



QIP Workshop cum Training Program for the Establishment of Database of ECGs Recorded from Healthy Native Indian Population

The Department of Electrical Engineering organised a Workshop on May 17-18, 2008 to launch a major initiative of recording ECG of healthy Indian population for developing a reliable data base. The Workshop was inaugurated by Prof. S. C. Saxena, Director. The main resource person was Prof. Peter W. Macfarlane, Professor of Electrophysiology, Univ. of Glasgow, UK.



Prof. Macfarlane and Prof. Saxena exchanging the MoU

IIT Roorkee and University of Glasgow, UK signed a Memorandum of Understanding in April 2008 to form a nucleus for excellence in research in the field of Biomedical & Clinical Engineering. Under this MoU, IITR & UoG have agreed to collaborate in the area of electrocardiography through joint efforts to establish a database of ECGs recorded from healthy Indian individuals since no such database is available. Prof. Peter W. Macfarlane of UoG and Prof. Vinod Kumar of IITR will be coordinating this project.

Under the above project Prof. Peter Macfarlane has gifted three ECG machines ATRI6100 to IITR for recording the ECG data. It is planned that ECGs will be collected by three centers i.e. IIT Roorkee, SGGS Institute of Engineering & Technology, Nanded and National Institute of Technology, Jalandhar to take care of variance in ECGs across India. The expertise in these three collaborating Institutes will allow ECGs to be collected in a standardized form.

The Workshop was attended by Doctors of Roorkee Hospitals and Himalayan Institute, Jolly Grant, researchers of IITR, and researchers of other institutions and invited guests. Professor Surendra Kumar, Dean Finance & Planning presented the MoU for exchange between the Director and Prof. Macfarlane.

Prof. S. C. Saxena appointed Part-Time Director on the Board of THDC

President of India has appointed Prof. S. C. Saxena, Director, IIT Roorkee, as non-official Part-Time Director on the Board of Tehri Hydro Development Corporation Limited (THDC) for a period of three years with effect from the date of assumption of the charge.

Training Programme on Pre-Engineered Buildings

The Indian Society for Construction Materials & Structures (ISCMS), Roorkee has organized a Short Term Training Programme on **Pre-Engineered Buildings** on **May 20, 2008** at the Prof. O. P. Jain Auditorium, IIT Roorkee. Sri Sunil Kumar Singh, IAS, Joint Secretary (Housing), Ministry of Housing & Urban Poverty Alleviation, Govt. of India was the Chief Guest and Prof. S. C. Saxena, Director, Indian Institute of Technology, Roorkee presided over the Inaugural function.

Forthcoming Events

Event	Organized by	Period
Science & Technology Congress 2008	Centre of Excellence in Disaster Mitigation & Management	Nov. 10 - 11, 2008
International Conference on "Inland Navigation and Water Transport- Opportunities & Challenges"	Centre of Excellence in Transportation Systems	Dec. 09 - 10, 2008



Honours and Awards

Dr. Arun K. Saraf, Professor, Department of Earth Sciences, delivered an invited talk entitled "Remote Sensing and GIS Applications in Natural Disaster Management" in the Lal Bahadur Shastri National Academy of Administration (LBSNAA), Mussoorie on April 15, 2008.

Dr. Navneet Arora, Associate Professor, Department of Mechanical and Industrial Engineering has been nominated as outside expert on Board of Post Graduate Studies and Research for a period of two years at Guru Jambheshwar University of Science and Technology, Hisar (Haryana).

Mr. Gaurav Bhatnagar, Research Scholar, Department of Mathematics received "The best paper award" in the Second International Conference on 'Cognition and Recognition (ICCR-2008)' held at Mysore from April 10-12, 2008, for his research paper entitled "A new robust logo-watermarking scheme based on Image Fusion" co-authored with Dr. R. Balasubramanian, Assistant Professor, Department of Mathematics.

