intake will be of 18. Classes will start from the academic year 2007-08. State-of-the-art laboratories costing to the tune of about rupees 1 Crore has been planned.

Magnanimity

50% Cut in Tuition Fee for all Teners

Thanks to the magnanimity of our Honorable Chairman, Dr. C L Patel, that 51 students who have obtained an SPI 10 out of 10 in a semester, will be entitled to get 50% tuition fee waive from immediate effect. Hope that this act will inspire many students to aim high & hence perform better.

PARIVARTAN

Change is part of life. Many things come and go away leaving an indelible mark on our lives. Yet a person need to move ahead remembering the old dug in values along with new opportunities that are waiting for him. GCET too has witnessed some major changes in recent times with many departments getting new HODs. Chemical Department's chemicals were reactivated by Dr Kaushik Nath, Assistant Professor while electrical circuits were re-soldered by coming of Professor. A Sarada(EC) and Professor. Akshay Mehta (EE). While Civil & Structural Department were reinforced by Assistant Professor Khadeeja Pryan, Mechanical & Mechatronics Department witnessed a sobbing division led by Professor Anuraag Verma and Professor B A Doshi respectively.

GCET has also retained Prof R P Arora, Prof J C Panchal & Prof L F Rabari who have led GCET right from its infancy to the present day, as departmental advisors. Their vision, motivating attitude towards junior teachers and support to young budding Gen X engineers passing out from GCET has bolstered the very foundations on which GCET is firmly based.

INSIDE THIS ISSUE

02	Placement Details
02	GCET goes Wi-Fi
03	11th Annual Day
03	NEWS from GCET
03	American Shores Calling
04	Science Around The Globe
04	From the Student Editor's Desk

A Life of economy is equal, or better than, to a life of plenty.

GCET has decided to make its campus Wi-Fi enabled. For many, this term might be of a kind of " heard of somewhere" and in order to make you a little more knowledgeable on it we have included this small write up on Wi-Fi.

Wi-Fi is also called Wireless Fidelity or IEEE 802.11b Direct Sequence. It enables a person to connect to internet using a Wi-Fi enabled PC/Laptop/ PDA when in proximity to an access point. Advantage of Wi-Fi can be listed as wireless connectivity with improved WMM,WMM power save mechanisms and WPA2 encryption methods making it even better than the previous versions. Yet, just like everything Wi-Fi too has its disadvantages which can be listed as higher power consumption in comparison to Bluetooth, security concerns, limited range(45-90 m) and related pollution. Yet some of the disadvantages are being removed or their effectiveness being reduced. There are many vendors that manufacture IEEE 802.11b enabled gadgets which include Acer, Apple, Dell, Intel, US Robotics and many others.

GCET GOES WiFi

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 below.

Sr No.	Company's Name	Total	Sr No.	Company's Name	Total
1	Tata Consultancy Services Ltd	17	20	Realsoft India Pvt Ltd	04
2	Larsen & Toubro Ltd	14	21	DLF Construction Ltd	01
3	Patni Computer Systems Ltd	07	22	Gujarat Glass Ltd (Bharuch)	01
4	Cognizant Tech Ltd	01	23	GSFC Ltd	03
5	Infosys Technologies Ltd	22	24	Schinder Electric Company	02
6	Satyam Computers Ltd	13	25	Super Glass Ltd	01
7	Siemens Technology Ltd	03	26	Adani Group Ltd	05
8	Nielsoft Ltd	04	27	Bombardier Transportation Ltd	02
9	Tech Mahindra Ltd	25	28	Doshion & Ltd (Vatva Ahmedabad)	18
10	Essar Group Ltd (Steel & Oil)	28	29	Floware Sanmar	01
11	Crompton Greaves Ltd	01	30	Kalpataru Transmission Ltd	03
12	Atul Ltd (Valsad)	04	31	V2 Solutions Ltd	03
13	GE Processing Engineering Ltd	03	32	Silcher Electronics	01
14	TNS (Networking Software Noida)	17	33	Dolcera Ltd	02
15	Wipro Technologies Ltd	06	34	Elitecore Technologies Ltd, Ahmedabad	01
16	Tata Chemicals Ltd	03	35	Sriram Alkali & Chemicals, Jhagadia	01
17	Hexaware Solutions Ltd	01	36	Camphor Allied Company, Nandesari	02
18	GNFC Ltd (Bharuch)	03	37	NCPL (Subsidiary of GNFCL)	04
19	Voltas Ltd (Mumbai)	01	38	Wipro (BPO)	03

