



स्वामी श्रद्धानन्द
कुलपिता

MONTHLY NEWS LETTER



नभग
Flight to Success
NABHAG

FACULTY OF ENGINEERING AND TECHNOLOGY
GURUKULA KANGRI VISHWAVIDYALAYA, HARIDWAR

Inaugural Issue

Volume 1(1-3) | July-September 2010

PATRON

Prof. Swatantra Kumar

Vice Chancellor

ADVISORY BOARD

Prof. Mahavir

Acharya & Pro. Vice Chancellor

Prof. A.K. Chopra

Registrar

Prof. Virendra Arora

Ex-Principal, College of Science

Prof. D.R. Khanna

Finance Officer

EDITORIAL BOARD

Prof. R. D. Kaushik

(Dean, F.E.T.)

Chief Editor

Dr. Sunil Panwar

Managing Editor

Vipul Sharma

Mayank Agarwal

Dr. Vivek Goel

Suyash Bhardwaj

Udit Roy, CSE VII Sem

Kuldeep S. Rathore, CSE V Sem

Ravish Arora, CSE V Sem

Agam Agarwal, ECE III Sem

Abhay Pratap, ECE III Sem

Piyush Prakash, ECE V Sem

Raghvendra Dixit, ECE V Sem

Abhinav S. Panwar, ECE V Sem

Saransh Pal, EEE III Sem

Abhishek Keshwani, ECE III Sem

Sumeet, EEE V Sem

Prerak Khandelwal, CSE V Sem

Ranvijay Singh, ECE III Sem

IN THIS ISSUE

Messages

Recent Placements

Achievements

Faculty corner

Invited Talk Summery

Kshitiz : 2010

Messages



Student's sincere effort towards an intellectual development has been acknowledged through the initiation of this project and I would like to convey my best wishes to all the students for taking such a good step and hope for their successful career ahead.

Prof. Swatantra Kumar
Vice Chancellor



गुरुकुल कांगड़ी विश्वविद्यालय अपने स्थापना काल से ही प्राच्य, अर्वाच्य विद्याओं का सुप्रसिद्ध शिक्षा संस्थान है। वेद, दर्शन, संस्कृत, योग और आयुर्वेद की उत्तम शिक्षा प्रदान करने वाले इस शिक्षा केन्द्र ने देश को विज्ञान के अनेक विद्वान् दिये हैं। इसी परम्परा में आज से दस वर्ष पूर्व विश्वविद्यालय के इतिहास में एक नया पृष्ठ जुड़ा था, 'अभियान्त्रिकी एवं प्रौद्योगिकी संकाय' के रूप में। इस स्वल्पावधि में 'अभियान्त्रिकी एवं प्रौद्योगिकी संकाय' ने अनेक सुयोग्य स्नातक राष्ट्र की सेवा में अर्पित किये हैं। मानवीय एवं चारित्रिक गुणों से विभूषित इन स्नातकों ने अपनी अलग पहचान बनाई है।

सफलता के सोपान चढ़ता हुआ यह संकाय 'नभग' मासिक पत्रक के रूप में एक नया उपक्रम प्रारम्भ कर रहा है। नभग के माध्यम से युवा वैज्ञानिकों को नई-नई जानकारीयां प्राप्त होती रहेंगी।

मैं नभग के सम्पादक मण्डल को हार्दिक बधाई एवं शुभकामना प्रदान करते हुए अभियान्त्रिकी एवं प्रौद्योगिकी संकाय की सर्वविध उन्नति की मंगल कामना करता हूँ।

प्रो० महावीर
आचार्य एवं उपकुलपति



Our board of education has broadened horizons. Our aim is to impart the best of the knowledge to our students with well equipped extra curricular and emotional quotient related inputs and the desire and ability to learn , lead and excel to make them responsible and respected citizens. May god bless all FETians to achieve their goal.

Prof. A.K. Chopra
Registrar



It is a matter of immense pleasure to know that Faculty of Engineering and Technology, Gurukul Kangri Vishwavidyalaya, Haridwar is coming up with this inaugural issue of the monthly news letter 'NABHAG'.

I hope it will give a forum to the students to enhance their creative activities and they will make full use of this opportunity. Congratulations to the faculty, students and all those who are involved in it. This is one of the best tribute to Swami Shradhanand ji- the founder of Gurukul Kangri Vishwavidyalaya.

