

## Details of Organising Committee

### • Chief Patron

**Prof. D. Raj Reddy,**  
*Chancellor, RGUKT*

### • Patrons

**Prof. P. Vijaya Prakash,**  
*Vice-Chancellor, RGUKT .*

**Prof. V. Venkata Dasu,**  
*Director, RGUKT-Nuzvid.*

### • Convenors

**Mr. B. Venkateswarlu,**  
*Hod-MME, RGUKT Nuzvid.*

**Mr. A. Veera Sreenu,** *Asst. Professor,*  
*MME dept., RGUKT, Nuzvid*

**Dr. Ratna Sunil,** *ME.Dept. Nuzvid.*

### • Coordinating Committee

**Mr. Dasari Madhu,** *Lecturer, MME*

**Mr. Siva T,** *Lecturer, MME*

**Mrs. Dilkush,** *Lecturer, MME*

**Mr. Suresh Chand,** *Lecturer, MME*

**Mr. Gourahari Behera,** *Lecturer, MME*

**Mr. Y. Naidu Babu,** *Lecturer, ME*

**Mr. G. Mohan Rao,** *Lecturer, ME*

## About RGUKT

RGUKT was established in the year 2008 by an act of A.P state Legislature to address the educational needs of rural youth of State. Dr. Raj Reddy and Late C.M. Dr. Y. S Raj Shekar Reddy, played pivotal role in creation of RGUKT. RGUKT admits the SSC passed meritorious students to its six year integrated program comprising of MME, ME, Civil, CSE, ECE, Chem.

RGUKT-Nuzvid is about 55km from Vijayawada Pandit Nehru Bus Station and 30km from Vijayawada National Airport.

## Department of MME

Department of MME has laid strong emphasis on helping students acquire practical knowledge assisting the students to freely explore the department resources and carry out their academic activities.

The Department labs are equipped with highly sophisticated machines and equipments to broaden the practical knowledge of the students.

### Lab Facilities:

- X-Ray Diffraction (Bruker's D8- DISCOVER)
- FESEM ( Zeiss Merlin Compact)
- Servo Hydraulic Testing Systems (Instron)
- Electromechanical UTM (Zwick)
- Creep Rupture Testing Machines
- MIG Welding Machines
- ElectroChemical Workstations (IVIUM)
- Energy Microwave Sintering Furnace
- Optical Microscopy facilities

## Department of ME

Mechanical Engineering Department @ RGUKT has been established in the year of 2011. All the Faculty members are from the National Premier institutes such as IITs and NITs. The Department has equipped with state of the art labs and all the faculty members are actively involving in research areas.

### Lab Facilities

- Computer Numerical Control (CNC) lathe machine.
- Universal Testing Machine (UTM).
- Universal milling machine.
- Tungsten Inert Gas (TIG) welding.
- Internal Combustion Engine Laboratory.

## Contact us

### Convenors

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**Mr. A. Veera Sreenu** (*Asst Prof., MME*) +91-7799308945

**Dr. Ratna Sunil** (*Dept of ME*) +91-9677119819

### Student Co-ordinators

**K. Akhil** +91-9642720817, **G.S.S. Gupta** +91-8985066125

Email Us : [amrptmme@gmail.com](mailto:amrptmme@gmail.com)

# National Workshop on Advances in Materials Research & Processing Technologies

# AMRPT-2016

## RGUKT-Nuzvid

02 April, 2016



Organized by

Department of Metallurgical  
and Materials Engineering

In Association

Department of Mechanical Engineering



## About AMRPT-2016

The Objective of the workshop is to facilitate the knowledge transfer and to generate awareness about the current state of art technology in the field of Materials Research and Materials processing Technologies and to motivate towards the thrust research areas. It helps us to understand the Structure Property co-relation of advanced materials such as Ni-based super alloys, UHSLA Steels, Nano Materials and in-situ Composites, Bulk Metallic Glasses, High entropy Alloys.

It also emphasizes the development of advanced processing techniques and their merits & De-merits, implications on the process economy, environmental safety, Quality & performance. The workshop will also discuss about the specific applications of advanced processing techniques and associated challenges with them and identify the thrust areas for the R&D.

