



# CAMPUS COMMUNIQUÉ

A monthly news letter of National Institute of Technology Tiruchirappalli

Volume: 2

January 2007

Issue:1

## From the Director's Desk

*It is noteworthy to appreciate the efforts of you all in building the Campus learning center of excellence in all dimensions. The canteen and cafeteria are being upgraded. New Library building work has been started. The new laboratory spaces are built for Automobile lab in Mechanical Engg, Transportation lab in Civil Engg, Process modeling, computer lab and tribology lab for Metallurgy Engg, Process control lab for Chemical Engg, Operations Management, Mechatronics, CIM and Precision Engg Lab in Production Engg. New Research Laboratories are added in Physics and Chemistry Departments. New Lecturers are encouraged with a sanction upto rupees 50,000 as research grants for establishing their research proposal. Alumni secretariat and the office of alumni affairs is functioning with fully furnished and equipped office in the administrative building. Alumni of 1980 Class has awarded four scholarships to NITT students. 1970 Batch has forward to give similar scholarships from ensuing academic year. An Alumni Day is being planned in grand way and distinguished alumni will be awarded on that day for their excellences in academic, research, public and corporate life. To increase the industry interaction few more MOUs with TataElxi, TCS, Robert Bosch are envisaged.*

- PROF M CHIDAMBARAM



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## TEQIP ACTIVITIES

- Dr. N. Sulochana, Professor & HOD, Department of Chemistry undergone training at Mercer University, 3001 Mercer University Drive, Atlanta GA – 30341-4155, USA for a period of one month from 02/12/2006 to 04/01/2007.
- Dr.P.Bala Srinivasan, Lecturer, Department of Metallurgical and Materials Engineering, visited International Advanced Research Centre for Power (ARCI), Metallurgy & New Materials, Balapur-P.O, Hyderabad from 4<sup>th</sup> December to 15<sup>th</sup> December 2006.
- Mr.M.Bhaskar, Senior Lecturer, Department of Electronics and Communication Engineering visited Intel Technology India Pvt. Ltd., 136, Airport Road, Bangalore from 6<sup>th</sup> December to 8<sup>th</sup> December 2006
- Mr.G.Nagasubramanian, Department of Humanities visited Shri Dharmasala Manjunatha College of Engineering, Dharwar, Karnataka. on 8th December 2006
- Dr.D.Sastikumar, HOD / PHY, Dr.J.Sarat Chandra Babu, Asst. Professor / CHL, Dr.P.Sathiya, Lecturer / PRO, Dr.M.Ashok, Lecturer/PHY, Dr.M.C.Santhosh Kumar, Lecturer / PHY attended training on MEMS and Smart Structures from 11<sup>th</sup> December to 16<sup>th</sup> December 2006.
- Dr.V.Muthupandi Asst. Professor, Department of Metallurgical and Materials Engineering visited Composites Technology Centre, Indian Institute of Technology Madras, Chennai – 600 036 from 18<sup>th</sup> December to 7<sup>th</sup> January 2007.
- Mr.N.Ramesh Babu, Lecturer, Department of Metallurgical and Materials Engineering attended training on MEMs and Micro/Nano Systems Technology for Bio-Implants and Bio Applications IIT Kharagpur, Kolkata Campus from 28<sup>th</sup> December to 30<sup>th</sup> December 2006.

## TEQIP Programmes under community services

- Control of Unstable Systems for engineering college faculty on 1<sup>st</sup> & 2<sup>nd</sup> December 2006
- Nanomaterials Properties and Applications on 2<sup>nd</sup> & 3<sup>rd</sup> December 2006
- Safety and Stress Management for engineering faculty on 8<sup>th</sup> December 2006
- Environment and Hygiene for engineering faculty on 9<sup>th</sup> December 2006
- Recent Advances and Challenges of Biotechnology Processes for teachers of Engineering and Science colleges on 15<sup>th</sup> & 16<sup>th</sup> December 2006
- Experiments in Fundamentals of Physics for school teachers on 17<sup>th</sup> December 2006
- VLSI implementation of Digital Radio Transceivers from 29<sup>th</sup> December 2006 to 31<sup>st</sup> December 2006



