

About IIT Kharagpur



Kharagpur - a dusty town tucked away in the eastern corner of India, famous until 1950 as home to the longest railway platform in the world - became the nursery where the seed of the IIT system was planted in 1951. IIT Kharagpur started its journey in the old Hijli Detention Camp in Eastern India, where some of the country's great freedom fighters toiled and sacrificed their lives for India's independence. Spurred by the success of IIT Kharagpur, four younger IITs sprouted around the country in the two following decades, and from these five came thousands of IITians, the brand ambassadors of modern India. It was the success of this one institution at Kharagpur that wrote India's technological odyssey.

The Institute takes pride in its relentless effort to provide the best platform for both education as well as research in the areas of science and technology, infrastructure designs, entrepreneurship, law, management, and medical science and technology. IITKGP is not just the place to study technology, it is the place where students are taught to dream about the future of technology and beam across disciplines, making differences enough to change the world.



Program Features/ Structure

Classroom
Lectures - 75%

Tutorials - 25%

Program Fee

NIL for TEQIP-III sponsored participants

For others- INR 5000/-(Five thousand)

Last day of
Registration

8th

November 2019

Program Schedule and Venue

3 Days, 4th - 6th December, 2019 (10 a.m. - 5 p.m.)

Department of Mathematics,
IIT Kharagpur

Who will benefit (Eligibility)

B.Tech., M.Tech. & Ph.D. students and Faculty members from Science and Engineering disciplines.

Accommodation

Free accommodation will be provided (on sharing basis) to all of the course participants at the campus Guesthouse.

How to Apply

Use the link: <https://erp.iitkgp.ac.in/CEP/courses.htm> to apply ONLINE.

Signup → Login → Profile Fillup → Choose a Program → Apply Now

Payment if applicable is to be done **ONLINE** after getting short listed for the program.

Contact Us

Dr. Bappaditya Bhowmik
Principal Coordinator,
Department of Mathematics,
Indian Institute of Technology Kharagpur
Phone: +91-3222-282600
Email: bappaditya@maths.iitkgp.ac.in



NPIU

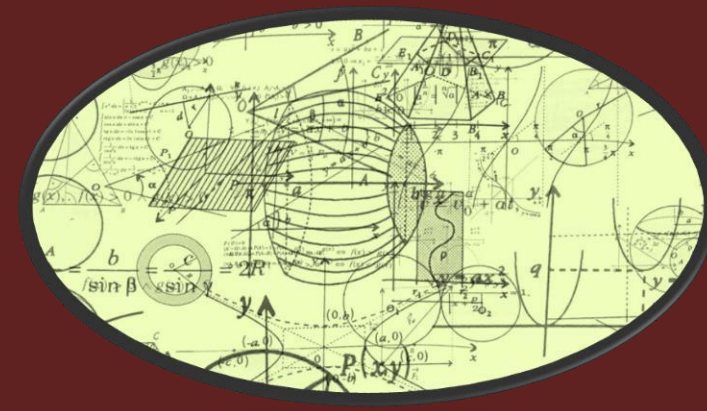
TEQIP-KIT

NPIU - A Unit of MHRD, Govt of India for
Implementation of World Bank Assisted Projects in Technical Education

Indian Institute of Technology Kharagpur

COMPLEX ANALYSIS FOR ENGINEERS

3 Days
4-6 December 2019

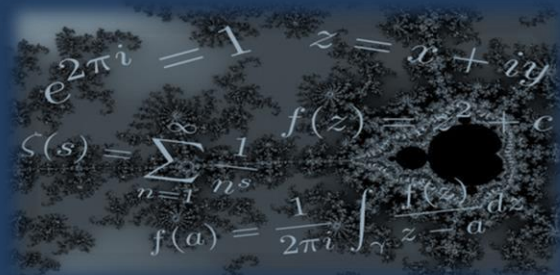


Introduction / Overview

Complex analysis is one of the most beautiful areas in Mathematics. It is widely applicable in just about any field. The course is designed in such a way that it covers some specific applications of complex analysis in the various branches of engineering sciences and its underlying theory.

Program Objectives

The objectives of this MHRD TEQIP-III sponsored short-term course is to develop sufficient knowledge in complex function theory to appreciate the beauty and usefulness of the complex variable methods and understand the fundamentals behind their many applications.



What you will learn

Program Content

Conformal Mappings and their applications to Fluid mechanics.

Harmonic functions as solutions to physical problems.

Laplace and Fourier transforms and their applications in solving ordinary and partial differential equations.

Applications of transform techniques to solve initial and boundary value problems.

About the Faculty

Dr. Bappaditya Bhowmik

Dr. Bappaditya Bhowmik is an Associate Professor of the Department of Mathematics, IIT Kharagpur. He obtained his Ph. D. from IIT Madras. His primary research interest lies in the field of Complex Analysis, and specifically in Geometric Function Theory.

Co-Coordinator

Dr. Prateep Chakraborty

Dr. Prateep Chakraborty is an Assistant Professor of the Department of Mathematics, IIT Kharagpur. He obtained his Ph. D. from Institute of Mathematical Sciences (IMSc) Chennai. His primary research interest lies in the field of Topology and Geometry, and specifically in Algebraic Topology.