



RAME~2016



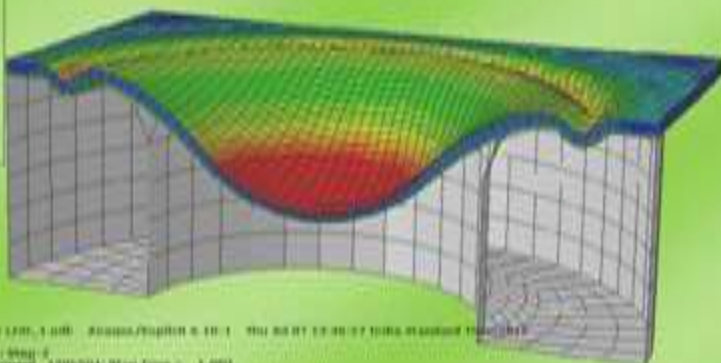
75 years of excellence

INTERNATIONAL CONFERENCE

on

***RECENT ADVANCES in
MECHANICAL ENGINEERING***

(14th & 15th October, 2016)



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**Department of Mechanical, Automobile and Production & Industrial Engineering
Delhi Technological University (Formerly Delhi College of Engineering)**

Bawana Road, Delhi-110042

A brief about D.T.U.

"75 years of Tradition of excellence in Engineering & Technology Education, Research and Innovations", Delhi College of Engineering, (initially established with the name – Delhi Polytechnic) came into existence in the year 1941 to cater the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. The institution was set up at historic Kashmere Gate campus as a follow up of the Wood and Abott Committee of 1938. It comprised of a multi disciplinary and multi level institution offering wide ranging programmes in engineering, technology, arts and sculpture, architecture, pharmacy and commerce.

The erstwhile DCE functioned from its historic Kashmere Gate Campus for almost 55 years and has shifted in 1996 to its lush green sprawling campus of 164 Acres at Bawana Road, adjoining Sector-17, Rohini, Delhi-42. Its shifting to new campus has added the dimension of research and caused innovations in plenty, which has received high national and international acclaim. As a Delhi Technological University it has the desired autonomy to excel and shape itself as a world class Technological University.

The Department of Mechanical Engineering

The Department of Mechanical Engineering, Automobile Engineering and Production & Industrial Engineering has seen considerable growth since its inception in 1941. The department offers UG programme in Mechanical, Production & Industrial Engineering and Automobile Engineering and PG programmes on Thermal Engineering, Production Engineering, Renewable Energy Technology and Computational Design.

About 50 Research Scholars are presently pursuing their Ph D research work. The department possesses modern laboratories equipped with latest experimental set-ups, and research facilities for Instrumentation, Experimental Stress Analysis, Strength of Materials, Fluid Mechanics & Hydraulic machines, IC Engines, Automotive Engineering, Robotics, Heat and Mass Transfer, Solar Energy, Flexible Manufacturing System, Metal Forming, Computational Fluid Dynamics supported by Software like View-Flex, CAD-CAM, ABAQUS, Hyperworks etc.

The Department has small to medium capacity state of art bio-diesel processing units. Different species of non-edible oil such as linseed, cottonseed, waste cooking oil etc. and high FFA oilsuch as rice bran, Neem, Mahua etc. have been successfully converted into boi- diesel.

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CONFERENCE DETAILS

OBJECTIVE : RAME-2016 is intended to provide an opportunity for leading academicians, engineers, scientists, researchers, industrial professionals and students from around the world to network and have scientific discussions on the latest developments in the fields of Mechanical engineering. It shall provide a platform for communication among them on a wide variety of scientific areas with a common interest in nurturing the recent advances in Mechanical Engineering.

CALL FOR PAPERS

All Submissions will be reviewed and evaluated based on originality, technical research and relevance to conference theme. RAME 2016 International Conference proceedings shall be published with ISBN and certificates will be distributed to the conference participants & contributors during the conference. Papers must be submitted strictly in the RAME 2016 template only.

