

# KAUSHAL KUMAR

Graduate

School of Mechanical Engineering, Faculty of Engineering  
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## OBJECTIVE

To utilise the basket of knowledge & experience in a stable institution of highly motivating and challenging environment that would provide opportunities for growth in a dynamic and stimulating workplace.

## EDUCATION

S. No.	Degree/Certificate	CGPA/ % age	University/ Board	Year
1.	Bachelor of Technology	7.78 <sup>†</sup>	Shri Mata Vaishno Devi University	2015 <sup>‡</sup>
2.	Higher Secondary	71.83 %	Central Board of Secondary Education	2010
3.	High School	78.60 %	Central Board of Secondary Education	2008

<sup>†</sup> CGPA on a 10 point scale.

<sup>‡</sup> Year of Completion.

## TRAINING EXPERIENCE

- 4 weeks of Summer Training on Coal Handling Processes at Hindalo Power Division, Renuagar, Sonebhadra, U.P. India.
- 6 weeks Summer Training on Overview of Thermal Power Plant and Operations in Turbine Operation/Maintenance Division of BTPS Anpara Sonebhadra, U.P. India.

## TECHNICAL SKILLS

1. MODELLING AND ANALYSIS SOFTWARES: Pro-E, TRNSYS, AutoCAD
2. PROGRAMMING SOFTWARES: C, C++, ASP.NET using C#
3. TYPESETTING SOFTWARES: L<sup>A</sup>T<sub>E</sub>X

## PROJECTS

**MAJOR PROJECT ON BUILDING SIMULATION:-** The project strives to study the feasibility of heliothermal application of solar collector using simulation and analysis tool TRNSYS for heating of concrete floor and walls by employing buried pipes. These buried pipe operate when the temperature of the water entering into it is above 30 °C by employing a diverter and a feature called Equa. The results obtained can be employed to exploit the stated system for both commercial and residential purposes.

## CORE COURSES

**MECHANICAL ENGINEERING:-** Thermodynamics, Engineering Graphics, Fluid Mechanics and Hydraulic Machines, Engineering Mechanics, Material Science & engineering, Strength of Materials, Theory of Machines, Thermal Engineering, machining Processes, Mechanics of Materials, Internal Combustion Engines, Heat and Mass Transfer, Refrigeration and Air Conditioning, CAD/CAM, Metrology and Measurements, Automobile Engineering, Robotics and Mechatronics.

#### CO- CURRICULAR ACTIVITY

- Worked as Senior Mentor at Vikalp ( A NSS Activity ) at University Level.
- Worked as NSS Secretary at University Level and organized a number of NSS events.
- Worked as Core - Coordinator at Vikalp ( A NSS Activity ) at University Level for 2 years.
- Worked as volunteer at Vikalp ( A NSS Activity ) at University Level.
- Participated in Theatre in an International Conference at University Level.
- Participated in Debate and Drama events at School Level.

#### PERSONAL DETAILS

Date of Birth ..... March 22, 1993  
Father's Name ..... Sri Arvind Kumar Dubey  
Mother's Name ..... Smt Sushma Devi  
Gender ..... Male  
Languages ..... English , Hindi (Elementary Proficiency)  
Marital Status ..... Single  
Nationality ..... Indian

#### PUBLICATIONS

- Y. Anand, **K. Kumar**, S. Anand and S.K. Tyagi, (2014) TRNSYS based analysis of heliothermic processes for sustainable buildings, 12<sup>th</sup> International Congress on Renewable Energy ICORE, 52-57.

#### REFERENCES

- Dr. Sanjeev Anand, In-Charge, Director, School of Energy Management, Shri Mata Vaishno Devi University **Email:** *sanjeev.anand@smvdu.ac.in*.
- Mr. Yatheshth Anand Assistant Professor, Project Incharge School of Mechanical Engineering **Email:** *y.anand@smvdu.ac.in*.
- Dr. Varun Kumar Tripathi, In-Charge, Director, School of Philosophy and Culture **Email:** *varun.tripathi@smvdu.ac.in*.

#### DECLARATION

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Date: Sunday, March 6, 2016

Place:

KAUSHAL KUMAR