

#### LECTURE ON RESEARCH PROPOSALS AND PUBLICATION



With the support of management and principal and vice principal Department of civil engineering organised the one day workshop for Sapthagiri faculty members **ON RESEARCH PROPOSALS AND PUBLICATION**.. The Program was started on 12-nov-2019 at 9.00AM the function was presided by Sri. G. Dayanand, Chairman and Managing Director, Sri. G D Manoj Executive Director, Principal Dr.Ramakrishna, vice principal Dr.M.H.Annaiah, Head of Department, Civil Engineering Dr.G.R Manjunath and The recourse person Dr.Ramaraju H.K Professor and Head, Dayananda Sagar College of engineering , Bengaluru. The inaugural was initiated with a welcome speech by Mr.Rajiv T Assistant professor and organising committee member, Civil Engineering Department, was followed by prayer and lighting of the lamp, which was followed by introduction to chief guest by Prof Mrs.Prerana Chitra Associate Professor, and all the faculties from various department were participated in the event.

After the inauguration function the session was taking over by the Dr.Ramaraju H.K and he spoke about the following

1. UGC strives to promote teaching and research in emerging areas in Humanities, Social Sciences, Languages, Literature, Pure Sciences, Engineering & Technology, Pharmacy, Medical, Agricultural Sciences etc

## 2. Name of scheme(s)

### **Major and Minor Research Projects**

#### *Objective(s)*

- To promote excellence in research in higher education by supporting research programmes of University and College teachers in various disciplines.

Traditionally, universities have been the centers of research. Although, the Government has a network of science and technology laboratories for research and development, the major base of researchers in science and technology remains with the universities. Therefore, university and college teachers need to be supported to meet this requirement

#### *II) Industry-Institute Interaction Schemes*

##### **a) Industry Institute Partnership Cell (IIPC)**

To establish institute-industry liaison by encouraging: (1) conduct of industrial training programmes (2) facilitating exchange of resource personnel (3) carry out industrial R&D (4) conduct of industrial visits (5) developing appropriate curricula and (6) undertake consultancy services, etc.

##### **b) Entrepreneurship Development Cells (EDC)**

To encourage students to consider self-employment as a career option and provide training in entrepreneurship.

##### **c) National Facilities in Engineering & Technology with Industrial Collaboration (NAFETIC)**

To establish national level facilities in the frontier areas of Engineering & Technology through collaboration between industry(s) and institutions for product development, basic research, trouble shooting, consultancy, testing & training purposes.

##### **d) Nationally Coordinated Project (NCP)**

To plan, coordinate & execute integrated R&D programmes at national level by a group of institutions. The technical/ financial/ administrative deliverables are to be spelled out clearly by the networking institutions with the lead institution being an IIT/IISc/IIM/NIT

#### *Council of Scientific and Industrial Research (CSIR)*

The major functions of CSIR include promotion, guidance and coordination of scientific and industrial research in India; The Human Resource Development (HRD) Group of Council of Scientific & Industrial Research (CSIR) has a mandate to develop and nurture S&T manpower at the national level. It also promotes, guides and co-ordinates scientific & industrial research through research grants to Scientists/Professors working in Universities/R&D Institutes of Higher learning

### **III. Name of scheme(s) & Objective(s)**

#### **1. Research Schemes**

To promote research work in the field of S&T including agriculture, engineering and medicine. Multi-disciplinary projects which involve inter-organisational cooperation (including that of CSIR Laboratories) are also considered. Preference is given to schemes which have relevance to research programmes of CSIR laboratories.

#### **2. Sponsored Schemes**

The Directors of CSIR laboratories may invite applications for research grants in specific areas of interest to their respective laboratories. They will forward these to the CSIR HRD Group. The scheme enables the CSIR laboratories to interact with university system, so that the CSIR laboratory can take the help of the faculty there to undertake part of the work of its core programme, for which it either does not have the time and or expertise.

#### **3. Emeritus Scientist Scheme**

To provide support to superannuated outstanding scientists to pursue research in their respective field of specialization and having relevance to the programmes of CSIR.

#### **4. Research Fellowships/Associateships**

▪ Shyama Prasad Mukherjee Fellowship ▪ Senior Research Associateship ▪ Recognition of Excellence ▪ Shanti Swarup Bhatnagar Prize ▪ CSIR Young Scientist Award

### **IV. Other Science and Technology Promotion Programmes**

- CSIR Programme on Youth Leadership in Science
- CSIR Diamond Jubilee Research Interns Award Scheme
- Visiting Associateship Scheme
- Partial Financial Assistance for holding National/International Conferences/ symposium/ Seminar/ Workshops in India
- Partial Travel Grants to Research Scholars
- Entrepreneurship Support to Research Scholars
- Faculty Training Programme and Adoption of Schools and Colleges by CSIR Laboratories

### ***Defense Research and Development Organisation (DRDO)***

DRDO is dedicatedly engaged in the formulation and execution of programmes of scientific research, design and development, testing and evaluation leading to induction of state-of-art weapons and equipment which would compare and compare favorably with its contemporary systems available elsewhere in the world.

## V. Department of Atomic Energy (DAE)

### **. Introduction**

The Department of Atomic Energy supports research programmes in Nuclear Science and Technology through the Board of Research in Nuclear Sciences (BRNS). BRNS support the following schemes.

#### II. Name of scheme(s) & Objective(s)

##### **1. R&D Project**

Fostering research capabilities and manpower development in universities and similar institutions of higher learning and research.

##### **2. Symposium/Conference/Workshop**

To promote large scale interactions in various disciplines of science and technology that are of interest to DAE.

##### **3. DAE Young Scientists Research Award**

To support young scientist below the age of 35 years in their initial years of settling down in a career of R&D.

##### **4. Dr. K.S. Krishnan Research Associateship**

To support talented science and engineering research scholar

##### **Raja Ramanna Fellowship**

To utilize the services of active retired scientists/engineers and technologists, who have been involved in high quality research in their specialized discipline in the units of the DAE or any National Laboratory or University/Institute

##### **6. Visiting Scientists**

To promote close interactions on specialized scientific and technical topics between the scientists and technologists from DAE and Universities/IITs/IISc/ National Labs.

##### **7. Homi Bhabha Chair Professorship**

These Chairs are instituted in recognition of sustained record of excellence and creative contribution to research and / or teaching in the area of interest to DAE.

#### **VI. DAE Graduate Fellowships**

To provide excellent career opportunity to students qualifying for admission to the M.Tech Course in Indian Institute of Technology at Mumbai, New Delhi, Kanpur, Kharagpur, Chennai or Roorkee.

##### **9. DAE Graduate Fellowships for Ph.D.**

To provide an opportunity to work on projects of interest to DAE to those students who aspire to attain the highest academic qualification, (ii) to achieve the basic objective of

strengthening linkages between the grant -in-aid institutions and the research centres for the benefit of advancing the pace of research in nuclear sciences, and (iii) to accelerate the speed to translating R&D into technology products and their applications.

#### **10. DAE-SRC Award**

The core objective is to augment support to individual research workers with highly innovative ideas and with proven abilities to pursue advanced research in frontier areas of science and engineering at an accelerated pace.

Lastly the program was concluded by giving the vote of thank.



Interaction session