



NMAM INSTITUTE OF TECHNOLOGY

(A Unit of Nitte Education Trust, Mangaluru)

(An Autonomous Institute under VTU, Belagavi)

NMAM Institute of Technology was established in 1986. The college is affiliated to the Visvesvaraya Technological University, Belagavi and is recognized by the All India Council for Technical Education (AICTE), New Delhi. Institute is accredited by National Assessment & Accreditation Council (NAAC) and all the programs are accredited by National Board for Accreditation (NBA). Institute is certified to the ISO 9001-2008 standards for quality education by NVT Quality Certifications (ANAB accredited). The institution has been granted Academic Autonomy under the Visvesvaraya Technological University from 2007-08. The Institute offers graduate programs in 7 branches of Engineering – Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Information Science and Engineering, Mechanical Engineering and Biotechnology. The college also offers postgraduate programs like Master of Technology, Master of Computer Applications and Master of Business Administration. All departments have been recognized as research centers for offering M.Sc. (Engg.) & Ph.D. programmes under VTU, Belagavi.

DEPARTMENT OF BIOTECHNOLOGY ENGINEERING

Established in 2002, the Department of Biotechnology Engineering trains the students in biological applications of Engineering principles in order to accomplish excellence in Biotechnology research and creating manpower for the benefit of society and human kind with an emphasis on present and future global needs. The department offers B.E. programme in Biotechnology (NBA accredited for 5 years, 2012-17) with an approved intake of 60, M.Tech. in Industrial Biotechnology with an intake of 18, M.Sc. Engg. and Ph.D. programme in Biotechnology. Faculty of

Biotechnology department have received research grants totaling Rs.16 Million from various funding agencies like VGST, DST, DBT, BRNS, KSBDB and KSCST. The department has filed five patents based on research work. The laboratories provide good work ambience with state of the art instruments to enable the students to carry out projects and acquire expertise in handling the instruments.

HOW TO REACH NITTE

The Institute is located on the Padubidri-Karkala State Highway which is well connected with Mangaluru (55KM) and Udupi/Manipal (45Km) through NH66 & NH169. The participants can alight at Mangaluru or Udupi Railway Stations/Bus Terminals, or Mangaluru Airport to reach the Institute.

THEME OF THE WORKSHOP

The bioprocess and chemical processes are generally designed to produce maximal output from minimal use of raw materials. In fact this is the key component of process economics. The process optimization is strongly backed by the concepts of statistics, experimental designs and process modeling. This workshop aims to provide hands on experience in process optimization using the software tool.

OBJECTIVES

1. To develop manpower with primary knowledge in bioprocess optimization and experimental design.
2. To train the participants for designing the experiments based on statistical methods using the software tool.
3. To perform the wet lab experiments based on the experimental designs.
4. To analyze and interpret the results using the software tool.

TOPICS COVERED IN THE WORKSHOP

1. Fundamentals of Process Optimization
2. Statistical Concepts and Applications
3. Use of Software for Process optimization
4. Experimental Designs to be covered: Screening Design (Plackett Burman), Optimal design (RSM, Box-Behnken).
5. Simple laboratory experiments to demonstrate experimental designs and their analysis.

WHO CAN PARTICIPATE

Faculty from engineering & life science colleges, delegates from industry, PG students and PhD Research Scholars who are pursuing/planning to pursue research involving process optimization can attend the workshop. Selection is on first -come first - served basis. Hence interested candidates are requested to communicate with co-ordinators through e-mail/phone for availability of slots before despatching application form.

Maximum number of participants is restricted to 25.

REGISTRATION DETAILS

Registration Fee: Rs. 2000/-

(Non-refundable)

Mode of Payment :

DD in favor of The Principal, NMAMIT, Nitte payable at Nitte (along with Registration form).

Accommodation: Limited accommodation (free) is available (twin sharing) on a first-come first-served basis. For further details contact Coordinators (bte.nmamit@gmail.com).

IMPORTANT DATES

(Enquire about availability of slots with Coordinators before sending the form)

Last Date to receive Registration form

along with DD : **14th January 2017**

E-mail Confirmation to Participant : **16th January 2017**

Workshop Date : **23rd to 25th**

January 2017

For more details contact:

Co-Ordinators:

Prof. Venkatesh Kamath H. (Mob: 9482097873)

Prof. Vinayaka B. Shet (Mob: 9448452511)

Email Id: bte.nmamit@gmail.com

Hardcopies to be sent to

Dr. C. Vaman Rao

Organizing Chairman, Professor and Head

Department of Biotechnology Engineering

NMAM Institute of Technology, Nitte

Karkala Taluk – 574 110, Udupi District, Karnataka

Mob: +91 9880675650

Email: vamanrao@nitte.edu.in



TEQIP Phase 2 Sponsored
Three Day
National Level Workshop on
Optimization Techniques
23rd to 25th January 2017



REGISTRATION FORM

(Write in Capital Letters)

Name : Dr./Mr./Ms.....

Designation :

Sex (Male/Female) :

Department :

Institution/Organization :

Address (for correspondence):
.....
.....
.....

Pin code :

Mobile No. :

Email Id :

Accommodation required (Yes/No) :

Payment Details:

Amount :

DD No : Date :

Bank :

Declaration by the Participant

The information furnished above is true to the best of my knowledge. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the coordinator sufficiently in advance, in case I am unable to attend the programme.

Signature:

Date :

Place :

Endorsement by the Head of the Institution
(Photocopies can be used)

Chief Patron:

Sri. N. Vinaya Hegde

President, Nitte Education Trust
Chancellor, Nitte University.

Patron:

Dr. Niranjan N. Chiplunkar

Principal, NMAMIT

Organizing Chairman:

Dr. C. Vaman Rao

Prof. & Head, Dept. of Biotechnology Engg.

Advisory Committee:

Dr. Ramesh R Mithanthaya, Vice Principal & Dean

Prof. Yogesh Hegde, Registrar, NET campus, Nitte

Dr. Srinivasa Rao B R, Vice Principal & COE

Dr. Krishna Shenai, Director (R&D)

Dr. A.N. Parameswaran, Director, IIC.

Dr. Sudesh Bekal, Dean R & D

Dr. Subrahmanya Bhat, Dean (Student Welfare)

Dr. Srinivas Pai P, Dy. COE

Dr. Muralidhara, PG Coordinator

Dr. Shrinath Shetty, Resident Engineer

Dr. Ujwal P., Professor

Dr. Vidya S.M., Professor

Co-Ordinators:

Prof. Venkatesh Kamath H., Assistant Professor

Prof. Vinayaka B. Shet, Assistant Professor,

Dept. of Biotechnology Engg.

Organizing Committee:

Dr. Shayama Prasad S.

Dr. Anil Kumar H.S.

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Prof. Sandesh K.

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Prof. Harshitha J.



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**Three Day
National Level
Workshop on**



**OPTIMIZATION
TECHNIQUES**

23rd - 25th January 2017

Funded by

**Technical Education Quality Improvement Programme
(TEQIP – Phase 2), New Delhi**

Organized by :

**Department of Biotechnology Engineering
NMAM Institute of Technology, Nitte**

NITTE, Karkala Taluk - 574 110

Udupi District, Karnataka, India

<http://www.nitte.ac.in/nmamit>