

IMPORTANT DATES

Deadline for Submission	: 08.05.2017
Notification of Acceptance	: 10.05.2017
Camera ready paper and Registration	: 12.05.2017
Conference Date	: 15.05.2017



ORGANIZING COMMITTEE

CHIEF PATRON

Shri.R.S.Munirathinam,
Founder - Chairman,
R.M.K. Group of Institutions

PATRONS

Smt.Manjula Munirathinam, Chairperson
Shri.R.M.Kishore, Vice-Chairman
Shri.R.Jothi Naidu, Director
Shri. Yalamanchi Pradeep, Secretary
Dr. Durgadevi Pradeep, Vice-Chairperson
Smt. Sowmya Kishore, Management Trustee
Dr.M.S.Palanichamy, Advisor
Thiru.T.Pitchandi,I.A.S.(Retd.), Advisor
Thiru. V.Manoharan, Advisor
Dr. K.A.Mohamed Junaid, Principal
Dr. K.Chandrasekaran, Dean
Dr. S.Pavai Madheswari,
Academic Co-ordinator & HOD (S&H)

CONVENOR

Dr.K.R.Senthil Kumar, Professor & Head
Department of Mechanical Engineering

ORGANISING SECRETARY

Dr.R.Sureshkumar,
Associate Professor

TECHNICAL ADVISORY COMMITTEE

Dr. P.Hariharan,Professor,CEG,Anna University
Dr. S.Tharves Mohideen,Prof & Head, IRTT
Dr. K.Chandrasekaran, Dean,RMKEC
Dr. K.R.Senthil Kumar,Prof & Head,RMKEC
Dr.S.Sambath,Professor,RMKEC
Dr.A.Kadirvel, Professor,RMKEC
Mr.M.Neelakantan,Tech Advisor cum Director,
ACE Carbide Tools India Pvt Ltd
Dr.G.Balakrishnan, Ph.D,
Engineering Supervisor, Caterpillar India Pvt.Ltd.

CO-ORDINATORS

Mr.M.Balaku mar,Assoc. Professor
Mr.R.L.Sankarlal,Asst.Professor
Mr.S.D.Sekar, Asst.Professor

ADDRESS FOR COMMUNICATION

Dr.R. Sureshkumar,
Associate Professor / Department of Mechanical Engg
R.M.K Engineering College,
R.S.M. NAGAR, Kavaraipettai-601 206,
Gummidipoondi Taluk
Tiruvallur District, Tamil Nadu

Phone : 044-33303270
Fax : 044-33303334
Email : rime2017@rmkec.ac.in

ISTE SPONSORED
NATIONAL CONFERENCE

ON

RECENT INNOVATIONS IN
MECHANICAL ENGINEERING

RIME 2017

15th MAY 2017



Organized by

DEPARTMENT OF MECHANICAL ENGINEERING
R.M.K. ENGINEERING COLLEGE
R.S.M.NAGAR, Kavaraipettai-601 206, Tamil Nadu

www.rmkec.ac.in / rime2017

ABOUT THE COLLEGE

R.M.K Engineering College established in 1995, approved by AICTE, New Delhi and affiliated to Anna University and is certified under ISO 9001-2008, completed 22 years of dedicated and excellent service in the field of technical education. Presently, the college offers 7 under-graduate programmes and 3 post-graduate programmes and 7 research programmes in Engineering, Technology and Applied sciences. The Institution has excellent infrastructure facilities to support undergraduate, postgraduate programmes and research activities. The college has been recognised by the following awards:

- Ranked 84th in NIRF among all Engineering Institutions across India including IITs and NITs published by MHRD, Govt of India and also placed 3rd Rank among all the self-financing Engineering Colleges (Non-Autonomous) in Tamilnadu
- Rated as “AAAA” among the “India’s Best Engineering Colleges - 2017” in a National wide Survey conducted by “Careers 360”
- Awarded the prestigious ‘PLATINUM’ category certification for the four disciplines in the “AICTE-CII Survey of Best Industry Linked Technical Institutes – 2016”.
- BEST CHAPTER AWARD (Tamilnadu & Pondicherry section)2016 to RMKEC
- ISTE CHAPTER for considering its overall leadership and quantum of activities.
- Ranked 51st among the “Top 100 Private Engineering Colleges in India” in the year by The Week-Hansa Research Survey – 2016 conducted by “THE WEEK”
- Ranked 33rd among the “Top Private Engineering Colleges in the South India” conducted by “THE WEEK”
- Ranked 39th among the “ Top 100 Private T Schools in India” in the year 2016 by DATAQUEST – CMR Survey 2016 conducted by “DATAQUEST”
- Rated as “AAA+” among the “India’s Best Engineering Colleges - 2016” in a National wide Survey conducted by “Careers 360”
- Ranked 18th among the “ Top 100 Private Engineering Colleges in India” in the year 2016 by the Higher Education Review