Dr. R. K. Dutta, Assistant Professor, Chemistry Department delivered two invited talks at DAE-BRNS Seminar cum Workshop on 'Materials Characterization and Surface Modification in Research and Industry using Ion Accelerators (MCIA)', organized by the Institute of Physics, Bhubaneswar held during March 31 - April 04, 2008. The topics of his lectures were (a) Accelerators for Biosciences and (b) Combination of proton beam writing and nanoimprinting lithography for fast prototyping of micro and nanostructures.

Dr. A. K. Saxena, Professor Department of Electronics & Computer Engineering has been nominated as a member of Research Advisory Committee of C-DAC, Noida. His name has also been included as an Honorary Member of the Editorial Board of the International Journal of Bio Sciences and Technology.

Dr. Kailas L. Wasewar, Assistant Professor, Chemical Engineering Department has been nominated as Honorary Member of Editorial Board of International Journal of Biosciences and Technology.

Dr. Satyendra Mittal, Associate Professor, Deptt. of Civil Engg. has been nominated Member of Technical Committee of Bureau of Indian Standards for the Sectional Committee of CED 43 (Soil and Foundation Engg. Sectional Committee).

Governor's Trophy Won by I.I.T. Roorkee



Sri Salek Chand, I.E., receiving Trophy from His Excellency Shri B. L. Joshi, Governor of Uttarakhand

Flower Show "Colours of Spring 2008" was organized at Raj Bhawan, Dehradun on March 8, 2008. I.I.T. Roorkee won the "**G O V E R N O R ' S C H A L L E N G E R T R O P H Y**" for the Best Performance among all Institutes and Organizations of Uttarakhand continuously **Third time** and secured 1st place by winning 30 Prizes.

IIT Roorkee has also won following prizes in various flower shows of the year 2007-08.

Sl. No.	Date	Name of Organization / Institute	Total Prizes
1.	08.12.2007	BEG & C (Chrysanthemum show)	46 Nos.
2.	24.02.2008	N.I.H.	40 Nos.
3.	13.03.2008	C.B.R.I.	43 Nos. 3 Nos. Trophies
4.	16.03.2008	BEG & C (Pushpavali 2008)	46 Nos.

ISIS 2008 BUSINESS PLAN COMPETITION

Science & Technology Entrepreneurship Park (STEP), Roorkee through its Entrepreneurship Development Cell (EDC), organized a National Level Business Plan Competition, ISIS 2008, on 13th April, sponsored by IIT Roorkee - alumni Mr. Pankaj Kumar of Geodesic and Mr. Pradyumna Misra. The objective of organizing such competitions was to encourage budding engineers, technocrats and managers to come up with their innovative ideas for establishing business enterprises. About 120 business plans were received out of which finally 10 plans were shortlisted. The participating teams were from IIT Roorkee, IIT Kanpur, IIT Delhi, IIM Calcutta, JSS Noida, S. P. Jain Institute of Management and Research, NIT Trichy, IRMA-Anand, and CABM Pantnagar.

The first prize in ISIS 2008 was awarded to Ashish Saxena, Chirag Jain and Abhinav Kumar of Agribusiness Management, Pantnagar. Prem Prakash and Tapendu Mandal of IIT Kanpur won the second prize while Puneet Singh Jaggi of IIT Roorkee came third. Professor S. C. Saxena, Director, IIT Roorkee and Chairman, Governing Body of STEP, Roorkee congratulated the winners and distributed the prizes. In his address to the participants, he extolled the virtues of entrepreneurship and its significance in the prosperity of the country. The business plans were judged by a panel of entrepreneurs- experts comprising of Mr. Avnil David of Ojas Ventures, Mr. Sanjay Nagi, Founder, Market Insight, Ms. Amar Aujla, Founder and CEO, Ideawicket.com, Mr. Harshavardhan Dayal, Manager (Financial Advisory Services), Price Waterhouse Coopers, New Delhi, Mr. Atreya Rayaprolu, Vice President, Intellectap, Mr. Pankaj Sharma, Co-Founder, Lead Invent.

Professor Devadutta Das, Coordinator, STEP welcomed the guests and apprised them about the activities of STEP Roorkee in spreading the entrepreneurship culture amongst the student community of IIT Roorkee and also at the national level through it's activities round the year.



