

VIJAY DURYODHAN

(M. Tech. in Thermal Engg.)

EMAIL: viju_d21@rediffmail.com

Mob No : 09987209911

Phone No : (07175)265593

Local Address:-

Room No. 72,

Hostel 1

IIT - Bombay

Maharashtra -INDIA

RESUME TITLE

M.Tech. in **Thermal Engineering (CFD & HT)** from National Institute of Technology, Hamirpur, Himachal Pradesh

CAREER OBJECTIVE

To work in an organization where innovation and excellence is the way of life, which will help me to explore myself fully and realize my potential. Willing to work as a key player in challenging & creative environment

PROFESSIONAL QUALIFICATION

➤ B.E in Mechanical Engg. From B.D.C.O.E. Sevagram, R.S.T.M.Nagpur university, Nagpur in 2005 with 61.73%

➤ Final year percentage is 68.25%

➤ M.Tech. in **Thermal Engineering (CFD & HT)** from National Institute of Technology, Hamirpur, Himachal Pradesh, in 2009 with **CGPI** of **8.87**.

➤ Currently Pursuing the **Ph. D. in Thermal Engineering** at IIT-Bombay.

JOB EXPERIENCE

- **Organization name** : **ANAMA ENERGIES PVT. LTD; PUNE**
- **Designation** : **Proposal Engineer**
- **Duration** : 28th Sept. 2005 To 30th July. 2007
- **About Company** : Since 1995 Company devoting its duties in providing the optimum solution based on the concept of Co-generation to the Customer using Steam, Natural Gas, or
Biogas. Supply, Erection and Commissioning, and after sales Servicing of the BackPressure Steam Turbine, CHP (Combined Heat and Power Unit), Gas Based Gensets and Heat Recovery System
- **Job Responsibilities** : Collecting the Data from the Field Persons or Customer.
 1. Analysis of all the data.
 2. Find out the Best Heat Recovery Solution based on Co-generation System.
 3. Checking the Practical Viability.
 4. Designing the Heat Recovery System and Layout.
 5. Making the Techno-Commercial Offer.

DESIGN SOFTWARE & COMPUTER LANGUAGES

- PRO-E Wildfire 2.0
- Worked on AutoCAD 2000.
- FORTRAN 77
- Fluent

PROJECTS

M. Tech. Project:

“Analytical and Numerical Simulation of Gas flow through Microchannel in Transition Regime.”

In this work flow phenomenon through the microchannel belonging to transition regime has been studied and special attention has been given to the effect of temperature rise on the friction factor, Poiseuille number under isothermal condition. Also the comparative study of compressible and incompressible flow has done. An analytical solution of Navier-stokes equation for velocity, pressure and mass flow rate through plane microchannel has been derived using second order slip boundary condition. Generalized Second order boundary condition with proper coefficient ($A_1 = 1.18$) & ($A_2 = 0.34$) has been used for both compressible and incompressible flow simulation. SIMPLE algorithm has been used for the pressure linked incompressible Navier Stokes equation to simulate incompressible flow using FORTRAN code. Analytical pressure distribution at the wall has been used for calculating tangential slip velocity distribution along the channel wall which then hooked to the FLUENT as UDF to simulate the compressible flow.

“Design and Fabrication of Hybrid Drive for Multiutility Cart.”

Hybrid Drive used in Automobiles to save the extra fuel consumption during Vehicle starting and to prevent the environment pollution, which would cause due to incomplete burning of fuel during startup.

We tried to implement the Hybrid System on Mini-Tiller used in the Farming; Designed and Installed the motor Drive on the Mini-Tiller.

Mini-Tiller starting run or Emergency Drive can be possible on Motor Drive.

SEMINARS

1. Concept of Multiutility Cart for Agriculture Purpose.
2. Hybrid Electric Vehicle.

SUMMER TRAINING:-

1. In Plant Training at Ordnance Factory Chanda.
2. In Plant Training at Chandrapur Super Thermal Power Station.

COMPUTER KNOWLEDGE

➤ MS Office.

PERSONAL DETAILS

Name	:	VIJAY S. DURYODHAN
Father's name	:	Shantaram M. Duryodhan
Date of Birth	:	10-04-1982
Marital status	:	unmarried
Nationality	:	Indian
Gender	:	Male
Language Known	:	Hindi, English, Marathi.
Hobby	:	Reading about new technological ideas & Novels soft music Listening Playing
Outdoor Games		
About My negative shades	:	I am very much possessive to my work
About My Positive shades	:	I know my negative points & can control, can express any thing to any body with
good communication skill		
Permanent Address	:	s/o Shantarm Duryodhan Near Pradnya Vikas Library Shivaji Nagar, Bhadrawati – 442902 (M.S.)

Date:

Place:

(Vijay S. Duryodhan)