Tazheeb Shamsi

Mechanical Engineer

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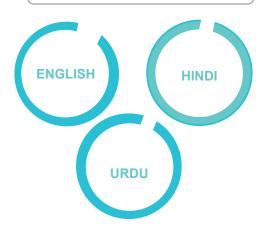✉ thshamsi@hotmail.com

📍 Vimanpura, Bengaluru-17

thshamsi

Self - evaluation

To work in a firm with a professional work driven environment where I can utilize and apply my knowledge, skills which would enable me as a fresh graduate to grow while fulfilling organizational goals.

Software - skills

- ✓ React Js
- ✓ HTML5
- ✓ CSS
- ✓ JavaScript
- ✓ Python
- ✓ Siemens NX
- ✓ CATIA v5
- ✓ SOLIDWORKS
- ✓ AutoCAD

Languages

ENGLISH

HINDI

URDU

Basic Academic Credentials

Maulana Azad College of Engineering & Technology, Patna

Bachelor of Technology in Mechanical

Magadh University, Bodh Gaya

Session: 2016-2020

Aggregate Percentage: 72.75%

L.S. College, Muzaffarpur

Intermediate in Science

BSEB, Patna

Session: 2013-2015

Percentage: 61.60%

Govt. High School, Brahmpura, Muzaffarpur

Matriculation

BSEB, Patna

Session: 2012-2013

Percentage: 68.60%

Projects

B.Tech.: *Heat Transfer Enhancement of Phase Change Materials (PCM) for Thermal Energy Storage (TES)*

- ➢ Both numerical and experimental investigations of melting of a Nano PCM (paraffin wax with Alumina) in a square encloser have been performed for both charging and discharging cycles relevant to thermal energy storage system.
- ➢ Investigations have been performed for two different boundary conditions i.e., heating and cooling from side vertical wall and top vertical wall of the encloser.
- ➢ Simulation enthalpy porosity technique is used to solve the governing equations.

Interpersonal-Skills

- Leadership
- Communication
- Critical thinking
- Risk management
- Cost management
- Tolerant and flexible adaptation.
- Confident & determined.
- Ability to rapidly build relationship and setup trust.
- Ability to cope up with different situations.
- organizing ability and optimization ability.
- Excellent learning ability.
- Confident & determined.

Hobbies

- Listening Music
- Internet Browsing
- Video Gaming
- YouTubing
- Video Editing

- Effect of heat transfer and melting rate of PCM can be observed for different boundaries temperature.
- User Defined Functions (UDF) was written in C language for the material property like density, viscosity and thermal conductivity respectively
- Numerical analysis can be carried out for other types of phase change materials (PCM) like sodium, sodium chloride etc.

Internship Project: *Compressor and its types*

- Low-pressure air compressor (LPACs)
- Medium-pressure air compressor (MPACs)
- High-pressure air compressor (HPACs)
- Single Stage reciprocating compressor, Two-stage reciprocating compressor, Compound compressor, Rotary screw compressor, Rotary Vane compressor, Scroll compressor, Turbo compressor, Axial compressor

Training & Workshop

- ❖ Winter Training: Samastipur Wagon Workshop (4 Weeks)

- ❖ Workshop: Automobile & IC engine Design at IIT Patna (2Days) [9th March – 10th march 2019]

Certifications

- ✓ CATIA 11th Aug 2021
- ✓ Python Programming 18st July 2021
- ✓ AutoCAD: 2D & 3D 19th May 2021
- ✓ Certified SOLIDWORKS Associate (CSWA) 14th May 2021
- ✓ Excel Advance 13th May 2020

References

- ✓ S. Shahbaz Anjum, Head of Department (Mechanical Department), MACET, Patna
- ✓ Tahzeeb Hassan Danish, Senior Scientist (Propulsion Division) National Aerospace Laboratories, Bangalore

Declaration: *I do hereby declare that the above information is true to the best of my knowledge.*

Place: _____

Date: _____   Tazheeb Hassan Shamsi