

## Minutes of the IRDC Meeting held on Nov. 26, 2013.

*Location: FB 212, Time: 4pm. List of members present:*

Dr.A.K.Chaturvedi (DORD, Chair), Dr. D.P.Mishra, Dr. Jonaki Sen (for Dr. K. Subramaniam), Dr.Pratik Sen, Dr. Rajiv Sinha, Dr. Rajesh Hegde, Dr.Anirban Mukherjee, Dr.P.K.Panigrahi, Dr. Anjan K.Gupta, Dr. Anandh Subramaniam, Dr. Rajeev Gupta, Dr. Abhas Singh (for Dr.Tarun Gupta), Dr. M.S.Kalra (for Dr.P.Munshi), Dr.S.Panda (also for Dr.Y.M.Joshi), Dr. B.V.Phani (also for Dr. Deepu Philip), Dr.S.Khandekar and Dr. R.Vijaya (Convener).

### *1. Announcements by DORD*

(a) *CSIR-MOU*: A Memorandum of understanding (MOU) is under discussion for research collaboration between CSIR labs and IITK. Under this MOU, joint projects and joint supervision of research students will become possible.

(b) *Research funding from Alumni*: Proposals were invited from IITK faculty for projects in the area of Unmanned Aerial Vehicles (UAV) with support from Prabhu Goyal Foundation. Four proposals were received and reviewed and the funding decision in this regard is expected by the end of December. Further, to have more such initiatives, DORD will send out a mail inviting proposals on projects which are good but for some reason (for eg. if large funding is required) are not likely to be funded by the usual funding agencies. These will be listed on the DORA website so that interested alumni can consider supporting them. One such proposal: “Building a Novel System for Soot: Measurement, Toxicity Assessment and Source Identification” is already listed on the DORA site.

(c) *Institute Lectures*: There is an impressive list of Institute Lectures lined up for the next two months, covering subjects ranging from Physics to Physical Chemistry to Biology. The speakers are Prof. Roderick Guthrie (Macdonald Professor of Metallurgy and Director of the McGill Metals Processing Centre, Montreal, Canada), Prof. Subir Sachdev (Professor of Physics, Harvard University, USA), Prof. Raj Mohan Gandhi (Research Professor, Center for South Asian and Middle Eastern Studies, University of Illinois at Urbana-Champaign, USA), Prof. Graham Flemming (Vice Chancellor – Research, University of California at Berkeley, USA) and Prof.M. Vidyasagar (Chair Professor, Systems Biology Science, University of Texas at Dallas, USA).

(d) *R&D Brochure*: The last R&D Brochure was prepared in early 2012. The next issue is now ready and will be displayed at the IITK stall at the next Pan IIT meeting in Houston, USA and will be available to all through DORD office subsequently.

(e) *Flyers for all major research labs/groups at IITK*: Flyers/brochures have been prepared by NWTF, SCDT and some labs. Apart from having hard copies which are handy for distribution, they will also be put on the R&D website. Other groups/labs are also encouraged to come up with such flyers.

(f) *Update on Research Complex*: Work on the design of the Research Complex has been progressing well with good interaction between the architect and the user committee. The design is expected to be finalized soon.

(g) *CARE update*: 12 proposals were received in the recent Call for CARE grant. The presentations are over and the proposers have been asked to submit the final funding requirement after checking with the suppliers and sources for partial support.

(h) *DIRECTIONS*: The next issue is on Industrial Collaboration and is expected in the third week of December 2013. The issue after that is also almost ready. It is on Advanced Mechanics, specifically on the work carried out in the area of Micromechanics in collaboration with IGCAR.

(i) *R&D Newsletter*: The next newsletter is a special issue focussed on ACMS.

(j) In view of the ending of tenure coming up at the end of 2013 for several members, the members were requested to confirm the Minutes of this meeting by e-mail.

## *2. Confirmation of the Minutes of the last meeting*

Minutes of the previous meeting held on 3<sup>rd</sup> Oct 2013 were confirmed with a few modifications.