Total= 231

ÊSTRAVAGANZA CALLED ZEPHYR

GCET CELEBRATED IT'S 11 TH ANNUAL DAY on 10th April, 2007 with usual grandeur. Mr. B M Vyas, Managing Director, GCMFF, was the Chief Guest of the function and Dr. C L Patel, Honorable Chairman, CVM presided over the programme. In his welcome address, Dr. Ketan Kotecha, Principal GCET presented the annual report highlighting various academic and extra-academic activities and achievements of students and staff of GCET. The preceding year was a memorable one for the GCET. GCET found its place among top 100 engineering colleges of India, the placement figure broke all its earlier records, GCET won Champion's trophy in the University Youth Festival and many more. Mr. Vyas in his speech expressed his view on the changed scenario of corporate world and emphasized the need of updating knowledge. In his presidential address Dr. C L Patel blessed all the recipients of merit prizes in curricular and co-curricular activities. He stressed on more dedication and devotion for both the students and staff members. Amidst loud applause he announced 50% tuition fee waving for the students securing 10 SPI. It was followed by cultural evening re-christened as Zephyr.

NEWS from GCET

1) Prof. Himanshu Soni presented a research paper on "Performance Evaluation of DS-CDMA Based OFDM System for Multiuser Ultra wideband Communication" at an IEEE International Conference on Digital Telecommunication during July 1-2, 2007 at Santa Clara, California, USA.
2) Dr. Ketan Kotecha of IT department attended "International Conference on Artificial Intelligence" in HongKong during March 2007.
3) Dr. Ketan Kotecha was invited to deliver a talk on "SWARM intelligence" at the University of Pretoria, South Africa during May 2007.
4) Mr. Girish Vegad, CH Department, attended a QIP Short Term Course on "Advances in Distillation System: Principles and Practices" organized by Dept of Chemical Engineering, IIT, Bombay. During 2- 6 July, 2007.
5) Mr. D V Kapatel, CH Department has published one paper titled 'Design and Development of sand bed filter for upgrading producer gas to IC engine quality fuel in International Energy Journal 8(1), March 2007
6) Dr. Kaushik Nath has become the reviewer of two international journals "Journal of Biobased materials and Bioenergy" and "Chemosphere".
7) Prof. Vrajesh Maheta's research paper titled "Comparison of Negative Bias Instability in HfSiO (N)/TaN and SiO(N)Polysilicon PMOSFET" has been accepted at 14th IEEE International Conference on the Physical and Failure Analysis of Integrated Cir cuits during July 14-15, 2007 at Bangalore.
8) Prof. M. B. Shah of EC Department attended an STTP on "Emerging Trends in Mobile Computing and Secu rity" at Sankalchand Patel college of Engineering, Visnagar during May 21st – 25th 2007.
9) Mr. Ikit Anadkat attended an STTP on "Inculcating Research Aptitude" at Nirma Institute of Technology, Ahmedabad during June 25th – July 7th 2007.
10) 416 students graduated from GCET during this aca demic Year
11) From the academic year 2007-08 GCET starts imple ment of new curriculum for coming batches.

