



नववर्ष की शुभकामनाएँ

श्रीमती इन्द्रा प्रभा सक्सैना की ओर से तथा स्वयं अपनी ओर से, मैं इस संस्थान के सभी वर्गों—छात्रों, अध्यापकों, कर्मचारियों तथा उनके परिवार जनों को सुख और समृद्धि दायक नववर्ष के आगमन पर हमारी हार्दिक शुभ—कामनाएँ अभिव्यक्त करता हूँ।

रुड़की
29, दिसम्बर 2010

शु. प्र. सक्सैना
(एस.सी. सक्सैना)
निदेशक

New Year's Greetings

On behalf of Mrs. Indra Prabha Saxena and on my own behalf, I wish to convey our hearty greetings to all sections of the Institute community - the students, the teachers, the employees and their families for a Happy and Prosperous New Year.

Roorkee
29 December, 2010

Saxena
(S.C. Saxena)
Director

MIED Students Team brings laurels to the Institute



A team of students of Mechanical and Industrial Engineering Department of the Institute participated in the "EFFICYCLE EVENT 2010" organized by Society of Automotive Engineers (SAE) INDIA at University Institute of Engineering and Technology, P.U., Chandigarh from October 23 to 24. The objectives of the event comprised of designing, fabricating and validating a human power driven vehicle, capable of seating two persons, catering to the day-to-day mobility needs. Eighteen teams from various engineering colleges



and institutes across India participated in the competition which was aimed to utilize engineering technologies for a greener and cleaner future. Our team comprising of third year and fourth year students, sponsored by ASME Roorkee Section participated with the entry, titled "SeiGer" meaning winner in German. Our entry secured the first position in "Utility and Maneuverability Event" conducted during the competition and were awarded a cash prize of ₹ 20,000/- (Rupees Twenty thousand) besides the certificates.



International Workshop on River Management

Indian Water Resources Society, Roorkee and the Department of Water Resources Development and Management, IIT Roorkee jointly organized the International Workshop on River Management during December 14-16, 2010 at NASC Complex, New Delhi. Prof. S. C. Saxena, Director IIT Roorkee and Shri A. K. Bajaj, Chairman CWC were the Patrons of the Workshop. Hon'ble Union Minister for Water Resources Shri P.K. Bansal inaugurated the workshop. In the inaugural function, Chairman of Central Water Commission Shri A.K. Bajaj and several leading international river experts from University of Iowa, Colorado State University and US Army Corps of Engineers from USA, Friedrich-Schiller University from Germany, Swiss Federal Institute of Technology Lausanne from Switzerland, ICIMOD from Nepal and the Newcastle University and University of Nottingham from the UK, besides professionals from Indian organizations from the different parts of the country were present. Shri P.K. Bansal in his inaugural speech congratulated Prof. Nayan Sharma, Chairman Organizing Committee, IWRM 2010 and his team for organizing this workshop in timely manner to address burning issues of river management related to bank erosion, flooding and environmental sustainability for adoption by the end-users. He hoped that the outcome of the workshop shall

directly contribute towards developing durable strategy to effectively tackle the chronic flood and erosion problems of our country resulting in better river management. Shri Bansal called upon the experts to

help tame the river systems for harnessing the water resources to sustain high level economic growth.

The IWRM 2010 workshop covered the technical sessions on climate change and hydrologic response of river system, flood control, river management for stream bank erosion, catchment area processes and stream flow, river behavior management, environmental and eco-system management and trans-boundary river management.



Chief Minister of Assam Shri Tarun Gogoi in the Valedictory function of International Workshop on River Management, 14-16 December, 2010 at New Delhi

Hon'ble Chief Minister of Assam, Shri Tarun Gogoi was the

Chief Guest of the Valedictory Function of the IWRM 2010. He was highly impressed by the feedback received from high level International Experts, Indian engineers and delegates of the IWRM 2010. In his speech he urged upon the scientists and experts to evolve affordable innovative solutions and strategy to deal with the complex phenomena of river management including bank erosion and flooding in several states of India namely Assam, West Bengal, Bihar, Orissa and Andhra Pradesh besides others.

