

Organizing Team

Chief Patron

Prof (Dr) Kamal Ghanshala
President, Graphic Era University, UK

Patrons

Prof (Dr) R C Joshi
Chancellor, Graphic Era University, UK
Prof (Dr) L M S Palni
Vice Chancellor, Graphic Era University, UK
Prof (Dr) Sanjay Jasola
Vice Chancellor, Graphic Era Hill University, UK
Prof (Dr) V K Tewari
Director General, Graphic Era University, UK
Prof (Dr) A K Awasthi
Advisor, Graphic Era University, UK
Prof (Dr) Ankush Mittal
Director Research, Graphic Era University, UK

Academic Advisor

Prof (Dr) Mohan C Joshi
IIT Gandhinagar, Gujarat

Convener

Prof (Dr) Mangey Ram
Graphic Era University, UK

Organising Secretary

Dr Seema Saini
Graphic Era University, UK
Dr Mukesh Kumar
Graphic Era University, UK
Dr Ritu Chandna
Graphic Era University, UK
Dr Anand Chauhan
Graphic Era University, UK

Organizing Members

Dr Giriraj Gupta, GEHU, Dehradun, UK
Dr Mohd Taamsir, GEU, Dehradun, UK
Dr Navneet Joshi, GEHU, Bhimatal, UK
Dr Neeraj Dhiman, GEHU, Dehradun, UK
Dr R C Bhadula, GEHU, Dehradun, UK
Dr Satyajeet Singh, GEU, Dehradun, UK
Dr Suraj Chand, GEHU, Dehradun, UK
Dr Vineet Bhatt, GEHU, Dehradun, UK

Advisory Members

Dr A P Singh, SGRR (PG) College, UK
Dr Anuj Kumar, UPES, UK
Dr Lokesh Kumar Joshi, GKU, Haridwar, UK
Dr Ritu Arora, GKU, Haridwar, UK
Dr Sangeeta Pant, UPES, UK
Prof (Dr) B C Tewari, Kumaun University, UK
Prof (Dr) D S Negi, Garhwal University, UK
Prof (Dr) Rajendra Sharma, GEU, UK
Prof (Dr) R C Dimri, Garhwal University, UK
Prof (Dr) R P Pant, Kumaun University, UK
Prof (Dr) R P Tripathi, GEU, Dehradun, UK
Prof (Dr) S B Singh, GBPUAT Pantnagar, UK
Prof (Dr) V P Pande, Kumaun University, UK

National Workshop on

Nonlinear Functional Analysis and its Applications

February 19-24, 2018,

Graphic Era University, Dehradun, Uttarakhand

WORKSHOP REGISTRATION APPLICATION FORM

Name:

Affiliation:

Department/Division/Unit:

Institution/University/Company:

Address for Communication:

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Email:

Telephone:

Level: Please check one.

Post-Graduate Student Post-doctoral Student

Junior Faculty Year PhD granted:

Need accommodation? Yes No

Signature _____

For Research Scholar/Students

Ms. / Mr.
is a research scholar / student of our institute / organization, have sufficient analysis background and his / her application form is hereby forwarded. The applicant is permitted to attend the Workshop.

Signature of Supervisor / Head of Department
(with seal)

PAYMENT: Please send the completed registration form, proof of student status, with the fee details and mail to the Convener.



Graphic Era

(Deemed to be University)

Accredited by NAAC with Grade A

National Workshop

on

NONLINEAR FUNCTIONAL ANALYSIS AND ITS APPLICATIONS

February 19-24, 2018

(One week)

Organised By

Department of Mathematics

Graphic Era University

566/6, Bell Road, Clement Town
Dehradun-248002, Uttarakhand



About GEU

Graphic Era University (GEU), accredited by NAAC with Grade A, is one of the fastest growing institutions of professional learning; with a sprawling campus spread over 30 acres of serene and salubrious expanse in the Dehradun valley, in the Himalayan foot-hills. Located near the cantonment area, in calm and picturesque surroundings, along Rajaji National Park, with a backdrop of Shivalik hills, the university offers amicable atmosphere and ambiance suited to academic pursuits. Graphic Era University, a continuum of Graphic Era Institute of Technology, founded in 1998, has now over 8000 students, over 400 dedicated faculty members and more than 300 support staff for the smooth conduct of academic and allied activities. The University offers more than 45 programmes spread across the Faculty of Engineering & Technology, Faculty of Management Studies, Faculty of Computer Applications, Faculty of Allied Sciences, and Faculty of Humanities and Social Sciences.