Dr. N. K. Samadhiya, CED, *Bearing Capacity for Foundation Design of Tehsil Residences at Baghat*, Project Manager, UP Projects Corporation Ltd., Saharanpur, Rs. 1.60 lacs.

Dr. S. S. Jain, CED, *Design of Job Formula for Development of State Highways in the State of Bihar*, Executive Engineer, RSVY Project, Bhagalpur, Rs. 1.80 lacs *Quality Assurance Work of the Widening of NH-87 and four lane road at Pantnagar*, Executive Engineer, Project Unit (SIDCUL), Pantnagar, Rs. 5.82 lacs.

Dr. Satish Chandra, CED, *Checking of Quality of CC and PC Works*, Temporary Division, PWD, Rishikesh, Rs. 2.88 lacs.

Dr. S. S. Jain, CTRANS, *Benkelman Beam Deflection & Traffic Volume Studies for Strengthening of a portion of NH-10*, Executive Engineer, PWD, F-133, Nangloi, Delhi-41, Rs. 2.15 lacs.

Dr. D. K. Paul, EQD, *Vetting of Stability of Dyke and Retaining Wall*, Jaiprakash Associates Limited, Village Malothi, P.O. Chhakon Tehsil, Sardar Distt. Bilaspur (H.P.), Rs. 1.00 lacs *TATO-II Hydroelectric Project-Site Specific Study For Establishing Seismic Parameter*, SNC-Lavalin Engineering India Pvt. Ltd., Mahipalpur, National Highway- 8 New Delhi, Rs. 5.00 lacs

Site Specific Design Earthquake Parameter Study of Demwe Upper and Demwe Lower Project (1200 MW) Lohit District, Arunachal Pradesh, Energy Infratech Private Limited A-297, Sushant Lok Phase-I, Gurgoan, Rs. 7.50 lacs *Site Specific Seismic Design Parameters for Seismic Design of Power Plant Structure at Meja Tehsil of Allahabad in Uttar Pradesh*, Rs. 5.00 lacs *Site Specific Design Earthquake Parameters for Tanda Thermal Power Project, U.P.*, Rs. 5.00 lacs, NTPC Limited, 7, Industrial Area, Lodhi Road, New Delhi

Site Specific Seismic Design Parameters for Panan Hydro Electric Project, North Sikkim, Himagiri Hydro Energy Private Limited, Panchsheel Park, New Delhi, Rs. 5.00 lacs *Site Specific Seismic Study for 4000 MW Krishnapatnam Ultra Mega Power Project (KUMPP) Nellore, Andhra Pradesh*, Reliance, Coastal Andhra Power Limited, 2nd Floor, M-68, Greater Kailash-1, New Delhi, Rs. 5.00 lacs.

Dr. R. P. Gakkhar, MIED, *Gravity Ropeway System Design for Garhwal Mandal Vikas Nigam*, General Manager Projects, Garhwal Mandal Vikas Nigam Ltd., Dehradun, Rs. 1.50 lacs.

Prof. Ram Pal Singh, WRD&M, *Design of Earthen Section/Spillway of Lower Rohini Project*, S.E., Irrigation Construction Circle, Jhansi, Rs. 20.00 lacs

Design of Earth Dam of Kachnauda Dam Project, Superintending Engineer, I.C.C., Jhansi, Rs. 7.50 lacs.

Dr. Nayan Sharma, WRD&M, *Brahmaputra River Erosion and its Control*, National Disaster Management Authority, New Delhi, Rs. 28.92 lacs.

Sponsored Research Projects

w.e.f. 26.03.2008 to 25.05.2008 (Above 5.00 Lac or More)

Dr. Vijaya Agarwala, Prof., Met. & Mat. Engg. Department, *Development of TiAl based intermetallic matrix Composites for prospective space applications*, ISRO Bangalore, Rs. 9.56 lacs.

Dr. Davinder Kaur, Asstt. Prof., Deptt. of Physics and Centre of Nanotechnology, *Synthesis & Characterization of functional Nanostructures for MEMS & Optoelectronic Applications*, Ministry of Communications and Information Technology, New Delhi, Rs. 484.00 lacs.

