Bharati Vidyapeeth's College of Engineering

(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi and approved by AICTE, New Delhi)

Department of Applied Science

in

Collaboration with

Professor R.Balakrishnan Endowment TRUST(RBET),Tiruchirapalli and The (Indian) Mathematics Consortium(TMC), Pune

Organizes

Compact Course on "Harmonic analysis and integral transform techniques"

17th - 19th February, 2026

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(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi)
(Approved by AICTE, New Delhi)

A-4, Paschim Vihar, New Delhi – 110063

ABOUT THE INSTITUTE

Bharati Vidyapeeth's College of Engineering (BVCOE), New Delhi has been striving to provide the best engineering education to its students through well-qualified and dedicated faculty and well-equipped modern and innovative labs since its establishment in 1999. The college is affiliated to Guru Gobind Singh Indraprastha University, New Delhi and approved by AICTE, Ministry of HRD, Government of India. The college is steadily stepping into its quest of establishing itself among the top engineering colleges in North India.

VISION OF THE INSTITUTE

To be an institute of excellence that provides quality technical education and research to create competent graduates for serving industry and society.

MISSION OF THE INSTITUTE

M1: To impart quality technical education through dynamic teaching-learning environment.
M2: To promote research and innovat
ion activities which give opportunities for life-long learning in context of academic and industry.
M3: To build up links with industry-institute through partnerships and collaborative developmental works.
M4: To inculcate work ethics and commitment in graduates for their future endeavors to serve the society.

DEPARTMENT OF APPLIED SCIENCE

The Department of Applied Sciences is functioning from the inception of the college to impart quality education for undergraduate engineering students in fundamentals of basic sciences.

Vision

The department aspires to be a centre of excellence in education in basic sciences and technology with ethical and social values.

Mission

DM1: To provide quality education through professional, problem-driven and interdisciplinary teaching methodology.

DM2: To make students sensible in terms of ethical and social values in pursuing their education.

ORGANIZING COMMITTEE

Chief Patron

Hon. Dr. Vishwajeet Kadam
Secretary, Bharati Vidyapeeth, Pune

Patron

Prof. Dharmender Saini
Principal, Bharati Vidyapeeth's College of Engineering, New Delhi

Coordinator

Prof. Sushil Kumar

Co-Cordinators

Dr. Saurabh K. Agrawal
Dr. Pidugu Trisandhya
Dr. Rupali Pandey

Organizing Committee

Dr. Vandita Sharma
Dr. Amit Sharma
Dr. Jyoti Singh
Mr. Lalit Batra
Dr. Sumit Chawla
Dr. Kaushal Sharma
Dr. Nishi D. Palo
Mr. Mohit Dayal
Dr. Saurabh Singh
Ms. Ashima Airan
Dr. Prateek Varshney
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Dr. Pooja Dwivedi
Dr. Nitu Sehrawat
Dr. Anil Kumar
Mr. Praveen Dwivedi
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Dr. Charu Arora
Ms. Ranjana Mishra
Dr. Amreeta Preetam
Dr. Rekha Bhardwaj
Ms. Anu Yadav
Dr. Ashu Soni
Dr. Akanksha
Dr. Nishu
Mr. Sandeep Patil

Student Co-ordinators

Ms.Disha Gandhi (EEE), Mr.Naimesh Verma (EEE), Gaurika Kindra (ECE-3) and Shaurya Mishra (ECE-3)

Speaker

Prof. Ajay Kumar, Ph.D., FNASc.
Senior Scientist, National Academy of Sciences, India
Former Head (Department of Mathematics) and
Former Dean (Research), University of Delhi, India

About the Speaker

Dr. Ajay Kumar is presently NASI Senior Scientist and was working as Professor in Department of Mathematics, University of Delhi. He did his M.Sc. and Ph.D. in Mathematics from University of Delhi. . His research majorly focuses on Harmonic Analysis; Representations of locally compact groups; Potential theory of Stratified Lie groups; Nilpotent Lie groups; C*-algebras; Operator Spaces; Operator systems and complex analytic methods in partial differential equations. He has published 89 research papers in International journals such as Transactions of American Mathematical Society, Journal of Functional Analysis, Potential Analysis, Math. Cambridge Philosophical Society, Mathematische Zeitschrifte, Journal of Geometric Analysis, Pacific Journal of Mathematics, Proceedings American Math. Soc, Proceeding Edinburgh Math. Society, Journal of Mathematical Analysis and Applications, Applicable Analysis, Forum Mathematicum, Positivity, Archiv der Mathematik, Complex Variables and Elliptic Systems, Boundary Value Problems, Journal of Inequalities and Applications etc. His international collaborators include E. Kaniuth, W. Hauenschild, S. Echterhoff, H. Begehr, D. Schersau, Germany; A. M. Sinclair, U.K.; O. Gebuhrer, France; T. Itoh, Japan; J. Vanegas, Venezuela. He has supervised 24 Ph.D. theses and 19 M. Phil. dissertations in University of Delhi.

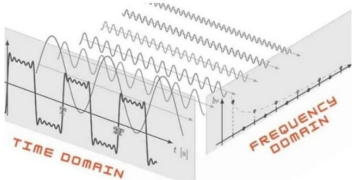
Dr. Ajay Kumar is a Fellow of National Academy of Sciences and is also recipient of NASI Senior Scientist Platinum Jubilee Fellowship. He has received 12 international research fellowships such as DAAD (German Academic Exchange Service), Commonwealth Staff fellowship, CIES French fellowship, Royal Society London Fellowship, JSPS Japanese Fellowship, DFG (German Research Foundation), Post Doctoral Fellowships of German Universities etc. He has been referee/reviewer for several national and international journals like Proceeding London Math. Society, Mathematishce Nachrichten, Studia Math. Complex variables and Elliptic equations, Journal of Operator Theory and complex analysis, Mathematical Reviews, Zentralblatt fur Mathematik etc.

PROGRAMME OBJECTIVE

The Compact Course on Harmonic Analysis and Integral Transform Techniques aims to provide a comprehensive understanding of Fourier series, Fourier transforms, and Laplace transforms along with their theoretical foundations and practical applications. The programme is designed to strengthen participants' analytical skills and enhance their ability to apply transform techniques in solving mathematical and engineering problems.

The Compact Course seeks to:

- Develop a clear understanding of Fourier series and various modes of convergence.
- Introduce the theory and properties of Fourier and Laplace transforms.
- Explain inversion formulas, convolution theorems, and fundamental identities.
- Demonstrate the role of integral transforms in solving ordinary and partial differential equations.
- Highlight applications in heat and wave equations, boundary value problems, signal processing, control systems, and electrical circuits.
- Encourage research orientation in harmonic analysis and related fields.



Mode Of Registration

Registration is free for the first 60 participants on a first-come, first-served basis.

Register using the link below to confirm your participation.

https://forms.gle/PZZLQdVqH2L9KdRB9
Or
Scan the below QR Code

Important Dates and Time

Last date for registration February 16,2026

Time: 3:00pm-5:00pm
Dates: 17th - 19TH February,2026

Venue:

F-301
Bharati Vidyapeeth's College of Engineering
New Delhi

Contact

Dr. Saurabh K. Agrawal
Contact No. 8375067857

Dr. Pidugu Trisandhya
Contact No. 9533778182

Dr. Rupali Pandey
Contact No. 8563881019