About the Department

The Department of Mathematics was created to improve the analytical skills of the students of different disciplines of the university by teaching them fundamentals and basics of advanced level courses of mathematics and allied subjects like, operations research, computer based numerical and statistical techniques, discrete structures, graph theory, statistics etc. The expert syllabus committee consisting of the faculty members from the pioneer institutes to keep the students of the university quiet updated revises the syllabus of the different subjects of mathematics time to time. The new subjects of mathematics have been introduced at graduate and postgraduate level of engineering.

The department actively participates in the design and development of various courses of under graduate and postgraduate programs in different disciplines as per their requirements. The department has published research papers and books with IEEE, Elsevier, Springer, Emerald, Taylor & Francis, McGraw-Hill, World Scientific, Inderscience, IGI Global and many other publishers.

About the Workshop

Nonlinearity is eminently visible in problems of practical importance in many interdisciplinary areas of science and engineering. Be it chaos, order and pattern; composite material; condensed matter; continuum mechanics; information processing; optimal scheduling; organic molecules; plant and resource optimization; space science; stock market analysis; structural dynamics; traffic flow and many more. The investigations of problems of such diverse areas require exposition on the development of a common theory of nonlinear analysis, presently available in abundance. The 6-day workshop at on 'Nonlinear Functional Analysis and Its Applications' aims to achieve this.

We have brought together an expert group of linear and nonlinear analysts - pure and applied - on a common platform to apprise young researchers all across the state of Uttarakhand and other neighbouring states about the various aspects the core areas of nonlinear analysis. We begin by building the foundations of the theory of linear and nonlinear functional analysis and then elaborately describe its various applications to ordinary differential equations, integral equations and partial differential equations with finally culminating with approximation analysis.

Thus, the thrust of the expert group is on the systematic presentation of the sequential growth of the theory of nonlinear analysis and its demonstrative applicability potential in problem solving.

We feel that domain knowledge, so developed in the workshop, will immensely benefit researchers from all fields.

Topics

- Elements of Linear & Nonlinear Functional Analysis.
- Applications to Ordinary Differential Equations & Integral Equations
- Introduction to Sobolev Spaces & Solvability Analysis of Partial Differential Equations
- Approximation Analysis with Finite Element Analysis & Galerkins Approximations.

Resource Persons (Tentative)

Prof (Dr) Mohan C Joshi, IIT Gandhinagar

Prof (Dr) Jagmohan Tyagi, IIT Gandhinagar

Prof (Dr) Amiya K Pani, IIT Bombay

Prof (Dr) Neela Natraj, IIT Bombay

Prof (Dr) Kamana Porwal, IIT Delhi

Prof (Dr) Mythiliy Rmamaswamy, TIFR, Bangalore

Prof (Dr) Raju K George, IIST, Thiruvananthapuram

Prof (Dr) D Bahaguna, IIT Kanpur

Prof (Dr) T Guddi, IISc, Bangalore

Target Audience

Ph. D scholars, young researchers in universities and R & D organizations and advanced level M.Sc. & B. Sc. students with sufficient analysis background. The workshop will admit a maximum of 40 participants. Applications will be accepted until January 10, 2018, or until the capacity is reached.

How to Reach Dehradun

Dehradun is well connected to major cities in India, such as New Delhi, Lucknow, Varanasi, Kanpur, Allahabad, Amritsar, Meerut, Bareilly, Mumbai, Kolkata, Jaipur, Ujjain, Indore, Ahmedabad, Thiruvananthapuram etc. Trains are also available from other parts of India. Dehradun is also connected by Air and Road routes. Regular state and interstate buses are available at ISBT. Regular flights between New Delhi and Dehradun are also available.

Flight to Dehradun (Jolly Grant Airport): From New Delhi and Lucknow

Direct Trains to Dehradun: From New Delhi, Lucknow, Mumbai, Varanasi

Registration Fee

Category	On or Before Dec. 15, 2017	Up to Jan. 10, 2018
Scholar/ Students	3000	4500
Academician	4000	5500
Industry Persons	5000	6500
Each Accompanying Persons	4000	5500

Payment Option

The fee can be paid in the following modes:

1. Demand Draft

In favour of "Graphic Era University" payable at "Dehradun".
or

2. Bank Transfer

Bank Name: Punjab National Bank, GEU Branch, Dehradun

Current A/c No.: 1175002100010338

Beneficiary Name: Graphic Era University

Branch ID: 619000

NEFT/RTGS/IFS code: PUNB0619000

MICR Code: 248024035

Accommodation

Will be available for out-station students in university hostels on sharing basis.

Contact Information

Dr Mangey Ram

Professor

Department of Mathematics

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