Dr. Indra Vir Singh, Asstt. Prof., Mech. & Ind. Engg. Deptt., *Development of Elasto Plastic Element Free Galerkin Code*, Deptt. of Atomic Energy, BRNS, BARC Mumbai, Rs. 16.76 lacs.

Dr. Vivek Kumar, Asstt. Prof., Deptt. of Paper Technology, *Employment generation through making value added product from pine needles fibers in Uttarakhand Hills*, National Council of Rural Institutes, Hyderabad, Rs. 18.60 lacs.

Dr. R. K. Dutta, Asstt. Prof., Chemistry Deptt., *A Quantitative Study on Uptake of Toxic Heavy Metals in Escherichia Coli Cells*, BRNS, Mumbai, Rs. 20.58 lacs.

Dr. Kamaluddin, Prof., Chemistry Deptt., *Hematite water system on Mars and its possible role in chemical evolution*, ISRO, Bangalore, Rs. 24.70 lacs.

Dr. P. S. Mishra, Prof., Met. & Mat. Engg. Deptt., *To Develop and Characterize Iron Phosphorous Based Alloys by Powder Forging*, DRDO, New Delhi, Rs. 43.80 lacs.

Dr. Pravindra Kumar, Asstt. Prof., Biotechnology Deptt., *Structural Studies of Biphenyl Dehydrogenase from Comamonas testosteroni Strain B-356*, CSIR, Rs. 10.70 lacs.

Dr. R. Anbalagan, Prof., Earth Sciences Deptt., *"National Geotechnical Facility" at Punch House Campus of Survey of India, 11-C, Circular Road, Dehradun*, DST, Rs. 1149.33 lacs.

Dr. Pradeep Bhargava, Prof., Civil Engg. Department, *Creep and Shrinkage Studies on B50A20 grade Concrete used in the Inner Containment (IC) of Kudankulam Nuclear Power Project (KKNPP)*, Nuclear Power Corporation of India Ltd., Mumbai, Rs. 15.38 lacs.

Dr. A. A. Kazmi, Asstt. Prof., Civil Engg. Department, *Pilot Plant Study for Organics, Nitrogen and Coliform Removal in Sequencing Batch Reactor (SBR)*, Ministry of Environment & Forest, New Delhi, Rs. 11.50 lacs.

Dr. G. K. Singh, Prof., Electrical Engg. Department, *Design and Analysis of Self-Excited Six Phase Induction Generator for Stand-alone Renewable Energy Generation*, CSIR, Rs. 16.26 lacs.

Dr. Satish Chandra, Prof., Civil Engg. Department, *Pedestrian Behavior under Varied Traffic and Spatial Conditions*, CSIR, Rs. 15.46 lacs.

सेवानिवृत्त

(अप्रैल - मई, 2008)

- 1- डा0 नरेन्द्र सिंह, सहायक प्रोफेसर, एम0 आई0 ई0 डी0
- 2- श्री सहदेव, दफ्तरी ग्रेड- I, एम0एम0ई0डी0
- 3- श्री रति राम, वरिष्ठ परिचर, सी0ई0डी0



Consultancy Projects

w.e.f. 26.03.2008 to 25.05.2008 (Above Rs.1.00 Lac or More)

Dr. D. K. Paul, EQD, Seismic Analysis for Dam Foundation System for Vishnugadh- Pipalkoti H.E. Project (444-MW), Tehri Hydro Development Corporation Ltd., Ganga Bhawan, Pragatipuram, Bypass-Road-Rishikesh, Rs. 7.10 lacs. **Seismic Stability Analysis of Mullaperiyar Dam-Part-I,** Rs. 3.00 lacs. **Seismic Stability Analysis of Mullaperiyar Dam-Part-II,** Rs. 4.00 lacs. **Seismic Stability Analysis of Mullaperiyar Dam-Part-II,** Rs. 3.58 lacs., Chief Engineer, Irrigation Projects-1, Civil Station, Kozikode-20, केन बेतवा लिंक परियोजना की विस्तृत परियोजना प्रतिवेदन (डी०पी०आर०) तैयार करने के सम्बन्ध में, राष्ट्रीय जल विकास अभिकरण, सुरेश नगर, ठाटीपुर, मध्य प्रदेश, Rs. 5.00 lacs.