## *3. Format for submission of Completion report of Initiation grant*

With the increase in the quantum of Initiation grant for new faculty, there is a need for submission of a formal completion report once the project based on that grant is over. The format attached at [Annexure I](#) for the Completion report of the Initiation Grant was approved by the members after some discussion. This has to be submitted by all the faculty members who have received the Initiation grant, soon after their Initiation projects are over.

## *4. Format for submission of Completion report of CARE grant*

CARE like grants have been in existence for more than two decades. Discussion was taken up on the status of CARE grants and their up-keep by the grantees. It was decided that all CARE grantees will be required to submit reports in the format attached at [Annexure II](#) at the end of each year, for three consecutive years after the facility purchased with CARE support is installed.

## *5. Standing committee for evaluating proposals related to in-campus R&D events and activities.*

While the institute has a long standing scheme for supporting procurement of research equipments and facilities (CARE) through its Plan grant, there is no regular or formal mechanism to support R&D events and activities through Non-Plan or other such internal sources. Over the last two years, IRDC has come up with several proposals of R&D events and activities on the campus which should be supported by the institute. These proposals are:

- (1) REACH Symposium
- (2) Sector-wise Open House for industry
- (3) Nucleation Grant
- (4) Institute Lecture

Proposals for the above should be invited from faculty members through an Open Call (twice every year) and a standing committee (similar to the CARE Standing committee) should be constituted every year to review these proposals and make suitable recommendations to the Director for financial support from the institute.

## *6. Norms for Miscellaneous projects.*

Some Consultancy projects from industries do not have any agreement/MOU, nor do they require a Utilization certificate or a separate project account. It was decided that all such projects with a faculty member can be put under the category of a Miscellaneous Project in the DORD office. A single project would help in more efficient fund utilization and also avoid unnecessary opening of several small projects. A Miscellaneous project will have flexible heads and will be of five years duration, at the end of which the funds could be transferred to a new Miscellaneous project or to the PDA of the concerned faculty member.

The meeting ended with a Vote of thanks to the Chair.

## *Annexure I*

### **Initiation Grant Completion Report Format**

1. Period (From the date of joining IITK to the end of the initiation grant):
2. Date and Title of seminars delivered:  
(based on any work done at IITK in this period)
3. Publications (journals and conferences)
  - (i) Details of papers published or accepted:
  - (ii) Details of papers submitted or under preparation:
4. Participation in Conference
  - (i) Details of papers presented at conferences:
  - (ii) Conferences attended but not presented any paper:
5. Sponsored Projects
  - (i) Details of projects sanctioned:
  - (ii) Details of project proposals submitted:
6. Infrastructure set-up in the lab (if applicable):
7. Details of student supervision at UG, Masters and doctoral level:
8. Collaborations Established
  - (i) Within the department:
  - (ii) Outside the department:
  - (iii) Outside the institute:
9. Any other relevant matter not covered above:
10. Bottlenecks (if any) in implementing research goals:
11. Research Goals for the next three years:

## **Annexure II**

### **CARE GRANT Completion Report Format**

(to be filed every year for the first 3 years after the facility is installed)

1. Title of the Equipment/Facility:
2. Location:
3. Provide the URL on which details of this facility exist:
4. Provide the web-link from which the usage of the facility can be booked online:
5. Caption(s) of the photograph(s) of the equipment included with this report:
  - a.
  - b.
6. Whether an LDA has been opened (if applicable): Y/N      LDA no.:
7. If yes, list the members of the User Committee:

In addition, provide the following:

- i. List of students (name, degree, Roll #) who have used the facility along with the names of their supervisors.
  - ii. List of publications which have used this facility
  - iii. List of patents filed in which this facility has played a role
  - iv. List of projects in which the facility has been used along with the names of the PI and Co-PIs
  - v. List of project proposals submitted/sanctioned which rely on the availability of such a facility in the campus
8. Are any inter-disciplinary groups formed as a result of this grant? Give details.
  9. Description of the infrastructure in a paragraph (about 60 words):