Prof. Virendra Arora
Ex-Principal, College of Science



The comfort and health of the student community , both mental and physical , are given utmost importance in GKV. A student of FET will lack nothing in terms of support from the management and staff. Best wishes to all FETians!

Prof. D.R. Khanna
Finance Officer



The very idea of starting this news letter matured on inspiration by Prof. Virendra Arora, Ex- Principal of College of Science of our Vishwavidyalaya. As a result, the inaugural issue of the monthly news letter of Faculty of Engineering and Technology, Gurukula Kangri Vishwavidyalaya, is in your hands. It will not be merely a collection of news as it will also cover the educational, cultural and innovative activities of the students. Our target is to develop this news letter as a medium for expression of creative intelligence, research aptitude and technical knowledge of our students. This will be a humble step forward for realization of the basic principles of harmonious blending of our traditional moral values with new ideas of modern-day-Science and Technology as propagated by the founder father of Gurukul Kangri Vishwavidyalaya – Swami Shraddhanand ji. The inspiration to entitle this news letter as 'NABHAG' came during the discussion held with the learned Hindi poet-writer and Ex-Head of Department of Hindi of our Vishwavidyalaya – Prof. Vishnu Dutt 'Rakesh', whose epic 'NABHAG' has attracted much attention in Hindi literature circles. We are grateful to him for permitting us for using this title.

I sincerely hope that this news letter shall open new horizons for our students and they shall be able to prove their utility for research, innovation and our country.

Prof. R.D. Kaushik
Dean, Faculty of Engineering



मुझे यह जानकर प्रसन्नता हुई कि गुरुकुल विश्वविद्यालय के अभियांत्रिकी एवं प्रौद्योगिकी संकाय की ओर से 'नभग' नामक मासिक पत्रक प्रकाशित होने जा रहा है। यह पत्रक संकाय के छात्रों की शैक्षिक तथा अन्य समाजोपयोगी गतिविधियों को प्रमुखता से प्रकाशित करेगा। पत्र के पाठक भी उनकी प्रतिभा तथा शैक्षिक गुणवत्ता से परिचित होंगे। पत्रकारिता की जन्मस्थली गुरुकुल में होने जा रहे इस प्रयास की मैं सराहना करता हूँ।

'नभग' मेरे महाकाव्य का नायक है। वैवस्वत मनु के पुत्र 'नभग' राजकुमार होने के साथ-साथ सूक्तद्रष्टा ऋषि भी हैं। आधुनिक युग-संदर्भों में प्राचीन वैदिक आख्यान को लिखने का मेरा विशेष प्रयोजन रहा है। आप पुरानी तथा नई पीढ़ी के विचारों और जीवन-शैलियों के प्रतीक के रूप में 'नभग' के जीवन को देख सकते हैं। मुझे 'नभग' और स्वामी श्रद्धानन्द के जीवन में अद्भुत समानता देखने को मिली। 'नभग' की माँ का नाम श्रद्धा था और संन्यास लेते समय महात्मा मुंशीराम ने अपने नये जन्म की प्रेरणा श्रद्धा को स्वीकार किया। श्रद्धा सूक्त उन्हें अत्यन्त प्रिय था। समान शिक्षा, समान भोजन, समान परिधान तथा ज्ञान-विज्ञान से समन्वित चरित्राधारित क्षेत्र कार्य मूलक शिक्षा प्रणाली का सूत्रपात कर नभग और स्वामी श्रद्धानन्द ने नई शिक्षा प्रणाली को जन्म दिया। 'नभग' या 'नाभानेदिष्ट' वैदिक साहित्य में एक सहृदय, पितृभक्त, क्रान्तिकारी, समतावादी, न्यायप्रिय तथा जर्जर प्रथाओं के विध्वंसक कवि के रूप में सामने आते हैं। इस युग में महर्षि दयानन्द सरस्वती तथा उनके प्रमुख शिष्य स्वामी श्रद्धानन्द सरस्वती ने शिक्षा के क्षेत्र में ऐसी ही क्रान्ति उपस्थित की थी। श्रद्धा के पुत्र नभग वास्तव में श्रद्धानन्द ही थे।