RESEARCH PAPER TOPICS

- **Aerodynamics and fluid mechanics**
- **Automation, Mechatronics, and Robotics**
- **Automotive Engineering**
- **Composites, ceramics and polymers processing**
- **Computational Mechanics**
- **CAD, CAM, FMS, CIM, CN**
- **Corrosion, Heat treatment, Microstructure and Refrigeration & Cryogenics**
- **Failure and fracture mechanics**
- **Friction, wear, tribology, and surface engineering**
- **Heating and ventilation air conditioning system**
- **Hydrostatic transmissions and pneumatics**
- **Industrial Engineering**
- **I.C. Engines, Turbomachinery and Alternative Fuels**
- **Machinability and formability of materials**
- **Mechanisms and machines**
- **Metrology and computer aided inspection**
- **Micro and Nanomechanics**
- **Modeling, simulation and optimization**
- **Multifunctional and smart materials**
- **Product design and development**
- **Rapid Manufacturing technologies and prototyping**
- **Renewable energies technology**
- **Solar Energy Technologies**
- **Solid mechanics and Structural mechanics**
- **Thermodynamics and heat transfer**
- **Traditional and non-traditional machining processes**
- **Vibration and acoustics**

In addition to the above any other topic relevant to the theme of the conference shall be welcomed

PARTICIPATIONS

The conference is expected to have participation of about 150 papers from 600 plus authors and about 500 delegates are expected to attend the conference. We plan to hold two plenary sessions and 15 (5X3) parallel paper presentation sessions. Certificates shall be distributed at the end of each session. About 50 specially invited speakers/delegates shall also take part in the conference. On the first day evening there shall be a cultural night, followed by the conference dinner.

There shall be a special session for the undergraduate students also, which shall offer an opportunity for the budding engineers/innovators to display their talent. Best papers among this category shall be suitably awarded. Best papers in this category shall be suitably rewarded.

REGISTRATION FEES

Categories	International	Indian
(A) Practitioner/Industrialists	USD 300/-	INR10,000/-
(B) Academician/Practitioner/ Post Doc.	USD 200/-	INR 4000/-
(C) Students (Ph. D./ M.-Tech./M.E./M. Sc.)	USD 100/-	INR 2500/-
(D) Co-Authors/ Attendees/Listener/Undergraduate	USD 50/-	INR 1500/-

The Registration fee shall be paid by a DD, drawn in favour of "RAME-2016" payable at Delhi

- **Submission deadline for full length Paper (Max. 8 Pages)** August, 30th 2016
- **Acceptance notification latest by** September, 10th 2016
- **Registration deadline** September, 25th 2016

Prof. Yogesh Singh: Prof. Yogesh is the hon'ble Vice Chancellor of Delhi Technological University. He is a member of National Assessment and Accreditation Council (NAAC). He is also an independent director of GSPL. He has worked as Chairman, Central Regional Committee, AICTE, Bhopal. He is listed as the third best amongst the most productive Indian authors for participating in Software Engineering Research.

Prof. S. K. Garg: Prof. S. K. Garg is the Pro Vice-Chancellor of DTU. He has served as the Head of Delhi School of Management, Department of Production and Industrial Engineering, Department of training and Placement, Associate Head of Department of Mechanical Engineering, Head of Department of Biotechnology.

Prof. R. S. Mishra: Prof. R. S. Mishra is the Head of Department of Mechanical, Production & Industrial and Automobile Engineering at Delhi technological University. His areas of research include Alternate Energy Sources, Refrigeration and Air conditioning, Heat-transfer and Thermal Engineering.



FOR FURTHER INFORMATION

Please visit instituteWebsite, brochure can also be downloaded from the link provided at <http://www.dtu.ac.in/Web/programme/conference/RAME2016.pdf>

For paper submission (In the desired template) [RAME 2016 template](#)

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