Dr. P. K. Ghosh, MMD, Use of SAILMA Steel for Pressure Shaft, Mr. P. K. Yadav, DGM-EDRC Hydel ECC Div. L & T Ltd., 12/4 Delhi Mathura Road, Near Sarai Khawaja Chowk, Faridabad, Rs. 1.20 lacs.

Er. Arun Kumar, AHEC, Performance Testing of Dhelabagh SHP Station (2x500 kW) in Bihar, BSHPC, Sone Bhawan, Birchand Patel Marg, Patna, Rs. 3.00 lacs.

Dr. R. P. Saini, AHEC, Performance Testing of Nasriganj SHP Station (2x500 kW) in Bihar, BSHPC, Sone Bhawan, Birchand Patel Marg, Patna, Rs. 3.00 lacs.

Shri R. K. Jain, Arch. & Planning, Civil Hospital Ranikhet, PWD Ranikhet, Rs. 1.02 lacs.

Dr. Z. Ahmad, CED, Design of Storm Water Drainage for SIDCUL Pantnagar, Executive Engineer, Project Unit (SIDCUL) PWD, Pantnagar, Rs. 1.60 lacs.

Dr. S. K. Ghosh, CED, DPR of Rae Chatkeshwar Lake Pithoragarh, Uttarakhand Tourism Development Board, Dehradun, Rs. 8.00 lacs.

Dr. U. C. Kothiyari, CED, Hydrological Feasibility Studies for Rae Chatkeshwar, Rs. 2.50 lacs. **Hydraulic Design for Works on Rae Chatkeshwar,** Rs. 8.00 lacs., Uttarakhand Paryatan Vikas Parishad, Dehradun.

Prof. Parveen Kumar, CED, Scrutiny of PMGSY Proposals for Uttarakhand for Phase VI, National Rural Roads Development Agency, Govt. of India, New Delhi, Rs. 3.51 lacs.

Prof. M. K. Mittal, CED, River Training Works for the Road Bridge on Dhela River, Moradabad, Executive Engineer, Provincial Division, P.W.D. Moradabad, Rs. 2.00 lacs.

Dr. Vipul Prakash, CED, Design of 54 M Span Steel Girder Bridge Over Yamuna, Executive Engineer, Lok Nirman Vibhag, Barkot, UK, Rs. 2.70 lacs.

Dr. A. K. Jain, CED, Proof Checking of Fitness Centre & Pavillion Bldg. for CWG 2010, Executive Engineer, Delhi Development Authority, New Delhi, Rs. 2.60 lacs.

Dr. Satish Chandra, CED, Post Construction Tests on Roads in Thatude, Executive Engineer, Temporary Division, PWD, Thatude, Rs. 2.37 lacs.

Dr. Mahendra Singh, CED, Geotechnical Investigations of DPR of Rae Chatkeshwar Lake, Pithoragarh, Uttarakhand Paryatan Vikas Parishad, Patel Nagar, Dehradun, Rs. 4.00 lacs.

Dr. S. S. Jain, CED, Quality Assurance Work of Aurbindo Marg, PWD Division M-111, Delhi, Rs. 1.87 lacs.

Dr. Umesh Sharma, CED, Determination of Screening / size factor for concrete mix, A.G.M. Koteswar Hydro Electric Project, Koteswarpuram, Rs. 1.02 lacs.

Dr. V. K. Goel, MIED, Study on Aerodynamic Behaviour of Passenger Train and Development of Aerodynamic Profiles of Coaches and Locomotives to Reduce Wind Resistance, R.D.S.O. Lucknow, Rs. 17.27 lacs.

Er. Arun Kumar, AHEC, Performance Testing of Upper Awa Hydro Power project (2x2.5 MW) Near Palampur, HP, Astha Projects (India) Limited, Plot No. 226, Phase-III, Jubilee Hills, Hyderabad, Rs. 5.00 lacs.