'नभग' का शाब्दिक अर्थ है, आकाशचारी, आकाश में उड़ने वाला। अतः इस शब्द से जहाँ कल्पना की उड़ान भरने वाले कवि-विचारक का बोध होता है, वहाँ उससे कुशल अभियन्ता, तकनीकी-विशेषज्ञ, प्रवीण शिल्पविज्ञानी तथा वैज्ञानिक-अनुसंधायक होने का भी पता चलता है। इस प्रकार ललित कलाओं तथा विज्ञान के विविध रूपों और उपलब्धियों का बोधक शब्द 'नभग' इस पत्र की मूल भावना को अच्छी तरह व्यक्त कर सकता है। 'नभग' का अर्थ है, व्योम विहारी पक्षी। धरती से उड़कर आकाश में लम्बी उड़ानें भरने वाले पक्षी के पंखों में ऊर्जा से अधिक विश्वास होता है। संकाय का छात्र यदि ज्ञान-विज्ञान के आकाश का कोना-कोना देख लेने का संकल्प लेकर आगे बढ़ेगा तो निश्चित ही उसमें छिपी अनेक संभावनाएं मूर्तरूप ग्रहण कर सकेंगी।

मुझे आशा ही नहीं पूर्ण विश्वास है कि सुप्रसिद्ध रसायनशास्त्री प्रो० रजनीशदत्त कौशिक के कुशल निर्देशन में संकाय के सदस्य और छात्र अपना वही महान् लक्ष्य प्राप्त कर सकेंगे जो भावना इस समाचार पत्र में निहित है। वह नभग नाम का उपयोग कर रहे हैं, यह मेरे लिए प्रसन्नता की बात है।

अनेक शुभकामनाओं के साथ

आचार्य डा० विष्णुदत्त राकेश
डि०लिट०

Editorial



It gives me an immense pleasure to present the inaugural issue of "NABHAG", the monthly news letter of FET. The collection of enthusiastic news and latest innovation and developments in this issue will serve as a guidepost to create awareness in readers and to boost up their confidence.

A persistent augmentation of knowledge has always been a desirable process and so, as an outcome of our students' motivated efforts, we present you the first in the series of tentative newsletters, "NABHAG". The word "NABHAG" has its roots in our Vedas signifying the flight into the sky of opportunities, thus justifying our pursuit of knowledge and wisdom.

The forthcoming newsletters will serve its purpose through an array of news columns and articles reflecting the students' perspective towards any occurrence of an event.

This issue does make the whole editorial board proud. I do hope that you will enjoy reading it. In the end I extend my vote of thanks to our Patron, Advisory Board, Prof. Vishnu Dutt Rakesh and Prof. Virendra Arora for their valuable guidance & kind support in making this News Letter's dream come true.

Dr. Sunil Panwar
Managing Editor

COMPUTER CENTRE



Faculty Computer Centre provides the central computing facility for the students of all branches. It is equipped with the latest hardware platform in terms of IBM x Servers, IBM and Acer Desktop PCs, HP Scanner and Printers coupled with licensed softwares like Windows 2003 Server, MS-Visual Studio.net, Oracle 10g, Cyberoam and e-Scan antivirus and content security. The centre facilitates the two way Internet Access in the faculty through 4 Mbps(1:4) leased line from BSNL and 2 Mbps(1:1) leased line from Reliance Infocomm. The whole campus is wi-fi enabled with 802.11n wireless technology. Faculty of Engineering and Technology is also going to conduct a computer awareness test of UPSC(Uttarakhand Public Service Commission) on oct 1-4, 2010 with the back bone support from computer center.

FACULTY LIBRARY



Faculty Library has been providing its best possible services and facilities to all members & students. With the efforts of Mr. Satrugan Jha (Asst. Librarian) & Mr. Sachin Kaushik (Semi Professional Assistant) along with Mr. Suyash Bhardwaj (Department of Computer Science), Faculty Library has started an "Automated Circulation System", which is first of its kind in G.K.V. and also first in Haridwar city. At present library has more than 20,000 books with a circulation of 30,000 books per annum.

Faculty Hostel

Faculty Hostel is situated in university campus. It has a capacity of approx. 240 students. 1st year students, who belong to different states, take up the facility of hostel together. Hostel mess runs under supervision of a mess committee comprising of students and warden.



Sports Facility

Besides studies, FET focuses on over all development of the students. It gives facilities for different sports like Basketball, Volleyball, Cricket, Table Tennis, Badminton etc. Dr. Dharmendra Baliyan, Incharge sports, keeps on organizing intra faculty sports championships in FET and encourages students to take part in different sports activities.

