



# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

UGC-AUTONOMOUS

## Recruitment of JRF(MECH-02)

Application are invited for the positions of JRF (Temporary)  
in the SERB, DST funded projects.  
(Duration: 3 Years)

Last date for receipt of applications : 29th October 2015

**PROJECT-1:** Experimental Investigations and Hybrid Approach for Modeling & Multi Objective Optimization of Pulsed Laser Milling of Micro-Channels.

**Essential Qualification:** First class in M.E/M. Tech, Mechanical Engineering with Advanced Manufacturing Systems/Production Technology/Machine Design/CAD/Cam/ Manufacturing Allied specialization.

**PROJECT 2:** Simulation and Analysis of Fire Accidents in Passenger Train Cars.

**Essential Qualification:** First class in M.E/M. Tech, Mechanical Engineering with Thermal Engineering or related specialization. *Prior experience in CFD is desirable.*

● **Consolidated Salary:** 25,000/- pm for first two years and 28,000/- pm for third year (with GATE Score or NET). 16,000/- pm for first two years and 18,000/- pm for third year (with No GATE Score or NET).

*Interested and eligible candidates may send their resume by email to : [principal@mits.ac.in](mailto:principal@mits.ac.in) or [dean-research@mits.ac.in](mailto:dean-research@mits.ac.in)*

For more details visit : [www.mits.ac.in](http://www.mits.ac.in)



# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-Autonomous)

Post Box No: 14, Angallu, Madanapalle- 517325,  
Andhra Pradesh, India  
[www.mits.ac.in](http://www.mits.ac.in)

## DEPARTMENT OF MECHANICAL ENGINEERING

Advt. No. MITS/ME/ SERB/JRF/2015

Date: 13-10-2015

### Advertisement for the position of temporary JRF

Applications are invited from the interested candidates for one temporary position of **Junior Research Fellow (JRF)** to work in a Science and Engineering Research Board (SERB) sponsored Project entitled “**Experimental Investigations and Hybrid Approach for Modeling & Multi Objective Optimization of Pulsed Laser Milling of Micro-Channels**”.

#### Details of qualifications, Emoluments and duration are given below:

Name of position	Junior Research Fellow (JRF)
Essential Qualifications	First class M.Tech /M.E in Mechanical Engineering/Advanced Manufacturing Systems/ Production Technology / Machine Design / CAD/CAM or any other Manufacturing Allied specialization
Duration	3 Years
Consolidated Salary	25,000/- pm for first two years and 28,000/- pm for third year (With GATE Score or NET). 16,000/- pm for first two years and 18,000/- pm for third year (With No GATE score or NET)

Interested and eligible candidates may send their resumes by email to: [principal@mits.ac.in](mailto:principal@mits.ac.in) or [dean-research@mits.ac.in](mailto:dean-research@mits.ac.in).

The interview date will be communicated to the eligible candidates through e-mail or phone.

For any further information or clarification, the candidates may contact the Principal Investigator (address and phone number given below).

**No TA/DA will be paid for attending the interview.**

### Dr. G. Harinath Gowd

Principal Investigator

Professor & Head

Department of Mechanical Engineering

Madanapalle Institute of Technology & Science

(UGC- Autonomous)

Post Box.No. 14, Angallu, Madanapalle - 517325

Andhra Pradesh, INDIA

Email: [harinathgowdg@mits.ac.in](mailto:harinathgowdg@mits.ac.in)

Tel: 9160020782 (O), 9441190044 (M), 08571-280555 (Extn. 126)



# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-Autonomous)

Post Box No: 14, Angallu, Madanapalle- 517325,  
Andhra Pradesh, India

[www.mits.ac.in](http://www.mits.ac.in)

## DEPARTMENT OF MECHANICAL ENGINEERING

Advt. No. MITS/ME/ SERB/JRF/2015

Date: 13-10-2015

### Advertisement for the position of temporary JRF

Applications are invited from the interested candidates for one temporary position of **Junior Research Fellow (JRF)** to work in a Science and Engineering Research Board (SERB) sponsored Project entitled “**Simulation and Analysis of Fire Accidents in Passenger Train Cars**”.

**Details of qualifications, Emoluments and duration are given below:**

Name of position	Junior Research Fellow (JRF)
<b>Position Description</b>	<p>The Junior Research Fellow will assist the PI of the said project in the following tasks</p> <ol style="list-style-type: none"><li>1. Survey of literature on project related topics</li><li>2. Developing computational models for prediction of fire dynamics</li><li>3. Simulating fire accidents using suitable CFD software</li><li>4. Write programs in C/C++ for CFD simulations</li><li>5. Analyzing the results using visualization software</li><li>6. Preparing monthly reports on the progress of the project tasks</li><li>7. Writing research papers for publication in journals</li></ol> <p>In addition the JRF may be given teaching and other related duties to suit the needs of the PI and the Department and to provide an all-round academic training to the JRF.</p>
<b>Essential Qualifications</b>	First class M.Tech /M.E in Mechanical Engineering with Thermal Engineering or related specialization
<b>Desired Skills</b>	C/C++ Programming, Knowledge of CFD techniques, experience in turbulence modeling, reacting flows, multi-phase flows, ANSYS FLUENT and TECPLOT
<b>Duration</b>	3 Years
<b>Consolidated Salary</b>	25,000/- pm for first two years and 28,000/- pm for third year (With GATE Score or NET). 16,000/- pm for first two years and 18,000/- pm for third year (With No GATE score or NET)

Interested and eligible candidates may send their resumes by email to: [principal@mits.ac.in](mailto:principal@mits.ac.in) or [dean-research@mits.ac.in](mailto:dean-research@mits.ac.in).

The interview date will be communicated to the eligible candidates through e-mail or phone. For any further information or clarification the candidates may contact the PI (address and phone number given below).

**No TA/DA will be paid for attending the interview.**

**Dr. Suryanarayana Raju Pakalapati**

**Principal Investigator**

Professor

Department of Mechanical Engineering

Madanapalle Institute of Technology & Science

*(UGC- Autonomous)*

Post Box.No. 14, Angallu, Madanapalle - 517325

Andhra Pradesh, INDIA

Email: [drsurya@mits.ac.in](mailto:drsurya@mits.ac.in)

Tel: 9100973376 (M), 08571-280555 (Extn. 126)