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### ■ Principal's Column ■



Seasons Greetings to All!

We are now living in an era where mind boggling changes are happening in social, economic, cultural, and technological fields.

Information Technology is insinuating itself into all facets of human life. Even though electronic medium is emerging as the major element in information dissemination, the significance of *written word* is still important. In this context, release of the official newsletter is a major milestone in the history of this great institution. It is intended to give visibility to different activities in the campus.

The world bank aided TEQIP project has changed the ambience and work culture of CET. All departments are gearing up for the forthcoming visit of the NBA accreditation team. In the academic front, as always, our students have cornered most of the top ranks in the Kerala University Examinations. The campus placement record is at all time high. Congratulations to the bright students who brought laurels to the CET. The co-curricular and extra-curricular activities also appear to be moving in top gear, with the 7<sup>th</sup> NCTT and Dhvani-06 in the forefront. The networking activities with other academic and research institutions are also initiated. The MoU signed with IIT Chennai is a good beginning. Still there are miles to go before we rest. I request all the departments to focus their attention in community and tribal development activities so that CET becomes excellent in the real sense.

With best wishes,

Dr. R Ibrahimkutty

CET NEWSLETTER

### MoU with IIT Madras

A Memorandum of Understanding was signed on 03-07-2006, between the Departments of Civil Engineering, IIT Madras, Chennai and College of Engineering, Trivandrum. The MoU was signed by Dr. C Sam, Prof. and Head, Dept. of Civil Engineering, College of Engineering, Trivandrum and Dr. S Mohan, Prof. and Head, Dept. of Civil Engineering, IIT Madras, Chennai in the chamber of Honourable Minister for Education Sri. M A Baby. Sri. P J Thomas IAS, Additional Chief Secretary and Principal Secretary to Government {Higher Education} and Prof. S K Mohan, Director of Technical Education of Kerala were also present to grace the occasion.



This is the first time such MoU is being signed by one of the Departments of IIT with another institution. The period of the MoU is for 5 years and it is expected that the academic ambience of the Department of Civil Engineering, CET will be improved at par with international institutions.

The MoU enables CET to:

- Effectively share the facilities and expertise for improving the capabilities for advanced education and research.

- Facilitate academic and research interactions among faculty and staff of both the institutes.
- Initiate joint research in the frontier areas of Civil Engg; and to establish advanced research facilities in selected areas.
- Jointly develop learning resources, teaching aids, experimental set up etc. for educational and research purposes.
- Exchange of students from undergraduate, graduate, and research scholars.
- Conduct joint/collaborative research and consultancy.

As a part of the MoU, a two-day workshop on networking between the departments of Civil Engg; was held at CET on 7<sup>th</sup> and 8<sup>th</sup> of August'06. A team of six professors from the Dept. of Civil Engg; IIT Madras visited. The activities included progress evaluation of the PG thesis, motivating talks to all under-graduate students, discussions on externally sponsored research projects, presentations by various faculty members, and suggestions on improving the laboratory facilities in the department. Special talks were also made by the professors; 'Academics at IIT, Madras' by Dr. S Mohan, 'Personality & Character Development' by Dr. Devdas Menon, 'Career Prospects in Civil Engineering', by Dr. Veeraragavan and Dr. Sudheer, and 'Research Methodology', by Dr. Koshy Varghese and Dr. K Rajagopal.

### PRIDE OF CET



**Sri. G Madhavan Nair (1966 E)** is presently the Chairman of the ISRO and also the Chairman, Space Commission, and Secretary to Government of India, Department of Space. He is a leading technologist in the field of rocket systems. Under

his leadership eight successful missions have been completed (INSAT-3E, Resourcesat-1, Edusat, Cartosat-1, Hamsat-1, PSLV-C5, GSLV-F1, PSLV-C6). His major thrust is in the implementation of application programmes such as tele-medicine, tele-education, and disaster management systems for meeting the needs of the society.