Dr. G. Ramasamy, CED, Design of Transmission Line Foundations Moradabad, Executive Engineer, U.P. Power Corporation Ltd. (UPPCL), Moradabad, Rs. 1.50 lacs.

Dr. N. M. Bhandari, CED, Load Worthiness of Structure of 4 Shops for Proposed EOT Cranes, AGM (PMG), CFFP, BHEL, Haridwar, Rs. 5.25 lacs.

Dr. Bhupinder Singh, CED, Proof Checking of Design for CT Golden Group Jalandhar, Tech-Pecific, Jalandhar, Rs. 1.76 lacs.

Prof. V. K. Gupta, CED, Structural Design of Sadhak Block, Muni Ki Reti, Rishikesh, General Secretary, The Divine Life Society, Rishikesh, Rs. 1.50 lacs.

Vetting of Structural Design of Proposed 190 m long Continuous Girder Bridge, Executive Engineer, Construction Division, Dugadda, Laxmangarh, Rs. 4.00 lacs

Vetting of Structural Design of Proposed 190 m long Continuous girder bridge over River Alaknanda at Srinagar Garhwal, Executive Engineer, Construction Division, PWD, Srinagar Garhwal, Rs. 9.50 lacs

Third Party Quality Assurance for Construction of two lane bridge at Garudchatti, Lakshman Jhula, Executive Engineer, Construction Division, Dugadda, Garhwal, Rs. 5.00 lacs.

Dr. U. C. Kothiyari, CED, Location and Hydrological/ Mathematical Studies of Bridges on River Ganga, Jaiprakash Associates Limited, New Delhi, Rs. 30.00 lacs.

Dr. Umesh Kumar Sharma, CED, Proof Checking of Retaining Wall over Culvert, SOMA Enterprises Ltd., Hyderabad, Rs. 2.00 lacs. **Non Destructive Testing of Office Building,** Project Manager, Gangajal Project, U.P. Jal Nigam, Agra, Rs. 1.50 lacs.

Dr. Z. Ahmad, CED, Discharge measurement of five Bore Wells Pumps, S. K. Gupta, 23, Adarsh Vihar Colony, Delhi Road, Saharanpur, Rs. 1.50 lacs.



Participation in Conferences/Workshops/Seminars/Symposiums

Dr. Priti Maheshwari, Civil Engineering Department participated in the Second Indo-American Frontiers of Engineering Symposium (IAFOE), held at the National Academies' Beckman Center in Irvine, California, February 27 - March 1, 2008.

Dr. R. Balasubramanian, Assistant Professor, Department of Mathematics, presented a paper, "A 'Look and Move' Algorithm for Tracking Unknown Path" in IEEE Conference on Applications of Intelligent Systems (IEEE-AIS-2008), held in Sonapat during March 13 -15, 2008. Mr. Gaurav Bhatnagar Research Scholar also presented a paper, "A new Contrast Based Image Fusion using Wavelet Packets" there.

Dr. Neelesh Kumar Jain, Assistant Professor, Mechanical and Industrial Engineering Department delivered FIVE lectures on the topics of Computer Integrated Manufacturing (CIM), Automation, Computer Aided Manufacturing (CAM), and Computer Aided Process Planning (CAPP) in a Short-Term Training Program on CAD/CAM for Polytechnic Teachers of Uttarakhand during March 11-15, 2008, organized at STEP IIT Roorkee.

Dr. D. C. Singhal, Professor, Hydrology

- attended International Workshop on "A Decision Support Tool for Groundwater Management in Hard Rock Aquifers in Semi-arid Regions", held in Hyderabad (A.P.) between March 3-5, 2008. He also chaired the Concluding and Round Table Sessions in the above workshop.
- organized one short term course on 'Mathematical Modelling of Groundwater Systems' for Officers of CGWB, Faridabad from March 24 to April 5, 2008. The course was attended by 15 participants drawn from CGWB offices located in various parts of the country.
- attended All India Seminar on Sustainability of Groundwater Development & It's Effective Management, held in Brahmapur, Orissa between April 19 to 20, 2008. He delivered a key note address on "Groundwater Resource of India: Present Scenario and Sustainable Development" during the inaugural session of the Seminar which was inaugurated by Sri Chandra Sekhar Sahu, Union Minister of State for Rural Development, Govt. of India, New Delhi.