### The workshop deliberates the following topics :

- *Materials and Technologies for Energy Systems*
- *Structure – Mechanical Property co-relationship in UHSLA-steels.*
- *Nano Materials & Composites.*
- *Bulk Metallic Glasses.*
- *High entropy Alloys.*
- *Advances in Materials Joining Technologies (Fusion&Solid state) for strategic applications*
- *Advances in Additive manufacturing techniques for real time applications.*

### Mode of Payment

All the National Bank Account holders may remit their money to the Workshop Account(Account Name:GOURAHARI BEHERA Account No's: 62354096866, Branch : RGUIIIT-SBH, IFSC Code: SBHY0021233. Demand Draft/Cheque drawn in the favour of " GOURAHARI BEHERA ".

## Distinguished Speakers



**Prof.B.S.Murty**  
(FNAE, FNA, FASc, FNASc, FIIM, FASM, FAPAM), Head, Dept of MME, IIT-Madras, Professor-in-Charge, MHRD Centre on Nanotechnology Shanti Swarup Bhatnagar Award (2007)

**Fellow of:** :Asia Pacific Academy of Materials (2013) Indian National Science Academy (2013), ASM International (2010), Indian Academy of Sciences (2008), National Academy of Sciences (2008), Indian National Academy of Engineering (2007), Indian Institute of Metals (2015), Total No of PhDs Guided: 44 (31 completed + 13 ongoing), Total No of Publications: 398



**Prof.K.Bhanu Sankara Rao**  
(FASM, FNAE, FASc, IIM) Ministry of Steel Chair Professor Best Metallurgist Award from Ministry of Steel (1995), MRSI Medal (1997), NASA Appreciation (1994), Binani Gold Medal of IIM (1990)

Fellow of ASM International, Fellow of Indian National Academy of Engineering, Fellow of Indian Academy of Sciences, Fellow of Indian Institute of Metals, Total No of Publications: 360 , No.of Books Edited: 08.



**Dr.G.Malakonadaiah.**  
(FNAE, FAPASc) Scientist "H" & Distinguished Scientist, DS & CC R&D (HR & M) of DRDO, Ex.Director, DMRL, Hyd INSA young Scientist Award (1983) National Metallurgist Day Award (1992) Scientist of the year-2000

AGNI Award for Excellence in Self-reliance 2005, SAil Gold Medal 1997, MRSI Gold Metal 1998, VASVIK Award 2008, BHU alumnus Award 2010, Titanium trophy 2008, DRDO Technology Leadershi award 2010



**Dr.G.Madhusudhan Reddy (FASM)**  
Scientist "H" & Outstanding Scientist Head, Materials Joining Group. Defence Metallurgical Research Laboratory, Hyd. INAE Young Engineer Award (1998), Metallurgist of the Year Award 2007) Binani Gold Medal (2010, 1994)

SK Mazumder Memorial Lecture Award 2012, Modi Award (2003) IWS Award (2005) Weldman Award (2001), KCP Award (2001), DMPanthaki Award (2000, 2001), I.T. Mirchandani Memorial Research Award (2011), H.D. Govindraj Memorial Award (2011), D&H Secheron Award (2011), Weldwell Speciality Award (2010, 2011) .



**Dr.G.D.Janaki Ram,**  
Associate Professor, Dept of MME, IIT -Madras. No. of US Patents: 03 (Additive Manufacturing). Total value of sponsored research projects: 500 lacs approx: (completed + ongoing)

Research Interests: Welding, Additive Manufacturing, Failure Analysis, No of Publications: 70+ , One book section in Materials Processing Hand Book, USA-2007.

### Important Dates

Early Bird Registration: **15th Mar 2016**  
Last Date of Registration: **25th Mar 2016**  
Workshop Event Dates: **02nd Apr 2016**

### Venue

**RGUKT-Nuzvid, A1-WORKSHOP Mylavaram Road, Nuzvid-521202; Andhra Pradesh, India.**

**Registration Fees \* 300 seats only**

Candidate	Fees
Students (RGUKT)	250/-Rs
Faculty (RGUKT)	500/-Rs
Researchers, Other Students	1000/-Rs

\* for only Early Bird Registrations