

THIYAGARAJAN GOWTHAMAN

166, Kamaraj nagar colony, Ammapet, Salem-636014

Email: thiyagu.rajn258@gmail.com. Mobile no: 9488216148

Career Objective:

Desire to work in reputed firm where I can apply my skills for the enhancement of technology and optimum profitability of the organization which are leads the company to growth motivation.

Professional experience:

- Worked as Engineer in 45ton capacity of EAF with EBT type in steel melting shop at production dept. In SBQ Steels Ltd., since 3rd June 2010. to may 2013.
- Worked as engineer in july 2013 to october2013. Odissa
- Worked as engineer in TCE JAMSHEDPUR November 2013 to june 2014.

organization performance:

Manufacturing of billets.(120mm*120mm)

Career Responsibilities:

- Control **phosphorus percentage** with oxidation slag, DRI in mild steel metal bath Electric arc furnace of basicity=2.
- Underwent an intensive induction training program for three months which included the on job training program with plant visits and trainings throughout the plant.
- Increasing Fe yield (82%), increase heat, control refractory consumption with foamy slag by modern CO-Jet nozzles of 3no. lancers with o₂ of flow rate 1575Nm³/hr.
- Trained in the field of project implementation, erection and commissioning of SMS dept.
- Bring hot metal from MBF section to SMS section, to reduce the power consumption (Si+o₂=sio₂ exothermic reaction) and worked as **role** melter in EAF. Bringing Solid scraps to above the same.
- Operating the electrode control system; to operate carbon injector for CO gas formation.
- Obtaining desired chemistry of grade steels. Control the manpower.
- Purchase of raw material, controlling **Shulphur percentage** by reducing slag, basicity=2, in Ladle refining furnace. Calculation of silicon percentage of hot metal and give to managers.

Educational qualification:

Pursued Bachelors degree in **Metallurgical Engineering** (Dept. accredited by NBA) in **Government College of Engineering** (AICTE approved), Salem which is affiliated to **Anna University Chennai** during 2006-2010 with an aggregate of 71%.

Technical training summary:

- In-plant training undergone in **HI-Tech** Mineral Industries Covai Private Limited, Salem.
-

MAGNA Electro Castings Private Ltd, Coimbatore.

- Secured First prize in practical test of "Society for Advanced Metallurgical Engineers"(SFAME) technical symposium.
- Trained in Hfcdv, biomaterials pld workshops on **golden jubilee amalgam 09** organized by metallurgical engg student associations at IITM.
- Trained in **AutoCAD** software of Mechanical section in valuable **CADD** Centre.
- Actively volunteered in **ThermocalC software** training held in **IITB**.
- Trained in the recent development in welding process for manufacturing industries sponsored by **tecquip-phase ii** organized by dept of production engineering NIT Trichy Tamilnadu.
- referred as Daimler employee on contract basis in R&D Department designated Analyzing metallurgical microstrure of cast iron, cold rolled steel and other nonferrous

Co curricular activities:

- Trained in **material testing** (hardness, compression, tensile test), analyzing the behavior of molding sand.
- Trained in melding dept and giving compositions details to **QA** dept.in magna electro ltd.
- Poster presentation done in **GOLDEN JUBLEE AMALGAM 09** in prestigious Indian Institute of Technology Madras.
- Member in technical selection team in Government College of Engineering.
- Participated in National Conference on **Composite'09** organized by by society for metallurgy. engineers organized by dept of metallurgical and materials engineering at **IIT-Kharagpur**
- Participated in **Teachers Welfare development programme** sponsored by TEQIP-2..

Ex curricular activities:

- Trained in both British English and Tamil typewriting organize by dept of technical education cum govt technical examinations held in commerce subjects with distinction
- Participated in student rally west zone in salem.
- Trained in bachelor of arts in Hindi language with first class organized by Dakshina Bharat Hindi Prachar Sabha In 2006.
- Actively participated in DAYSCO FEST 08 for inters college play competition.Participated in bagvadgita class organized by chinmaya mission in 06.
- Secured 1st Prize in all India telurgu devangar social welfare council during academic session.

Industrial project work:

Main project done with industrial exposure in the area of water and mathematica modeling using different Tundish geometries.

Name of organization: VSL steel plant, Karnataka. India

Plant description: The plant is first named as bhadravadhi steels limited and takeover by vishvewaraiya group Karnataka.

Project expertise: plant is going on vertical integration process. During my assignments. The Project is followed in iit Kanpur of all over the India and Never seen in any other steel plants

such SAIL, Ispat, Jindal saw, and organizations such as IIT Kharagpur and Kanpur, IIT Madras, Indian institute of science. BANGALORE.

- Result:**
1. To obtain kinetic and kinematic viscosity, turbulence, velocity of molten Metal in bath & while pouring.
 2. To predict the basic furnace construction at any required dimension.
 3. To predict the plant to vertical integration.
 4. Analysis the nozzle clorking in submerged entry nozzle of CCM.

Strengths: Dignity, Innovative, Teamwork

PERSONAL DETAILS:

Date of Birth : 27.12.1988.
Mariel status : Single
Nationality : Indian
Linguistic skill : Tamil, English, Hindi (to speak, to write and to read)
Telugu (to speak)

DECLARATION

I declare that all the details furnished above are genuine to the best of my knowledge and belief

Place:

Yours sincerely,

Date:

(THIYAGARAJAN.G)
