 RESUME

## Dr. MAHESH KULKARNI

Sai Vihar, Raisoni Nagar

Jalgaon M.H.425001

Mb 9561114975

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**CAREER OBJECTIVE:**

To be a part of team, working towards the fulfillment of organizational goals through the process of self learning and development.

**PROFESSIONAL QUALIFICATION:**

**B.E**., Mechanical Engineering from SGSITS Indore (M.P.) in 2002.

**M.Tech**, Heat Power Engineering from Pune Institute of Engineering and Technology, Pune ( COEP Pune M.H.) in 2005

**Ph.D.** Completed PhD Degree (April 2022) in Mechanical Engineering from KBC North Maharashtra University, Jalgaon (M.H.).

**SPECIALIZATION:**

Heat Power Engineering (Mechanical)

**TECHNICAL KNOWLEDGE AND SKILLS:**

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| --- | --- | --- |
| Languages | : | LaTeX, FORTRAN, C |
| Operating Systems | : | Ubuntu, Windows9x/XP/me/NT/2000, Linux |
| Software skill | : | CATIA V5, AutoCAD2016 Version 20.1, UG, Fluent |

**EXPERIENCE**

**1. GATE SCORERS, JALGAON (Own Institute)**

**Department : Mechanical Engineering**

**Designation : Managing Director**

**Work responsibility : Content Development, Teaching & Overall Management**

**Content Development**

* Preparation of study material for Thermal, Production & Machine Design.
* Preparation of Mechanical Hand Book for quick revision on each chapter.
* Test series on each chapter & complete syllabus.

**Teaching**

* Thought all subject related to thermal e.g. Basic Thermal, Application of thermal, Heat Transfer, Fluid Mechanics & Machine etc.
* In machine design taught TOM, SOM, Machine Design & Vibration etc.
* In production used to teach all concepts on each chapter except NC Machine & Material Science.

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**2. SSBT’S COET JALGAON**

**Department : Mechanical Engineering**

**Designation : Assistant Professor**

**Area of interest : Thermal Engineering**

**From Dec 2012 to till date**

**3. GODAVARI COLLEGE OF ENGINEERING**

**Department : Mechanical Engineering**

**Designation : Assistant Professor**

**Area of interest : Thermal Engineering**

**From Jan 2010 to Nov 2012**

**4. LG ELECTRONIC SOUTH KOREA**

**R & D Cycle Development Group**

**1. Development of model:** To support the development & testing process of single inverter air conditioning unit.

**2. Other work:** Material request, sample model request & support line trouble shooting etc.

**CAC Infra Group**

**1. Technical Support:** Manual up gradation and prepare USP specification for new products.

**2. SSS.Web Site Management :** news update for new product, communication with other territory plant.etc

**From August 2007 to Nov 2008**

**5. COLLEGE OF ENGINEERING AMBAJOGAI**

**Department : Mechanical Engineering**

**Designation : Lecturer**

**Duration : July 2006 to August 2007**

**6. KIRLOSKAR PNEUMATIC CO LTD** – **Working as Design engineer in process gas division**

**Responsibilities**

* To prepare GA ,P&ID and project bill of material
* To prepare service & installation manual
* Follow up purchase department for material
* Coordination between erection & design department

**From May 2005 to May 2006**

**CURRICULAM PROJECTS:**

**Ph.D. Project**

**Project Title**:“Experimental Investigation of the Storage Tank Design on Performance of a Solar Water Heating System”

**Description**: In the present research work, the effect of hot water storage tank design parameters on the performance of a solar water heating system was studied for better heat energy utilization. This work developed an innovative design approach of hot water storage tank for solar water heating system. An experimental model was investigated using reduction of variables by dimensional analysis technique. Further, optimization of design parameters was performed using Response Surface Methodology (RSM).

**M.Tech. Project**

**Project Title**: Installation & performance of spiral plate heat exchanger

Description: In this project three spiral plate heat exchanger units from Larsen & Toubro Ltd Mumbai were installed in COEP Pune Campus (M.H.). Installation work includes foundation of motors, hot water pipe connection, cold water pipe connection, boiler installation and steam line connection. Performance evaluation of three modules with different flow configuration was determined. In first and second module passing hot water and cold water as a fluid and in third module steam and cold water as a fluid.

**B.E. Project**

**Project Title**: Hospital air conditioning

**Description:** This project was done in Degree Day Engineers, Indore (M.P.). In this project collected detailed information of hospital air conditioning and residential air conditioning from ASHARE handbooks which were available in IIT Mumbai. In normal air conditioning main concern on comfort condition while in hospital air conditioning different sections design according to specific requirement for different patients. The project was done in final year (BE) at SGSITS, INDORE (M.P.)

**ACADEMIC DETAILS:**

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| --- | --- | --- | --- |
| EXAMINATION | BOARD\UNIVERSITY | YEAR | AGGREGATE |
| Ph.D. Mechanical | KBC NMU Jalgaon | April 2022 | Awarded |
| M.Tech. | College of engineering, Pune | 2005 | 7.59 CGPA |
| B.E. Mechanical | SGSITS,Indore M.P. | 2002 | 63.88% |
| 12th | SGHSS, Burhanpur,M.P. | 1997 | 74.22% |
| 10th | SGHSS, Burhanpur,M.P. | 1995 | 71.00% |

**OTHER:**

* Cleared GATE EXAM with an A.I.R of **1082 in 2003.**
* **Research funding Granted:** Innovation and Entrepreneurship Development Center (IEDC) granted Rs 1,00,000/- for project “Solar Water Heating System Using Innovative Flat Plate Collector and Storage Volume” in academic year 2015-16
* Won Second Price of Rs 1,00,00/- for project “Eco-Friendly Energy Efficient Air Conditioning System With Enhanced Cooling Effect” in Elecrama 2014 in Bangalore & 9th Bry Air Nomination Award for same project.

**PERSONAL OUTLOOK:**

A Enthusiastic and Hard Working person with Positive Attitude and an Outstanding Grasping ability. A keen learner with great Adaptability and the ability to work as a Team member.

**PERSONAL DETAILS:**

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| --- | --- | --- |
| Father’s Name | : | Mr Vasatrao |
| Date of Birth | : | 23rd November 1979 |
| Marital Status | : | **Married** |
| Permanent Address | : | Sai Vihar, Raisoni Nagar  Jalgaon M.H.425001 |
| E mail | : | [**mvkulkarni\_23@rediffmail.com**](mailto:mvkulkarni_23@rediffmail.com) **mvkmvk@gmail.com** |
| Hobbies | : | Listening music, playing cricket, football etc. |
| Languages Known | : | English, Hindi, Marathi |

**DECLARATION:**

I consider myself familiar with Mechanical Engineering Aspects. I am also confident of my ability to work in a team.

I hereby declare that all the above information provided by me is true to the best of my knowledge.

Date

Place - Jalgaon **Dr. Mahesh Kulkarni**