Prof. Nawal K. Agrawal, Emeritus Fellow, Department of Electronics and Computer Engineering, attended International Conference of Radio Science "ICRS-2008" at Jodhpur from Feb. 27-29, 2008 and presented a paper, "Effect of Different Regular shapes with Multilayer Coating of Absorbing Materials for RCS Reduction at X-Band" and received second best paper award in the Conference.

Dr. M. L. Kansal, Professor, Water Resources Development and Management Department:

- attended a Lead - User Workshop on Urban Water Supply at MIT, Cambridge, USA held during Feb. 29 - March 2, 2008.

- visited ENGEES, Strasbourg, France during March 5-6, 2008 and delivered a lecture on "Reliability Analysis of Urban Water Supply Schemes".
- attended and presented a paper on "Issues and Challenges of Flood Management in Jakarta City of Indonesia" during an International Seminar on "Management and Mitigation of Water Induced Disasters", held during April 21-22, 2008 at Kathmandu, Nepal. He also participated as an Expert in the panel discussion.

Dr. S. C. Sharma, Associate Professor, DPT chaired technical sessions in the following four conferences:

- International Conference on 'Intelligent Systems & Network (ISN -2008)' ISTK, Klawad, Haryana, February 22-24, 2008.
- National Conference on 'Issues and Challenges in Internet & Mobile Computing', IMR, Ghaziabad, March 28, 2008.
- IEEE National Conference on Application of Intelligent Systems (AIS-2008). HCE, Sonapat, March 13 -15, 2008.
- National Conference on Services Management, MAIMT Jagadhri, April 26, 2008.

Dr. Millie Pant (PI), lecturer in Maths, DPT, has been sanctioned a DST Project of Rs. 13,97,000/- entitled 'Study for Assessment, Estimation and Prevention of Non-Point Source Ground Water Contamination in Fuzzy Environment using Genetic Algorithms and applying High Performance Computing'. Prof. Kusum Deep, Maths Department is the Co-Principal Investigator.

Prof. V. P. Singh, DPT chaired a technical session in the 11th Punjab Science Congress, held at Thapar University, Patiala, February 07-09, 2008.

Following research papers were also presented in the Congress:

- **Deepak Kumar**, Millie Pant and V. P. Singh, "Numerical Solution of Brown Stock Washer Problems in Paper Industry".
- **Musrrat Ali**, Millie Pant and V. P. Singh, "Numerical Comparison of Some Modified Differential Evolution Algorithms".
- **Radha**, Millie Pant and V. P. Singh, "Application of Particle Swarm Optimization in Electrical Engineering".
- **Sunil Kumar**, V. P. Singh and **Rajendra Kumar**, "System of Roche Coordinates of a Stellar Model Distorted By Differential Rotation".

Dr. Kailas L. Wasewar, Assistant Professor, Chemical Engineering Department delivered an invited Lecture on "Intensification of Recovery of Propionic Acid By Reactive Extraction", in National Conference On Clean Technology And Cleaner Production, Deen Bandhu Chottu Ram University of Science and Technology, Murthal, 8-9 May, 2008.



NOTIFICATIONS

No. Estt.(A)/1063/E- 44407 dated : May 07, 2008

The Director is pleased to appoint Dr. Manoj Kumar Arora, Professor, Department of Civil Engineering as the Chairman, GATE - 2009, with immediate effect.

No. IITR/MS-45/1881 dated : May 12, 2008

The Dy. Director of the Institute will be the First Appellate Authority, for the purpose of preferring appeals under Section 19 of the Right to Information Act-2005. The details of the First Appellate Authority and the Public Information Officer are as under :

First Appellate Authority :

Prof. H. K. Verma

Dy. Director

Indian Institute of Technology Roorkee

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No. Estt.(A)/1115/E- 44407 dated : May 22, 2008

On the recommendation of Dr. Manoj Kumar Arora, Chairman, GATE - 2009, the Director is pleased to approve the following appointments for GATE - 2009 and JAM - 2009:

1- Prof. V. K. Gupta, Vice-Chairman, GATE-2009 / JAM - 2009, Deptt. of Civil Engg.

