

ABOUT ALLAHABAD

The city of Allahabad is among the largest cities of Uttar Pradesh. It is situated at the confluence of three rivers Ganga, Yamuna and the mythological Saraswati. The sacred meeting point is known as Sangam. The Allahabad city is also famous since long for its renowned academic institutions. This city is well connected via Air, Rail and Road routes with major cities of India.

ABOUT MNNIT ALLAHABAD

Motilal Nehru National Institute of Technology (MNNIT) Allahabad, Allahabad is an Institute with total commitment to quality and excellence in academic pursuits. It was established in the year 1961 as a joint enterprise of Government of India and Government of Uttar Pradesh as MNREC, and was an associated college of University of Allahabad. On June 26, 2002 MNREC was transformed into National Institute of Technology fully funded by Government of India. The Institute has been granted the status of institution of national importance w.e.f. 15th August 2007. The institute offers B.Tech., M.Tech., Ph.D., M.C.A., M.B.A., M.Sc., M.S.W. degrees in various disciplines of sciences, engineering, technology, management and humanities.

ABOUT DEPARTMENTS

Chemical Engineering Department at MNNIT Allahabad was established as a new academic unit under the mentorship Mechanical Engineering Department in 2006. The department is endowed with young, vibrant and dynamic faculty well qualified to impart high quality teaching and research in conventional and frontier areas of Chemical Engineering. The department offers B. Tech., M. Tech. and Ph.D. programs in chemical engineering. We give our best to maintain an environment that enables students to identify and pursue their personal and professional goals within an innovative educational and research program that is rigorous as well as flexible.

ORGANIZING COMMITTEE

Patron	Prof. Rajeev Tripathi Director, MNNIT Allahabad
Chairperson	Prof. Anuj Jain Professor & Head, ChED
Conveners	Dr. Sadhana Sachan, Dr. M. Siraj Alam
Coordinators	Dr. Sushil Kumar Dr. Shabih-UI Hasan
Organizing Secretaries	Dr. Ankur Gaur Dr. Suantak Kamsonlian
Treasurer	Dr. Shabih-UI Hasan
Advisory Chairs	All Deans All Heads of the Departments/Cell

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Department of Chemical Engineering
MNNIT Allahabad,
Allahabad, (U P) . 211004

Self financed

Short Term Course

On

**Modelling and Optimization of
Chemical & Biochemical Processes
(MOCBP-2017)**

January 16-21, 2017

Conveners

**Dr. Sadhana Sachan
Dr. M. Siraj Alam**

Coordinators

**Dr. Sushil Kumar
Dr. Shabih-UI Hasan**



Organized by

**Department of Chemical Engineering
Motilal Nehru National Institute of
Technology Allahabad
Allahabad - 211004, INDIA**

About the course

In the era of scarcity of energy and space, it is essential to improve design, safety and yield of a process with minimum capital and operating cost. One week short term course on Modeling and Optimization of Chemical & Biochemical Processes+ is proposed to impart knowledge on fundamental concept of modeling, simulation and optimization of various processes frequently encounter in chemical and biochemical industries and to develop an understanding about process dynamics and plant behavior.

Broad Course topics

1. Fundamentals & Operational principles of Chemical and biochemical processes.
2. Modeling and simulation of:
 - (a) Chemical reactors
 - (b) Biochemical reactors
 - (c) Energy and separation Units
3. Mathematical methods to handle Chemical and biochemical models in process industries.
4. Optimization techniques especially for Chemical and biochemical processes.
5. Software based simulation and optimization of Chemical and biochemical processes.
6. Hand on experience of various Chemical and biochemical reactors and units.

COURSE MATERIAL

Course material will be provided to the participants in the form of slides, lecture notes, software and e-books.

FACULTY/ SPEAKERS

Experts in the area of Modeling and Optimization will be invited from MNNIT Allahabad primarily, as well as other reputed institutions and industries.

REGISTRATION FEE

U.G. /P.G. Students: **Rs. 500/-**
Research Scholars: **Rs. 1000/-**
Participants from academic institutions: **Rs. 1500/-**
Participants from the industries/govt org: **Rs. 2500/-**

Registration fees include: Program kit, lunch, and tea during the course.

MODE OF PAYMENT

Participants can make payment by deposit the registration fee through online payment mode: NEFT/IMPS etc. in Account No. 718400301000225 (MOCBP-2017) of Vijaya Bank MNNIT Allahabad (Branch Code: 007184; MICR Code: 211029004; IFSC Code: VIJB0007184).

The payment can also be made through Demand Draft in favour of MOCBP-2017+, payable at Allahabad

IMPORTANT DATES

Last date for receiving applications: **10th Jan. 2017**

Confirmation of participation: **12th Jan. 2017**

TARGET AUDIANCE

U.G./P.G./Ph.D. students of Chemical Engineering and allied disciplines/Chemical and Bio-sciences/ Environment Engineering interested to pursue research in modelling and optimization will be immensely benefited. Faculty members, Engineers and Scientists from industries and academic institution/organizations working in the area of modelling and optimization are expected to join this course.

VENUE

Course will be held at Chemical Engineering Department, MNNIT Allahabad. The short term course will be inaugurated at 10:30 A.M. on 16th January 2017.

ACCOMMODATION

Accommodation in the Executive Development Centre/Hostels of the Institute will be provided on payment basis with an advance request.

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Department of Chemical Engineering
MNNIT Allahabad

REGISTRATION FORM

NAME (BLOCK LETTERS):

Gender: M / F

DESIGNATION: _____

INSTITUTION / ORGANIZATION:

MAILING ADDRESS:

MOBILE: _____

EMAIL: _____

Highest Qualification : _____ Experience : _____ Yrs.

PAYMENT: D.D. No.: _____ Dt. _____ Rs. _____
[Demand draft should be drawn in favour of "MOCBP-2017", payable at Allahabad]

UTR No.: _____ Dt. _____ Rs. _____

[For RTGS/NEFT payment]

Date:

Signature of Applicant