Chief Patron

Prof. Rajeev Sangal

Director, IIT(BHU), Varanasi

Patrons

 $Prof.\ P.\ K.\ Jain,\ Dean\ (R\&D),\ IIT(BHU)$

Prof. G.V.S. Sastry, Dean (AA), IIT(BHU)

Prof. A. K. Tripathi, Dean (Resource & Alumni), IIT (BHU)

Prof. B. K. Srivastava, Chairman, QIP Cell

Chairman

Prof. L. P. Singh

Head, Department of Mathematical Sciences, IIT (BHU) Varanasi

Course Coordinators

Dr. S. K. Upadhyay & Dr. A. J. Gupta

Convener

Prof. S. K. Pandey

Organizing Secretaries

Dr. Rajeev, Dr. V. K. Singh & Dr. R. K. Pandey

Organizing Committee

Prof. T. Som

Prof. R. Srivastava

Prof. L. P. Singh

Prof. S. K. Pandey

Dr. S. Mukhopadhyay

Dr. S. Das

Dr. S. K. Upadhyay

Dr. A. J. Gupta

Dr. Rajeev

Dr. V. K. Singh

Dr. A. Banerjee

Dr. R. K. Pandey

Dr. Sunil Kumar Dr. D. Ghosh

Dr. Lavanya Sivakumar

Dr. V. S. Pandey

About the City

The holy city of Varanasi is known as the city of temples and learning. It is a place of great historical and cultural importance. This "Religious Capital" of India is situated on the bank of the holy river Ganges and is famous for temples of Lord Shiva, Lord Buddha (at Sarnath) and Sankat Mochan etc. Varanasi is the premiere most place of oriental learning also. The city is keeping pace with modern advanced knowledge. The city is reputed for silk fabrics, perfumes, artistic brass and copper wares and a variety of handicrafts. This vibrant city with multiple dimensions of knowledge and liberation, has a magnetic attraction for people from all over the world.

Route to Varanasi

The city of Varanasi is well connected by road, rail and air with all the important places of India. Regular flights are there from Varanasi to Delhi, Mumbai, Chennai, Bangalore, Kolkata, Khajuraho and Lucknow. The Banaras Hindu University campus is only 10 Km from Varanasi railway station, 20Km from Mughalsarai railway station and 35 Km from the airport.

About the Department

The Department of Mathematical Sciences, IIT (BHU), earlier known as Mathematics/Applied Mathematics, has been functioning since 1968. The Department has been engaging in serious research in various branches of Mathematics in general, and applied mathematics in particular, apart from catering to the needs of the undergraduate and post-graduate students of the Institute. In addition, the Department runs its own 5-years Dual Degree (B Tech & M Tech) programme in "Mathematics and Computing" and Ph.D. programme. Colleagues of the department have been continuously publishing sizeable number of research papers in various journal of repute in areas such as Algebra, Analysis, Algebraic graph theory, Mathematical modelling, Optimization, Partial differential equations, Fuzzy and logic etc.



Teaching Faculty

The resource persons will be drawn from amongst noted experts available in various departments of eminent centers of higher learning in Universities and institutes of the nation, in chosen areas of the workshop.

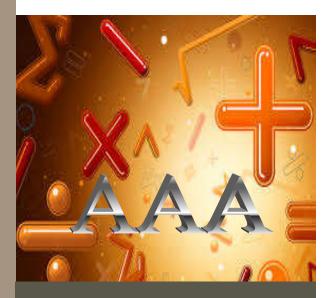
Course Material

Hard / Soft copies of the lecture notes/presentations will be made available to participants at the end of lecture/presentation.

CONTENT OF COURSE WORK

The short term training programme will be focused on the following areas:

Rings and Modules; Coding theory and Cryptography; Functional Analysis; Fourier Analysis; Image and Signal Processing; Mathematical Modelling; Ordinary and Partial Differential equations QIP Short Term Course on Algebra, Analysis and Applications (AAA) July 03-09, 2017



AICTE sponsored Short Term Course



AAA 2017

Organized by:

Department of Mathematical Sciences, IIT- BHU

Contact Us

Dr. S. K. Upadhyay/ Dr. A. J. Gupta, Department of Mathematical Sciences, Indian Institute of Technology (Banaras Hindu University), Varanasi-221005

Mobile: 9450112714; 9450967574 Email: qipaaa2017@gmail.com

QIP Short Term Course on Algebra, Analysis and Applications (AAA) July 3-9, 2017

OBJECTIVE AND SCOPE:

The Algebra and Analysis are useful disciplines to many professionals from various background in science, engineering and technology. These two areas play an important role to develop the theories and applications in wavelets, Fourier analysis, signal processing, differential and difference equations, partial differential equations, image processing, number theory, cryptography, coding theory, computer sciences etc.

