

Call for proposal from IITB Faculty for PhD fellowship through CoE-OGE as TAP

The Centre of Excellence in Oil, Gas and Energy (CoE-OGE) is an interdisciplinary Centre established by Indian PSUs of Oil and Gas sector (IOCL, ONGC, HPCL, BPCL, GAIL, OIL and EIL) and IIT Bombay. Its purpose is to facilitate interaction between these PSUs and IITB and work towards development of technologies relevant for the sector. CoE-OGE has activated different channels for this purpose, one of them being PhD candidates through TAP fellowship.

The main objective of this fellowship scheme is to create an ambience where PSUs and academia collaborate and develop scientific and technological human resources in mutually interested areas through technology development for problems faced by Oil and Gas PSUs. At the same time, this will open-up new opportunities for faculty members to interact with PSU personnel and help in exchanging knowledge and experience between industry and academia. The possible benefits to IITB are exposure to industrial problems, experience in technology development, implementation and commercialization, and improving the employment opportunities for the students.

Faculty members of IIT Bombay may send proposals in the attached format to CoE-OGE to avail TAP PhD positions under them with fellowships and research grants through CoEOGE. The Research Scholars supported through CoE OGE are expected to do research with Oil and Gas PSUs for addressing PSUs' problems and develop technology solutions.

The details of this scheme are given below:

1. The list of possible topics based on the inputs from PSUs may be accessed at the following link. Any other topic relevant to PSUs for the Oil and Gas sector can be suggested. The topic of research should have practical relevance and industrial application in Oil and Gas PSUs.

<https://docs.google.com/document/d/1H96lw9OLqBIfbibifoW6PM2yqJL9Gmy5/edit?usp=sharing&ouid=117500602505349663691&rtpof=true&sd=true>

2. The faculty along with the selected PhD student is supposed to do research on a collaborative mode with the PSU/s. The proposed research project should have a co-guide from Oil and Gas PSU/s or other related institutes. In addition, there may be an expert from PSUs and/or faculty from CoE-OGE as an invited member on RPC. If needed, the student may spend some part of the time during his/her studentship in the collaborating PSU.

3. CoEOGE is governed by the IP clauses & NDA that are signed by all the member PSUs. The signed IPA & NDA will serve as umbrella documents for all projects under CoEOGE.

The finalized IPA & NDA documents can be accessed using the below link;

https://drive.google.com/drive/folders/10QNpSyB-LzcctKnNpILJljq8n6QTfMdU?usp=s_haring

4. The selected candidate will be given a fellowship for 2 years. It may be further extended by one more year if required. The guide may also apply for a research grant upto Rupees Three Lakhs for computers, softwares, small equipment, travel to PSU/s, etc. over the complete period of the fellowship.

5. The PhD scholars under this TAP scheme will be selected through the normal selection process of the concerned department.

6. The sponsored students will be involved in related work for CoEOGE, like organizing meetings, seminars or workshops in the related field as and when required. This will help the student in connecting to the PSUs and also getting a better idea of the Oil and Gas sector.

7. The faculty already proposing or having a mission project with CoEOGE are discouraged from applying for this fellowship scheme. Instead, they are encouraged to include it in their mission project.

Interested faculty may send their ideas to PIC of CoE-OGE (pic.coeoge@iitb.ac.in with cc to office.admin.coeoge@iitb.ac.in) with a short description of the project proposal with clearly defined objectives and deliverables as per the attached format (please refer below) at the earliest. The proposal will be reviewed and the acceptance of the proposal will be informed to the respective faculty. Accordingly the faculty will select a candidate through the normal selection process of the concerned department of the faculty.

Proposal format to be sent by IIT Bombay faculty for PhD fellowship through CoE-OGE

- 1) PhD topic (title):
- 2) Name of the Faculty as Guide (+ Co-guide, if any) & Department:
- 3) Name of external Co-Guide/s from the related PSU/s & the name of the PSU/s: (At least one Co-Guide from Oil/Gas PSU is necessary)
- 4) Problem statement: (Brief description)
- 5) Objectives: (Bullet points)
- 6) Proposed methodology: (Detailed description)
- 7) Proposed deliverables: (Bullet points)