Sri. G Madhavan Nair is currently the president of the Aeronautical Society of India and Chairman, Board of Intersputnik. He is also the Fellow of the Indian National Academy of Engineering, National Academy of Sciences,

Member, International Academy of Astronautics and Senior Associate, National Institute of Advanced Studies. Government of India has honored him with Padma Bhushan. He has several other awards in credit such as National Aeronautical Award, FIE Foundations Award, Shri. Om Prakash Bhasin Award, Swadeshi Sastra Puraskar Award, Vikram Sarabhai Memorial Gold Medal for Indian Science Congress Association, Dr. Yelavarthy Nayudamma Award-04, Sree Chithira Thirunal Award-06.

Sri. G Madhavan Nair has been conferred with Degree of Doctor of Philosophy / Degree of Doctor of Science (Honoris Causa) from Punjab Technical University (2003), Sree Venketeswara University, Tirupati (2004), IIT Delhi (2004), Indira Gandhi Open University, Delhi (2005), Rani Durgavati Viswavidyalaya, Jabalpur (2005).

### CAMPUS PLACEMENT

The campus placement for the batch passing out in 2007 is in progress. 35 Companies have already visited the institution. Many more have expressed their desire to come. As on date, 801 job offers were received from the leading industries, multi-national software companies, and consultancy groups for our 623 final year students (UG = 487, PG = 136). 521 students received their first job offer, 229 students received their second job offer, and 51 received their third job offer. The offers are listed below.

ABB	12	i- FLEX	6
ACCENTURE	13	INFOSYS	87
ASOK LEYLAND	5	L & T	10
CARITOR	5	MICROSOFT	9
CISCO	6	MIND TREE	42
COMPUTER SCIENCE CORPN.	7	NEST	7
		ONMOBILE	3
COSMIC	3	PCS	12
CTS	227	SOCRATES	8
DELOITTE	14	S&P CONSTRUCTIONS	8
EARNST & YOUNG	1	SYMPHONY	11
ELGI	2	TATAELXSI	10
FIDELITY	11	TCS	46
HCL	15	T.I.M.E.	1
HP	5	T- MAHINDRA	24
IBM	113	US TECH	34
IBS	4	WIPRO	40

### HEARTY CONGRATULATIONS!

- Sri. Manoj J Kammath - Secured 1<sup>st</sup> Rank in B.Tech. Electrical & Electronics Engineering, University of Kerala – May/June, 2006.
- Ms. Vandana L – Secured 1<sup>st</sup> Rank in B.Tech. Civil Engineering, University of Kerala – May/June, 2006.

- Sri. S Rajamohan – Secured 1<sup>st</sup> Rank in B.Tech. Industrial Engineering, University of Kerala – May/June, 2006.
- Ms. Dhanya S Pankaj – Secured 2<sup>nd</sup> Rank in B.Tech. Computer Science & Engineering, University of Kerala – May/June, 2006.
- Sri. Varun, Sri. Suresh, Sri. Shibin K, Sri. Anoop S, Sri. Vivek K P (B.Tech. Computer Science & Engg;) – Received the Red Hat Scholarship 2005-06 (A competition jointly conducted by project Ekalavya of Kanwal Rekhi School of Information Technology IIT, Bombay & Red Hat India PVT Ltd.) for the project ‘MagikFS; The Steganographic File System &#65533’.
- Sri. Giridharan K, Sri. Hari Banarjee, Sri. Jyothis Jayaraj, Sri. Paul P Verghese (S7-Applied Electronics and Instrumentation) – Received the Best Design Award in Robot Design Contest in the Annual All India Technical Fest held at IIT Gauhati, 1<sup>st</sup> - 3<sup>rd</sup> Sep/06. There were about 30 teams from all over the country including IIT's and NIT's.
- Sri. Aaron Joseph George, Sri. Arun K. Nair, Sri. Bobby Sebastian, Sri. Krishnaraj U (S7 Mechanical) – Received Baba Banda Singh Bahadur Engg; College, Fatehgarh Sahib, Punjab National Award for Best B.Tech Project from Engineering Colleges related to sustainable development in Mechanical Engg; for their project ‘Research and Design of Six Stroke Engine’, under the guidance of Sri. K S Sajikumar, Lecturer, Dept. of Mech. Engg;
- Ms. Kavitha Jayaram (S7-Computer Science & Engg;) – Selected as Idea Star Signer (Female), a musical competition programme in Asianet cable TV channel.
- Ms. Asha S (S7-Computer Science & Engg;) – Kerala University Champion in Air Rifle.
- Dr. Bindu G R (Sr. Lecturer in Electrical Engg;) – Presented a technical paper in the 17<sup>th</sup> International Conference on Electrical Machines (ICEM-2006), jointly organized by the University of Athens, Technical University of Crete, Aristotle University of Thessaloniki, Democritus University of Thrace, University of Patras and sponsored by prestigious IEE, IEEE, and Hellenic Ministry held at Crete Island, Greece, during 2-5 September, 2006.

