

ABOUT THE INSTITUTE:

Assam Engineering College (AEC) represents the glory of coming forth as a premier Engineering College, being the first of its kind in North East India. It was established in the year 1955. With notable and renowned alumni, the college stands tall with budding engineering undergraduates and post graduates leading in various fields of engineering. Assam Engineering College boasts of an extensive green environment as a call to being truly close with nature.

ABOUT THE DEPARTMENT:

The Department of Mechanical Engineering was established in 1957 and offers UG as well as PG degree courses in Mechanical Engineering. The department also possesses specially equipped laboratories for research work in Mechanical Engineering leading to a PhD degree. The department aims at imparting quality education and producing technical manpower capable of addressing the challenges of Mechanical Engineering and allied industries. The department has been accredited by the National Board of Accreditation (NBA) in the year 2018.

ABOUT THE CONFERENCE:

The Department of Mechanical Engineering of Assam Engineering College is pleased to announce about the National students' conference on Advances in Mechanical Engineering (AME) to be held on 6th March 2020 under the aegis of TEQIP III. We are pleased to invite student, researchers working in all areas of Mechanical Engineering and related discipline to share their ideas and knowledge at a common platform in AEC. The prime objective of such conference is to bring together the student communities engaged in active research both at UG, PG and PhD levels in

different technical institutions under a common knowledge platform for mutual benefits and shared vision. The conference aims to familiarize the technical students with the recent research trends on the broad theme "Inventions and Innovations in Mechanical Engineering for Achieving Sustainable Development" which incorporates both Oral and Poster presentation sessions. In this context papers are invited from UG, PG and PhD level students to be presented at the conference based on the following sub themes but are not limited to:-

1. Engineering Fluid Mechanics
2. Heat Transfer, Thermodynamics and Energy
3. Combustion and Environment
4. Clean and Renewable Energy
5. Solid Waste Management
6. Manufacturing and Machine Design
7. Industrial Engineering and Management
8. Refrigeration and Air Conditioning
9. Machine Learning and Artificial Intelligence
10. Green Engineering
11. Nano Technology/Bio materials
12. New Alloys and Composite materials
13. Environmental Engineering
14. Modeling and Simulation
15. Industry 4.0
16. Power Plant Engineering etc.
17. Non Conventional Machining
18. Automobile Engineering etc.

CALL FOR PAPERS:

Original contribution based on research / application / survey within the themes mentioned is invited for both presentation and publication in the conference. At the time of submission, the authors are requested to be careful that no previously submitted/published papers are submitting to the conference. The authors are requested to submit abstract not exceeding 400 words of the original work typed in Times New Roman with spacing 1.5 to the email address given in the 'Registration and Submission Details' section.

PAPER FORMAT:- Font Style: New Roman
Font size: heading 14 (Bold), sub heading 12 (bold), 12 for rest of the texts. Spacing: 1.5 spacing throughout the paper, margins 1' on all side. There will be best paper award in both oral as well as poster presentation.

IMPORTANT DATES:

- **Deadline for Submission of Abstract:**
20th February, 2020.
- **Notification for acceptance:** **25th Feb, 2020**
- **Date of Conference:** **6th March, 2020**

REGISTRATION & SUBMISSION DETAILS:

Registration forms & abstract should be submitted in the following e-mail ID:

ame2019@aec.ac.in

No registration fee is Required

CONTACT DETAILS:

- 1) **Samiron Neog, (M) - 9854840337**
- 2) **Bidisha Chetia, (M) - 9706109728**
- 3) **Animesh Borgohain,(M) - 9678130371**

Registration Form
TEQIP III Sponsored
National Conference for
Students
on
Advances in
Mechanical Engineering

Name:

Department:

Institution/Organization:

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Mailing Address:

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Signature of the Applicant:

Date:

ORGANISING COMMITTEE:

Chief Patron:

Dr. Atul Bora, Principal AEC

Patron :

Prof. R.K.Dutta

HOD, Mechanical Engineering Department

Convener:

Samiron Neog (Final Year PG)

Co-Conveners:

Animesh Borgohain, Bidisha Chetia

Faculty In Charge: Prof. Sudip Kumar Deb

Organizing Committee Members:

**Vishal Vivek Saikia, Plabita Bhuyan,
Subhasish Chakraborty, Sidhant Agarwal,
Deepjyoti Patowary**

ADVISORY COMMITTEE:

Dr. Kalyan Kalita	Dr. D.K.Mahanta
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Mr. Anirban Saha	Mr. B. J. Phukan
Mr. Jyotish A.	Mr. Juan Choudhury
Mr. Piyush Singh	Mr. Devarshi Kashyap

FOODING & ACCOMODATION:

Breakfast and Lunch will be served to the participants at the venue of the conference.

For outstation students limited number of seats is available at the guest house which will be allotted on first come first served basis.



TEQIP III Sponsored
National Conference for
Students
on
Advances in
Mechanical Engineering

6th March 2020

Organized by:

**Department of Mechanical
Engineering**

**Assam Engineering College, Guwahati-
781013**

Venue:-

**Assam Engineering College,
Jalukbari, Guwahati-781013**