No.	Name of the Student	University Enrolled in	
1	Nishit Shah (EC)	ILLINOIS INSTITUTE OF TECHNOLOGY, IL	MS
2	Yashdeep Khopkar (CH)	LOUISIANA STATE UNIVERSITY, LA	MS
3	Akash Shah (CH)	SAN HOSE UNIVERSITY, CA	MS
4	Sakshar Thakkar (CP)	ROCHESTER INSTITUTE OF TECHNOLOGY, NY	MS
5	Manan Mehta (CP)	ROCHESTER INSTITUTE OF TECHNOLOGY, NY	MS
6	Ronak Shah (CP)	STEVENS INSTITUTE OF TECHNOLOGY, NJ	MS
7	Grishma Kotecha (CP)	SYRACUSE UNIVERSITY, NY	MS
8	Gnayak Poonater (CP)	UNIVERSITY OF SOUTHERN CALIFORNIA, CA	MS
9	Preriit Souda (EC)	UNIVERSITY OF SOUTHERN CALIFORNIA, CA	MS

AMERICAN SHORES CALLING!!!!

Replicating last year's April-June issue's concept we have included here a short list of students who are proceeding to different parts of United States of America for their further studies. This year, too, GCETians have made it to some of the most respected universities of US with two students making it to the University Of Southern California, Los Angeles, CA which is ranked 7th in the United States.

We wish all the best to them for future endeavors.

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pICS of GCET VOICE

There were two pictures in this year's GCET Voice for identification. Now here's the answer to those pictures.

ПрИВеТ!

The **Currency** that was shown was Russian Ruble.

And the **Monument** that was shown in there was the one known as St.Basile Spasskaya-Tower situated in Red Square, Moscow, Russia.

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Backbeat

Science Around the Globe

By– Jahnavi Nakka (4th Level CP)

T-Rays are coming (IEEE Spectrum INT)

Tera Hertz radiations are enabling security scanners to scan for bombs, weapons & IEDs. T Rays extend above the Upper Band Microwave radiation and are reflected by metals, plastic while pass through human tissues. But unlike X Rays these radiations seem to be harmless. Other than the use in security related gadgets, T Rays can also be used in differentiation of normal skin tissue from tumors and good pills from fake ones. NASA has recently commissioned a T Ray Imaging Company Picometrix to build a scanner to look for tiny holes and other structural fillings inside the foam that lines the external fuel tanks in the space shuttle fleet. A chunk of that foam fell away in 2003 and led to death of seven astronauts including Kalpana Chawla & destruction of Columbia.

From the Student Editor's Desk

CHIEF EDITOR, STUDENT EDITORIAL BOARD
GCET TALK/ VOICE 07

In name of Eternal Power

When I took up this position, GCET Talk(Quarterly Newsletter) was completing 1 year after it's rebirth. Literary works are of no use till they do not reach masses. In my tenure, the sole aim for me was to make GCET Talk, a kind of GCET's own media, creating buzz whenever published. I consider my success in this direction, half achieved. A long way has to be traversed, yet. Hope the coming generations continue with this aim.

When you opened GCET Voice 07, the first thing you might have noticed was that it was different. I won't be elaborating much on this as I consider you a better judge for that. Student Editors of Voice 07 had spent days and nights to make this happen. I consider myself lucky to work with such a talented stuff. Jahnavi Nakka and Prajyot Bhambhani had spent hours working on literary works while Siddharth Parmar and Arpit Patel had toiled hard on design stuff. And all this would have been "simply impossible" without the always present support from Chinmay, Prakash, Hetal, Hardik, Pratik, Dhruti and Kanan.

I thank K Nath Sir for all the support he gave me on professional as well as personal front during this tenure. Concluding, I am thankful to all of the student members, K Nath Sir along with the friendly faculties associated with Talk/Voice for standing with me during all ups and downs. As far as readers are concerned, I would just like to tell that we have tried our best during this one year tenure yet if you think that we were not able to deliver, at times to its fullest, it's due to certain constraints which I hope that coming generations will not face.
Hoping to hear some constructive criticism from readers.

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ABOUT GCET TALK

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Hardik Shukla **Hetal Lakhani**
Pratik Thoria **Prakash Raghupathi** **Dhruti Pathak**

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 Department, GCET (kaushiknath2003@yahoo.co.in).