Participation in Conferences / Workshops / Seminars / Symposia

- Prof. S. C. Saxena, Director attended the PAN IIT-2010 conclave held from 29th to 31st October, 2010 at Greater Noida, The focus of the conclave was "Sustainable Transformation: Our New India". The conclave was attended by a large number of PANIIT Alumni including a large number of alumni of IIT Roorkee.
- Prof. S.C. Saxena, Director Chaired a Committee of the Ministry of Labour & Employment, Govt. of India, for the Prime Minister Shram Awards on 15th December, 2010 at the Directorate General of Factory Advice Service and Labour Institute, Mumbai.
- Professor Amiya K. Ray Department of Paper Technology attended the 2010 Annual Meeting of the American Institute of Chemical Engineers held at Salt Lake City, Utah, USA between November 7-12, 2010. AIChEs national meetings are amongst the most prestigious and best attended Chemical Engineering Meetings in the World. He presented the following papers at the sessions in the Forest & Plant Bioproducts Division (Division 17 of AIChE) as listed below:
 - "Evaluation of Quality of Agricultural Residue Based Coated Papers Using Plackett Burman Statistical Design" in session Biobased Materials IV, 9th November, 2010.
 - "Heat Transfer Model in Calendar Nip-Verification From Experimental Data on Agricultural Residue Based Coated Paper" in session Biobased Materials IV, 9th November, 2010
 - "Eco-Friendly Utilization of Hazardous Pine Needle Waste for the Production of paper in session Forest Products Biorefinery Feedstock and Logistics ,9th November, 2010.
 - "Predicting Coating Color Formulation for Paper and Paperboard with Statistical Experimental Design" in session Biorefinery-Improved Utilization of Co-Products From Biorefinery , 11th November, 2010
- "Modeling, Simulation and Control of Activated Sludge Process in Effluent Treatment Plant of Tropical Hardwood and Bamboo Based Kraft Paper Mill" in session Biorefinery-Sustainability, Energy and Environmental.
- Dr. Durga Toshniwal, Assistant Professor, Dept of Electronics & Computer Engg, attended the 1st International Conference on MetaComputing (ICoMeC 2010) held at National Institute of Oceanography, Goa during Dec 16-17, 2010 and presented her research paper entitled, "Clustering Multi-dimensional Data Stream Objects using Multi-core Architecture CUDA, and also received the Best Research Paper Award for it.
- Dr. Kamlesh Chandra, Prof., Department of Metallurgical and Materials Engineering attended the 3rd International Conference of Recent Advances in Composite Materials (ICRACM-2010) held on Dec 13-15, 2010 at Limoges, France and presented two papers (posters) viz. 1). Microstructure and Mechanical Properties of P/M processed short steel fibre reinforced Aluminum Matrix Composites; 2). Microstructure and Mechanical Properties of P/M processed hot powder preform forged steel used in heavy duty brake pads applications.
- Dr. Rajat Rastogi, Assistant Professor, Department of Civil Engineering, attended 9th International Workshop Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC) - 2010: Towards Sustainability' held at IIT Bombay during December 15-17, 2010. He presented a paper entitled 'Planning for Pedestrians' in Technical session VI and Chaired Technical session IV.
- Dr. R. Balasubramanian, Assistant Professor, Department of Mathematics, presented a paper entitled "Complex Wavelet Transform with Vocabulary Tree for Content Based Image Retrieval" in the Seventh Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP' 10) held at IIT Madras during December 12-15, 2010.



OFFICE MEMORANDUM

The Director is pleased to make the following appointments for a period of one year w.e.f. 1st January 2011 to 31st December 2011.

A Deans :

- | | |
|---------------------------------------|--------------------------------|
| 1. Dean, Academic Studies | : Prof. Ashwani Kumar |
| 2. Dean, Academic Research | : Prof Surendra Kumar |
| 3. Dean. SRIC | : Prof. J.D. Shaima |
| 4. Dean, Faculty Affairs | : Prof. H.O. Gupta |
| 5. Dean, Administration | : Prof G.S. Srivastava |
| 6. Dean of Students Welfare | : Prof. N.K. Goel |
| 7. Dean, Saharanpur Campus | : Prof. I. M. Mishra |
| 8. Dean. Finance & Planning | : Prof. Pradeep Kumar, MIED |
| 9. Dean Alumni Affairs | : Prof S.P. Gupta* |
| 10. Associate Dean, Faculty Affairs | : Prof Praveen Kumar, CED |
| 11. Associate Dean Academic | : Prof. Manoj Kumar Arora, CED |
| 12. Associate Dean (SRIC) | : Prof. Pradeep Bhargava, CED |
| 13. Associate Dean (Mess) | : Prof. S.P. Srivastava |
| 14. Associate Dean (Discipline) | : Prof S. P. Sharma |
| 15. Associate Dean (Foreign Students) | : Prof M.L. Kansal |

*Prof. S.P. Gupta will take the charge of Dean Alumni Affairs after relinquishing the charge of Dean of IIT Mandi. Till then, Prof. H. Sinhal will continue to look after the responsibility of Dean Alumni Affairs of IIT Roorkee.

