Summer Camp 2005 at IIT Kanpur
Scaling heights with Civil Engineering

For the fifth successive year, the Department of Civil Engineering, Indian Institute of Technology (IIT) Kanpur, under its industry-academia interaction programme conducted Summer Camp 2005 from 8th June — 5th July 2005. The agenda, was to offer selected second-year Civil Engineering undergraduate students of various engineering colleges from across the country, a glimpse of the breathtaking vistas of the civil engineering profession, with its romance and challenges.

This was accomplished through exposing the students to various academic and extra-curricular activities comprising a series of lecture-presentations from distinguished civil engineering professionals from the industry and the academia, video shows on some major civil engineering projects, group discussions, debates, and assignments. The highlight of Summer Camp 2005 was field trip to New Delhi to see various civil engineering projects of excellence.

While at IIT Kanpur, the participants also had opportunity to see the state-of-the-art facilities being currently used in various laboratories including the precision instruments employed in Geoinformatics, construction materials, such as lunar concrete that will be used to build structures on the moon, bacterial concrete that is self-repairing, smart concrete that can assess the vehicle weight on expressways, new techniques in corrosion-resistant steel being used in RCC, polymer-based waterproofing techniques, and the dynamic test facilities to study earthquake resistance of structures. In a nutshell, each of the participants from different engineering colleges of the nation was exposed to the whole spectrum of civil engineering — the state-of-the-art technology, machinery, testing equipment, construction materials, and quality control methods, which are being employed in the modern world today.

Summer Camp 2005 provided a platform for eminent civil engineering professionals to enthuse the participants with their first-hand experiences in the field and their professional expertise. The overwhelming commitment of these senior professionals of the industry to the activities of the Summer Camp can be measured by the fact that about 30 civil engineering professionals from industry and academic institutions from different parts of the country, pledged their time with immense affection and shared their experiences with the participants of the Summer Camp 2005. Summer Camp 2005 would not have been possible without the financial and other support from the following organisations:

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