



INSTITUTE OF CHEMICAL TECHNOLOGY

[UNIVERSITY UNDER SECTION - 3 OF UGC ACT (1956)]

Matunga, Mumbai - 400 019

10/06

Applications are invited for projects related to "Scheduling and Control of Energy Integrated Process Networks" with the following details:

Name of the post	Junior Research Fellow	Project Assistant
Number of posts	Three (3)	One (1)
Honorarium	Rs. 16,000 + 30% HRA	Rs. 8,000 + 30% HRA
Qualifications	Masters in Chemical Engineering/Chemical Technology, preferably having qualified ICT PHD Entrance Examination.	Bachelors in Chemical Engineering/Chemical Technology
Desired Qualifications	Familiarity with Process Control and Mathematical Optimization techniques, experience with commercial process simulators (Aspen, Hysis, Unisim, etc.) and computational software (Matlab, Scilab) would be preferred	Familiarity with Process Control and Mathematical Optimization techniques, experience with commercial process simulators (Aspen, Hysis, Unisim, etc.) and computational software (Matlab, Scilab) would be preferred
Duration	Three year (based on performance)	Six months (based on performance)
Sponsor	Department of Science & Technology (DST)	
Principal Investigator	Dr. Sujit S. Jogwar	

Project details: Given the high cost of energy, energy integration has become a rule rather than exception in modern chemical plants. However, operation of such integrated systems is very challenging. These projects aims to address the design and control aspects of such integrated systems.

These project will give the candidate invaluable exposure to research methods, techniques and hands-on experience on tackling problems of national and industrial importance. During the course of the project, the candidate will work on developing model based control schemes for integrated process networks. The candidate is also expected to develop novel control strategies and demonstrate their effectiveness via simulation studies (using process simulators).

The candidates will be encouraged to join the department's doctoral program subject to successful clearance of Ph.D. entrance test for Masters students and integrated Ph.D. test for Bachelors students. However, qualifying for these positions position do not entitle the candidates for admission to the Ph.D. program.

Interested candidates should send online application (by email) to ss.jogwar@ictmumbai.edu.in on or before **June 25th 2014**. Shortlisted candidates will be called for interview with prior notice. No T.A./D.A. will be given to appear for this interview.

AB
9/6/14
Dean, RCRM

Institute of Chemical Technology