



Faculty Development Programme (FDP) On
**SOFT COMPUTING TECHNIQUES FOR MODELING & OPTIMIZATION
IN MECHANICAL ENGINEERING**

13th - 15th March 2019

Under

Lead College Activity, Shivaji University, Kolhapur, M.S., India



Shri Balasaheb Mane Shikshan Prasarak Mandal, Ambap's

ASHOKRAO MANE GROUP OF INSTITUTIONS

Faculty of Engineering and Management Studies

Vathar Tarf Vadgaon, Tal: Hatkanangle, Dist: Kolhapur – 416112, Maharashtra State, India.

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NAAC accredited "A" Grade, ISO 9001-2008 Certified,

NBA accredited programs (Mechanical, Electrical and Civil Engineering)

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Mr. S. H. Patil

Mr. S. S. Todkar

Mr. A G Sandi

Mr. T. A. Mulla

Mr. S. P. Wategave

To,
The Principal/ Director,

Subject: Invitation for Faculty Development Program (FDP) 13th to 15th March 2019, Under Lead College Activity of Shivaji University, Kolhapur.

Dear Sir/ Madam,

It is our immense pleasure to inform you that the Ashokrao Mane Group of Institutions (AMGOI) is organizing a Faculty Development Program (FDP) on, "SOFT COMPUTING TECHNIQUES FOR MODELING & OPTIMIZATION IN MECHANICAL ENGINEERING" under Lead College Activity, Shivaji University, Kolhapur, M.S., India.

This course provides coverage of modeling and optimization techniques used in Mechanical Engineering applications. The course contents will be taught by eminent experts in the field, having adequate teaching and research experience. This course will be beneficial to faculty and scholars from all Mechanical engineering disciplines as a potential computing tool in their research activities.

We request you to give this FDP a wide publicity by circulating this brochure and encouraging faculty to participate in the program. We hope you will positively reply soon.

More details of FDP are available at our website

<http://www.amgoi.org/fdpmech>

FDP Date: 13th – 15th March 2019

ADDRESS FOR REGISTRATION

Mr. S. P. Nevagi

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Mr. R. A. Patil

Email: rahulp@amgoi.edu.in

Mobile: 9403233264

Thanking You.

Yours Sincerely,

Mr. S. P. Nevagi, Mr. R. A. Patil
Coordinators

Prof. (Dr.) H. V. Shete
H.O.D.
Mechanical Engineering

Dr. D. N. Mudgal
Director,
AMGOI, Vathar

Shri Balasaheb Mane Shikshan Prasarak Mandal, Ambap's
**ASHOKRAO MANE GROUP OF
INSTITUTIONS (AMGOI), VATHAR**

**Faculty of Engineering and
Management Studies**

**Faculty Development Program
on**

**SOFT COMPUTING TECHNIQUES FOR
MODELING & OPTIMIZATION IN
MECHANICAL ENGINEERING**

13th to 15th March, 2019

REGISTRATION FORM

Name:

Designation:

Institution:

Contact Number:

E-mail id:

Signature of the Applicant

**Sign of HOD/ Head of the Institution
With seal**

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President, Shri Balasaheb Mane Shikshan Prasarak Mandal, Ambap

Hon. Shri. Vikasrao A. Mane

Executive President, Shri Balasaheb Mane Shikshan Prasarak Mandal, Ambap

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Mr. N. D. Jadhav, ndj@amgoi.edu.in, 7709520936

Mr. M. A. Sutar, mas@amgoi.edu.in, 8600060042

RESOURCE PERSONS

Prof. (Dr.) V. D. Shinde

Prof. (Dr.) H. V. Shete

Prof. (Dr.) A. A. Miraje

Prof. (Dr.) S. J. Raykar

Prof. S. H. Shete

ORGANIZING MEMBERS

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Management Studies**

**NAAC ACCREDITED 'A' GRADE,
NBA ACCREDITED PROGRAMS-**

(MECHANICAL, ELECTRICAL and CIVIL Engg.)



