

## **RAB Reports**

Date: Tuesday, 19<sup>th</sup> September 2017 (11.30am to 1.30pm)

### ***Agenda:***

- Approval of Minutes of 8<sup>th</sup> RAB Meeting
- PDPU Vision, Mission, Objectives and Accomplishments in the past decade
- Ongoing and Completed Research Projects Review
- Student Research Program
- Review of current Research Activities like [ublications, Journals, Books and Articles published
- Setting goals for future research program
- Any other with the permission of the chair

### ***Members Present:***

1. Prof.T.Kishen Reddy (Chairman)
2. Dr.N.Saibaba – Member
3. Shri G. N. Rao- Member
  
4. Dr S.K.Ghosh- Member
  
5. Dr. Amitava Das- Member
  
6. Mr. S.S.Sgarkar- Member
  
7. Dr. A.V.Chainlulu- Member
  
8. Prof. Chaitanyamoy Ganguly- Member
  
9. Prof. T.V.Rao- Member
  
10. Prof.Indrajit Mukopadhyay- Member

Beside other invited members from Academia and industry were also present

### ***Minutes of the meeting:***

1. DG introduce PDPU and shared his view about the construction of Research Advisory Board. He shared about the recent activities at PDPU. Appraised the members about the visit of Minister of Petroleum and Natural Gas and that he appreciated the growth of decade old institution. DG also shared that OBGC has promised funds to PDPU for growth in the energy sector.

DG stated the PDPU vision and mission and also the long and short term objectives to the new RAB members. He talked about the different Centres of Excellence (CoE) at PDPU. He also talked about the International Exposure program, various national and international tie-ups.

#### **DG also shared some Key takeaways and initiatives**

8 research projects of total cost of Rs.52Lacs have been completed

Account of ongoing projects and consultancy was presented

Details of new proposal submitted to various national agencies like DST,ISRO, DRDO, GUJCOST, CSIR etc with total project cost or 36 crores (appx).

#### **ORSP Projects**

Summary of Student Research Program for the year 2016-17 was presented

Total of Rs. 55.72 Las was sanctioned in 2016-17 towards the SRP

The outline of proposal submission for 2017-2018 has been drafted and shared with the M.Tech and PhD Scholars.

#### **Publications, Journals, Books and Articles Published**

The unique Research Information Management Systems (RIMS) of PDPU and its benefit in facilitating R&D program was described.

Research and development activity of the School of Petroleum Technology was described in detail by the school director Dr.Anirbid Sircar

Dr.H.B.Raghvendra gave a detailed account of the R&D Activities of the School of Technology.

The Chemical Engg.department discussed about the research initiatives in carbon capture and bio-fuel.

Details of total patents and publication from Solar Research Centre was presented Dr.Nigam Dave, Director SLS presented detailed account of research and development in the School of Liberal Studies. He also mentioned about the achievement of students and faculties for the year 2016-2017. Community development programs which is a unique initiative by SLS was also discussed.

Dr.C.Gopalakrishnan, I/c Director SPM talked about the PhD program, research projects and publications. He also mentioned that SPM has started with the Journal of Energy and Management.

### ***Open House***

The DG then requested the members present to give their inputs to help PDPU align with NITI Aayog's Grand challenges and how to make the CoEs and PDPU world class.

Dr.Ranjana Harish appreciated the 'Campus to Community' initiatives and suggested undertaking projects on Happiness or peace. SLS could also target funding from Bill Gates foundation, Shiv Nadar Foundation, Azim Premji Foundation, Tata Foundation etc. from the CSR Funds.

Dr.N.Saibaba suggested that partnership could be done with BARC, ICGAR, RRCAT, NFC for funding on projects. He also shared that PDPU is getting Sewage Sludge Hygienisation in collaboration with BARC.

Mr.S.S.Agarkar shared that

- (a) PDPU should work towards Industry 4.0
- (b) Towards home grown innovation and automation project
- (c) Welding techniques and automation

DG also mentioned here that PDPU will be establishing tinkering labs 'TodFod Jod' and talked about E-Yantra.

Dr.A.V.Chainulu suggested leveraging the CSR funds and organize skill development programs in PDPU. He also mentioned that PDPU should use its existing CoEs for high end services like testing.

Mr.G.N.Rao suggested that PDPU should become nodal knowledge centre for recycling the plastic waste generated in the state. PDPU should also work towards research on river linking and dam.

Prof.T.V.Rao appreciate the research efforts of PDPU and gave suggestions on inculcating research attitude among faculties and students. Faculty evaluation through balancing teaching and research activities. Interdisciplinary research work and human attitude research.

Dr.S.K.Ghosh suggested research on radiation technologies and on Deuterium-depleted water. He also proposed interdepartmental collaboration.

Dr.Amitava Das advised to leverage the energy program and include Bio-Mass energy and waste management studies in order to make the students more employable.

Prof. Chaitanyamoy Ganguly in his final comments opined the need of more funding by the Private sector and the necessity of research on 'FEW' Concept: Food security, Energy conservation, water and waste management.

The meeting ended with felicitation of the board members with the memento and vote of thanks to the Chair.

Date: 27/09/2017