



# MOYAJJAM HAQUE JOGANTOR

## CONTACT

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## SUMMARY

Technically sound and R&D-focused Diploma in Ceramic Engineering student with comprehensive knowledge of modern tile manufacturing technologies including Double Charge, PGVT, TP, and Homogeneous tiles. Hands-on experience in developing and testing specialized glazes such as Sugar, Soluble Salt, and Color Glazes. Proven expertise in Laboratory Testing (XRF, MOR), Kiln Operations, and Raw Material Analysis. Fluent in English and Hindi, seeking a challenging role in Production or R&D where technical versatility meets quality innovation.

## OBJECTIVE

To secure a challenging position as a Sub-Assistant Engineer or Production Supervisor in the ceramic industry. Aiming to leverage my diverse internship experience in Tiles (PGVT/DC) and Sanitary Ware, along with advanced skills in XRF Lab Testing, Kiln Operations, and Glaze Formulation to contribute to production efficiency and quality standards.

## PROFESSIONAL EXPERIENCE

### INTERN CERAMIC ENGINEER

Solar Ceramics, Kewa Natun Bazar, Sreepur, Gazipur | 1 October 2025 – 30 October 2025

- **Casting:** Gained expertise in Slip Casting and Battery Casting for complex sanitary shapes.
- **Glazing:** Supervised Robotic Spray Glazing to ensure uniform thickness and surface finish.
- **Inspection:** Conducted rigorous quality checks on green ware and finished ware.

### INTERN CERAMIC ENGINEER

DBL Ceramics, Dhanua, Sreepur, Gazipur | 1 November 2025 – 31 November 2025

- **Press Operation:** Monitored Hydraulic Press operations for Technical Porcelain (TP) and Double Charge (DC) tiles.
- **Glaze Line:** Supervised the application of Sugar Glaze and Soluble Salt prints on the conveyor line.
- **Quality Control:** Led QC team in sorting tiles based on surface defects, shade consistency, and planar calibration.
- **Production Flow:** Gained specialized manufacturing knowledge of PGVT tiles and decorated tile production.

### INTERN CERAMIC ENGINEER

Fresh Ceramics Limited, Sonargaon, Narayanganj | 1 October 2025 – 31 October 2025

- **Body Prep & R&D:** Ensuring proper Granule size distribution and moisture content during body preparation.
- **Problem Solving:** Identifying root causes of cracking and lamination in green tiles and suggesting corrective actions.
- **Glaze Development:** Assisting in the formulation of Color Glazes and body recipes for premium tiles.
- **Lab Testing:** Conducting rigorous quality tests on raw materials utilizing advanced laboratory equipment.
- **Kiln Management:** Monitoring firing curves in the Tunnel Kiln to ensure optimal strength for Homogeneous and Parking tiles.

## EDUCATION

### SECONDARY SCHOOL CERTIFICATE

MONOHARDI GOVERNMENT MODEL PILOT HIGH SCHOOL,  
Monohardi, Narsingdi, Bangladesh

Jan 2016 – December  
2021

- Studied General Mechanics under the Vocational Department.



Completed foundational knowledge in Mechanical Engineering and Welding during classes Nine and Ten.  
Completed classes Six to Eight in the General stream before entering the Vocational program.

## DIPLOMA IN CERAMIC ENGINEERING

BANGLADESH INSTITUTE OF GLASS AND CERAMIC, 95 Shaheed Tajuddin  
Ahmed Ave, Dhaka 1208

January 2021 -  
present

Comprehensive Laboratory Testing & Product Development

- Advanced Equipment: Successfully operated XRF Machine for chemical analysis (Oxide percentage checking).
- Product Prototypes: Fabricated prototypes of Bioceramics (Artificial Teeth/Bone), Refractory Bricks (High Silica, Fire Bricks), and Electrical Insulators.
- Testing Skills: Proficient in determining Viscosity, Density, Residue, Surface Abrasion, and Thermal Shock Resistance.
- Mold & Model: Experienced in making molds/models and conducting firing trials in campus Kilns.

## SKILLS

Production Technology: Tiles Manufacturing: Double Charge (DC), PGVT, Homogeneous, Technical Porcelain (TP), Parking & Decorated Tiles. Machinery Operation: Hydraulic Press Management, Digital Printing & Glaze Line Operation, Tunnel & Roller Kiln Firing. Sanitary Ware: Slip Casting, Battery Casting, High-Pressure Casting Concepts, Robotic Spray Glazing. Laboratory & Quality Control (QC): Testing Equipment: XRF Machine Operation, MOR Tester, Thermal Expansion Meter, Autoclave, Whiteness & Glossiness Meter. Material Analysis: Physical & Chemical Analysis of Clay, Feldspar, Quartz; Viscosity, Density & Residue Checking. Product Quality: Shade Sorting, Surface Defect Analysis (Pinholes, Cracks, Lamination), Planar & Sizing Calibration. Product Development (R&D): Glaze Formulation: Expertise in Sugar Glaze, Soluble Salt, Engobe, and Color Glaze preparation. Body Preparation: Granule Size Distribution, Moisture Control, and new Recipe Development. Specialized Knowledge: Bioceramics (Dental/Bone), Refractories (Fire Bricks, High Silica), & Electrical Insulators. Software & Soft Skills: Computer: MS Office (Excel, Word, PowerPoint), AutoCAD (Basic/2D). Professional: Technical Marketing (Hindi/English), Root Cause Analysis, Team Leadership, Production Reporting.

## LANGUAGES

Hindi | Bangla | English

## REFERENCES

MD SHAHIDUZZAMAN KHAN, instructor  
department Head, Bangladesh institute of glass and ceramic | +8801819744826