

MADURAI

Madurai is a place of great historical and Cultural importance. It is the capital of Pandya Kingdom. Madurai City is famous for its Temple with its rich architecture and sculptural works such as Meenakshi Temple and it is also famous for Textiles, Handlooms and Silk sarees. There are many interesting places to visit around Madurai such as Kodaikanal, Rameshwaram and Vivekananda Rock at Kanyakumari. These tourists spots can be reached by road in about 4 hours.



Meenakshi Temple Thirumalai Nayakar Mahal

HOW TO REACH KLNCE?

K.L.N. College of Engineering is located 13 km from Periyar Bus Stand and Madurai Railway Station on Nedungulam Road.

ADVISORY COMMITTEE

1. **Dr. SK. Das**, IIT Madras, Chennai.
2. **Dr. P. Veeramani**, Scientist, CSIR - CECRI, Karaikudi.
3. **Mr. C. Sainath**, Delphi Automotive Systems Ltd, Bangalore.
4. **Dr. P. V. Mohanram**, PSGCT, Coimbatore.
5. **Dr. N. Jawahar**, TCE, Madurai.
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7. **Dr. S. Suresh**, NIT, Tiruchirappalli.
8. **Dr. B. Shahul Hamid Khan**, IITM, Kancheepuram.
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10. **Mr. R. Govindarajan**, Flow Link Systems Ltd, Coimbatore.
11. **Dr. K. Lingadurai**, AUT Madurai, Dindigul Campus.
12. **Dr. R. Saravanan**, JCTCET, Coimbatore.
13. **Dr. P. L. N. Ramesh**, CIT, Chennai.
14. **Dr. D. Jeya Krishna**, BITS Pilani, Hyderabad.
15. **Dr. V. E. Annamalai**, SSNCE, Chennai.
16. **Dr. N. Nallusamy**, SVCE, Chennai.

CONFERENCE - ORGANIZERS

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Shri. S.V.S. Shivnath, Secretary, KLNCE

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Organizing Secretaries

Dr. A.N. Balaji, Professor - Mechanical, KLNCE
Prof. G.R. Kathiresan, Professor-Mechanical, KLNCE

All correspondence should be sent to:

Dr. A. N. Balaji

Organizing Secretary ETME-2012
 Department of Mechanical Engineering
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 Pottapalayam - 630 611
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Announcement and Call for papers
Third National Conference on
EMERGING TRENDS IN
MECHANICAL ENGINEERING
(ETME-2012)
02 - 03 April 2012

K.L.N. COLLEGE OF ENGINEERING

Organised by

Department of Mechanical Engineering

(Accredited by NBA, New Delhi)

K.L.N.COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University and ISO 9001:2008 Certified Institution)

Pottapalayam - 630 611

(11 km from Madurai City)

Sivagangai District.

Phone: 0452 2090971, 2090972

Fax: 0452 2090070

URL : www.klnce.edu

EMERGING TRENDS IN MECHANICAL ENGINEERING (ETME - 2012)

K.L.N. COLLEGE OF ENGINEERING

K.L.N. College of Engineering is the first self-financing Co-educational Engineering college in Madurai, started in 1994 by Munificence of philanthropist and well wishers in Sourashtra Community, which is a linguistic minority in Tamil Nadu. This college is sponsored by the committee of eminent industrialists and academicians led by enthusiastic, educationalist and industrialist Amaran Thiru. K.L.N. Krishnan.

The courses offered in K.L.N.C.E are approved by All India Council for Technical Education, New Delhi. It is an ISO 9001:2008 certified Institution and affiliated to AUT Chennai, Tiruchirappall and Madurai. K.L.N.C.E offers Seven Undergraduate Programmes, Six Postgraduate Programmes and Doctoral Programmes in Engineering and Sciences.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering is well equipped with qualified and experienced faculty members with research and industrial background. The Department offers B.E degree course in Mechanical Engineering, M.E degree course in CAD/CAM and PhD in Mechanical Engineering.

