



## Mohamed Shahid

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### Mechanical Engineer

Proven 3 Years expertise in Planning (P6 & SAP) Design & Optimization of Thermal systems, MEP

#### AREAS OF DOMAIN EXPERTISE

- ▶ Thermal System Design
- ▶ Optimization of Thermal Systems
- ▶ Pinch Point Analysis
- ▶ Safety Grade Heat Removal System
- ▶ Sodium to Air Heat Exchanger
- ▶ ANSYS Workbench 14.0
- ▶ CAESER II (Water piping)
- ▶ SAP-PP Key user
- ▶ Production Planning
- ▶ BOM Data Preparation & Analysis
- ▶ Routing Data Preparation & Analysis
- ▶ Work center evaluation (CM01, CM02, CM05, CM07)
- ▶ Lead Time Preparation
- ▶ Coordinator-MEP work for Coating Section.

#### KEY ACADEMIC QUALIFICATION

- ▶ **Master of Technology (M.Tech) Thermal Engineering**  
Cochin University of Science and Technology (CUSAT), Kerala, India.
- ▶ **Bachelor of Engineering (B.E) MECHANICAL**  
NSS College of Engineering, Palakkad, Kerala. Affiliated to Calicut University, Kerala, India.

#### PROFESSIONAL EXPERIENCE



**Franke (WS)**  
**Ras Al Khaimah-UAE**  
*September 2014 to February 2015*  
**Planning Engineer**

Franke is a Manufacturing company engaged in production and fabrication (laser cutting, bending, Welding & final assembly) of steel products of various grade.

#### Duties and Responsibilities:

Carrying out planning activities of production in SAP for prototypes, initial batches and regular products by maintaining the proper lead time for the client.

- ▶ Creation of Production plan according to sales order, in accordance with the lead time and priority.
- ▶ Conformation and Lead time processing for intercompany orders from Europe, Africa and Australia segments.
- ▶ BOM and Routing data preparation and analysis for the products particularly custom fabricated products for special projects and Prototypes.
- ▶ Identify and implement process improvement methods such as cycle time reduction, productivity improvement.
- ▶ Lead time preparation for local orders from GCC region.
- ▶ Work center evaluation using Tcodes in SAP with respect to the released shop orders.
- ▶ Identifying critical materials in production.
- ▶ Coordinating MEP works for Powder coating section in manufacturing plant.
- ▶ Coordinating with various departments for handing over and obtaining final acceptance of products for special projects.

**Fast Reactor Technology Group (FRTG)**  
**Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam. India**

*June 2013 to June 2014*

**Project Associate**

#### Duties and Responsibilities:

Carrying out Design and Optimization study for Sodium to Air heat exchanger (AHX) of Prototype Fast Breeder Reactor (PFBR).

- ▶ Close monitoring of Safety Grade Decay Heat Removal system of PFBR using SADHANA Facility.
- ▶ Design and Analysis of AHX with the specified conditions in PFBR.
- ▶ Optimization of Heat Exchanger parameters for maximum heat removal capacity through AHX.
- ▶ Piping stress analysis for the water side experiments for surge tank evaluation.
- ▶ Pinch Point Analysis for the AHX.



*June 2011 to October 2012*  
**Assistant Engineer-Operations & Planning**

#### **Duties and Responsibilities:**

- ▶ Creation of Production Planning according to sales forecast in SAP.
- ▶ BOM & Routing data preparation in SAP.
- ▶ Sample costing of prototypes.
- ▶ Coordinator-MEP works for Hot and Cool machine. Installation of fire fighting system.

#### **Projects handled**

- ▶ Project: Optimization of Sodium to Air Heat Exchanger of Prototype Fast Breeder Reactor using SADHANA Facility.  
Project supervision by: FRTG, IGCAR, India.
- ▶ Project: Installation on Toe plate cooling mechanism in TK-996 PVC molding machine of Tienkang Inc. to remove the bubble formation during molding.  
Client: Dimesco India Pvt Ltd, India.  
Technological Partner: VKC & Tienkang Inc., Taiwan.
- ▶ Project: Installation of Hot and Cool machine for TPR molding equipped with oil heater and cooling tower.  
Client: Dimesco India Pvt Ltd, India.  
Technological Partner: VKC & Thermax Ltd, India.

#### **Achievements**

- ▶ Second Rank holder in Master of Technology in Thermal Engineering from Cochin University of Science and Technology.
- ▶ Letter of Appreciation from Tienkang Inc. for the study on Toe plate cooling mechanism for removing Bubble formation during Molding.
- ▶ Member of college volley ball team and secured second position in C zone volley ball tournament of University of Calicut in 2009.

#### **PROFESSIONAL TRAINING**

- ▶ Trained in ANSYS Workbench14.0
- ▶ Trained in Primavera P6.
- ▶ Attended training on HVAC/MEP for a duration of 40 days with onsite illustration.
- ▶ Implant Training at Integral Coach factory-Indian Railways, Malabar Cements and Koso control valves.
- ▶ Trained in Auto Cad, C programming, Origin, Tecplot, Latex & MATLAB.
- ▶ Trained in Microsoft Word, Excel, PowerPoint, Outlook, etc.

#### **PERSONAL DOSSIER**

Date of Birth	: 7 August 1988
Marital status	: Single
Nationality	: Indian
Languages known	: English, Malayalam, Hindi

#### **References**

Mr. Ismael Bacani  
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