FACULTY NEWS

- ❖ Prof. R.D. Kaushik, Dean FET delivered keynote address at National Seminar on 'Recent Trends in Chemical Research' organized by Meerut College, Meerut on Sept. 4 - 6, 2010.

Department of Computer Science and Engineering

- ❖ Mr. Mayank Aggarwal, Incharge of the Department of Computer Science & Engineering, was invited as keynote speaker in a seminar on "Industrial Automation of Soft Senses" at Graphic Era University Dehradun on 05 Sept. 2010. He also delivered a talk on "Mobile Agents Securities Issues".
- ❖ Mr. Rohit Verma and Mr. Keshav Prasad - students of 2010 batch (CSE) got highest package through Campus selection in Adobe.
- ❖ Dr. M.S. Aswal got his research paper entitled "Integrated Security Framework for Hybrid Wireless Mesh Networks" published in International Journal of Computer Science & Engineering, Vol 02, No. 04, 2010.
- ❖ Dr. Amit Agarwal, Prof., Deptt. of Computer Science, D.I.T. Dehradun, was invited to deliver lecture on "Data Structures & Applications" on 18 Sep. 2010.
- ❖ Dr. Padam Kumar, Prof., Deptt. of Electronics & Communications, IIT Roorkee, was invited to deliver Expert lecture on "Design & Analysis of Algorithms" on 25 Sep. 2010.

Department of Electrical Engineering

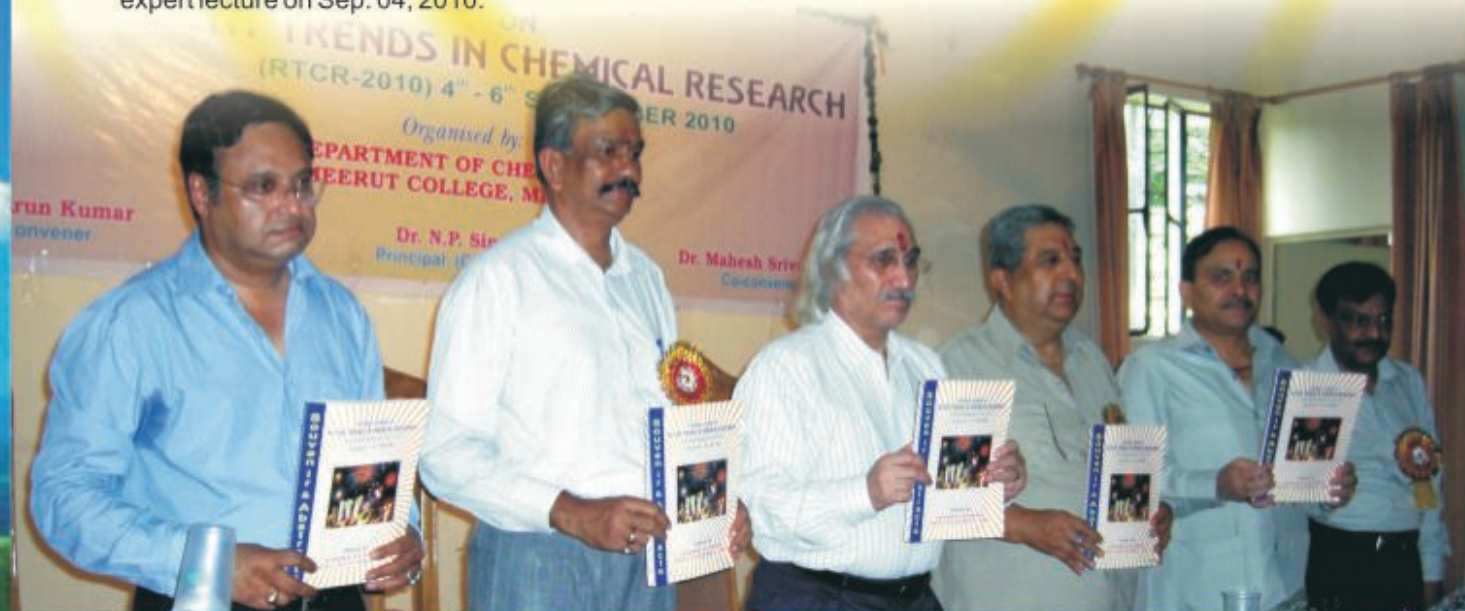
- ❖ Dr. C.B. Vishwakarma Incharge of the Department of Electrical Engineering was awarded Ph.D. degree by IIT Roorkee for his research work on Modern Order reduction and control design.
- ❖ Mr. Akshay Kumar, visited few electrical manufacturing companies in the Month of June-July 2010 for getting information about latest technology such as stat rating transformer pvc technology etc.
- ❖ Dr. C.B. Vishwakarma published three papers in national/international journals and conferences.
- ❖ Four expert lectures were organized.
- ❖ Department conducted technical Quiz for enhancing technical knowledge of the students.