The Department has also been accredited by National Board of Accreditation (NBA), New Delhi. The department is recognized by Anna University as a Research Centre for offering PhD programmes in Mechanical Engineering.

Three staff members of the Department are recognized as supervisors for guiding the scholars leading to Ph.D. / MS (By Research) programme.

ETME - 2012 THEME

The scope of this conference is to bring together experts from industries, educational institutions and research organizations on a common platform for sharing of knowledge, expertise and experience in the fields of manufacturing, thermal, design and providing a forum for discussion among experts, teachers, research scholars and students on emerging areas. This conference will draw participation from engineers and managers working in industries, who will have the opportunity to enhance productivity and quality of products.

CONFERENCE TOPICS

- * Modeling, Simulation and Optimization of Manufacturing Systems
 - * Lean/Agile/Flexible Manufacturing
 - * Concurrent and Reverse Engineering
 - * MEMS, Mechatronics, Rapid prototyping
 - * CAD/CAM/CIM, Artificial Intelligence, Robotics
 - * Composite Materials, Nano Technology
 - * FEA/CFD/Heat Transfer
 - * Alternative Fuels, Renewable Energy Source
 - * I/C Engines, Combustion
 - * Six Sigma, TQM/TPM, Product Design
- and any other topics relevant to the conference.

SUBMISSION OF PAPERS

The authors are requested to submit a soft copy and one hard copy of the paper to the Organizing Secretary ETME-2012. The full paper is limited to 8 pages of A4 size including references, as per format available in the website.

IMPORTANT DATES

- | | |
|---|------------------|
| Submission of full length paper | : 18 - 03 - 2012 |
| Intimation of acceptance | : 21 - 03 - 2012 |
| Submission of final paper along with Registration fee | : 26 - 03 - 2012 |

REGISTRATION

The registration fee is to be paid by Demand Draft in favor of "The Principal, K.L.N. College of Engineering" payable at Madurai.

Registration Fee (per delegate)

- | | |
|--|-----------|
| Research Scholar / Students | : Rs. 600 |
| Delegates from Academic / Research Institution | : Rs.1000 |
| Delegates from Industries | : Rs.1500 |

The Registration fee includes Conference kit, Proceedings and Lunch. For each paper accepted for publication in the proceedings, at least one author of the paper has to register for participation.

ACCOMMODATION

Limited in-house accommodation will be provided on first come first served basis. Hotel accommodation may be arranged based on request.

Third National Conference on EMERGING TRENDS IN MECHANICAL ENGINEERING (ETME - 2012) 02 - 04 - 2012 & 03 - 04 - 2012 REGISTRATION FORM

Name	:
(in Block Letters)	
Designation	:
Department	:
Organization	:
	:
Address for	:
Communication	:
(with PIN code)	:
Phone	:
Mobile	:
E-mail	:
Title of paper	:
	:
Registration Category: Student/ Academic /Industry	
DD No. :	Dated:
Bank :	
Amount :	
Accommodation required : Yes <input type="checkbox"/> No <input type="checkbox"/>	
	In-house <input type="checkbox"/> Hotel <input type="checkbox"/>
Date:	Signature of the Participant

EMERGING TRENDS IN MECHANICAL ENGINEERING (ETME - 2012)

TITLE OF THE PAPER

Author's Name(s), Affiliation(s), Address(es), Tel(s), Fax(s), E-mail(s), Website(s)

Abstract

This document presents the guidelines for the preparation of the manuscripts for ETME - 2012. Please note that this abstract should be kept rather short no more than 120 words. Its purpose is to give a very general overview of the contents of the paper, without replacing the "Introduction", and to allow easy indexing in bibliographic databases.

Keywords: Insert a maximum of 6 words

1. INTRODUCTION

These guidelines are provided to assist you in the preparation of your manuscript for ETME-2012. These rules should be followed in order to guarantee the consistency in the proceedings.

