

PROGRAM OBJECTIVE

Materials science involves disparate length and time scales spanning Angstroms to meters and femtoseconds to years depending on the problem of interest. The department of Science & Humanities, NIT Nagaland proposes an intensive course on computational Physics involving lectures and hands-on tutorials in atomistic simulations incorporating semi-empirical potentials. The Short Term Course is about recent progress in electronic structure methods and their applications. The aim is a critical discussion of methods and of possible combinations and challenging applications.

TOPICS COVERED

- Vector Calculus and its application in electric and magnetic fields.
- Theory of Relativity and Tensor Geometry Numerical Differentiation
- Numerical Integration
- Numerical techniques in physics
- Density functional theory
- Molecular dynamics
- Monte-Carlo method

ELIGIBILITY

- ❖ Faculty & (Educational Institutions)
- ❖ Student & Research Scholars
- ❖ Industry Persons

REGISTRATION FEES

Faculties: INR 1,000/-
Research Scholars: INR 500/-
Industry Person: INR 2,000/-

(No registration for internal participants)

THE DD SHOULD BE SENT TO (ONLY BY SPEED POST)

Dr. J. P. Borah
Head, Department of S&H
NIT Nagaland
Chumukedima - 797103., Nagaland

IMPORTANT DATES

Registration Deadline: 25th October, 2019
(DD in original should reach by 25th October, 2019)

HOW TO REACH

The campus is well-connected with all means of transportation. Dimapur Airport is 12.6 kms from the Institute and the distance of Dimpaur railway Station is about 17.6 kms.



PATRON

Dr. S. Venugopal
Director, NIT Nagaland

CONVENER

Dr. J. P. Borah
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CORDINATOR

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COMMITTEE MEMBERS

Dr. Amrit Puzari
Dr. A. Wati Walling
Dr. Jhimli Bhattacharyya
Dr. Debarun Dhar Purkayastha
Dr. Prem Prakash Mishra
Dr. Manoj Kumar Patel
Dr. Anirban Majumdar
Dr. Nibedita Paul
Dr. Sweety Supriya
Dr. Sandip Paul Choudhury

REGISTRATION FORM

About the Department

Name:

Designation:

Qualification:

Organization:

Address for Correspondence

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Tel. (O).....

(M).....

E-mail:

DD Particulars:

Amount:

No.....

Date.....

Bank.....

[Demand Draft (DD) should be in favour of
“Director, NIT Nagaland”, payable at SBI
Chumukedima, Nagaland]

The filled registration form with scanned DD
should be sent to mail id:

jpborah@rediffmail.com on or before
Registration deadline.

Date:

Place:

Signature of the

Applicant

The Department of Science and Humanities is a multidisciplinary department and actively involved in research as well as imparting quality teaching of the courses in basic science and humanities for engineering students. The department is equipped with good laboratories for material synthesis, characterization and applications.

ABOUT THE INSTITUTE

National Institute of Technology Nagaland, a 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 is one of the 31 NITs which falls under the ambit of the “Institute of National Importance”. NIT Nagaland is located at Chumukedima, about 19 kms from Dimapur town, Nagaland. The campus is well connected through all means of communications. At present there are six B.Tech courses namely Electrical & Electronics, Electronics & Communication, Civil, Mechanical, Electronics & Instrumentation, Computer Science & Engineering. PhD is being offered for all the above engineering disciplines as well as in basic sciences and humanities.

A SHORT TERM COURSE On “COMPUTATIONAL AND MATHEMATICAL PHYSICS”

Sponsored by
TEQIP-III
and

in Association with
**International Academy of
Physical Sciences (IAPS), India**

29 OCT-02 NOV, 2019

Organized by



DEPARTMENT OF SCIENCE & HUMANITIES

**NATIONAL INSTITUTE OF TECHNOLOGY
NAGALAND, CHUMUKEDIMA – 797103**