

CALL FOR PAPERS

Original research and unpublished papers pertaining to the listed themes are invited. The paper should clearly indicate the title followed by name of the authors and affiliation. The full length papers are to be emailed to respective department email IDs. Guidelines for preparing the full length paper can be viewed on the website (www.famt.ac.in). Full length papers shall be reviewed by the experts and separately intimated as per schedule.

PUBLICATION

Selected Papers will be published in Conference Proceeding with ISBN.

REGISTRATION

All delegates and authors will have to confirm their participation after the acceptance of paper by sending the registration fees on or before 10th Jan. 2016. Fees should be sent in the form of NEFT / DD drawn on any nationalized bank in favor of **Finolex Academy of Management and Technology**, payable at **Ratnagiri**. Only registered delegates and authors will be permitted to attend the conference and present the paper. No TA/DA will be paid to the participant. Request for accommodation can be sent over email. Since limited accommodations are available on campus, the same will be provided on a first-come-first-serve basis at nominal charges of Rs. 200 per day. Further details regarding accommodation can be obtained from the college website.

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ABOUT RATNAGIRI

Ratnagiri is a land of golden Haapus (Alphonso) mangoes, misty hills, sunny beaches, and cascading waterfalls. Fertile alluvial valleys produce rice and coconut as the main crops; while fruits and cashew nut cultivation is the specialty. The famous places from the tourism point of view are Ganpatipule Temple and beach, Pawas, Purnagadh, Jaigad fort, Thiba Palace and Asia's highest bridge and longest tunnel built as part of the Konkan Railway Project. The surrounding area is bordered by the Sahyadri Hills on the East and Arabian Sea on the West. Ratnagiri is about 340 Kms from Mumbai, 350 Kms from Pune, 125 Kms from Kolhapur and 270 Kms from Panaji (Goa) city. It is an important district in the Konkan region and is well-connected by the Konkan Railway (For more information log on to www.konkanrailway.com) and National highway (NH – 66).



Ganpatipule Temple

2nd National Conference on Recent Advances in Science and Technology

RAST - 2k16

17th - 18th February 2016



Organised by



**Finolex Academy of Management and
Technology**

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FINOLEX ACADEMY OF MANAGEMENT & TECHNOLOGY (FAMT)

FAMT was established at Ratnagiri in 1996 by philanthropist **Hon. Shri Pralhad P. Chhabria**, Founder Chairman of Finolex Group under the aegis of HOPE Foundation, a charitable trust, with the sole purpose of enabling the students of the Konkan region to acquire higher education in the field of engineering and technology. The campus is situated in the picturesque western coast of India at Ratnagiri, Maharashtra, which is well connected to the rest of the nation by rail and road. FAMT Campus is spread over 25 acres of land in the MIDC, Mirjole Block. The institute boasts of more than two lac square feet of built-up area comprising of administrative block, separate blocks for various departments, laboratories, workshops, computer centers, lecture halls, drawing halls, library, seminar, halls, auditorium and canteen. workshops, computer centers, lecture halls, drawing halls, library, seminar halls,

auditorium and canteen. The green campus also has sports fields for outdoor activities such as volley ball, cricket etc.

CONFERENCE OBJECTIVE

The objective of the 2nd National Conference on “Recent Advances in Science and Technology 2K16 (RAST- 2k16)” is to explore new ideas in Science and Technology of the 21st Century.

RAST-2k16 aims to bring together leading academicians and research scholars to exchange and share their research work, innovative ideas, theoretical concepts and experimental results. We hope to promote interaction between Industry and Academia through this Conference. It will provide a platform for sharing original research contributions and practical development, experiences among researchers and application developers from different branches of Science and Technology.

WHO CAN ATTEND

- Academicians
- Postgraduate and Research Students of Science and Engineering
- Researchers working in R & D Centers and Institutes
- Industry experts

IMPORTANT DATES

- Submission of full length paper : 10th Dec 2015
- Intimation of acceptance of paper : 30th Dec 2015
- Submission of camera ready full length paper : 10th Jan 2016

CONFERENCE THEMES

FAMT invites full length papers focusing on theory, applications, design and experimental studies relevant to the conference theme. The areas of interest for the conference are (but not limited to) :

MECHANICAL ENGINEERING

(rast2k16_mech@famt.ac.in)

Thermal and Fluid Engineering, Design and Simulation, CAD / CAM / CAE, Advancements in IC Engines and Renewable Fuels and Industrial Engineering.

CHEMICAL ENGINEERING

(rast2k16_chem@famt.ac.in)

Heat and Mass Transfer, Process Dynamics and Control, Chemical Reaction Engg., Modeling and Simulation, Environmental Engg, Nanotechnology and Biotechnology.

SCIENCE AND HUMANITIES

(rast2k16_sci@famt.ac.in)

Advanced Nano Materials, Mathematical or Statistical Tools and Techniques in Science and Engineering, Novel methods of synthesis in Chemistry, Teaching Language skills.

ELECTRICAL ENGINEERING

(rast2k16_elec@famt.ac.in)

Power Electronics and Drives, Smart Grid, Power Quality Issues and Solutions, Renewable Energy, Electrical Vehicles.

COMPUTER APPLICATIONS

(rast2k16_mca@famt.ac.in)

Cloud Computing, Databases and Big Data, Networks and Network Security, Image Processing, Software Engineering and Artificial Intelligence.

ELECTRONICS ENGINEERING

(rast2k16_etrx@famt.ac.in)

Embedded Systems and CMOS VLSI Design, Advancement in Power Electronics, Neural Networks and Fuzzy Systems, Robotics and Automation, MEMS and Instrumentation.

ELECTRONICS & TELECOM. ENGG.

(rast2k16_extc@famt.ac.in)

Signal Processing and Allied Application, RF / Microwave and Antennas Wireless Communication and Networking, Wireless Sensors Networks, Internet of Things (IoT) and Optical Communication.

INFORMATION TECHNOLOGY

(rast2k16_it@famt.ac.in)

Virtualization and Parallel Computing, Data Mining, Computer Network and Information Security, Multimedia and Computer Vision, Expert Systems and Robotics, Distributed Systems and Recent Trends in Info. Technology Applications.

REGISTRATION FEE

- Academicians, Delegates from R&D organization : Rs. 1000
- PG Students and Research Scholars : Rs. 800
- Delegates from Industry : Rs. 1500

Registration fee includes conference kit, proceeding copy, refreshment, lunch and dinner on conference days only. Authors registering on the spot during conference will be required to pay applicable registration fee.