2- Prof. Manoj Mishra, Vice-Chairman, GATE-2009 / JAM - 2009, Deptt. of E & CE

Further, Professor Manoj Kumar Arora will also be the Chairman, JAM-2009 alongwith Chairman GATE - 2009.

No. Estt.(A)/1117/D-63(III) dated : May 23, 2008

On the recommendation of Dr. P. S. Mishra, Chairman, Community Dairy, the Director is pleased to appoint Dr. Naveen Kumar, Assistant Professor in Biotechnology Department as Deputy Chairman (Admn.) Community Dairy in place of Dr. Vikas Pruthi, Assistant Professor in Biotechnology with immediate effect.

ABN excels again

Adarsh Bal Niketan, IIT Roorkee again got 100% result in CBSE Class X Examination for the fourth consecutive year. It's five students obtained more than 90% marks, 34 students got more than 75% marks and 66 students secured more than 60% marks. From this year onwards ABN has added a new scholarship of Rs. 1000 per month for the students getting more than 90% marks in class X. It will result in zero fee for them while studying in class XI & XII. In class XII also fifteen students have secured more than 75% marks.

कृपया ध्यान दें

Your attention please

- संविधान के अनुच्छेद 343 के अनुसार संघ की राजभाषा हिन्दी रहेगी और उसके अनुच्छेद 351 के अनुसार हिन्दी भाषा की प्रसार-वृद्धि करना और उसका विकास करना, ताकि वह भारत की सामासिक संस्कृति के सब तत्वा की अभिव्यक्ति का माध्यम हो सके, संघ का कर्तव्य है।

Under article 343 of the Constitution, Hindi shall be the official language of the Union, and under article 351 thereof it is the duty of the Union to promote, the spread of the Hindi Language and to develop it so that it may serve as a medium of expression for all the elements of the composite culture of India.

- अनुच्छेद 350 के अनुसार किसी शिकायत के निवारण के लिये प्रत्येक व्यक्ति को संघ या राज्य के किसी पदाधिकारी या प्राधिकारी को यथास्थिति, संघ म या राज्य में प्रयोग होने वाली किसी भाषा म अभिवेदन देने का हक होगा।

Article 350 provides that every person shall be entitled to submit a representation for the redress of any grievance to any officer or authority of Union or a State in any of the languages used in the Union or in the State, as the case may be.

- हिन्दी म पत्रादि के उत्तर, केन्द्रीय सरकार के कार्यालय से हिन्दी म दिये जायग । (राजभाषा नियम संख्या 5)

Communication from a Central Government office in reply to communications in Hindi shall be in Hindi. (Official Language Rule no. 5)

- भारत सरकार द्वारा प्रोन्नत अथवा स्थापित स्वायत्त निकाय तथा पंजीकृत सोसाइटियां संघ के अभिकरण हैं तथा संविधान के अनुच्छेद 343 के कार्य-क्षेत्र में आती हैं। {राजभाषा विभाग कार्यालय ज्ञापन संख्या 1/14013/09/99-रा.भा.(नीति-1) दिनांक 19.12.1999}

The autonomous bodies and registered societies promoted or set up by the Government of India are instruments of the Union and come within the purview of Art. 343 of the Constitution. {Department Of Official Language O. M. No.1/14013/09/99-O.L. (Policy) Dt.19-12-1999}

राजभाषा अधिनियम और इन नियमों के उपबन्धा के अधीन जारी किये गये निदेशों के समुचित रूप से अनुपालन म सभी का सहयोग प्रार्थनीय है।

Cooperation of all is requested to properly comply with the provisions of the Official Language Act and direction issued under these rules.

-संस्थान राजभाषा कार्यान्वयन समिति-

- Institute's Official Language Implementation Committee -

संसार को भोगिये परन्तु त्याग भावना के साथ ।

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IIT Roorkee (For internal circulation only)

Designer & Printer :

Jain Printing Press, RKE Ph. : 262722, 269999 Mob. : 9837506234