**Faculty Development Program
on**

**SOFT COMPUTING TECHNIQUES
FOR MODELING & OPTIMIZATION
IN MECHANICAL ENGINEERING**

13th - 15th March 2019

**Under Lead College Activity of
SHIVAJI UNIVERSITY, KOLHAPUR,
M.S., INDIA**



Organized by

**DEPARTMENT OF MECHANICAL
ENGINEERING
2018-2019**

ABOUT THE INSTITUTE:

Shri Balasaheb Mane Shikshan Prasarak Mandal, Ambap's, Ashokrao Mane Group of Institutions (Integrated Campus) Vathar tarf Vadgaon is one of the Rural-semi urban society centered and focused educational institute's group. It was started in 2009 to promote technical education and management studies in this part of Maharashtra state. Honorable Ashokraoji Mane Saheb dreamed of education. Shri Balasaheb Mane Shikshan Prasarak Mandal took its birth, with a holy intension of bridging the gap between 'literate & illiterate'. Accordingly, near about 30 various educational institutes are established for quenching the thirst of knowledge oriented people. The educational campus is located at Vathar tarf Vadgaon, Tal-Hatkanangale; Dist-Kolhapur. The campus is spread across 20 acres of lush greenery with well-planned infrastructure.

AMGOI is one of the youngest technical institutes that have been accredited by NAAC with "A" grade in Maharashtra. Highly qualified, experienced and dedicated faculty are working as per AICTE New Delhi, DTE Mumbai, DBATU (Lonere) Raigad and Shivaji University Kolhapur. Consistently, our students have secured top ranks in Shivaji University merit list and achieved 95 % average results every year. Outcome based education as per "Washington Accord" standards with strong industry-academia interaction and practical oriented training is implemented. Institute has ventilated and spacious classrooms full-fledged and modernized laboratories with spacious drawing hall. Another feather in cap of successes has bagged by the institute. Institute has been accredited by NBA for its three courses (Mechanical, Electrical and Civil). AMGOI has been awarded with "Best Engineering Institute (Engineering) 2018-19 as well as

"Recognition of Institution of National Excellence" 2018-19 by ISTE New Delhi.

ABOUT DEPARTMENT:

Mechanical Engineering program is NBA accredited. The department has 4 Doctorate and 13 Ph.D pursuing faculty. Five students of the department have secured ranks in Shivaji University merit list. Final year student's project entitled "Design & manufacturing of special purpose drilling machine" has been awarded with prestigious ISTE Maharashtra State Engineering Design National Award (First Prize), in ISTE Annual Students Convention held at L. D. College of Engg., Gujrat on 03rd Jan 2019.

ABOUT THE FACULTY DEVELOPMENT PROGRAMME (FDP):

This course provides coverage of modeling and optimization techniques used in Mechanical Engineering applications. The course contents will be taught by eminent experts in the field, having adequate teaching and research experience. This course will be beneficial to faculty and scholars from all Mechanical engineering disciplines as a potential computing tool in their research activities. The prime objectives of this FDP are:

1. To understand the fundamentals of Modeling and Optimization.
2. To know the application procedure and details of soft computing techniques for modeling and optimization.

TOPICS TO BE COVERED:

1. Multi objective optimization and modeling by using Desirability function and Fuzzy logic
2. Optimization techniques using MATLAB

3. Simulation and Optimization of Casting
4. Design of experimentation and analysis by Taguchi method
5. Open Discussion and Hands on MATLAB

RESOURCE PERSONS:

Well experienced and eminent persons from reputed institute and industry.

TARGET AUDIENCE:

Faculty from cluster colleges under lead college activity of Shivaji University. Also, Faculty from other engineering/diploma colleges may participate. Further, researchers and practicing engineers from industry may also apply.

REGISTRATION:

The interested aspirants are required to download the brochure from www.amgoi.org and send the filled in registration form duly signed by the Head of the Dept./Institution to the Chief Coordinator. Registration is free for all participating faculty, however seats are limited and on first come basis.

IMPORTANT DATES:

Last Date for Registration: 11th March 2019.

(Limited Seats: On First come basis)

Date of FDP: 13th to 15th March 2019

ACCOMMODATION:

Participants have to make their own arrangements for travel, boarding and lodging etc.

ADDRESS FOR REGISTRATION:

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Mr. R. A. Patil
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