

Ravinder Gupta

Project Coordinator - 4D/5D BIM, VDC & Digital Project Delivery

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Young Professional with a strong interest in Digital Transformation in Construction Project Management and Building Information Modelling (BIM). Capable of performing well Under Pressure and in High-Performance Environments. Familiar with Building Information Management & Optimization, Virtual Design Construction, Value proposition & Optioneering in Construction Projects and Public Works Construction processes willing to contribute to the development of Environmentally Friendly and Cost-Effective Infrastructure Solutions.

WORK EXPERIENCE

GKC Consultants OPC Private Limited – Ramesh Nagar, Delhi

GKC is Project Management Organisation with expertise in Training, Consulting, and Implementation support along with 3D/4D/5D BIM Software and Project Management Services.

Project Coordinator – 4D/5D BIM, VDC & Digital Project Delivery

Dec 2022 – Present

- Responsible for Implementation of 4D & 5D Building Information Modelling at site.
- Support the Digitalization and Project controls team in understanding the usage of deliverables from BIM tools.
- Involved with clients from Request for proposal (RFP) to the Implementation stage.
- Co-ordination between the Design, Project Planning, and Project Controls teams for successful implementation of 4D & 5D BIM in the project which includes preparation of 4D & 5D models, generating monthly Plan Vs Actual video reports, Look Ahead reports and 4D & 5D simulation.
- Process consulting and advisory for the Project Digitization Initiatives.
- Defined process for Digital Project Delivery. Prepared workflows for 4D & 5D BIM Data production. Sited common standards and processes. Assisted client in preparation of workflow to support Employer's Information Requirements (EIR) delivery.
- Prepared quality review and assurance process.

Digital Transformation Consultant

July 2022 – Dec 2022

- Responsible for visiting the professionals in Corporate, Architect Firms, and PMCs to brief them about the software solutions and services and identify customers' key business concerns.
- Performing technical presentations to clients; explaining technical capabilities & business benefits of solutions to the customer from engineering level to senior executives.
- Planning and preparing pitches & proposals, participating in pricing and work order negotiations.
- Intercommunicate with C-suite executives including Chairman, Directors, CEO, CFO & COO in prospective organizations to ascertain requirements, deliver need-based software solutions and services, and cultivate relationships with them to secure repeat business.
- Organizing specific campaigns to create & maintain high levels of customer interaction; propelling customer service levels by anticipating customer future requirements, thereby ensuring a positive customer experience.

4D BIM / Techno Commercial Consultant

April 2022 – July 2022

- Prepared case studies for BIM Implementation.
- Responsible to do a technical presentation for client meetings.
- Helped sales team with strategic planning & lead generation activities.
- Committed to Bentley Synchro 4D training.
- Committed to Primavera P6 training.
- Committed to Microsoft Project training.
- Committed to ISETIA (BIM, CDE, CPM) training.
- Accomplish Project Management-related pieces of training.

Efficiently Global Solutions Private Limited - Hyderabad, Telangana
Efficiently is a software development and service company specializing in the construction industry, providing services to clients across the USA.

Estimator

November 2021 – April 2022

- Committed soft skill development program and assessment for self-development and career advancement. Completed the US Construction Basics learning pathways and weekly assessments as assigned by the training manager.
- Developed knowledge of various aspects of US construction basics including foundations, house framing, roofing, window, and door frames, MEP, HAVC, insulation, floor coverings, interior finishing, brick and stone, exterior finishing, cabinetry, and residential and floor plan reading.
- Bluebeam Revu software training was committed, and daily assessments were completed as assigned by the team lead. Performed roofing quantity take-offs on Bluebeam Revu software under the supervision of team leaders, as well as daily assessments on projects as assigned.
- Developed knowledge of performing Roof Estimates for various roofing material scopes. Prepared detailed roofing estimates for single-family and multi-family residents. Developed understanding of edge trims, underlayment, transitions, flashing, weatherproofing, roofing types, and other roofing elements.
- Prepared detailed plumbing estimations for high-end, single-family residents, and multifamily residents. Committed plumbing estimation and identification of plumbing fixtures training as per US standards.
- Worked closely with the product development team for SaaS product, developed for Quantity Surveying. Documented bugs and offered suggestions on how to improve the product.

Think Tank (a Non-Profit Organization) – New Delhi, Delhi

This Think Tank was resolved in its mission to educate students & young adults about the importance of the Right Education, To build the most organized & supportive network of students and young adults.

