



Gujarat Technological University

organizes

One Day Workshop on Quality Research for Ph. D. and M. Tech. Students

Sunday, March 23, 2014 at GTU

Objective

The proposed workshop is focused for dissemination of state-of-the-art knowledge and capacity building of researchers for high quality work and publications during their Ph. D. and M. Tech. courses under GTU, Ahmadabad.

Who can attend the workshop?

All students/faculties registered under Ph. D./ M. Tech. program of the GTU Ahmadabad are eligible for this workshop. The target group is expected to comprise of those researchers who have completed their course work and have geared for literature review/ actual laboratory level research work/ writing of review papers and/or original research papers for international journals of repute.

Abstract

Several students get enrolled for Ph. D. and M. Tech. courses, which are entirely based on research work. Such courses require a focused researchers' mind and endeavors to enhance quality of such studies. The researchers do acquire partially state-of-the art knowledge from various e-resources, available online. However, what is missing in disguise is a planned synthesis of the accessed information and digestion of various facts available in the literature, which in general, is of high importance to develop a hypothesis before carrying out every research work, either analytical or experimental.

During the progress of the research work every researcher needs guidance for (i) how to select and write a research topic, (ii) how to carry out literature review effectively, (iii) how to develop the hypothesis of the research, (iv) how to write the introduction of the topic based on literature review and identify the challenges associated with the selected research topic, (v) how to group various literature data and develop a review paper with proper coherency, sequence and connectivity between various facts, (vi) how to select proper journal to enhance quality of the research work, (vii) how to select various characterization tools required for extensive

investigation by the research work to ascertain a finding and (viii) how to critically process the relevant data and interpret various outcomes from the study after complete characterization.

For example, research works (viz., Civil, Chemical, Metallurgical, Material Science, Nano-technology, Earth Science, Environmental Engineering and other multidisciplinary works) where materials are used and they undergo transition during various processes, different types of advanced characterization techniques (viz., X-ray diffraction/ICDD, X-ray fluorescence, Fourier infrared absorption/transmittance, thermal gravimetry analysis, Field emission gun-scanning electron microscopy, Nuclear magnetic resonance, gas adsorption techniques like BET and Ultra Pycnometry) are of utmost demand. In case of inappropriate facilities (viz., equipments and/ or training) of characterization and interpretation of obtained data, appropriate analysis of the data remains partially unexplored and hence a challenging issue for quality work.

With these view points, the present workshop is focused for advance training of the M. Tech. and Ph.D. students in the direction of shaping out correct approach for carrying out various aspects in a quality research work, as described above. The ultimate aim of this workshop is to enhance capacity of a researcher to produce a number of themes based on the research findings and convert them in the form of quality research papers for peer reviewed and free international journals of repute up to patenting level at the global standards. Thus, the workshop would be a novel initiative of the Gujarat Technological University to add values and quality in future research works and the researchers.

Main Speakers:

Dr. D. N. Singh, FNAE, F.ASCE,

Editor-in-Chief, Environmental Geotechnics, International Journal of ICE, UK

Professor, Dept. of Civil Engineering

Geotechnical Engineering Division

Indian Institute of Technology BOMBAY

POWAI, MUMBAI

Dr. V.K.Srivastava

Associate Professor & Head

Department of Sciences, SOT

Pandit Deendayal Petroleum University

Raisan, Gandhinagar

Dr. Paresh Shah, Ph. D. (IITB)

Principal,

U. V. Patel College of Engineering

Ganpat University

Kherva, Mehsana

Dr. Bhagwanjee Jha, Ph. D. (IITB)

Lecturer in Civil Engineering (SG)

Dr. B.B.A. Govt. Polytechnic, Karad (DP),

Dadra and Nagar Haveli

Dr. Trudeau Dave, Ph. D. (IITB)

Assistant Professor

Department of Civil Engineering, SOT
Pandit Deendayal Petroleum University
Raisan, Gandhinagar

Tentative Program Schedule	
9:30 AM	Registration & Breakfast, Tea/Coffee
10:00 AM	Welcome Address By Dr. K. N. Mistry
10:15 AM	Address by Hon. Vice Chancellor Dr. Akshai Aggarwal
10:30 AM	Speaker 1
11:30 AM	Speaker 2
12:30 PM	Speaker 3
01:30 PM to 2:30 PM	Lunch Break
2:30 PM	Speaker 4
3:30 PM	Speaker 5
4:30 PM	Conclusion & Valedictory Function

Registration:

https://docs.google.com/a/gtu.edu.in/forms/d/1PUtdNCHwri1dvjF_pDzcMKGz14AO0vopzf4YwAZxRds/viewform

Last date of Registration: 21/03/2014

Venue: Gujarat Technological University, Chandkheda Campus, Ahmedabad.