Department of Electronics & Communication Engineering

- ❖ Dr. Manish Malik, from Deptt of Electronics and Communication, Portsmouth University, UK, delivered talks on "Multipath Propagation", on Aug. 27, 2010.
- ❖ Dr. S. S. Pattnaik, Prof. and Head, ETV Deptt. NITTTT, Chandigarh delivered invited talk on "Antenna Definition Characteristics and measurement" on Sep. 3-4, 2010.
- ❖ Dr. R.P.S. Gangwar, Prof. and Head, Electronics & Communication Engg., Deptt. G.B. Pant University, Pant Nagar delivered lecture on Electro Magnetic Fields on Sep. 04, 2010.
- ❖ 'Kshitiz' - a competition event was organized.
- ❖ Mr. Vipul Sharma Incharge of Electronics & Communication Engineering Deptt. was invited as keynote speaker in a seminar on Industrial automation of soft senses at Graphic Era University Dehradun on Sep. 05, 2010. He also delivered a talk on QFDTD (Quadretic Extra polated Finite Deference Time Domain).

Department of Mechanical engineering

- ❖ Mr. Anadi Mishra, Prof., Deptt. of Mechanical Engineering, G.B. Pant University, Pant Nagar was invited for delivering expert lecture on Sep. 04, 2010.



RECENT PLACEMENTS : 2010

In the previous academic year, F.E.T. witnessed the visit of some major companies along with a series of cohesive technical and aptitude tests to select a knowledgeable section of students. The companies included I.T. giants such as Adobe Systems Pvt. Ltd., Dell Perot Systems, Infosys, Accenture and Tech Mahindra etc. Year 2010 had a good start with 23 students placed in Infosys. Tech Mahindra Ltd. soon came into scene and selected about half a dozen of students. Adobe Systems Pvt. Ltd. selected two students with a package of Rs. 5.8 lakhs per annum. Afterwards, a chain of companies recruited many students. These include Mahindra Satyam, NIIT Technologies Ltd., Appentix Technologies Ltd., J.K. Technosoft and Patni Computers.

INFOSYS

Ankur Gupta
Ankur Zutshi
Gaurav Kumar
Nakul Nishant
Nikhil Tiwari
Nitin
Prabhat Ranjan Shukla
Rahul Kumar
Vikram Charva
Amit Kumar
Amitabh Kumar
Ashish Kumar
Bhanu Prakash Gupta
Keshav Prasad
Kumar Abhishek
Navneeth Reddy P.
Neeraj Kumar Singh
Piyush Tiwari
Shanu Swetank
Sumit Bachani
Vaibhav Narain Agrawal

MAHINDRA SATYAM

Bhaskar Thummala
Pranav Kumar
Praveen Chauhan
Rahul Jain
Sandeep Sharma
Abhishek
J. K. TECHNOFT LTD.
Aniket Trivedi
LG SOFT PVT. LTD.
Kamal Kumar Sharma
Durgesh Kumar Singh
ADOBE SYSTEMS PVT. LTD.
Rohit Verma
Keshav Prasad
DELL PEROT SYSTEMS
Amrish Kanodia
Samrat Sankhya
ACCENTURE
Roshan Chandra Das
Saurabh Yadav
APPENTIX TECHNOLOGIES LTD.
Devendra Purwal

TECH MAHINDRA LTD.

Anuj Singhania
Ankit Surolia
Rishabh Gupta
Shiv Pratap Singh

TATA CONSULTANCY SERVICES

Ritu Ranjan
Rahul Jain
Paritosh Singh
Prashant Verma
Akash Goyal
Dhiraj Kumar
Ganesh Kumar

Kamal Kumar Sharma
Rishabh Gupta
Vijay Kumar
Bhrahmdev

PATNI COMPUTERS

Anand Kumar Agarwal
Rahul Jain

NIIT TECHNOLOGIES LTD.