Content Strategy, Operations & Management

Jan 2019 – Jul 2021

- Being part of the Founding Team, I was Responsible for Organize Student Meetups, Conceptualizing/Launching other Organizational Verticals dedicated to Art, Travel, Student Self Help Groups, Reading Clubs & Social Work, and Planning & Managing Fundraising Campaigns.
- Work together with the Founding Team to develop Quarterly Strategies for Organizational Growth that consider Social Media and Evolution. Assist with the Financial Estimates and Assessments of the current Programs and Policies, Ascertain that every program endeavour adheres to the Think Tank's Culture and Fundamental Principles. Give those under my charge direction so they can take more initiative in their jobs. Manage the volunteers and give them the most recent training in Leadership and Technical skills so they can better support the objectives of the organization and their own Future Development.
- To generate Organic Reach, I took part in Creating and Implementing Social Media Content Calendars that were in line with the overall content strategy of the various channels of the Organizational Verticals. Produced several Awareness Videos on Current and Historical Concerns in addition to helping with Documentary Filming on the ground.
- Enabled a group of 24+ Content Volunteers and Social Media Management Volunteers on the Fundamentals of Poster Design (Effective use of Graphics, Colour, and Fonts) on Tools for Creating Posts like Adobe Spark Posts, Canva, etc., As well as the Fundamentals of Social Media Management (Scheduling Posts, Publishing Blogs, Premier Videos, Developing a Content Strategy, Interacting with Users, Extending Reach, and Monitoring the Performance of their Local Chapter's Account).

Industry Event Representation

- **Exhibitor:** CII EXCON 2022, Bangalore International Exhibition Centre – South Asia's Largest and Comprehensive Construction Equipment & Construction Technology Exhibition.
- **Co-Presenter:** Construction Project Management with BIM at PMI North India Chapter – Construction Forum
- **VIP Delegate:** 3rd Rail and Metro Technology Conclave 2022 – Rail Analysis
- **Delegate:** GeoSmart Infrastructure 2022 – Digital Empowerment of Transport Infrastructure Development
- **Delegate:** Construction Technology Summit 2022

Functional Skills

- Collaborate with various individuals at different levels and teams of an organization.
- Construction site visits and occasional inspection services
- Use relevant software (e.g., Bluebeam, Autodesk Revit, Autodesk Navisworks, Bentley Synchro4D, Microsoft Excel, Microsoft Project & Oracle Primavera P6) in course of 4D Planning.
- Preparation of standard documentation – Reports, Specifications, Letters, 4D Submissions, etc.
- Collaborate with the Project Management team for the project delivery as per the timeline.
- 4D planning experience and background with consultation on the airport expansion project.
- Previous involvement in Airport Expansion Project 4D planning for the construction of Runways/Taxiways/Aprons including the new Terminal Building, Air Traffic Control Tower, Fire Fighting Stations, etc.

PROJECT CONTRIBUTION

Noida International Airport Project

Jewar, Uttar Pradesh

Dec 2022 - Present

Project – Phase 1 of Noida International Greenfield Airport

EPC Contractor – Tata Projects

Client – YIAPL, NIAL

Project Value – 5187 CR

Role – 4D & 5D BIM Consultant

- Installation of applications, setup and configure 4D BIM and 5D BIM platform (Bentley Synchro 4D Pro) in recommended desktops.
- Configuration of necessary plugins for export to Autodesk platforms like Revit & Navisworks.
- Work alongside the Design, Project Planning, and Project Controls team to develop project-specific 4D and 5D BIM Models by linking 3D models with Project Schedule and Costs.
- Coordinated with the project team to make BIM execution strategies and plans.
- Responsible for software-based reporting on Tracking/Monitoring of the project. Providing collaborative Synchro 4D&5D models to the Project Team monthly.
- Coordinated with Design team/Consultants for getting required input on 3D BIM Models for 4D & 5D BIM.
- Generated 4D content from BIM models to assist Project teams, Consultants, Contractors & Site Engineers in understanding the Design, Execution Planning/Schedule, and Construction intent.
- Responsible for overall coordination and success of 4D and 5D BIM in the project including performing various What-if scenarios. Collection of inputs with BIM and Planning internal as well as external stakeholders.
- Defined process as per the EIR to automate the entire 3D model and Primavera P6 schedule linking process and monthly update of schedule in Synchro 4D Pro.
- Coordinated with the planning team and understand Project Schedule & WBS. Strategized and executed the 3D BIM model splitting in Autodesk Revit in line with the construction planning team to enable 4D and 5D BIM.
- Assigned 4D & 5D parameters to 3D BIM model elements (in line with schedule) and Primavera P6 schedule to link 3D BIM model and Primavera P6 in Synchro 4D Pro.
- Created 4D animation for logistics and construction sequencing.
- Assist to identify project risks using 4D & 5D BIM models and support performing potential mitigation plans.
- Ensure progress tracking, Plan vs Actual, and Delay capturing through Synchro 4D Pro to produce weekly and monthly reports for review meetings.

Gaya Railway Station Major Upgradation Project (POC)

Gaya, Bihar

Nov 2022

- Used relevant software (Bluebeam, Revit, Primavera & Synchro4D) to a conceptual 3D/4D model.
- Performed construction sequencing by scheduling activities as per the construction path provided in the Primavera schedule and linked them to conceptual 3D models.
- Created conceptual 4D-BIM model & VDC simulations of the construction plan.

