INTRODUCTION

Metal matrix composites have found great impact in the current engineering sectors like automobile, aerospace components and artificial limb industries due to their attractive properties of light weight, high hardness, and low density in terms of mechanical and morphological perception. The purpose of the metal matrix composites is to obtain materials having high-wear resistance, high-specific strength, and good thermal stability in elevated temperature applications.

In recent scenario, researchers mostly render their attention towards the incorporation of boron nitride (2.1 g/cm3) particle into the matrix material which provides distinctive properties such as low density, material strengthening, high hardness, high temperature resistance and better bonding between the matrix.

Objectives:

1. To Create awareness among the participants about the impact of Metal Matrix Composites in current engineering sector.
2. To know about recent scenario and researchers attention towards characterization and machinability of Metal Matrix Composites.
3. To create interest to do research on Metal Matrix Composites.
4. Present opportunity for participants to identify business requirements, technology availability, market for products & products for market etc.

Contents:

- Characterization and Machineability Studies of Metal Matrix Composites
- Application of Friction stir Welding by using Dissimilar Metals
- Recent advancement in hybrid metal matrix composites for functional applications
- Machinability aspects of metal matrix composites

Resource Persons:

1. Dr N. Senthil Kumar,
Professor,
Saveetha School of Engineering, SIMATS, Chennai

2. Dr. C. Elanchezhian,
Professor, Sri Sairam Engineering College, Chennai

3. Dr. G. Anbuchezhiyan,
Associate Professor,
Saveetha School of Engineering, SIMATS, Chennai

4. Dr. Kiran Kumar Namala
Associate Professor,
VNRVJIET, Hyderabad

Important Dates:

Last Date for receiving applications:

24th February 2021

Date of Intimation to the Selected Candidates: 25th February 2021

Registration Fee: No registration fee

Registration Link:

https://forms.gle/HKYPrCRJdVDgrRcb9

Contact Details:

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APPLICATION FORM
Two-day National level Seminar on

Characterization and Machinability Studies of Metal Matrix Composites & Friction stir welding

26 – 27 February 2021

Name (in Block Letters): .....

.....

Qualification : .....

Experience : .....

Designation : .....

Department : .....

Organization : .....

Address for Communication : .....

.....

.....

E-mail : .....

Mobile No : .....

Office Phone No. : .....

Place:

Date:

Signature of the candidate

Two-day National level Seminar on

Characterization and Machinability Studies of Metal Matrix Composites & Friction stir welding

26-27 February 2021

Estd.1995

Organized by

Department of Automobile Engineering

VNR Vignana Jyothi Institute of Engineering and Technology

An Autonomous Institute & Accredited by NAAC with 'A++' Grade

Bachupally, Nizampet (S.O)

Hyderabad-500090

Telangana State, INDIA

About the College

VNR Vignana Jyothi Institute of Engineering and Technology (VNRVJIET), sponsored by "VIGNANA JYOTHI", an educational society, started by a group of Industrialists, Technocrats and Professionals, has started functioning from the year 1995. The Institute is an established, premier research and innovation driven engineering college which has made a mark for itself in providing quality education for more than two decades. The Institute is approved by AICTE and affiliated to JNTUH. The Institute offers 9 B.Tech. and 13 MTech. and Ph.D. (AICTE-NDF, JNTUH) Programmes with 6500 students on rolls. It has UGC autonomous status up to A.Y. 2028-2029 and has been accredited by NAAC "A++" grade, B.Tech. programs CE, EEE, ME, ECE, CSE, EIE, IT are accredited by NBA.The Institute got 109 NIRF rank in Engineering category in NIRF 2019. It is consistently ranked among the top few engineering colleges at the national level and in both the states of Telangana and Andhra Pradesh. The Institute is also rated Diamond in Overall category by QS I-GAUGE.

About the Department

The Department of Automobile Engineering commenced with an undergraduate programme in the year 2010. Keeping itself up-to-date with the latest developments in the field with a dedicated team of highly qualified and experienced faculty in various streams of automobile engineering, the Department consistently strives to provide world-class facilities for education and research. The Department has laboratories with modern and state-of-the-art equipment, well-furnished seminar hall and a library with a collection of various journals, magazines and books. The Department also maintains a close liaison with a number of Industries through faculty research and collaborative projects. Industry training and identifying industry relevant problems for research is a special characteristic of the programmes offered by the Department. Faculty members are continually publishing the results of their research work as technical papers in international and national journals and conferences.

Patrons:

Dr. D. N. Rao
President, Vignana Jyothi
Sri. K. Harishchandra Prasad
General Secretary, Vignana Jyothi

Co-Patron:

Dr. C. D. Naidu
Principal, VNRVJIET

Chief Advisors:

Dr. B. Chennakesava Rao
Director for Advancement, Dean Admin., VNRVJIET
Dr. K. Anuradha Professor, Dean Academics

Convener:

Dr. T. Srinivasa Rao
Professor & Head of Department – Automobile Engineering

Co-Ordinator:

Mr. T.S. Krishna Kumar –	Assistant Professor

Co-Coordinators:

Mr. T. Praveen Kumar	Assistant Professor
Mr. T. Raju	Assistant Professor
Mr. M. Krishna	Assistant Professor
Mr. M. Venkata Ramarao	Assistant Professor

Organizing committee Members:

Dr. M. Venkata Ramana	Professor
Dr. Shaik Amjad	Professor
Mr. K. Kodanda Ram	Associate Professor
Mr. G.V.L. Prasad	Assistant Professor
Mr. R. Ramu	Assistant Professor
Mr. Ch. Vamsi Krishna	Assistant Professor
Mr. B. Pavan Bharadwaja	Assistant Professor
Mr. D. Suresh	Assistant Professor
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Mr. Balappa Hadagali	Assistant Professor
Ms. K. Gowthami	Assistant Professor