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TEQIP-3 Sponsored  
2nd National Conference  
on



**“Recent Innovations in  
Welding and  
Surface Engineering  
(RIWASE)”**



Department of Mechanical Engineering  
**GOVERNMENT COLLEGE OF ENGINEERING**  
(An Autonomous Institution Affiliated to Anna University, Chennai)

**Bargur**  
Krishnagiri - 635 104. Tamil Nadu. India.

Date:  
**26<sup>th</sup> & 27<sup>th</sup> July 2019**

Venue:  
**Seminar Hall,  
Department of Mechanical Engineering,  
GCE Bargur.**

### About the Institution

Government College of Engineering, Bargur (GCEB) is one of the educational institutions developed by Govt. of Tamil Nadu, which was started in the year 1994 to cater to the needs of the nation in the development of technocrats and to provide facilities for educating and training men and women to meet the entrepreneurial and management needs. The Tamil Nadu Government has created adequate infrastructural facilities and sufficient funds and is keen on developing the institute for higher education. GCEB is permanently affiliated to Anna University, Chennai, received accreditation from National Board of Accreditation (NBA), New Delhi for all of its eligible UG programmes and also declared fit by University Grant Commission (UGC), New Delhi to receive central assistance (UGC grant), by awarding 2(f) and 12 (b) status.

GCEB is spread over a sprawling campus with calm surroundings, creating a fitting atmosphere for study. The institute has all required facilities like Modern/smart class rooms, students' hostels, faculty quarters, guest house, library, computer centre, medical centre, sports facilities. Bargur is well connected to all major cities like Chennai, Salem, Bangalore and other metro cities through air, road, and rail. The weather is generally cold in December-February reaching 15-25°C during night time.

### About the Department

The Mechanical Engineering department was started in the year 2008. Though this department is youngest departments in this college, it is continuously striving to achieve excellence in education, academic and industry oriented research as well as consultancy work aiming service to the society. This department has excellent experimental and computational facilities. The department has 08 Faculty Members with Ph.D qualification having expertise on IC Engine, Materials Joining, Materials Processing, Surface Engineering and Composite Materials. The department has received research grants worth of one crore from various funding

agencies like DST, DRDO and SERB, New Delhi. The major research areas include IC engine testing and design, surface engineering, alternative fuels, processing and characterization of materials.

### Conference Topics

We invite high quality submissions describing original and unpublished results of theoretical, empirical, conceptual, and experimental work in the areas of welding, surface engineering and mechanical engineering. The conference keywords include **but not limited to:**

- Surface Engineering and Nano Materials
- Advanced Fusion and Solid state Joining techniques
- Laser, Welding & Casting techniques
- Materials Processing and Characterization
- Optimization Methods
- Materials for Surface Protection
- Surface Coatings and Composite Materials
- Design for Manufacturing and Assembly
- PDM, PLM, Collaborative Product Design
- Modelling of Systems and Processes
- FE/FD/FV techniques
- 3D Printing
- Automation and Robotics
- IC Engines and Alternate fuels
- Renewable Energy Sources
- Computational Heat and Mass Transfer
- Industrial Engineering

### Publications

All the accepted papers will be published in the proceedings of the conference (with ISBN No).

Note: Registration is Mandatory for each author to publish the paper in the proceedings.

### Who Should Attend

Faculty members, Scientists, Engineers in public and private sector, Research Scholars, Post graduate and Under Graduate students engaged in teaching and research.

### Registration and Accommodation

M. Tech / Ph.D Scholars : Rs. 1000/-

Faculty members : Rs. 1500/-

Delegates from Industry / R&D Institutions : Rs. 2000/-

**(Participants of TEQIP Institute will be exempted from paying registration fees)**

At least one author of the accepted paper has to register for presentation. Request for accommodation has to be made well in advance. Hostel rooms are available on request.

### Important Dates

**Last date for submission of paper : 15.07.2019**

**Submission of paper by template : 18.07.2019**

**Submission of camera ready paper : 24.07.2019**

Delegates are requested to send their Demand Drafts drawn in favour of "The Principal, Government College of Engineering" payable at Bargur.

### Address for Correspondence

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RIWASE 2019

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