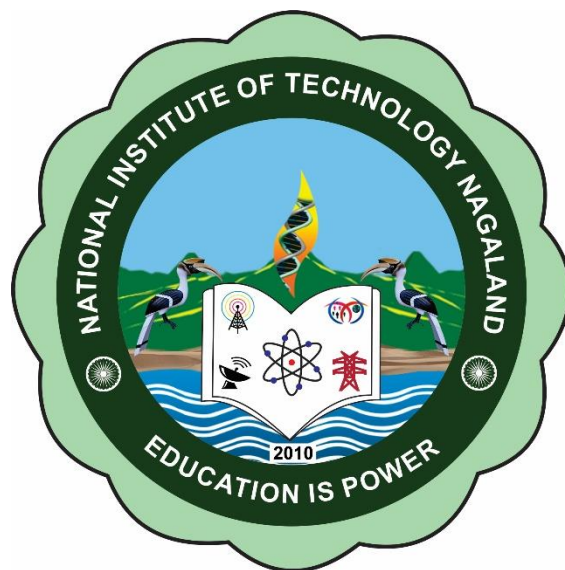


ONE WEEK SHORT TERM COURSE
ON
ALGEBRA AND OPTIMIZATION



(UNDER TEQIP-III)

10 - 14 DECEMBER, 2018

Organized By

Department of Mathematics
National Institute of Technology Nagaland
Dimapur - 797103 (Nagaland)

[REGISTER HERE](#) (LINK OF REGISTRATION FORM)

ABOUT THE INSTITUTE

National Institute of Technology Nagaland, a premier institute of higher learning, is one of the 31 NITs established by the Ministry of Human Resource Development (MHRD), Government of India. The basic aim of this Institute is to provide quality technical education, conduct original research of high standard, provide leadership in technological innovations for industrial growth and primarily for enhancing the scope of technical education in the state of Nagaland. National Institute of Technology Nagaland is located at Chumukedima, about 20 kilometres from Dimapur, Nagaland. At present there are six undergraduate courses in Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Civil Engineering and Electronics and Instrumentation Engineering and five post graduate courses in Computer Science and Engineering, Electronics and Communication Engineering, VLSI System, Power System Engineering and Physics and also Ph.D program in all existing disciplines.

ABOUT THE DEPARTMENT

The Department of Science and Humanities is a multidisciplinary department comprising of Mathematics, Physics, Chemistry, Sociology and English. The Department lays special emphasis on quality research and developmental activities and is actively involved in teaching courses in basic sciences and humanities for graduate and post-graduate engineering students. The Department of Mathematics is currently engaged in active Research on ‘Ring and Module Theories’ and ‘Optimization Techniques for Management Science’.

ABOUT THE COURSE

The Department of Mathematics, National Institute of Technology Nagaland is pleased to announce a one-week short term course on “Algebra and Optimization” from 10th to 14th December 2018. The purpose of this course is to expose young researchers and faculty members to cutting-edge research in algebra and optimization with their applications. In this course, eminent mathematicians will provide a discourse on designing mathematical models and also aid in exploring new techniques to enhance problem solving skills. Furthermore, this course aims to foster interaction among researchers from both industry and academia.

COURSE CONTENTS

- Structure of Rings and Modules
 - Order Matters (Hamel basis, ultra-products and other animals in Zorn's (lemma) menagerie)
 - Maturity Pays (How results in 'advanced algebra' helped solve problems in 'Olympiad algebra')
 - Real is Rational (How roots of unity helped settle a rationality conjecture)
 - Fuzzy Theory and its Application in Optimization
 - Supply Chain Inventory Models and their applications
 - Optimization Techniques for Production Management
-

SPEAKERS



PROF. MANGESH B. REGE

NEHU SHILLONG



PROF. DHIREN KUMAR BASNET
TEZPUR UNIVERSITY



PROF. ADRIJIT GOSWAMI
IIT KHARAGPUR



PROF. SANT SHARAN MISHRA
DR. RML AVADH UNIVERSITY, FAIZABAD



PROF. PRAKASH C. JHA
UNIVERSITY OF DELHI

HOW TO APPLY

For online registration participants are requested to [Click Here](#) on or before **15th November 2018**.

Registration fee can be paid through Demand Draft (DD) in favour of **Director NIT Nagaland**, payable at State Bank of India, Chumukedima Branch, Nagaland-797103.

OR

through Net banking with the following account details:

A/c name: **IRG NIT NAGALAND**

A/c no: **35747839287**,

IFSC Code: **SBIN0007543**

Bank and Branch : **State Bank of India, Chumukedima**

Students/ Research Scholars/ Faculty/ Scientist/ Engineers: Rs. 500/-

Submission deadline:

Scanned copy of D.D./Transaction receipt is required to be sent to e-mail (algaopt18@gmail.com) on or before **15th November 2018**.

ACCOMMODATION

All out-station participants will be provided accommodation at the Institute Hostels on payment of Rs.1000/ only (Bedding charge for five days).

IMPORTANT INFORMATION

- Total Intake: **20**
 - Registration fee covers Course Kit, Breakfast and Lunch during the Course.
 - No TA and DA will be paid to the participants.
 - Short listing of participants will be on first- come -first -serve basis.
-

ELIGIBILITY

- B.Sc./M.Sc./B.Tech./M.Tech./Ph.D. students.
 - Faculty in Educational institutions/Industry Employees.
-

IMPORTANT DATES

- Last date for receipt of Application Forms : 15th November 2018
 - Short listing of participants : 16th November 2018
 - Course Duration : December 10-14, 2018
-



HOW TO REACH

BY AIR: Regular flights from Kolkata and Delhi are available to Dimapur Airport, which is located approximately 14 kms away from NIT Nagaland.

BY TRAIN: Dimapur is well connected to different parts of India through the North-Eastern Frontier Railways. The distance between the railway station and the Institute is approximately 20 kms.

BY ROAD: Several buses ply from all major cities in North East India viz, Guwahati, Shillong, Kohima etc. to Dimapur. Apart from buses, private taxis at reasonable rates are also available from all the cities referred above.

ORGANISING COMMITTEE

PATRON

PROF. S. VENUGOPAL
DIRECTOR, NIT NAGALAND

CHAIRMAN

DR. JYOTI PRASAD BORAH
HEAD, DEPARTMENT OF SCIENCE AND HUMANITIES

COORDINATORS

DR MANOJ KUMAR PATEL
DR PREM PRAKASH MISHRA

ADVISORY MEMBERS

Dr. Amrit Puzari
Dr. Jhimli Bhattacharyya
Dr. A. Wati Walling
Dr. Debarun Dhar Purkayastha
Dr. Nirmala Devi
Dr. Nibedita Paul
Dr. Jagat Dwipendra Ray
Dr. Anirban Majumdar
Dr. Sweety Supriya

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One Week Short Term Course
on
“Algebra and Optimization”

December 10-14, 2018

(Under TEQIP – III)

National Institute of Technology Nagaland

To register for the course, click the link below:

[Register here](#)