### SHORT-TERM COURSES/TRAINING

- *VLSI tools*: A three day workshop on Mentor Graphics VLSI tools was conducted during 29<sup>th</sup> - 31<sup>st</sup> Aug/06 in the Department of

Electronics & Communication. The workshop sessions were handled by Mr. Sudeep, CG Corel Bangalore. The workshop also had hands on sessions in FPGA advantage, Leonardo Spectrum, and ModelSim. All these tools were recently procured under TEQIP.

- *High Voltage Engineering and Testing*: One week short-term training programme was held from 31<sup>st</sup> July to 4<sup>th</sup> Aug/06 in the Department of Electrical Engineering, under TEQIP. This was coordinated by Prof. S Krishnankutty and Smt. Mabel Ebenezer, Lecturer, EE.
- *Embedded Systems*: A two-week workshop was conducted on Embedded Systems by the Department of Electrical Engineering from 7<sup>th</sup> to 22<sup>nd</sup> Aug/06, under TEQIP. The course was coordinated by Prof. S Krishnankutty and Sri. S Indulal, Lecturer, EE. The department has coordinated eight such short-term courses / workshops during last six months. The faculty includes renowned scientists from VSSC, Sree Chithra Institute of Medical Science, Medical College, Regional Cancer Centre, KSEB, Electrical Inspectorate, NIT Kozhikkode, and eminent professors retired from CET.
- *Special Machines*: A training program on special machines for non-teaching staffs was coordinated by Sri. S R Shine, Lecturer, Dept. of Mech. Engg; from 7<sup>th</sup> to 11<sup>th</sup> Aug/06.

### INVITED LECTURES

- Dr. Kuncheria P Isaac, (Prof. in CE) – delivered a lecture on ‘*Guidelines of PMGSY and preparation of DPR*’ for the training programme by NRRDA at the Dept. of CE, Bangalore University.
- Dr. B Anil, (Prof. in ME) – delivered a lecture on ‘*Renewable Energy; Energy for the Future*’ at NI College of Engg; Thackalay.
- Dr. S Anil Lal, (Asst. Prof. in ME) – delivered a lecture on ‘*Probability Theory*’ at University of Kerala, Kariyavattom.

### TEQIP ACTIVITIES

The world bank assisted Technical Education Quality Improvement Project (TEQIP) is in progress. CET has been allotted assistance to the tune of Rs.32 Crore, highest among all institutions, after a competitive selection procedure, for quality improvement activities. Several laboratories are getting modernized, faculty and staff are trained in various advanced areas, a new block for computer science and central computing facility is under construction,

several community development activities are undertaken, network activities planned with peer institutions, office automation carried out and the broadband connectivity has been established.

