

**TEQIP-III Sponsored
5 Days Workshop**

on

**“Optimization Techniques and Data
Analytics Tools for Engineering
Solutions”**

09th to 13th April 2018

REGISTRATION FORM

1. Name:
2. Student Research Scholar
 Faculty
3. Department:
.....
4. Address for Communication:
.....
.....
.....
.....
.....
5. Mobile no.
.....
.....
6. Mail ID
.....
.....

PAYMENT DETAILS:

Name of the Bank:
Amount:
Demand Draft Number:
Date:

Signature & Seal
(Head of Institution)

**REGISTRATION FEE FOR
PARTICIPANTS**

UG & PG Students: Rs. 500

Faculty & Research Scholars: Rs. 1000

Participants are requested to draw the demand draft in favor of “The Director, National Institute of Technology Nagaland” from any nationalized bank payable at Chumukedima

Maximum number of participants: 25

(First come first served basis)

Registration fee has been waived for internal participants

IMPORTANT DATES:

Last date of Registration: 05/04/2018

Intimation of Selection: 06/04/2018

Note: The filled registration form with scanned DD should be sent to mail id: shakila@nitnagaland.ac.in on or before registration deadline

ACCOMMODATION:

Based on the request from external participant, accommodation shall be arranged in hotels nearby, on per day basis and is separately chargeable.

**TEQIP-III Sponsored
5 Days Workshop**

on

**“Optimization Techniques and Data
Analytics Tools for Engineering
Solutions”**

09th to 13th April 2018



CONVENOR

Dr. R. Dhanalakshmi

COORDINATORS

Ms. B. Shakila

Mr. M. Prakash

**Organized by
Department of Electrical and
Electronics Engineering & Computer
Science and Engineering**

**NATIONAL INSTITUTE OF
TECHNOLOGY NAGALAND,
DIMAPUR, NAGALAND-797103
www.nitnagaland.ac.in**

ABOUT THE INSTITUTE

National Institute of Technology Nagaland, an Institute of National importance is a higher education technical Institute located at Chumukedima (Dimapur), Nagaland. The premier institute of higher learning, is one of the thirty-one institutes established by the Ministry of Human Resource Development (MHRD), Government of India. The Institute offers under graduate and post graduate programs in various branches of engineering like Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Civil Engineering and Electronics and Instrumentation Engineering.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering is one of the major departments of NIT Nagaland. This department is offering four years B. Tech. and two years M. Tech (Power Systems Engineering) programme. The department is facilitated with highly sophisticated laboratories.

The Department of Computer Science and Engineering is Research-Oriented but at the same time Student-Centered Department. The primary motto of the department is to provide high quality education. The department offers 4 years B.Tech and two years M.Tech (Computer Science and Engineering) programme.

TEQIP –III INTRODUCTION

The project, third phase of Technical Education Quality Improvement Program (referred to as TEQIP- III) is fully integrated with the twelfth Five- year plan objectives for Technical Education as a key component for improving the quality of Engineering Education existing institutions with a special consideration for Low Income States and Special Category States and support to strengthen few affiliated technical universities to improve their policy, academic and management practices.

WORKSHOP OBJECTIVES

- Introduction to Optimization Techniques
 - Optimization techniques with its implementation methodology
- Data Analytics
 - Data Entry , Univariate Analysis
 - Chi-Square
 - Anova Family
 - Correlation
 - Regression
 - Discriminant Analysis
 - Model Building and Model Comparison
 - Group comparison
 - Efficiency analysis using DEA, DFA
 - Text Analysis
 - Twitter analysis using R
 - Data cleaning and Assumption checking

RESOURCE PERSONS

Experts from reputed institutions and Industry will impart their experiences in the subject matter on optimization techniques and big data analytics methods for engineering problems.

ADDRESS FOR COMMUNICATION

B. Shakila

The Coordinator

**Department of Electrical and
Electronics Engineering,**

**National Institute of Technology
Nagaland,**

Chumukedima, Dimapur,

Nagaland-797103. India.

E-mail ID: shakila@nitnagaland.ac.in

Mobile: 9436617185