B. Head of Departments :

- | | |
|--------------------------------------|------------------------------|
| 1. Architecture & Planning | : Prof. Pushplata |
| 2. Bio-technology | : Prof. Ritu Barthwal |
| 3. Civil Engineering | : Prof. A. K. Jain |
| 4. Chemical Engineering | : Prof I. D. Mall |
| 5. Chemistry | : Prof V. K. Gupta |
| 6. E. & C. Engg. | : Prof. S. N. Sinha |
| 7. Electrical Engg. | : Prof. Vinod Kumar |
| 8. Earthquake Engg. | : Prof. H. R. Wasan |
| 9. Earth Sciences | : Prof. P. K. Gupta |
| 10. Hum. & Social Sciences | : Prof. S. P. Singh |
| 11. Hydrology | : Prof. Himanshu Joshi |
| 12. Mathematics | : Prof. (Mrs.) Rama Bhargava |
| 13. Mechanical & Industrial Engg. | : Prof. S.C. Sharma |
| 14. Met. & Mat. Engineering | : Prof. P. K. Ghosh |
| 15. Management Studies | : Prof. V. K. Nangia |
| 16. Physics | : Prof. A. K. Jain |
| 17. Paper Technology | : Prof. Satish Kumar |
| 18. Water Resource Dev. & Management | : Prof. Nayan Sharma |

Head of Academic Centres :

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|---------|------------------|
| 1. AHEC | : Dr. Arun Kumar |
|---------|------------------|

Head of Centre of Excellence :

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| 1. Centre for Trans. System | : Prof. S.S. Jain |
| 2. Disaster Mitigation & Management Centre | : Prof. D. K. Paul |
| 3. Centre of Nanotechnology | : Prof. Anil Kumar |

Head of Academic Service Centres :

- | | |
|-------------------------------------|------------------------|
| 1. Continuing Education Centre | : Prof. Vinod Kumar |
| 2. Institute Computer Centre | : Prof. Padam Kumar |
| 3. Information Superhighway Centre | : Prof. Padam Kumar |
| 4. Institute Instrumentation Centre | : Prof. A.K. Chaudhary |

C. Professor-in-Charges :

- | | |
|-------------------------|-----------------------|
| 1. Security | : Prof. Sandeep Singh |
| 2. Training & Placement | : Prof. P.K. Jain |
| 3. Communications | : Prof. S.N. Sinha |
| 4. Guest House | : Prof. R.P. Singh |
| 5. Transportation | : Prof. Sandeep Singh |

D. Chairmen :

- | | |
|--------------------------------|---|
| 1. Library Advisory Committee | : Prof. Ravi Bhushan |
| 2. Hospital Advisory Committee | : Prof. D. K. Nauriyal |
| 3. A.C.C. | : Prof. D. K. Mehra
(upto 31.05.2011) |
| 4. E & W. | : Prof V. K. Gupta (CED) |
| 5. Community Dairy | : Prof. V. K. Agrawal (Chem.)
(for two yrs. w.e.f. 04.04.2010) |

Vice-Chairmen :

- | | |
|--------------------------------|----------------------|
| 1. Estate & Works (Civil) | : Dr. Akhil Upadhyay |
| 2. Estate & Works (Electrical) | : Dr. Barjeev Tyagi |

E. Coordinators :

- | | |
|----------------------------------|------------------------|
| 1. Quality Improvement Programme | : Prof. Vinod Kumar |
| 2. Educational Technology Cell | : Prof. Bikash Mohanty |
| 3. I.P.R Cell | : Prof. P. K. Ghosh |

The contributions made by outgoing Deans, Associate Deans, Heads of Departments, Professors-in-Charges, Vice Chairman and others have been deeply appreciated.

Honours and Awards

- Prof. S.C. Saxena, Director received "Outstanding Contribution to Higher Education in India" award given by the 18th Business School Affair & Dewang Mehta Business School Awards on 24th November, 2010 at Mumbai.
- Prof. S. C. Saxena, Director was honored as Outstanding Engineering Personality in the event "Glimpses of Engineering Personality" in the 25th Indian Engineering Congress Organised by the Institution of Engineers (India) on 17th December, 2010 at Kochi.
- Prof. A.K. Ray, DPT was welcomed by Chair of the forest Products Division of the American Institute of Chemical Engineers. Dr. Jeffrey Dean Lindsay to recognize and thank him for the five excellent presentations in various technical sessions sponsored at the Annual Meeting of the American Institute of Chemical Engineers in Salt Lake City. Utah, USA, Nov. 8-12, 2010. He was further invited to join Annual Business Meeting and Division Dinner on Nov. 10, where many of the leaders and members were pleased to meet Dr.

