



**GOVERNMENT COLLEGE OF ENGINEERING, KEONJHAR, ODISHA  
(DEPARTMENT OF MECHANICAL ENGINEERING)**

**PRESENTS**

*A National Seminar*

# **AME'18**

**ADVANCES IN MECHANICAL ENGINEERING**

**AN OVERVIEW**

**IN ASSOCIATION WITH  
SOCIETY OF MECHANICAL ADVANCEMENTS  
(GOVT. COLLEGE OF ENGG., KEONJHAR)**





## DATE

**24<sup>th</sup> & 25<sup>th</sup> January, 2018**

## VENUE

**SEMINAR HALL,  
GCE KEONJHAR, ODISHA**

## About AME'18

Advances in Mechanical Engineering is a National level seminar that aims to bring industrial communities, students, researchers and various academicians together to share knowledge and ideas on a common platform among them. Researchers from various field are making continuous effort to apply velocity towards the advancements in recent technology for sustainable development and this seminar will provide them a platform to share their achievements, which will be recognized at a National Level. The ideas and research output from the industries and academia discussed during this two-day symposium will be beneficial to all participants.

## OBJECTIVES

- **To provide a common platform to share knowledge at National level.**
- **To emphasize and bridge together the vacuity between industries and academia.**
- **To publish the research output during this symposium with international recognition.**





## The Institution

Government College of Engineering proudly presents itself as one of the premiere institute in Northern Odisha near the foothills of Judia Ghat. The establishment of this institute is itself a revolutionary accomplishment and a constant source of inspiration since its inception in 1995. We currently offer B.Tech courses for Mechanical, Elect., Mining, Mineral, Metallurgy, CSE and Civil Engineering.

It has carved a niche for itself in Odisha for academic excellence and holistic development of student placing it as one of the top-rated college in the state. The mission of the college is to provide quality education accessible even to the lowest strata of the society. The college strongly believes in channelizing the productive endeavors of students and staffs towards research and innovations to create and share knowledge in global context.

## CALL FOR PAPER

Technical research papers for proceeding / oral presentation of original work are invited for academicians, researchers, scholars, people from industries and students working on major / minor projects covering experimental and theoretical aspects of any of the following topics.

### 1. Design Engineering

- Analysis and Design of Mechanical Systems
- CAD/CAM, Failure Analysis
- Condition Monitoring
- Finite Element Methods
- Product Design & Development
- Robotics, Robust Design & Rotor Dynamics
- Mechanisms, Vehicle Dynamics and Vibrations
- Mechatronics

### 2. Material Engineering

- Composite Materials and their Characteristics
- Nano Materials
- Powder Metallurgy, etc.

### 3. Thermal Engineering

- Automobile Engineering & Alternative Fuels
- Combustion & Internal Combustion Engines
- Energy Management and Audit
- Fluid Mechanisms and Micro Fluidics, Fluid Power System
- Computational Fluid Dynamics
- Gas Dynamics & Gas turbines
- Heat and Mass Transfer
- Refrigeration & Air Conditioning
- Renewable Sources of Energy





## About SMA

Society of Mechanical Advancements (SMA) was established in order to serve as a platform for the collaboration of students with the industries. SMA aims to improve the practical knowledge of the students by organizing various competitions, seminars, training, conferences, publications, and other professional activities to tackle the changing industrial scenarios and challenges.

### IMPORTANT DATES:

- Last date of submission of abstract or full paper: **26<sup>th</sup> Dec, 2017**
- Intimation of acceptance of abstract / full paper: **14<sup>th</sup> Jan, 2018**
- Last date of registration: **20<sup>th</sup> Jan, 2018**
- Request for Accommodation on or before: **21<sup>st</sup> Jan, 2018**

## 4. Manufacturing

- Conventional Machining
- Micro and Nano Manufacturing
- Modeling and Simulation of Manufacturing System
- Nano Material Processing
- Flexible Manufacturing System
- Additive Manufacturing
- Advance Manufacturing Process
- Advances in Welding/ Casting/ Forming processes
- CIM/CAM & Rapid Prototyping
- Unconventional Machining and Lean Manufacturing

## 5. Management

- Manufacturing Management
- Product Life Cycle Management
- Quality Engineering
- Reliability Engineering & Supply Chain Management
- Soft Computing Techniques

## GUIDELINES FOR AUTHOR

Authors are requested to send their original contribution with a structured abstract within 300 words set out under 4-7 sub-headings:

- **Introduction (mandatory)**
- **Design/methodology/approach**
- **Research Findings**
- **Research limitations/implications (if applicable)**
- **Practical implications (if applicable)**
- **Social implications (if applicable)**
- **Conclusion (mandatory).**

The document should be mailed in .doc / .docx format to the following address:

[ame2017-18@gcekr.ac.in](mailto:ame2017-18@gcekr.ac.in)

(For any further queries please mail us at the above address, we will respond telephonically as soon as possible)

## HIGHLIGHTS

- The accepted papers of the Seminar will be published with ISBN/ISSN number.
- Live HD broadcast of the entire seminar with continuous featuring of sponsors logo.
- A special take away kit for all the sponsors and delegates.

