

 Email: ivin.369349@2freemail.com

**IVIN**

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| OBJECTIVE | extraordinary blend of designing, leadership and manufacturing industry knowledge. |  |
|  |  |
|  | Creative problem solving and troubleshooting skills complemented by meticulous and |  |
|  | creative details to design, drawings and specifications. |  |

TECHNICAL EXPERIENCES

|  |  |
| --- | --- |
| Duration: March 2016 to till to date |  |
| Designation: Mechanical Design Engineer and Quality control |  |
| Designing• | (Solidworks 2017, Inventor 2017 proficiency) |  |
| • | Create 3D models, prepare drawings for projects |  |
| • | Develop components and products from concept to finished products. |  |
| • | Coordinating design/purchase, shop/assembly team on designed products. |  |
|  | Inspection, testing and evaluation off project sites, preparing on site reports and |  |
|  | possible suggestions or solutions for improvements. |  |
| Concept• | Designing (OCTOPUZ 1.6) |  |
| • | Replicate and test complex mechanical systems |  |
| • | Optimize part-handling operations |  |
| • | Analyze component usage to easily find bottlenecks before the cell is ever built |  |
| Quality• | Visualize the shop floor process from start to finish |  |
| Control |  |
|  | Making sure machined parts are as per machine drawings and satisfies company |  |
| • | quality. |  |
|  | Measuring, testing, evaluating and tabulating data concerning material/products. |  |
| Engineering• | Documentation (Microsoft Office Suit) |  |
|  | Technical writing – plan, develop, organize, write and edit operational procedure, |  |
| • | quick reference guides and manuals. |  |
|  | Create technical report, procedural documentation and user manual. |  |

Duration: February 2015 to February 2016

Designation: Junior HVAC Design Engineer

Assigned responsibilities of defining project specification to ensure quality work that meets customer requirements.

Handled the task of assisting the senior HVAC design engineer in designing and configuring control system

Performed the task of developing initial design documents that contain layouts

Handled responsibilities of developing HVAC system design- Heat load calculations-ventilation systems design- chiller plant design

**Diploma in HVAC Engineering, 2015**

**Inventor 2017, Solid works 2017, Auto CAD 2013, Pro-E,**

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| SOFTWARES |  |  |  | **ANSYS Fluent 12.1., Octopuz 1.6** |  |  |  |  |
| Had hands on Design Software: | . |  |  |  |  |  |
|  | Simulation software: |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  | Course | Institution/University | Grade |  | Passing |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  | M. Tech | Amrita School of | 9.13 |  | 2015 |  |  |  |
|  |  | (Thermal and | Engineering |  |  |  |  |
|  |  | Fluid | Kollam |  |  |  |  |  |  |
|  |  | Engineering) | Vidya Academy of Science |  |  |  |  |  |  |
|  |  | B. Tech. | 7.98 |  | 2013 |  |  |  |
|  |  | and Technology |  |  |  |  |
|  |  | (Mechanical | Affiliated to university of |  |  |  |  |  |  |
|  |  | Engineering) | Calicut | 79% |  | 2009 |  |  |  |
|  |  | Secondary | Education |  |  |  |  |
|  |  | Secondary | Central Board of Secondary | 74% |  | 2007 |  |  |  |
|  |  | School | Education |  |  |  |  |  |  |
|  | Always one among the ‘TOP TEN’ in College |  |  |  |  |  |  |
|  | LinkedIn: https://www.linkedin.com/in/ivin-ignatious-113285137/ |  |  |  |  |

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| PROJECT DETAILS | **MAIN PROJECT: NUMERICAL STUDY OF IMPINGEMENT/EFFUSION COOLING OVER** |  |
|  | **ANNULAR BURNER LINER OF GAS TURBINE COMBUSTOR** |  |
|  | http://proceedings.asmedigitalcollection.asme.org/proceeding.aspx?articleid=2492016 |  |
|  | The cooling of combustor lining of gas turbine, so as to eliminate extreme thermal |  |
|  | stress, is quite complex however important. Impingement/effusion cooling is one |  |
|  | of the most resent methods of cooling the liners. This project aims at performing |  |
|  | numerical study over the surface of chamber liners and investigates the factors |  |
|  | affecting the cooling performance using ANSYS FLUENT and SOLIDWORKS. We |  |
|  |  | **Publishing two research papers)** |  |
|  | have also suggested a new **.** and improved cooling scheme from the results of |  |
|  | parametric study conducted ( |  |
| ECA | Placement training by TIME. |  |
|  |  |
|  | Active member of Mechanical Engineer’s Association. |  |
|  | Member of college badminton team. |  |
|  | Poster and Logo designing |  |
| COMMUNICATION | Understands and can reply in Tamil and Hindi |  |
|  | Good with MS Office Tools for business communication. |  |
| PERSONAL | Place of birth | : Thrissur, Kerala, India |  |
| DETAILS |  |
|  |  |
|  | Area of Interest | : Project Engineering, Design Engineering |  |
| PROFESSIONAL |  |  |  |
| FERENCES | I hereby declare that the information furnished above is true |  |
| DECLARATION |  |
|  | Place: DUBAI | IVIN  |  |
|  | Date: |  |

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