Abhinav Singh

PROF. PATTNAIK DELIVERS A TALK ON ANTENNA THEORY



A two day invited talk on Antenna Theory was organised on Sept. 3-4, 2010. Dr. S.S Pattnaik, the invited speaker from NITTTR, Chandigarh, discussed the intricacies of Antenna Theory. Having patents of national and international repute, Dr. Pattnaik outset his lecture with an interactive session with students taking into account queries like why antenna theory...? why one should opt for it...? and it's prospects and benefits in current scientific community. He started with a conductor and progressed to the amazing world of antennas. Speaking in IEEE terms, Antenna is simply a metallic conductor used for transmitting or receiving electro-magnetic signals. An antenna acts as a transducer as well as an impedance transformer and, it may also be described as a device capable of sending electrons to photons and receiving photons from electrons. Antennas are classified depending on a few characteristics which are as follows

1. Wavelength : LF, HF, VHF, UHF, MF, Microwave.
2. Bandwidth : Narrow Band, Wide Band, Medium Band.
3. Structure : Helical, Dipole, Monopole, Horn, Lens.
4. Polarisation : Linear, Circular, Dual.
5. Applications : Satellite, Radar, Missiles, Mobile.
6. Radiation : Isotropic, Directional, Omnidirectional.

After the classification comes the characterization which decides the performance of an antenna.

1. Physical Parameters: It includes the material used for antennas, the coating material, etc.
 2. Transitional Parameters: It includes the transmission line characteristics such as, mismatch loss, etc.
 3. Free Space Parameters: Power Density, Radiation Intensity, Directivity, Radiation Pattern (Elevation, Azimuth).
 4. Circuit Parameters: Impedance Bandwidth, Return Loss, Input Impedance, Duality, Reciprocity.
- As the figure reveals, there are different types of antennas in use.

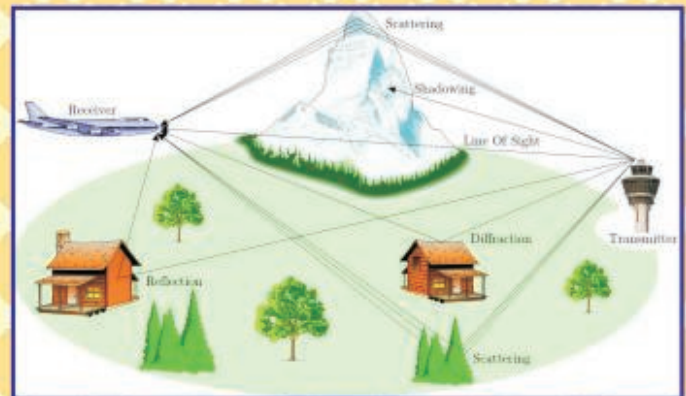


EXPERT LECTURE ON MULTIPATH PROPAGATION : A SUMMARY

A lecture on Multipath Propagation was organised on Aug. 27, 2010 Dr. Manish Malik, from Department of Electronics and Computer Engineering, University of Portsmouth, United Kingdom was the invited speaker. Dr. Malik was on a research trip to our renowned Gurukul Kangri Vishwavidyalaya, Haridwar and is currently working on gurukul ways of learning. Known for its peculiar and effective methodology, Gurukul tradition has spread its wings far to the west and research topic of Mr. Malik bears testimony to this fact. He expressed his gratitude for the warm hospitality and coordination from the university. Dr. Malik was spectacular on the technological front as well. He drew the attraction of students on the topic 'Multipath and Fading : Cause and Solution' with his real life examples and witty conversation. He discussed the problems of multipath and explained the causes as well. But, for the solution part he made the students to come up with their own ideas and they were flying with the answers.

A brief review of what Mr. Malik discussed is being penned down here for all the students giving them an introduction to Multipath Propagation. Basically in wireless telecommunications, multipath is the propagation phenomenon that results in radio signals reaching the receiving antenna by two or more paths. Causes of multipath include atmospheric ducting, ionospheric reflection and refraction, and reflection from water bodies and terrestrial objects such as mountains and buildings. The effects of multipath include constructive and destructive interference, and phase shifting of the signal. This causes Rayleigh fading. The standard statistical model of this gives a distribution known as the Rayleigh distribution.