## REGISTRATION FEES

- Students/Research Scholars  
Rs 200/-
- Delegates from Educational institutes  
Rs 500/-
- Delegates from Industries  
Rs 1000/-

## SPONSORSHIP

### Diamond Level Sponsorship - Rs 75,000/- (Limited to 2 Sponsors)

- One 30-minute presentation to the entire audience.
- Free Registration for up to 3 members.
- Logo will be displayed on all literature and online promotions as a Diamond Sponsor.
- Logo will be printed in main banners, posters, booklets and souvenir.
- Special Mementos (Large size) with name imprinted, for delegates.
- Premium hospitality for 3 members.

### Platinum Level Sponsorship - Rs 60,000/- (Limited to 3 Sponsors)

- One 15-minute presentation to the entire audience.
- Free Registration up to 2 members.
- Logo will be displayed on all literature and online promotions as a Platinum Sponsor.
- Logo will be printed in main banners, posters and souvenir.
- Mementos (Medium) with name imprinted, for delegates.
- Premium hospitality for 2 members.

### Gold Level Sponsorship - Rs 45,000/- (Limited to 4 Sponsors)

- One 10-minute presentation to the entire audience.
- Free Registration up to 2 members.
- Logo will be displayed on all literature and online promotions as a Gold Sponsor.
- Logo will be printed in main banners and souvenir.
- Mementos (Medium) for delegates.
- Premium hospitality for 2 members.



# NOTE

The registration form is available at college website and should be duly filled and mailed to the college along with Demand Draft of requisite fee. The DD should be done in favor of "PRINCIPAL, Government College of Engineering" Payable at Keonjhar. (For convenience please mail us on the given mail Id.)

## Silver Level Sponsorship - Rs 30,000/-

- 2 Minute "elevator pitch" to entire audience.
- Free Registration up to 2 members.
- Logo will be displayed on literature and online promotions as a Silver Sponsor.
- Logo will be printed in secondary banners and souvenir.
- Mementos (Medium) for delegates.
- Good Hospitality for 2 members.

## Bronze Level Sponsorship - Rs 15,000/-

- 1 Minute "elevator pitch" to entire audience.
- Free Registration for 1 members.
- Logo will be displayed on literature and online promotions as a bronze Sponsor.
- Logo will be printed in secondary banners and posters.
- Mementos (small) for delegates.
- Good Hospitality for 1 members.

The national seminar will provide sponsors enough exposure and recognition at a national level and will make complete effort to provide everything needed to assure a hassle-free experience.



## NATIONAL ADVISORY COMMITTEE

- **Dr. Ashok Kumar Sahu**  
[Chief Scientist, CSIR, IMMT BBSR]
- **Dr. Santosha Kumar Dwivedy**  
[Prof. HOD, IIT Guwahati]
- **Dr. Dayal RamaKrushna Parhi**  
[HOD, Mechanical, NIT RKL]
- **Dr. Ranjit Kumar Sahoo**  
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[Principal, P MEC BRMPR]
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[Prof., VSSUT BURLA]
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[Sr. Inspector of Mines, Keonjhar Mining Zone]
- **Dr. S. C. Khattoi**  
[(Ex-GM OCL) Managing Director, Minmet, Consultancy Pvt. Ltd. Keonjhar]

## ORGANIZING COMMITTEE

1. **Patron:** **Dr. N. Thirumala Naik, IAS**  
(District Collector, Keonjhar)  
**Prof. Dr. Trilochan Sahu, Principal**
2. **Convener:** **Prof. Dr. R C Mohapatra**
3. **Editor:** **Prof. Dayanidhi Jena**
4. **Members:** **Prof. Sudhansu Sekhar Mishra**  
**Prof. Sudhansu Meher**  
**Prof. Mukesh Bathre**  
**Prof. Ramesh Chandra Khamari**  
**Prof. N C Patel**
5. **Students Co-Ordinator's:**
  - **Rajiv Sharma**                      **70089 07837**
  - **Soumya Ranjan Bal**                **90407 51599**
  - **Pratyush Sinha**                    **70088 39696**
  - **Abhishek Mohanta**                **79780 13007**
  - **Soumya Ranjan Sahoo**            **79784 74976**
  - **Soumya Ranjan Sahu**            **80939 32636**
  - **M. Siba Prasad Patra**            **90900 30086**



# CONTACT

 [sma@gcekjr.ac.in](mailto:sma@gcekjr.ac.in)  
[ame2017-18@gcekjr.ac.in](mailto:ame2017-18@gcekjr.ac.in)

 9438551072, 7750865106

 [www.gcekjr.ac.in](http://www.gcekjr.ac.in)

# AME'18

## How to reach us?



The nearest airport is Biju Patanaik International Airport, Bhubaneswar which is approx. 220 kms from Keonjhar.



Keonjhar Railway station is 6km from college.



Direct road link from Kolkata, Raipur, Jamshedpur, Bhubaneswar etc. It is approx. 220 kms from Bhubaneswar, state capital of Odisha.