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering is one of the foremost divisions of the college inculcating knowledge, discipline and right attitude to students. The department is a recognized as a research centre by Anna University Chennai and is known for its extensive and fruitful interaction with the industries and other R&D organizations. The department has upgraded its facilities through sponsorship from AICTE and DST to the tune of Rupees 44 lakhs. Advanced CNC machines and latest PLM / Product Development software also find a prime place in the Department. The Department has a team of dedicated, well qualified and experienced faculty. The professional activities include invited technical talks by top industrialists and learned academia, apart from collaborative programs under Mechanical Engineering Association, Product Development & Management Association of India (PDMA), IIE, ISHRAE and SAE. The Department of Mechanical Engineering has established a Centre of Excellence (CoE) in Product Lifecycle Management (PLM) in the year 2013-14 by investing about more than One Crore Rupees towards the software and infrastructure. The aspiring and enterprising students of pre-final year Mechanical Engineering belong to R.M.K. Engg. College is being trained on PLM software under a single roof of PLM- Centre of Excellence.

The objective of this Centre of Excellence is to bridge the gap between industry & institution by providing value addition to the passing out Mechanical Engineering students through intensive In-house training in the niche areas of opportunities and thereby students become industry-ready and updated as per the current scenario. The secondary objective is to provide placement opportunity to the PLM trained students in core companies as well as in software companies under PLM core domain. The PLM COE has been awarded as the “TOP PERFORMING COLLEGE Authorized Training Centre (ATC)” by PTC University.

ABOUT THE CONFERENCE

The recent advances in the Mechanical Engineering field are outstanding and remarkable with the emergence of new materials and manufacturing technologies. This conference will open the doors to various facets and new frontiers of the discipline by providing a platform for promoting discussion and interaction in recent developments, thus benefiting both academic and the industrial community. The objective of the conference is to provide on a common platform to academicians, researchers and practicing engineers for exchange of ideas in recent innovations in engineering sciences. The papers are invited from Post Graduate students/ Research Scholars / Practicing engineers / R & D Personnel.

CALL FOR PAPERS

Innovations in engineering in the following areas are invited as technical papers for presentation and deliberations.

Materials & Manufacturing, Design	Thermal Engineering	Interdisciplinary
<ul style="list-style-type: none"> ➤ Composite Materials & Nano Materials ➤ Green Manufacturing ➤ Digital Manufacturing ➤ Product Design & Development 	<ul style="list-style-type: none"> ➤ Automobile Engineering ➤ IC Engines & Combustion ➤ Refrigeration and Air Conditioning ➤ Renewable Energy 	<ul style="list-style-type: none"> ➤ Application of AI Techniques ➤ Mechatronics ➤ Optimization-Techniques ➤ Industrial Safety Engineering

Original research and unpublished papers are invited on the above themes. Abstract and full paper can be sent by email to rime2017@rmkec.ac.in. The guidelines for preparing the full length paper should follow IEEE format, double column with single line spacing not exceeding 7 pages in MS Word format. Abstracts and full length papers shall be reviewed by the experts and acceptance will be intimated as per schedule only through mail.

REGISTRATION FEE

PG and UG Students	:	Rs.500
Academics / Research Scholars	:	Rs.750
Participants from industries	:	Rs.1000

Registration fee includes conference kit, copy of proceedings, lunch & refreshment.

Fee should be sent by Demand Draft in favour of “The Principal, R.M.K Engineering College” payable at Chennai. For details visit [www.rmkec.ac.in / RIME2017](http://www.rmkec.ac.in/RIME2017).