

M. JEYAVEL

BIM MODELER - PLUMBING & FIRE FIGHTING

CONTACT

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EDUCATION

B.E - MECHANICAL ENGINEERING

SMK Fomra Institute Of Technology,
CGPA : 7.52 / 10,
2017-2021.

TECHNICAL SKILLS

1. REVIT,
 2. NAVIS,
 3. REVIT DYNAMO ,
 4. AUTOCAD (intermediate).
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KNOWN ADD-IN

1. REVIT PYTHON SHELL,
 2. REVIT DI ROOT,
 3. REVIT INTEROPERABILITY,
 4. REVIT PRO SHEETS,
 5. NAVIS CODIGEM.
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SPECIAL SKILLS

1. REVIT DYNAMO SCRIPT CREATION,
2. REVIT FAMILY CREATION,
3. REVIT MODEL HEALTH REPORT HANDLING,
4. REVIT MODEL FINAL CLEANING ,
5. NAVIS CLASH DETECTION & CLASH FREE,
6. MATRIX CREATION - (eg. CLASH MATRIX, HEALTH REPORT MATRIX, NWC MATRIX,etc...).

WORK EXPERIENCE

PRISM CONSULTING ENGINEERS - (29/02/2024 - TILL DATE)

POSITION : BIM Modeler

WORKING PROJECT :

- NOIDA INTERNATIONAL AIRPORT - JEWAR,
- HUBALI AIRPORT - KARNATAKA.

Roles and Responsibilities:

- Designed and modeled complex **Plumbing** and **Fire Protection** systems using Autodesk **Revit** and **BIM 360** for commercial and residential projects.
- Modeled **Water supply**, **Drainage**, **Vent**, **Rain water**, **Pump Rooms**, and **Fire suppression** systems including piping, **Sprinklers**, and equipment layouts.
- Created and organized construction **Drawing sheets** for **Plumbing** and **Firefighting** systems using Autodesk Revit, adhering to project-specific standards and LOD requirements.
- Generated **Floor plans**, **Sections**, **Isometric views**, **Detail View**, **Legends**, and **Equipment schedules** with accurate **Annotations** and **Dimensions**.
- Handled drawing submissions including **PDF/DWG** exports and title block management, ensuring timely delivery through platforms like **BIM 360**.
- Performed **Clash Detection** and **Coordination** using **Revit** and **Navisworks Manage** to identify and resolve spatial conflicts between **Plumbing**, **Firefighting**, **HVAC**, **Electrical** and **Structural** systems.
- Created **Scripts** for **Views Renaming**, **Element Filtering** and **Model Cleanup**, reducing manual effort and minimizing errors.
- Developed detailed **Clash Matrix** to systematically track, categorize, and prioritize clash issues across **Plumbing**, **Firefighting**, and other **MEP** disciplines using **Navisworks** and **Revit**.
- Expert in analyzing and enhancing the **Health Report** of **MEP models**, ensuring **Higher model quality**, compliance, and reliability across plumbing, firefighting, HVAC, and electrical systems.
- Created **Parametric** and **Scalable Families** to enhance model accuracy and flexibility for various project requirements.