



# Indian Institute of Technology Kanpur

## Institute Research and Development Committee

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### Minutes of the IRDC Meeting held on 7<sup>th</sup> September and adjourned meeting held on 11<sup>th</sup> September, 2009 in PBCEC

**Members Present on 7<sup>th</sup> September:** Drs. K. Muralidhar (Chairman), B. Basu (Convener), Balaji Prakash, A. Agarwal, P. Munshi, Utpal Das, Nishith Verma, Sandeep Verma, Harish Karnick, D. Kundu, S. Qureshi, Kumar R. Priya, Abhijit kushari, V.N. Kulkarni, Anoop Singh, B. V. Phani, S. Dhamodaran, Sudeep Bhattacharya, S.A. Ramakrishna, J. Ram Kumar, P. Kulsherashta, P.M. Prasad, Tarun Gupta, Rajiv Sinha, D. Paul, J. Subramaniam (representative of scientific/design staff), Rashmi Parihar (representative of Project Associates), K. Sudheendra Rao (representative of PhD students), K. V. Satya Murty.

**Members Present on 11<sup>th</sup> September:** Drs. K. Muralidhar (Chairman), B. Basu (Convener), Balaji Prakash, A. Agarwal, P. Munshi, Utpal Das, Nishith Verma, Sandeep Verma, D. Kundu, J. Kumar, S. Sangal, Abhijit Kushari, V.N. Kulkarni, Anoop singh, B.V. Phani, Deepak Gupta, Tarun Gupta, M.K. Verma, P. Kulserashta, Rajiv Sinha, D. Paul, P.M. Prasad, Ishan Sharma, J. Subramaniam (representative of scientific/design staff), Ms. Rashmi Parihar (representative of Project Associates), K. Sudheendra Rao (representative of PhD students).

- 1. Announcement:** The minutes of the meeting on 3<sup>rd</sup> August were ratified. DORD announced the launching of the second phase of the project on Autonomous vehicles by Boeing. It was mentioned that around 15 undergraduate students are participating in the second phase. IRDC appreciates the participation of undergraduate students in various research projects across the institute. DORD also announced IIT Kanpur's recent initiative on solar energy being coordinated by Dr. Monica Katiyar.
- 2. Discussion on the Model Indent-cum-Purchase forms (indigenous and import):** Based on IRDC's recommendation, the model Indent-cum-Purchase form was placed before the members for further discussion. Mr. Satya Murty took input from all members. Some suggestions include a) mentioning currency, b) including 'Additional information', c) certification from agent on a statement related to agency commission. Based on all inputs, the model indent form will be revised and implemented so that purchase orders can be comfortably processed.

**3. Discussion on proposal - ‘Ion Beam Center for Science and Futuristic Technologies’:** Dr. V. N. Kulkarni and his team presented their proposal on Ion beam Center. A number of faculty members from Physics and one faculty member from Mechanical Engineering are involved in this concept. The formation of such center is expected to encourage intense interdisciplinary activities in the area of Photonic and device materials, MEMS and NEMS for space and energy related applications. The expansion plans of the existing Ion Beam facilities were discussed. This proposal was placed before IRDC to increase the awareness of the large research activities being pursued with the existing facilities of Ion Beam Complex. IRDC members were quite enthusiastic about the creation of an Ion Beam Center at the Institute.

**4. Discussion on Proposal - Center for Earth Systems and Climate Change Research:** Dr. Rajiv Sinha presented several focused research areas related to Climate Change and Earth Sciences. Around 19 faculty members across various Engineering disciplines (CSE, EE, ME, Civil, ChE), sciences (Chemistry, Physics) and Humanities and Social Sciences are presently involved in this important area. Currently, only two centers, one at Indian Institute of Tropical Meteorology (IITM), Pune and the other one at IISc, Bangalore are actively involved in studying climate changes. It is expected that IIT Kanpur can take a lead in this area with the formation of such a interdisciplinary group. It was mentioned that this center is involved in research activities, which will be complimentary to the existing activities of Center for Environmental Sciences and Engineering. After a detailed discussion lasting over one hour, IRDC overwhelmingly expressed appreciation and recommended that the proposal has the potential to form an interdisciplinary Centre on climate change research.

The meeting ended with vote of thanks to the Chair and with special thanks to the special invitees.

Prepared by

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IRDC Convener

Forwarded

K. Muralidhar  
Dean: Research and Development

Prepared on 19<sup>th</sup> September, 2009 and Ratified on 22<sup>nd</sup> September, 2009