Ray, who was recently elected as first International Director for the Forest Bioproducts Division. Prof. Ray was invited to give a short speech there looking forward to increased involvement between AIChE and Chemical engineering in India.

- Dr. Priti Maheshwari, Assistant Professor, Department of Civil Engineering has been appointed as Member of Editorial Board of International Journal of Geotechnical Engineering, J. Ross Publishing, USA for a period of three years since Oct. 2010.

Book Published

Dr. Binod Mishra. Assistant Professor in the department of Humanities & Social Sciences has published a book on translation studies. The details of the book are as under:
Mishra, Binod. (Ed.) *Spindle and the Wheel: Reliving Text and Context in Translation Studies*. New Delhi: Adhyayan Publishers & Distributors. 2010



Consultancy Projects

w.e.f. 26.11.2010 to 25.12.2010 (Above Rs.1.00 lac or More)

- **Dr. R.P. Saini, AHEC, Performance Testing of Gurhan Small Hydro Project (1.5 MW) in Mandi District, HP,** Director, Sarbari Enterprises Pvt. Ltd., Nr. Sainik Rest House, The Mall, Solan, HP, Rs. 4.00 lacs
- **Dr. U.C. Kothiyari, CED, Design of Guide bund for bridge on river Markanda, P.W.D. Naraingarh, Haryana, Rs. 2.00 lacs.**
- **Dr. Bhupinder Singh, CED, Design of Pile Foundation, Garrison Engineer (Project), MES, Dehradun, Rs. 1.40 lacs.**
 - **Design of Pile Foundation, XEN, ECDD, Muzaffarnagar, Rs. 1.00 lac.**
- **Dr. Vipul Prakash, CED, Design of Bridge over Sipla River, Executive Engineer, Construction Division, PWD, Roorkee, Rs. 4.00 lacs.**
- **Dr. Umesh Kumar Sharma, CED, Proof Checking of Structural Design of ROB, PWD, Uttarakhand, Rs. 1.75 lacs.**
- **Dr. Mahendra Singh, CED, Slope Stability Studies for Vishnugad Pipalkoti H.E. Project, Rs. 12.00 lacs.**
 - **Laboratory Studies for Vishnugad Pipalkoti Reservoir Stability Analysis, AGM (Design), THDC India Limited, Rishikesh, Rs. 3.00 lacs.**
- **Dr. A.A. Kazmi, CED, Upgradation of Existing UASB based STPs in Noida, Chief Maintenance Engineer (Jal), NOIDA, Rs. 15.00 lacs.**
- **Dr. J. Prasad, CED, Studies on Alternative Materials/ Construction/ Storage Systems for Food Grains, Central Warehousing Corporation, New Delhi, Rs. 13.50 lacs.**
- **Dr. Satish Chandra, CED, Design of JMF for Mota Mahadev - Bhagguwala Marg, Executive Engineer, Construction Division, PWD, Bijnor, Rs. 1.00 lac.**
 - **Field Tests on BM/SDBC for density, Executive Engineer, PWD, Ukhimath, Rs. 2.40 lacs.**
 - **Field Tests on BM/SDBC Layers, Executive Engineer, Construction Division, PWD, Kapkot, Rs. 1.76 lacs.**
- **Dr. M. Parida, CED, Quality Audit of Retro Reflective Road Signages on various Delhi PWD Roads, Executive Engineer, PWD Division, M-112, New Delhi, Rs. 10.00 lacs**
 - **Quality Audit of Different Roads of PWD Ramnagar, Executive Engineer, Construction Division, PWD, Ramnagar, Nainital, Rs. 1.25 lacs.**
- **Dr. S. Mittal, CED, Soil Investigations & Recommendations of Foundations for Bridge, PWD Roorkee, Rs. 3.38 lacs.**
 - **Soil Tests for Buildings in Indirapuram, Ghaziabad, GDA, Ghaziabad, Rs. 2.00 lacs.**
- **Dr. S.S. Jain, CED, Design of Job Formula Development of State Highway Bihar P-4 Masaurhi Road Patna, Assistant Engineer, PSVY Project Sub Division CPWD, Patna (Bihar), Rs. 1.15 lacs.**
- **Dr. I.D. Mall, CHD, To Review the Technical EIA Guidance Manuals (TGM) (1) Petrochemical complexes (2) Petrochemical based processing, M/s IL&FS Ecosmart Ltd., Hyderabad, Rs. 1.00 lac.**
- **Dr. Dharmendra Singh, ECD, Analytical & Simulation Studies for Through Wall Imaging Radar (TWIR), LRDE, DRDO, Bangalore, Rs. 9.00 lacs.**
- **Dr. Pramod Agarwal, EED, Design of Active Harmonic Filter, M/s SAI Electricals, Meerut, Rs. 1.50 lacs.**
- **Dr. Ashwani Kumar, EQD, Site Specific Design Earthquake Parameters for Seismic Design of Power Plant Structures for Auraiya Gas Power Project, Stage-II (1400 MW), Rs. 5.00 lacs.**
 - **Site Specific Design Earthquake Parameters for Seismic Design of Power Plant Structures for Faridabad CCPP, Stage-II (1050MW), NTPC Ltd., Noida, Rs. 5.00 lacs.**
 - **Site Specific Seismic Study for Seismic Design of Power**

