

**About Jaipur** Jaipur is situated in Northern India at a distance of around 260 km south of Delhi. It offers a multitude of interesting places and attractions. Such as lush parks and places for recreation. There are several magnificent palaces and forts. It is a city of fun, food and festivals. Vibrant colours, lively folk music and dance performances mark the celebrations of every religious occasion and every change of season.

**Jaipur**, known as the Pink City, was founded in 1727 AD by one of the greatest ruler of the Kachhawaha clan, the astronomer king Sawai Jai Singh. This remarkable city was considered a marvel of town planning and drew the peace-loving merchants and craftsmen to its wide streets and mohallas, which were earmarked for them. The Pink City is full of things to see and do. There are impressive monuments, an excellent range of handicrafts, a wide variety of cuisine and entertainment that can keep you enthralled for days.

**City Palace** of Jaipur, the main palace is an imposing blend of traditional Rajasthani and Mughal architecture. The vast palace complex occupies one seventh of the walled city of Jaipur. Originally built by Maharaja Jai Singh II of the Kachhwaha clan of Rajputs, additions have been made to the palace complex by many of his successors.

Hawa Mahal, Palace of the Wind, is one of the major landmarks of Jaipur. It is an integral part of the City Palace - an extension of the women's chambers, standing away from the main complex. This five-storey building of unusual architecture is a stunning example of Rajput artistry, made of red and pink sand stone, beautifully outlined with white borders and motifs painted with quick lime.

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**NATIONAL CONFERENCE**



**11-12 APRIL 2014**

Organized by  
Department of  
Mechanical Engineering

**JNIT**

**JAGANNATH GUPTA INSTITUTE OF  
ENGINEERING & TECHNOLOGY**

(Approved by AICTE & affiliated to Rajasthan Technical University, Kota)

## AIMS/OBJECTIVES

The aim of the LTMPE'14 is to gather Students, Engineers, Researchers and Scientists from all over the Nation to present advances in the aforementioned fields and to foster an environment conducive to exchanging ideas and information. This conference will also provide an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products of Mechanical and Production Engineering.



## SCOPE

This conference will bring together researchers and professionals from a broad set of science and engineering disciplines with the aim of sharing the latest technology and innovations in the areas of:

- Aerodynamics and fluid mechanics
- Energy conservation and auditing
- I.C engines and Turbo machinery
- Renewable energies technology
- Advanced automobile technologies
- 6 Sigma, TPM, TQM, Supply chain management
- Lean, Agile, Sustainable and green manufacturing
- Ergonomics
- Automation, Mechatronics and Robotics
- Computational science (Modeling and Simulation)
- MEMS, NDT, Mechanical vibration
- Manufacturing design for '3r', "reduce, reuse, recycling"
- Product design and development
- Nanomaterials and nanomanufacturing
- Computer-based manufacturing technologies: CNC, CAD, CAM, CAE, FMS, CIM
- Metal casting, metal joining processes
- Corrosion, Heat treatment, microstructure and materials Properties
- Traditional and non-traditional machining processes
- Composite and Functionally graded materials
- Shape memory alloys



JaganNath Gupta Institute of Engineering and Technology came into being in the year 2004 under the aegis of JaganNath Gupta Memorial Educational Society with the intrinsic aim to harbor technical excellence in the state of Rajasthan.

Popularly known as JNIT, the Institute has emerged as a prestigious center for learning. Building on the phenomenal success of JIMS, the three well established institutes of management in Delhi, the Society is now dedicated to the pursuit of holistic education and academic excellence in the technical arena. Along with carving a niche for itself, the Society has promoted the general advancement of knowledge by igniting the cerebral dimensions of the students and by nurturing their innate talents.

Further to keep up its commitment to the society, the organization provides scholarships to deserving students so that they can translate their dreams into reality. Education for professional careers at JNIT is grounded in understanding of relevant technologies, so that the individuals are provided with the tools to continue intellectual development over a lifetime and to contribute to the needs of a changing society.

## ABOUT THE DEPARTMENT

Mass, motion, forces, energy, design, and manufacturing - these comprise the world of mechanical engineering. Mechanical Engineering is one of the major activities in the engineering profession and its principles are involved in the design, study, development and construction of nearly all of the physical devices and systems.

The Department of Mechanical Engineering at JNIT impact on the Institute and on society is easily demonstrated by noting the alignment of the department's evolution with key events and technological advances. Today, the Dept. of Mechanical Engineering at JNIT attracts and features an extraordinarily rich diversity and quantity of talented students, well equipped laboratories, and well qualified faculty members. The impressive array of students makes the department the finest in the state of Rajasthan and one of the most remarkable in the Country.

The Dept. of Mechanical Engineering organizes a substantial number of workshops and seminars, thus giving its students a chance to interact with eminent industrialist and academicians. The Dept. aims at transforming its students into world-class professionals with great aptitude for technology and ethics in conduct by giving them efficient skills involving research, leadership, communication, management and team work. All these efforts lead us to attract the mechanical industry.

## IMPORTANT DATES

Receipt of Abstract	10/02/2014
Notification of Acceptance	17/02/2014
Registration & Receipt of full paper	03/03/2014
Conference	11-12/04/2014

## REGISTRATION FEES

A letter of intent, forwarded by the head of the organization/institution, along with the remittance should reach the convener **on or before March 15, 2014**. Please include your contact e-mail, phone number, FAX and address. Payment should be made through DD in favour of '**Principal, JaganNath Gupta Institute of Engineering & Technology**' payable at Jaipur. The applicants must also send an e-mail to [ltpme2014@jnit.org](mailto:ltpme2014@jnit.org) and express their intent to participate in the Conference.

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