

# National Conference on Mechanical Engineering in Next Decade (NC-MEND2017)



## GOVERNMENT COLLEGE OF ENGINEERING, KARAD

(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)

KARAD-415124, MAHARASHTRA (INDIA)

IN ASSOCIATION WITH

THE INSTITUTION OF ENGINEERS (INDIA),

PUNE LOCAL CENTRE

March 10-11, 2017

REGISTRATION FORM

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Mobile No.: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Title of Paper: \_\_\_\_\_

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Accommodation required: Yes/ No

Registration Fee: Rs. \_\_\_\_\_

DD No. \_\_\_\_\_

Date \_\_\_\_\_

Drawee Bank \_\_\_\_\_

Signature of Applicant: \_\_\_\_\_

Signature & Designation

of sponsoring authority : \_\_\_\_\_

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## GOVERNMENT COLLEGE OF ENGINEERING, KARAD

(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)

KARAD-415124, MAHARASHTRA (INDIA)

## NATIONAL CONFERENCE ON

## MECHANICAL ENGINEERING IN NEXT DECADE

(NC-MEND2017)

MARCH 10-11, 2017

ORGANIZED BY



## DEPARTMENT OF MECHANICAL ENGINEERING

IN ASSOCIATION WITH

THE INSTITUTION OF ENGINEERS (INDIA),

PUNE LOCAL CENTRE

SPONSORED BY

## TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME

(TEQIP PHASE-II)



### About GCEK

Govt. College of Engineering, Karad is a Premier Institute in Western Maharashtra established in 1960 due to the efforts of Late Shri. Yashawantrao Chavan. The college is autonomous and accredited by NBA and affiliated to Shivaji University, Kolhapur. The Institute offers five UG programmes in Civil, Mechanical, Electrical, Information Technology, Electronics & Telecommunication Engineering and six PG programmes in Civil (CM & Structural Engg.), Mechanical (Heat Power Engg. & Production Engg.), Electrical Engineering (Power Systems) and Master of Computer Applications (MCA). Amongst sixteen Institutes from the state of Maharashtra, Govt. College of Engineering, Karad is selected for participation in the second phase of Technical Education Quality Improvement Programme (TEQIP-II). The Institute is spread over 40 acres of serene and green residential campus. Karad is situated on the confluence of rivers Krishna and Koyna and is well connected by rail and road. The city is about 160 km from Pune.

### The Department

The department of Mechanical Engineering is committed to excellence in teaching. The department offers UG and PG courses (Production and Heat Power) and has PhD research center recognised by Shivaji University, Kolhapur. The department has a team of forward looking professionals who are passionate about excellence. The department has a set of modern laboratories which cater to UG, PG and PhD requirements. The faculty members of the department are actively engaged in R&D and consultancy activities. Presently, several research projects sponsored by agencies like AICTE, DST, TEQIP, RRCAT and various industries are being carried out.

### NC-MEND2017

The theme of the conference attempts to look into future trends and their possible impacts on mechanical stream. The main objective behind organizing this conference is to provide a platform for researchers from academia and corporate to share latest research work going on in both places in the larger interest of students, faculty members and participants of the conference. In addition to technical presentations this conference will include keynote and plenary speakers and networking opportunities. The theme is futuristic and can add value to Mechanical Engineering in more than one way.

### NC-MEND2017 THEME

Research papers are invited in following themes (but not limited to) from researchers, academicians, industry professionals and PG students

#### DESIGN ENGINEERING

- Product Design and Development (CAD-CAM-CAE)
- Vibrations and Noise Monitoring
- Acoustic Emission
- Wear and Tribology
- Biomechanics
- Finite Element Analysis
- Nanomechanics
- Mechanical System Design

#### THERMAL AND FLUID ENGINEERING

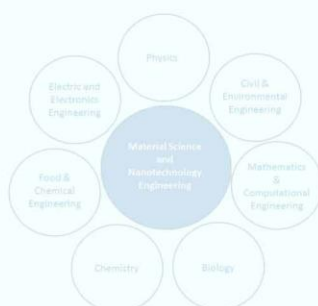
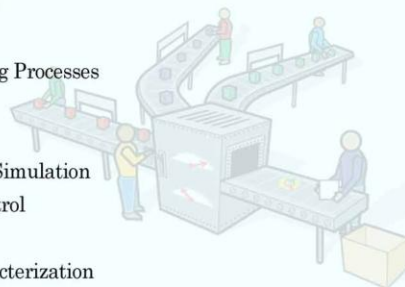
- IC Engines
- Alternate Fuels
- Computer Simulation and Design of Thermal Systems
- Refrigeration & Air Conditioning Systems
- Energy Conservation
- Renewable Energy Sources
- Heat and Mass Transfer
- Natural convection Microchannel Heat Exchangers
- Fluid Mechanics & Machines
- Computational Fluid Dynamics (CFD)

#### MANUFACTURING ENGINEERING

- Metal Cutting
- Non-traditional Manufacturing Processes
- Metal Forming and Joining
- Metal Casting and Molding
- Optimization, Modelling and Simulation
- Production Planning and Control
- Micromachining
- Materials and Material Characterization
- Additive Manufacturing

#### INTERDISCIPLINARY

- Automation and Robotics
- Mechatronics
- Internet of Things (IoT)
- Artificial Intelligence
- Signal Processing
- Control Engineering
- MEMS and NEMS
- Software Engineering



### Best Paper Award

One research paper will be selected for Best Paper Award on the recommendations of the judges from each theme.

### Submission guidelines

Those who wish to contribute at technical sessions are requested to submit abstract in MS Word of about 250 words and six keywords. Soft copies of abstract and full length original paper (with copyright format, paper format and IMPARC membership form) should be sent to [ncmend@gcekarad.ac.in](mailto:ncmend@gcekarad.ac.in). Submitted papers will be reviewed by the review committee. Selected papers will be published in Journal of Advances in Science & Technology (JAST) - ISSN:2330-9659. Each author (restricted to three authors/paper) of accepted paper will get Publication Certificate and IMPARC (Ignited Minds Professional & Academic Research Consortium) Membership Certificate. Conference proceedings having ISBN No. will be distributed to all delegates, whose papers are selected.

### Dates to be remembered

Submission of Full Paper with Abstract	February 20, 2017
Notification of Acceptance	February 28, 2017
Last Date of Registration	March 3, 2017
Conference Date	March 10-11, 2017

### Delegate fees

Delegates from Industry	Rs. 2000/-
Academicians	Rs. 1000 /-
PG Students/ Research Scholars	Rs. 500/-

Fee covers conference kit, proceedings with CD and local hospitality. The registration form duly filled in along with delegate fee by DD drawn in favor of "The Principal, GCE, Karad" should be sent to the Organizing Secretary, Department of Mechanical Engineering, Govt. College of Engineering, Karad on or before March 3, 2017.

### Location

Karad is situated on Pune-Bengaluru National Highway (NH 04) and is well connected to Mumbai and Pune by bus/train. Railway Stations Nearby: Karad (4 km), Pune (160 km) Bus Stops Nearby: Karad (2 km)

### Accommodation

Accommodation can be arranged at College Guest House and Hostels at nominal charges on first come first serve basis. Hotel accommodations can be made available for interested delegates on their request. Travelling and lodging are to be borne by delegates.

### For more details

Websites: [www.gcekarad.ac.in](http://www.gcekarad.ac.in) <http://events.imparc.in/nc-mend2017/>

E-mail: [ncmend@gcekarad.ac.in](mailto:ncmend@gcekarad.ac.in)