Plant Structures for Ratnagiri Power Station Stage-II, Phase-I (1500 MW), Ratanagiri Gas and Power Private Limited, Lodhi Road, New Delhi, Rs. 5.00 lacs.

- **Dr. R. Anbalagan, ESD, Detailed Study and Remedial Measures for Pooled House, PWD, Rudraprayag, Rs. 6.00 lacs.**
- **Dr. S.P. Harsha, MIED, Root cause analysis and suggest remedial actions for high vibration problem in circulating water pumps at 2x250 MW Chhabra Thermal Power Plant, Punj Lloyed Ltd., Gurgaon, Rs. 7.00 lacs.**
- **Dr. M.L. Kansal, WRD&M, Vetting of Design of underground 2 No. reservoirs, M/s Shiv Construction Co., 2120, Urban Estate, Jind, Haryana, Rs. 1.40 lacs.**
- **Dr. Deepak Khare, WRD&M, Area Drainage and Hydrology (Surface and Ground) study for Super-Critical Coal Based Power Plant proposed at ADRA, Design Private Limited, Greater Kailash - II, New Delhi, Rs. 17.00 lacs.**
- **Dr. D. Das, WRD&M, Checking & Reviewing of the DPR for Lohar Khet SHP with augmented Capacity, Parvatiya Power Ltd., JMG House, Panchsheel Nagar, Raipur (C.G.), Rs. 2.50 lacs.**
- **Dr. S.K. Jain, WRD&M, Water assessment Study for Setting up of Rail Neer Plant, Ambernath, IRCTC, Bank of Baroda Bldg. 16 Parliament Street, New Delhi, Rs. 4.50 lacs.**

Report of the Silver Jubilee Alumni Meet-2010

I.I.T. Roorkee Alumni Association organized Silver Jubilee Alumni Meet-2010 for the pass outs of 1985 batch and B.Arch. 1986 batch on December 25 and 26, 2010. 69 Silver Jubilee Alumni participated in the meet along with their families. They were felicitated during the 61st Annual General Body Meeting of the Association held on December 25. The Jubilee Alumni also visited Roorkee School for Deaf on December 26 where they gave donations for the school whole heartedly.

Sponsored Research Projects

w.e.f. 26.11.2010 to 25.12.2010 (Above Rs. 5.00 Lac or More)

- **Dr. M.R. Maurya, Professor, Chemistry Department, Synthesis, reactivity, structure elucidation and catalytic aspects of vanadium complexes, DST, Rs. 40.84 lacs.**

Retirement (December 2010)

- 1- Dr. A.K. Pachauri, Professor, Earth Science
- 2- Dr. R. Mitra, Professor, E & CE
- 3- Dr. Kamlesh Chandra, Associate Professor, MMED
- 4- Sri Devadutta Das, Professor, WRDM
- 5- Dr. G.C. Kaushal, Professor, MMED
- 6- Dr. G. Bhattacharjee, Professor, Chemistry
- 7- Dr. V.P. Singh, Professor, DPT
- 7- Sri D.V. Singh, Supdt. (Steno) Ministerial
- 8- Sri Jabbar Hussain, Sr. Attdt., WRD&M
- 9- Sri S.N. Bharadwaj, Supdt. DPT

हिन्दी का प्रयोग स्वाभीमान जाग्रत करता है।

Matter for **Samvaad** may be sent at samvaad@iitr.ernet.in
Samvaad can also be seen at www.iitr.ernet.in

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