The title should be in bold capital letters, 15 point Arial Bold, centred. The authors name(s) should be in upper and lower case, 10 point Arial, also centred. The full first, last name and affiliation of each author should be included. The affiliation and address should begin on a new line after the author(s) name(s), in 9 point Arial italic centred.

Leave 1 line space between the paper title and author name with 10 point Arial. Leave 3 line spaces between author affiliation and start of the abstract with same 10 point Arial. Abstract should be in 10 point Arial italic justified with single spacing. Your paper should begin with a brief Introduction. Leave 3 line spaces between abstract and introduction with 10 point Arial.

2. PRINTING AREA

General

A4 standard pages shall be used. Provide top and bottom margin 1", Left and Right margin 1.25". No text or figures should fall out of the text page area (except for the running header). All text should be fully justified. These guidelines can be used as an example of a valid format.

Running Header and Footer

Running header on all the pages as shown on this page should be used with 8-point Arial. All pages should include page numbers with point 9 point Arial justified centre in the running footer.

3. GENERAL ASPECTS

Text

Text type should be 11-point Arial. Text should be single spaced and in single column. All text should be fully justified. No tab is to be given at the starting of each paragraph.

Subheads

Your paper may include various sections (chapters) and subsections. There should be one line space before each level of subheads. Leave 1 line space between the subheadings and between the subheadings and paragraph starting with 11 point Arial.

First level subheadings should be in capitals, 12 points bold, left justified. Second level subhead should be in upper and lower case, 12-point bold, left justified. The third level subhead should be in upper and lower case, 11-point italic, left justified.

Do not end headings with full stops. Do not start headings at the foot of a page or with only one line of text below; put the heading on the next page.

Figures and Tables

Figures (good quality) and tables shall appear printed directly in the text.

Figures

Figures should appear soon after their citation in the text. Figures are numbered sequentially as "Figure 1", "Figure 2", etc. A caption should be provided for each figure. The caption should be typed into the manuscript, directly beneath the figure. Leave one space with 11 point Arial font between figure and caption.

Tables

The table caption should be above the table. Leave one space with 11 point Arial font between Table name and table. Number the titles of the tables consecutively in the order of their first citation in the text. Be sure that each table caption is headed as "Table 1", "Table 2", etc.

Acknowledgments

Acknowledgments may appear before the list of references. The author(s) is responsible for obtaining the necessary permissions to quote or reproduce material, including figures, from already published works and to reprint them from other publications. An appropriate credit line should be included.

4. REFERENCES

In the text, references should be cited thus: (Baker, 1975) has shown that or Johnson *et al*, (1965) in their review.... The references should be sited in alphabetical order at the end of the paper in 11 pt fonts in single line spacing in the following style.

(Journal Articles)

Yokata, T., M. Gen and Y. Li, Genetic Algorithms for Non-linear Mixed Integer Programming Problems and its Applications, *International Journal of Computer and Industrial Engineering*, **30**, 905-917 (1996).

(Books)

Bhote, Keki, R., *Strategic Supply Management*, AMACOM, New York, 1989.

(Conference Proceedings)

Pugazhendhi, S., C. Rajendran and S. Thiyagarajan, Relative Performance Evaluation of Permutation and Non-Permutation Schedules in Flowline-Based Manufacturing Systems, Proceedings of *The 15th International Conference on Production Research*, University of Limerick, Ireland, 341-344, (1999).

5. SUBMISSION OF MANUSCRIPTS

Please submit the original manuscript along with a soft copy in Microsoft Word format before 18th March 2012. All submitted manuscripts should be in the prescribed format. The complete manuscript should not exceed **EIGHT** pages. Please ensure the correctness in spelling and syntax use of English as no proof will be sent to the authors. After the intimation of acceptance, the final manuscript and the registration fee are to be sent in a cover with a hard board support to avoid folding in transit. Please send the manuscript and the registration fee to and if any questions regarding the preparation of the manuscript may be addressed to:

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Soft copy of the paper can also be sent by email as a MS Word file attachment to etme2012@yahoo.com