In radar processing, multipath causes ghost targets to appear, deceiving the radar receiver. These ghosts are particularly bothersome since they move and behave like the normal targets (which they echo), and so, the receiver has difficulty in isolating the correct target echo. These problems can be overcome by incorporating a ground map of the



radar's surroundings and eliminating all echoes which appear to originate below ground or above a certain height.

In digital radio communications (such as GSM) multipath can cause errors and affect the quality of communications. The errors are due to intersymbol interference (ISI). Equalisers are often used to correct the ISI. Alternatively, techniques such as orthogonal frequency division modulation and rake receivers may be used.

The field of Multipath Propagation is very challenging and hence provides a great scope for students working in the field of Antennas. Therefore, if this field seems interesting, you are suggested to go ahead and come out with something innovative.

FET TEAM BAGS THIRD SPOT IN ROBOTICS EVENT AT IIT GUWAHATI TECHFEST



Four member team of B-tech, Third, Second and first year students namely, *Raghvendra Dixit* (ECE), *Prabhakar Kumar* (CSE), *Pankaj Kumar Tripathi* (CSE) and *Gaurav Kumar* (ME) stood 3rd in the robotics event 'Robostunts' in their techfest 'TECHNICHE 2010' held on Sep. 2- 4, 2010 at Indian Institute of Technology Guwahati. The team was represented by the name 'THE CUBE'. They were honored by certificates of achievement and a cash prize of Rs. 7000. A total of 232 teams across the country participated in the event 'Robostunts' including about 100 teams from IIT Guwahati itself.



KSHITIZ : 2010

The advent of new session in the Faculty of Engineering & Technology witnessed a flow of technology, ideas, awareness and expressions amongst the students. KSHITIZ-2010 with the motto 'vision beyond horizons' was held on Aug 27-28, 2010 in the faculty premises under the guidance of *Mr. Vipul Sharma*, the event co-ordinator. The competition focused on giving a platform to the students to show their talent and prove their mettle in IT, Communication Skills and the analytical and logical way of thinking. There were five events held.

EXTEMPORE A two round event recorded a large participation of a hundred and five participants. Nine participants were selected for the final round after undergoing a written and group-discussion test in preliminary round. The final round participants had to express themselves on any random topic given to them on the spot. *Pushp Ranjan* (CSE, 1st year), *Raghav Arora* (CSE, 2nd year) and *Madhur Sareen* (EE, 1st year) bagged the 1st, 2nd and 3rd positions respectively.



SPELLATHON Hundred and twenty four students appeared in the first round which was an objective Q/A round. Ten candidates were selected and grouped in a team of two and put to a vocab-quiz which included rapid fire questions, spellations, etc. First position was secured by the team of *K.Deepak* (ECE, 3rd year) &

Raghav Arora (CSE, 2nd year) followed by the teams of *Harsh Chaubey* (ECE, 3rd year) & *Mayank Kumar* (CSE, 1st year) at second position and *Aditya Pant* (ECE, 2nd year) & *Gagan Umrao* (ME, 1st year) at third position.

MIND MUSING

Recording the maximum number of participants (one hundred and sixty in number), it really mused and tickled the minds of participants. A set of twenty nine interesting and brain teasing questions puzzled the participants.

Gagan Umrao (ME, 1st year) topped the test with *Madhur Sareen* (EE, 1st year) on second spot while *Anuj Mayank* (ECE, 2nd year) and *Ayush Zutshi* (ECE, 1st year) shared the third spot.

Q-NIGMA A general awareness quiz, was split into two rounds. out of seventy five teams only five teams made it to the second round which comprised of audio-visuals, rapid fire, buzzer and direct question rounds. The duo of *Abhishek Anand* (CSE, 3rd year) and *Avinash Kr. Mantu* (CSE, 3rd year) emerged out to be the winners. *Naman Kr. Srivastava* (ME, 2nd year) and *Vivek Kr. Singh* (ME, 2nd year) stood second while *Vinay Kr. Sharma* (ECE, 1st year) and *Avinash Gaurav* (ECE, 1st year) managed to get the third place.

TECHWIZ Unleashing the technocrat in students, this event gave them a chance to show the real engineer within them. *Shashank Shekhar* (ECE, 1st year) was the winner with *Akshay Mathur* (CSE, 1st year) and *Vineet Kr. Singh* (ECE, 3rd year) as first and second Runner-up's.

