

ROLL NUMBER: P25702105

Prarthana Subhash Pawar

Female

DOB

02-Aug-2003

TECHNICAL SKILLS

- AutoCAD
- Excel
- Power Point Presentation

PERMANENT ADDRESS

Punai Chaitanya Wadi Ward Number
 16 Buldhana
 City: Buldhana
 State: Maharashtra
 Pincode: 443001

LANGUAGE

- English
- Hindi
- Marathi

SUMMARY OF QUALIFICATION

Course / Programme	Board / University Name	CGPA/ (%)	Passing Year
MBA-REUIM	NICMAR University, Pune	7.55	2027
Graduation	DR.D.Y.PATIL INSTITUTE OF TECHNOLOGY PIMPRI PUNE 18	66.12	2025-Jul
Diploma	MGM POLYTECHNIC AURANGABAD	82.11	2022-Jun
High School	BULDHANA	59.6	2019-May

INTERNSHIP / PROFESSIONAL TRAINING (Total Duration: 4 Weeks)
BUILDER ASSOCIATION OF INDIA

14-Dec-2023 - 13-Jan-2024

4 Weeks
PROFILE: INTER
1. Site Execution Work in RCC of Commercial Building

During the internship, I was actively involved in on-site execution activities related to Reinforced Cement Concrete (RCC) construction for a commercial building. This included:

â—• Supervising daily site activities such as formwork installation, reinforcement placement, and concreting.

Ensuring proper alignment, level, and dimensions as per design specifications.

â—• Coordinating with contractors, laborers, and engineers to maintain workflow efficiency.

â—• Observing quality control practices and safety measures followed on site.

2. Study of Architectural and Structural Drawings

â—• I developed the ability to read and interpret both architectural and -- structural drawings:

Architectural Drawings:

â—• Learned layout planning, room dimensions, elevations, and sections.

Understood spatial arrangements, aesthetics, and functional design.

Structural Drawings:

â—• Studied structural components like beams, columns, slabs, and footings.

Interpreted reinforcement details, bar bending schedules (BBS), and load transfer mechanisms.

â—• Gained knowledge of how design translates into actual construction.

3. Steel Detailing in Columns and Slabs

A major part of my learning involved reinforcement detailing:

â—• Columns:

Studied longitudinal bars and lateral ties (stirrups).

Understood spacing, diameter, and anchorage of reinforcement.

â—• Learned about lap length and proper placement techniques.

Slabs:

â—• Observed main reinforcement and distribution steel placement.

Understood cover requirements and spacing between bars.

Learned how reinforcement resists bending and distributes loads.

4. Post-Tension (PT) Slab System

I gained exposure to Post-Tensioned (PT) slab technology, which is widely used in commercial buildings:

Learned how tendons (high-strength steel cables) are placed within the slab before concreting.

â—• After concrete gains strength, tendons are stressed using hydraulic jacks, applying pressure.

â—• This process introduces compressive forces in the slab, improving its strength and performance.

Benefits observed:

Reduced slab thickness

Longer spans without beams

Better crack resistance and durability

5. Concreting Procedure and Grades of Concrete

â—• I studied the complete concreting process:

Preparation:

Checking formwork, reinforcement, and cleanliness before pouring concrete.

→•Concrete Grades:

Understood different grades like M20, M25, etc., based on strength requirements.

→•Learned mix proportions and their applications in different structural elements.

→•Pouring & Compaction:

Observed proper placement of concrete.

→•Use of vibrators to remove air voids and ensure compaction.

→•Finishing & Curing:

Surface finishing techniques for slabs.

Importance of curing (water curing) to achieve required strength and durab