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## **AWARDS AND DISTINCTIONS**

- AICTE career award for young teachers is offered to Dr N Kumaresan of Electrical engineering. The scholarship worth is Rs 10.5 Lakhs.
- Best Paper award in the international conference on E –governance IIT Delhi for the paper titled “Rural Developments through internet Kiosks” authored by Dr G Kannabiran, Xavier M J and T Bhanumathi of Management studies
- G E foundation scholar leader program has awarded two scholarships to PG students of Mechanical Engineering. Each Scholarship amount is 2.46 Lakhs
- NIT, Tiruchirappalli was awarded HUDCO TROPHY and LOUIS.I.KHAN TROPHY at SYNERGY ,The 49<sup>th</sup> Annual NASA Convention .
- K.Viswanathan Iyer (Coach);Prasanna Sankaranarayanan, Aditya Murthy and Siddharth Gopal(Contestant); are selected for 31<sup>st</sup> Annual ACM International Collegiate Programming Contest World Finals sponsored by IBM. Hosted by ACM Japan Chapter and IBM Tokyo Research Lab, the competition will be held March 12-16,2007, at the Hilton Tokyo Bay in Japan.

## **Sponsored Research Projects**

- Naval Research Board (NRB) of Defence Research Development Organisation New Delhi has sanctioned a project titled “Corrosion behaviour of Super Duplex and Super Austenitic Stainless Steel weldments in marine environments”. The project investigators are Dr.V.Muthupandi and Dr.P.Balasrinivasan. Total estimated fund for the project is Rs.22,48,250. (2006-2009)

Department of Science and Technology New Delhi has sanctioned the following projects for the period of 2006-2009.

- 1) “Nano porous hydroxyapatite nano composite for tissue engineering applications”. The project investigator is Dr.M.Ashok Department of Physics. Total estimated fund for the project is Rs.9,78,000. (2006-2009)
- 2) “Online control of multivariable process using soft computing” Dr. N.Sivakumaran, Department of Instrumentation and Controls Engineering , NIT Trichy-15. Total estimated fund for the project is Rs.9.48 Lakhs



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## **Role Statement for Head of the academic department**

- Develop a clear vision and direction for the department
- Maintain and enhance academic programmes: UG and PG Classes, Cycle Test Examinations conduction and performance analysis, grade finalization within the prescheduled date and time.
- Provide appropriate feedback to students on the results of evaluation and consequential course and teaching changes
- Develop priorities for research promotion in the department in consultation with colleagues
- Actively promote the dissemination of the research activities and achievements in the department through regular research seminars
- Allocate teaching, research and service duties, and ensure that there is a fair distribution of academic and teaching responsibilities and workload in the department
- Delegate academic administrative and management responsibilities to staff in an appropriate manner to promote collegiality, co-operative team management, enthusiasm, and a collective ownership of the department's aspirations and achievements
- Ensure that Academic Performance Reviews and General Staff Development Reviews are conducted annually
- Conduct departmental meetings, and ensure that all staff are informed and consulted as appropriate over Institute, Faculty and departmental matters
- Develop plans and strategies for the improvement of resource utilization (staff, space, equipment)
- Develop interdepartmental cooperation

## **Conference Presentations:**

- Michael Arock and R.Ponalagusamy, A parallel Solution for the Unconstrained Maximal Elements Problem; Proc: Int. Conf. Advanced Computing and Communications, NITK, Surathkal, INDIA, pp. 12-15, held during 20-23 Dec 2006 (IEEE press)
- E.S.Gopi, Lecturer, Department of Electronics and Communication "Brain Computer Interface Analysis Using Wavelet Transforms and Auto Regressive Coefficients" Proceedings of the 4<sup>th</sup> International Conference on Electrical & Computer Engineering, Dhaka, Bangladesh held during 19-21 December 2006 .(IEEE press).