

## RESUME

**Vagula Madhu Sekhar**

M.Tech. Industrial Metallurgy

Registration No: M.Tech./INM/1 1544013/2013

Email: madhusekharv@gmail.com, IIT Roorkee

**Area(s) of Interest:** Material science, Heat transfer, Thermal Engineering, Machine Design, Metrology.

<b>Educational Qualifications</b>	<b>Year</b>	<b>Board/Institution</b>	<b>CGPA* / %</b>
M.Tech	2013	IIT Roorkee	7.2
UG (Mechanical Engineering)	2011	Sri Krishnadevaraya University	80.6
Intermediate	2007	Adarsa junior college, Kurnool	94.3
Tenth	2005	Government high school Loddipalli village	87.2

## INTERNSHIP

### SREE RAYALASEEMA GREEN ENERGY LIMITED

**Training** - In this training I learned about the performance of steam turbine and their parameter limits. And observed the steam turbine efficiency and developed a C program for turbine efficiency.

## PROJECTS

### IIT Roorkee

**Title:** SLIDING WEAR BEHAVIOUR OF SiC CERAMICS (1 YEAR)

Owing to unique combination of hardness, high temperature strength and excellent resistance to wear and corrosion, silicon carbide (SiC) is a potential material for structural application such as tools for machining hardened steel, bearings, seals, turbine components, hot gas flow liners, heat exchangers etc. The tribological behaviour of SiC ceramics sintered using large amounts (>5 wt%) of sintering additives is largely reported. For the first time, friction and wear behaviour of SiC ceramics prepared

with 1 wt% of AlN-Y<sub>2</sub>O<sub>3</sub> and AlN-Lu<sub>2</sub>O<sub>3</sub> sintering additives is studied in present work with different sliding conditions on unlubricated sliding, and the mechanisms of material removal is highlighted.

## **PUBLICATIONS**

### **Conference**

**Title** : Sliding wear behaviour of SiC ceramics  
**Authors** : Vagula Madhu shekar , Dr. B.V. Manoj Kumar  
**Conference name** : 2<sup>nd</sup> World Conference On Applied Sciences,  
Engineering And Technology, GITAM  
UNIVERSITY,  
Hyderabad, 8-9 march 2013.

## **SKILLS AND ACHIEVEMENTS**

Computer Languages : C, C++  
Software Packages : AUTOCAD, CATIA, ANSYS, Pro E,  
Languages Known : English (SRW) , Telugu (SRW) , Hindi (RW)

**WORK EXPERIENCE :** Working In SRM University (NCR Campus) as an Assistant professor from july 2013.

## **EXTRA CURRICULARS**

### **SVITS QUEST -2K9 :6th National level technical symposium (2009)**

Attended the conference of SVITS QUEST - 2K9 and presented the topic titled" ADVANCED MANUFACTURING TECHNOLOGY (RAPID PROTOTYPING)" .

### **VIVEKANANDA STUDY CIRCLE (2009)**

Serviced to the floods affected peoples in Kurnool district, providing artificial shelters and supplying food packets.

**TECHNICAL EXHIBITION & SCIENCE FAIR ( VIGNANAMELA )(2010)** Participated as a Volunteer in organising VIGNANAMELA

## **PERSONAL DETAILS**

Father's Name :V Yellaiah  
Date of Birth :July 1, 1990  
Gender :Male  
Contact No :7838048051  
Category :Other Backward Classes  
Permanent Address :H.NO-2/88,LODDIPALLI  
VILLAGE,ORVAKAL MANDAL,KURNOOL  
DIST, Kurnool – 518002  
:

## REFERENCES

**Dr.Anjan Sil**

Professor  
IIT ROORKEE  
[asil1fmt@iitr.ernet.in](mailto:asil1fmt@iitr.ernet.in)  
91-1332-285073

**B.Venkata manoj kumar**

Assistance Professor  
IIT ROORKEE  
[asil1fmt@iitr.ernet.in](mailto:asil1fmt@iitr.ernet.in)  
+918755746590