The winners in each event were awarded with a certificate of merit along with a 4 GB HP pen drive. The participants at second and third positions were awarded certificate of merit as well.



कुल-गीत

प्राणों से हमको प्यारा 'कुल' हो सदा हमारा।
विष देने वालों के भी, बन्धन कटाने वाले।
मुनियों का जन्म-दाता, कुल हो सदा हमारा॥
कट जाये सिर न झुकना, यह मन्त्र जपने वाले।
वीरों का जन्म-दाता, कुल हो सदा हमारा॥
स्वाधीन्य-दीक्षितों पर, सब कुछ बहाने वाले।
धनियों का जन्म-दाता, कुल हो सदा हमारा॥
निज जन्म-भूमि भारत, को क्लेश से छुड़ा कर।
गौरव बढ़ाने वाला, कुल हो सदा हमारा॥
तन-मन सभी न्यौछावर, कर वेद का संदेश।
जग में ले जाने वाला, कुल हो सदा हमारा॥
हिम-शैल तुल्य ऊँचा, भागीरथी सा पावन।
भटकों का मार्ग दर्शक, दुखियों का हो सहारा॥
आजन्म ब्रह्मचारी, ज्योति जगा गया है।
अनुरूप पुत्र उस का, कुल हो सदा हमारा॥

-बुद्धदेव विद्यालंकार



वृक्षारोपण कार्यक्रम

राष्ट्रीय सेवा योजना इकाई ३ एवं ४ के स्वयं सेवकों द्वारा दिनांक २९ अगस्त २०१० को संकाय परिसर में डा० एम.एम. तिवारी व डा० विवेक गोयल कार्यक्रम अधिकारियों के नेतृत्व में वृक्षारोपण किया गया उक्त अवसर पर संकाय के सहायक प्रोफेसर श्री मयंक



अग्रवाल शिक्षकेत्तर कर्मचारियों में श्री वीरेन्द्र सिंह, श्री दीपक नेगी इत्यादि ने भी वृक्षारोपण किया तथा भविष्य में भी इस प्रकार पर्यावरण संरक्षण में योगदान हेतु संकल्प लिया।

राष्ट्रीय सेवा योजना : स्थापना दिवस

संकाय परिसर में दिनांक २४ सितम्बर २०१० को राष्ट्रीय सेवा योजना का स्थापना दिवस हर्षोल्लास से मनाया गया। उक्त अवसर पर संकायाध्यक्ष प्रो० आर० डी० कौशिक ने स्वयं सेवकों के सम्मुख राष्ट्रीय सेवा योजना की उत्पत्ति, आवश्यकता एवं उपयोगिता पर प्रकाश डाला व अनेक छात्रों ने भी अपने विचार व्यक्त किए। कार्यक्रम का संचालन कार्यक्रम अधिकारी डा० एम०एम० तिवारी ने व धन्यवाद ज्ञापन कार्यक्रम अधिकारी डा० विवेक गोयल ने किया। उक्त अवसर पर अनेक शिक्षक एवं शिक्षकेत्तर कर्मचारी उपस्थित थे।

Faculty of Engineering and Technology Gurukula Kangri Vishwavidyalaya

NEWS UPDATE

Expert Lecture by Dr. Manish Malik, Dept. of Electronics & Computer Engg., University of Portsmouth, United Kingdom on 'Multiwave Propagation' held on 27th August '10.

Two day invited Talk on 'Antenna Theory' by Dr. S. S. Patnaik, NITTTR, Chandigarh on 3-4 September '10.

FET robotics team snatches third position in 'Robostunts' at IIT - Guwahati.

Student's General Body Election 2010 Results:
President: Manish Chauhan
Vice President: Ajit Kumar
Secretary: Gokul Kumar
Joint Secretary : Kartikeya
Treasurer: Gaurav Singh

Expert Lecture by Mr. Amit Agarwal, Dept. of Computer Science, D.I.T., Dehradun on "Data Structures & Applications" held on 18 September '10

Invited Expert Talk on "Electro Magnetic Fields" by Prof. R.P.S. Gangwar, Prof. and Head Electronics & Communication Engineering Deptt. of G.B. Pant University, PantNagar on 4 September '10.



Published By Registrar Gurukula Kangri Vishwavidyalaya Haridwar (Uttarakhand) 249404