- The expenditure for promoting the academic excellence of CET, which includes investment cost (civil works, equipments, furniture, vehicles, books and learning resources, consultant services, research studies, training/ study tours/fellow ships/workshops, etc.,) and incremental operating cost (consumables, operation and maintenance) during the month of Aug/06 is approximately Rs. 8.42 million. The total project allocation for these activities is Rs. 283.99 million.
- The Dept. of EE has been coordinating two major works in the campus under TEQIP.
  1. Installation and Commissioning of 320kVA standby Diesel Generator.
  2. Complete electrical rewiring of the main building in the campus.

### COMMUNITY SERVICES

- 20 numbers of Pentium-IV Computer systems used in the Dept. of Computer Science & Engg; were donated to the Government Polytechnic, Kaduthurithi and Central Polytechnic, Trivandrum for their Hardware and Software laboratories.
- Special training programmes were offered on *Quality Control & Quality Assurance* for the benefit of organized community sector, by Prof. Kuncheria P Isaac, Dept. of CE, and on *Advanced Welding Technique and Aluminium Fabrication* for the benefit of unorganized community sector, by Prof. B Anil, Dept. of ME. 100 persons got the benefits of it.
- A course on *Auto CAD (levels – I & II)* of total duration 125 hrs was offered by Sri. S R Shine, Lecturer, Dept. of ME, about 36 persons got the benefits of it.

### EDUSAT

A memorandum of understanding for Indo-US Inter University Collaborative Initiative in Higher Education and Research was signed during the visit of Honourable Prime Minister of India, Dr. Manmohan Singh to Washington DC on July 20, 2005. As per the agreement, six leading US Universities deputed eminent faculties to teach full fledged Engineering Subjects to Engineering Colleges all over India. CET was one of the recipient institutions and an MOU was signed between ISRO/Govt. of India

for this purpose. An E-learning classroom was set up in CET with V-SAT, computer, and projector equipments. The students of our college attended the lectures delivered by the faculty of US Universities live from Amritha Vishwa Vidyapeetham.

### ZONASA – 06 ‘METAMORPHOSIS’

The Dept. of Architecture, hosted the second **ZONASA** (Zonal National Association of Students of Architecture) convention 2006, christened as ‘METAMORPHOSIS’, from 12<sup>th</sup> to 14<sup>th</sup> Aug; the first being in 2000. The convention was inaugurated by Ar. David Tollas. About 673 delegates and staff from 16 colleges participated. The technical sessions included seminars by Ar. Sasikala Bhooshan on ‘*Beyond Function*’, Ar. Chitra Viswanath on ‘*Ecological Architecture*’, Ar. David Tollas on ‘*Acrosanti - the Fusion of Architecture with Ecology*’, Sri. Rajiv Anchal on ‘*Jadayu*’, the biggest sculpture of Asia that is coming up in Chadayamangalam, Sri. Suresh K Nair on ‘*Mural Painting*’, M/s Toonz Animation on ‘*3D Modeling in Maya*’, Sri. Vinu Daniel on ‘*Ferro cement channeling*’. The events also included quiz, debate, structural design, collage, graffiti, clay modeling, poster design, jewellery design, and T-shirt design. Sri. M A Baby, Honourable Minister for Education, was the chief guest during the valedictory function to present the GEFAB gold medal to the best outgoing Architecture student.

### DHWANI - 06

South India level intercollegiate cultural festival, Dhvani-06, is being organized during 28<sup>th</sup> Sep-1<sup>st</sup> Oct. in the campus. Students from several institutions in the South India are participating in about 55 different items. Radio Masala, Design Show, Movie Trailer Show are some new hits. One major attraction of the event is ‘*Dhwani Idol*’ – a competition for selecting the best singer. The main sponsor of the event is IBS.

### FORTH COMING EVENTS

The 7<sup>th</sup> *National Conference on Technological Trends (NCTT-06)* will be held at CET on 17<sup>th</sup> and 18<sup>th</sup> November-2006. Organizing Secretary - Dr. B Anil, Professor, Dept. of Mech. Engg; For details visit: <http://www.nctt.torque.co.in>

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