Mailing address:
Room No -503,
1000 Sq.Ft Apartments,
IIIT Basar-504101,
Telangana, India.

E-Mail:kumar.sana90@gmail.com

Mobile No :7207752624

OBJECTIVE:

To obtain a responsible position in the domain of thermal engineering by which, my existing analytical skills can be utilized and enhanced to the full extent and my knowledge be continuously updated with new concepts and ideas.

PROFESSIONAL SUMMARY:

- completed 8.5 years faculty position in iiit basar.

EDUCATIONAL QUALIFICATIONS:

Course	University/Board	Institution	Year of Passing	CGPA/Percentage
M.Tech	IIT Kharagpur	IIT Kharagpur	2012	8.01
B.Tech	Kakatiya University	KITS Warangal	2010	75.6
Intermediate	Board Of Intermediate	Sri Chaithanya Haritha Junior College	2006	88.2
SSC	Board Of Secondary Education A.P	Viveka Vardhini High School	2004	85.1

M.Tech PROJECT DETAILS:

Title of Main Project:

- Study of natural convection using schlieren technique.

Guide: Prof.Manab Kumar Das & Prof.S.Roy.

Description:

- The application of quantitative schlieren technique to the study of two-dimensional free convection heat transfer is presented.
- The schlieren technique utilizes the refraction of light rays to display a pattern related to the temperature field.

- The schlieren images recorded enable the temperature field and local heat transfer coefficents to be reconstructed.
- The description of the experimental technique results concerning standard geometrical configuration(a single, vertical plate) is presented
- The results compared with theoretical prediction and numerical computation

TERM PROJECT:

- Design of air washer.

B.Tech Project:

Title of Project:

- Fault diagnosis of forced draught fans

Guide: Prof. K.Sridhar.

Description:

- We have found out the different problems in the fans used for power plants
- We have got remedies to solve the problems mainly vibration problems using spectrum analyser.

RELEVENT M.TECH COURSES COVERTED:

Conduction and radiation heat transfer	Thermodynamics
Mathematical methods used in thermal engineering	Fluid mechanics
Refrigeration Systems	Convective heat transfer
Compressible flow	Solar energy
Gas turbines	Computational fluid dynamics

SOFTWARES:

MATLAB,FLUENT.

EXTRA CURRICULAR ACTIVITIES:

- Participated in Illu-2010 in iit kharagpur.

- Organised fests in college.

PERSONAL DETAILS:

Name	: Sana Kumar
Email ID	: kumar.sana90@gmail.com
Contact No.	7207752624
Date of Birth	: 17 March 1989
Sex	: Male
Marital Status	: Married

DECLARATION:

I hereby declare that the above information is correct to the best of my knowledge.

PLACE : Basar.
DATE : 19/ 03 /2021. SANA KUMAR