Fundamentals Primavera Training – P6 Professional

Oman (Online mode)

Oct 2022

Client – IITC (OHI group of company)

Duration – 3 Days (20 Hrs)

Role – Co-Trainer

Consultation on Primavera P6 Professional and Schedule Preparation

Gurugram, Haryana

Aug 2022

Project - IKEA GMP Package - 5 (*Pre-Bid*)

Client - Johnson Lifts and Escalators

Role - Planning Consultant (Primavera P6 Professional)

Scope - Installation works execution scheduling and P6 program development for 15 FNOC Lifts, 30 Lifts, and 68 Escalators.

- Examined RFP Documents and defined the scope of work.
- Knowledge transfer about the RFP Document, Project Timeline, and Milestones was performed for the client organization to gain a better understanding of the project and WBS development.
- Prepared and configured an activities schedule in Primavera P6 Professional in collaboration with the Project Manager and Planner.
- Worked alongside Project Managers & Team to develop project-specific schedules.
- Visited the project site and participated in high-level meetings with project owners, consultants, contractors, and other key stakeholders to collect updated data and update Primavera P6.
- Analysed business requirements and objectives with project team members to develop customer-specific solutions.

Delhi International Airport Expansion Project

New Delhi

May 2022 – Dec 2022

Project – Delhi International Airport Phase 3A Expansion Works

EPC Contractor – Larsen & Toubro

Client – DIAL, GMR

Project Value – 8923 CR

Role – 4D BIM Consultant (Office Support)

- Execute project 4D BIM deliverables and manage their effective delivery in accordance with the Project Timeline and Execution Plan.
- Responsible for providing office support for 4D BIM Planning, and BIM Deliverables, managing the effective delivery of submissions in accordance with mutually agreed dates.
- Collaborated in the conduction of Advance work packing.
- Visiting the site office to provide support for creating submission reports.
- Providing technical support regarding software-related queries.

INTERNSHIP EXPERIENCE

Intech Infra Technologies Private Limited – Gurugram, Haryana

Intech is a firm specializing in offering BIM, QS, SED, GIS, and IT services since 2002 to the AECO, Utilities, and Infrastructure industries.

Trainee Engineer

Feb 2020 – Mar 2020

- Oversaw the compilation and verification of the Structure Design Basis Report.
- Created detailed design based on the schematic design under the supervision of a senior engineer.
- Conducted structure analysis with the help of the software "STAAD Pro Connect."
- Provided technical aid with IS codes and completed daily assessments assigned by senior engineers.
- Completed job-related training, for career advancement and self-development.
- Conducted the complete case study of BIM and CDE implementation.

WORKSHOP

Survey Camp – Mussoorie, Uttarakhand

June 2019 – July 2019

- Performed levelling with the help of Dumpy/Auto Level
- Learned practical applications of levelling.
- Performed Plan-Table Surveying
- Made a layout of the nearby area of our hostel.

EDUCATION

MAHARISHI DAYANAND UNIVERSITY – ROHTAK, HARYANA

Bachelor of Technology (BTech), 4 years undergraduate degree in Civil Engineering

- Secured first position in intra-college GD competition.
- Participated in various Debate and GD completions at the intra-college level.

ADDITIONAL

Technical Skills: Bluebeam Revu20, STAAD Pro, Autodesk Revit, Autodesk Navisworks, Bentley Synchro4D, Oracle Primavera P6, Microsoft Office365, Outlook, Microsoft Teams.

Soft Skills: Presentation Skills, Active Listening, Diligence, Interpersonal skills, Analytical, and Problem-solving, Teamwork, Project management, Leadership.

Other Skills: Analysis of structure, US construction, Roofing Estimation, Plumbing Estimation, Understanding of Engineering theory, Understanding of Engineering Aviation Projects & Terminologies, Knowledge of structural components.

Languages: Professional Working Proficiency in English, Native Proficiency in Hindi

Certifications:

1. Bentley 4D Pro: 5D Calculations (Virtuosity)
2. Bentley Accredited SYNCHRO 4D Professional (Bentley Systems)
3. BIM Application for Engineers (National Taiwan University, Coursera)
4. BIM Fundamentals for Engineers (National Taiwan University, Coursera)
5. Managing Projects using Revit (Autodesk)
6. Energy-Efficient Buildings (School of Planning and Architecture, New Delhi)
7. Google Project Management Professional Certification (Google, Coursera)
8. Primavera P6 Professional Project Management (Oracle University)
9. Fundamentals of Waterfall Project Management (PMI – Kickoff)
10. Fundamentals of Agile Project Management (PMI – Kickoff)
11. Digital Transformation (SimpliLearn)
12. Become a Project Manager (Learning Pathway by LinkedIn Learning)
13. Communication Strategies for a Virtual Age (University of Toronto, Coursera)
14. Civil Engineering Virtual Experience Program (John Holland, Forage)
15. Remote work Foundations (LinkedIn Learning)
16. Time Management: Work from Home (LinkedIn Learning)
17. TCS ion Career Edge – Young Professional (TCS)
18. Business and Academic communication (Udemy)
19. Quantity Surveying with Rate Analysis (Udemy)