The objective of the short term is to provide essential fundamentals, concepts and treatments to the participants so as to equip them with technologies and methodologies for analysing problems and theorizing understandings in their respective domains of knowledge. The intended audience may include faculty members, research scientists, and scholars drawn from various branches of science, engineering and technology.

TENTATIVE SPEAKERS:

The following experts will be approached for delivering thematic lectures for addressing the issues within the framework of the subject areas of Algebra and Analysis:

Prof. Mohammad Ashraf (AMU)

Prof. Satya Dev (HRI)

Dr. Indivar Gupta (DRDO)

Prof. Klimuddin (AMU)

Prof. Subhi Khan (AMU)

Prof. Ratna Kumar (HRI)

Prof. B. M. Pandey (IIT-BHU)

Dr. Akhilesh Prasad (ISM)

Prof. Bhu Dev Sharma (JIIT)

Dr. Ajay Shukla (SVNIT)

Various experts available in and around the campus, including the Department of Mathematics BHU, are certainly available impart knowledge on the topics concerned.

Who Can Attend? Faculty member of Institutions, Engineering Colleges and Universities, working professionals in the area of Analysis, Algebra and applications. No course fee is charged for participants sponsored by AICTE approved institutions. Participants from Governments Departments (Faculty/Research Scholar) and Industries are eligible, provided they meet their T.A. and D.A and pay a course fee @ (Rs. 7000/- / Rs. 5000/-) and Rs. 7000/-respectively. The registration fee to be paid in form of DD in favour of "Registrar IIT (BHU) Varanasi" through any nationalized bank and payable at Varanasi. The fee includes a kit containing the study material, tea and snacks.

How to Apply?

By Email – Scanned copy of the filled in application form duly endorsed by the forwarding authority to be mailed at qipaaa2017@gmail.com by May 31, 2017 Application format is given in this brochure. Accommodation and local hospitality will be provided to the selected candidates from AICTE approved institutions.

Important Dates:

 $\begin{array}{l} \text{Last Date of Registration: } May\ 31,\ 2017 \\ \text{Intimation of Selection: } \text{June 10, 2017} \\ \end{array}$

Course Dates: July 03-09, 2017

Note: The selected participants have to send a demand draft for Rs. 2000/- drawn on any nationalized bank in favor of "Registrar IIT (BHU) Varanasi" as a caution deposit for confirmation of their participation. The caution money will be returned back only if the participant joins the course.

Financial Assistance:

Limited number of Participants (30) from AICTE approved engineering institutions will be eligible for to and fro railway fare via shortest route in III AC class and free lodging and boarding in the Institute guest house/hostels during course period. Candidates attending the course in full only will be eligible for TA. Candidates other than AICTE participants no TA and DA will be paid by IIT (BHU) Varanasi.

Website: www.iitbhu.ac.in

Application for Registration

QIP Short Term Course on Algebra, Analysis and Applications (AAA) July 03-09, 2017

1. Name
2. a) Age b) Sex: M/F
3. Designation & pay scale
4. Organization
5. Address for correspondence
E-mail:
Phone/Mobile
6. Highest Academic Qualification
7. Specialisation
a) Teaching:
b) Industrial
9. Amount of T.A. required as per entitlement
mentioned in the brochure (only for AICTE approved
college teachers):
Please register me for the course on "Algebra,
Analysis and Applications (AAA-2017)" to be held at
IIT (BHU) Varanasi.
Date
Place Signature of the Applicant
SPONSORSHIP
Prof./Dr./Mr./Ms./Mrs./
is an employee of our institute and his/her
application is hereby sponsored. The applicant will
be permitted to attend the short term course on
"Algebra, Analysis and Applications (AAA-2017)" at
IIT (BHU) Varanasi during the date of STC, if
selected.
Date: Signature of Sponsoring Authority
Designation:
Official Seal: Date:
DULE.

Signature of the Applicant