

**SANJOY MALLICK**

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# CAREER OBJECTIVE

To build up career in a renowned organization where my technical skills, executive potentialities and profound analytical ability can be utilized effectively and where I can contribute to company’s welfare by applying my ever-keened and gathered knowledge.

# JOB EXPERIENCES

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| --- | --- | --- | --- | --- |
| **Organization** | **Deputation** | **Department** | **Duration** | **Responsibilities** |
| Sundarban Industrial Complex Ltd. (A sister concern of Bashundhara Group)  A LPG cylinder manufacturing factory | Quality Control Engineer | Quality Control & Assurance | May 2017 to Continuing | Ensure zero defect in every product throughout the shift; Quality Audit Report; Root Cause Analysis; Prepare and Implement SOP for every processes; Certification of new or change of Material and Machinery; Gauge Calibration and Maintenance plan; Customer Complains review and take action to minimize the complains; Quality improvement ideas; Non-conformance reporting; Daily and Monthly reports; HSE system Management; PDCA implementation; 5s System build up |
| Samah Razor Blades Industries Ltd. (A sister concern of GMG Group) | Assistant Manager | Production | May 2015 to April 2017 | Planning and organizing production schedules to achieve monthly target; Developing SOP AM checklist, quality standards etc.; Determine the resources required (manpower, materials, machines etc.); Monitor and ensure that product meets quality standards in every section; Inspecting production process and implement improvements (KAIZEN); Monitoring and reducing wastage amount in the process; Participating in different R&D projects; Drawing machine parts and layouts etc. (2D, 3D); Ensure that safety guidelines are followed, Evaluate performance of the worker; Making production reports and giving report to upper management; 5s System build up |

# SPECIAL EXPERIENCES

Part time CAD & CAM operator at BLC engineering workshop. Making 3D model from a real object by using SOLIDWORKS and then make a mold by using MasterCAM and CNC Milling (HAAS) machine.

# EDUCATIONAL QUALIFICATION

|  |  |  |  |
| --- | --- | --- | --- |
| **Examination** | **Institution** | **Year of passing** | **Result** |
| M.Sc. in Materials & Metallurgical Engineering (Part Time) | Bangladesh University of Engineering and Technology (BUET) | Contd. | CGPA-3.17  (out of 4.00) |
| B.Sc. in Materials & Metallurgical Engineering | Bangladesh University of Engineering and Technology (BUET) | 2013 | CGPA-3.00  (out of 4.00) |
| Higher Secondary Certificate (HSC) | Dhaka College | 2006 | GPA-5.00  (out of 5.00) |
| Secondary School Certificate (SSC) | Dhaka Collegiate School | 2004 | GPA-5.00  (out of 5.00) |

# RESEARCH PROJECTS

**Postgraduate thesis:** “Effect of Nickel Addition on the Properties of Zinc-Based Solder Alloys”

**Undergraduate thesis:** “Effect of Current Supply on the Wear Properties of TIG Modified Cast Iron”

**Undergraduate projects:**

* Failure Analysis of High Pressure Natural Gas Transmission Pipeline
* Design of a welding rod manufacturing industry
* Design of casting mold and gating system for local foundry industries

# MAJOR THEORETICAL COURSES WERE TAKEN AT UNDERGRADUATE LEVEL

* Foundry engineering
* Physical metallurgy of steel and heat treatment
* Mechanical drawings
* Materials characterization
* Industrial metal working process
* Corrosion and degradation of materials
* Metal joining technology
* Alloys and materials Selection
* Refractories and furnaces
* Ceramics and glass Engineering
* Polymers and composites
* Phase diagrams
* Powder metallurgy
* Crystal defects deformation and fracture
* Surface engineering of material

# LAB EXPERIENCES

* Various materials characterizing and analytical techniques such as  
  SEM (equipped with EDS, FIB), TGA, DTA, XRD, XRF, FTIRS, OES, Impedance Analyzer etc.
* Machine shop experiences   
    
  (Automatic CNC m/c, lathe m/c, shaper m/c etc.)
* Materials Testing Lab experiences (UTM, Vickers, RC hardness tests, Fatigue tests, Tribological tests, High temperature furnaces, etc.)
* Foundry shop experiences  
  (Various types of melting and casting practices)
* Metallography
* Surface treatment lab experiences  
  (Electroplating, Chemical plating, Diffusion   
  processes, CVD, PVD)
* Welding shop experiences  
    
  (Electric arc, Gas, TIG, Brazing etc.

# LANGUAGE PROFICIENCY

**English:**  Moderately efficient in reading, writing, and speaking

**Bengali:**  Native language as well as excellent in reading, writing, and speaking

**Japanese:** Japanese Language proficiency Test (JLPT) N5 passed. Total got 109 marks out of 180

# COMPUTER SKILLS

**Modeling & Simulations Software:** AutoCAD, SolidWorks, MasterCAM, MATLAB, Visual basic, C++ etc.

**Audio-Visual Editing Software:** ImageJ, Photoshop, Illustrator, After Effects etc.

**Office Software:** MS Word, MS Excel, MS PowerPoint etc.

# ACADEMIC TRAININGS & VISITS

**Industrial trainings:**

*1.* *Kabir Steel Re-rolling Mills Limited (KSRM), Bangladesh*

*2.* *Bengal Plastic Industries Limited; Bengal Polymer Wares Limited; Bengal Foams Limited*

**Industrial Visits:**

* Magnum Steel (re-rolling mill)
* Conforce Ltd. (refractories and bricks manufacturer)
* Nasir Glass Industries Limited
* Bangladesh Atomic Energy Commission
* Bengal Glass Works Limited
* Milner’s Pumps Limited
* National Tubes Limited
* BSRM Ltd.

**EXTRA-CURRICULAR ACTIVITIES**

**Working Experience with Several Non-profit Organizations and Others:**

*1. Achieved University Technical Scholarship*

*2. Champion in “Inter Batch Football Tournament” in 2010 in BUET.*

*3. Organized “MME DAY 2009”, a departmental annual festival.*

*4.* *2006-present: Member, Students Association of Materials & Metallurgical Engineering, BUET, Dhaka.*

*5. 2006-present: Member, BADHON (a self blood donating organization)*

**PERSONAL DETAILS**

**Name: :** Sanjoy Mallick **Nationality: :** Bangladeshi

**Father’s name: :** Mr.Ratan Mallick **Religion: :** Hindu

**Mother’s name: :** Mrs.Elachi Mallick **Marital status: :** Unmarried

**Date of birth: :** 8 Oct, 1989

**CONTACT & ADDRESS**

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# REFERENCES

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# DECLARATION

I, Sanjoy Mallick, hereby declare that the above furnished information is true to the best of my knowledge and belief.

(Sanjoy Mallick)