

**“National Conference on Present Scenario and Advanced
Technology In Mechanical Engineering”(PSAT 2011)**

14-15 DECEMBER, 2011

Organized by

JMIT

RADAUR-135133,DISTRICT-YAMUNANAGAR, HARYANA, INDIA

The Mechanical Engineering Department of JMIT, Radaur has organized two days National Conference on “Present Scenario and Advanced Technology in Mechanical Engineering” on 14th & 15th December, 2011. This is the second National Conference organized by this department.

Dr. Ramesh Kumar, General Secretary inaugurated the conference by enlightening the lamps followed by Saraswati Vandana. Dr. M.K. Madan, Director, JMIT addressed the delegates. Mr. S.K. Garg (HOD, Mechanical Engg. Department) enlightened the audience by giving broad view about National Conference. Dr. I.P. Singh (Convener) welcomed the participants.

The major aim of this conference is to bring together academicians, leading engineers , industry researchers and scholar students to exchange and share their experiences and research results about all aspects of Mechanical Engineering & Technology and to discuss the practical challenges encountered and solutions adopted. Another goal of the conference is to promote scientific information interchange between researchers, developers, engineers, students & practitioners working in India.

In this conference 66 research papers have been received from different states of country. Out of 66 papers, 45 have been selected which will be presented in this conference. Academicians are coming from different parts of the country to present the research papers.

In this conference , academicians from more than ten states have assembled on this platform of National Conference. The delegate will present their research work in five technical session spread over two days. Major thrust area of this conference are design optimization, CAD/CAM, Smart materials and advanced composites & thermodynamics etc.

Dr. A. Manna talked about hybrid techniques for drilling hard surfaces. He desired various techniques to cut very hard material accurately. He explained the importance of producing hard materials. These materials are used in

ships, aeroplanes, cars and other machines, there by increasing their efficiency. He has also stressed the need of nano machining because of increase in use of nano materials.

Dr. Dinesh Khanduja, Professor in Mechanical Engineering department, NIT, Kurukshetra stressed that students must be trained to become entrepreneur right from the beginning of engineering course. The students having talent to become entrepreneur must be recognized in the first year itself and should be trained to become successful entrepreneur by the end of the course. He mentioned the various characteristics which an entrepreneur should have. He further stressed that Institute should formulate new strategy, change the existing curriculum and install new programme to accommodate entrepreneurship development.

Dr. I.P. Singh said that engineers have to design, construct and produce modern machines to produce everything i.e. wanted and needed by mankind only then knowledge based knowledge rich society can be developed.

Sh. Sanjeev Garg, HOD, Mechanical Department , JMIT delivered a talk about metal composites which give better performance than the parent metals. He explained the methods of producing best composites.

Other speakers talked about advanced inspection, techniques, zero defect production, cost reduction techniques, design of electric rickshaw, development of paper industry.

Dr. B.S. Gill , farmer, Chairperson of Mechanical Engineering Department of NIT, Kurukshetra has talked about the scope of research in fluid machining. He has also discussed the latest on going research in this field.

On this occasion, Pt. Gian Parkash (Vice Chairman, BOG, JMIT, Radaur) Mr. Ishwar Aggarwal (Registrar, JMIT), Dr. J.P. Gupta, Dr. A.K. Mana, Dr. Dinesh Khanduja, Dr. B.S. Gill, Dr. Randhir Singh, Mr. Manoj Arora, Mr. Vivek Sharma, Mr. Rishi Sarup Sharma, Mr. Kapila, Mr. Sudhanshu Gupta, Dr. Shalini Garg, Mr. Sanjeev Garg, Mr. L.S. Reen, Mr. Vikram Verma were present.