

## **Prashnna Ghimire**

### **PROFESSIONAL SUMMARY**

- Professional Role: More than 5 years of diverse experiences in allied fields such as; Construction, Architecture, Engineering, Research, Humanitarian and Development, in a blended form.
- PE, Registered Engineer (Nepal Engineering Council –NEC)

### **EDUCATION**

- **Master of Building Construction, Construction Management** | *Auburn University*, Alabama, USA
- **Bachelor of Architecture** | *Tribhuvan University*, Kathmandu , Nepal

### **PROFESSIONAL EMPLOYMENT HISTORY**

January 2019 – Present <b>1 Year 2 Month</b>	<b><u>BIM Manager, The Pike Company</u></b>   <u>New York, USA</u> <u>Roles:</u> Conducting BIM Coordination Meetings, Preparing and Monitoring BIM Budgets and Schedules, Developing and Implementing BIM Execution Plan (BEP) & BIM Workflow, Providing BIM Training, Oversee Company-wide BIM Software and VDC Technology Works, Quality Control <u>Projects:</u> Airports, Commercial, Health
May 2017 – August 2018 <b>1 Year 4 Month</b>	<b><u>Graduate Teaching Assistant, Auburn University</u></b>   <u>Alabama, USA</u> <u>Roles:</u> Teaching Assistant for Construction IT, MEP , Structure, and Construction Drawing Courses
April 2016 – April 2017 <b>1 Year</b>	<b><u>Senior Engineer , Nepal Mission, People in Need (PIN)</u></b>   <u>Czech Republic(Europe)</u> <u>Roles:</u> Design , 4D Simulation , BIM Coordination, Bidding& Procurement , Contract Administration, Engineering Team Coordination & Supervision , Lean Implementation, Safety Management <u>Projects:</u> Public Buildings, Earthquake Resistant Model Buildings, Infrastructure
May 2015 – April 2016 <b>1 Year</b>	<b><u>Coordinating Engineer ,Nepal Mission, People in Need (PIN)</u></b>   <u>Czech Republic (Europe)</u> <u>Roles:</u> Design,3D Modeling , 4D Simulation, Scheduling, Estimation, Project Team Coordination & Supervision ,Constructability Analysis, Risk Analysis <u>Projects:</u> Public Buildings, Earthquake Resistant Model Buildings, Trail
October 2014 – May 2015 <b>8 Month</b>	<b><u>Assistant Construction Manager, G.Tec. Construction &amp; Engineering</u></b>   <u>Kathmandu, Nepal</u> <u>Roles:</u> 3D Model Coordination, Estimation, Coordination with Subs, Quality Control, Assisting in RFI's, Change Orders , and Submittals, Document Control <u>Projects:</u> Healthcare Building
May 2013 – September 2014 <b>1 Year 5 Month</b>	<b><u>Site Supervisor (Part-time job), G.Tec. Construction &amp; Engineering</u></b>   <u>Kathmandu, Nepal</u> <u>Roles:</u> Onsite Coordination, Monitoring Progress , Daily Plan & Report, Survey, Project Layout, Material Management <u>Projects:</u> Commercial Building, School
September 2014 – December 2014 <b>4 Month</b>	<b><u>Certified ToT (Training of Trainer) Trainer (Part-time job), Brilliant Manpower Training Centre (BMTC)</u></b>   <u>Kathmandu, Nepal</u> <u>Roles:</u> Safety Training to Construction Labors
October 2012 – March 2013 <b>6 Month</b>	<b><u>Architect, A-Not Architecture N Architects</u></b>   <u>Lalitpur, Nepal</u> <u>Roles:</u> Architectural Design, 3D Modeling( Sketch Up), Drafting Construction Drawing ( AutoCAD), Structural Drawing, Estimation <u>Projects:</u> Residential Buildings, Commercial Building, School
June 2011 – July 2012 <b>1 Year</b>	<b><u>PR (Public Relation) Coordinator, National Architectural Exhibition</u></b>   <u>Lalitpur, Nepal</u> <u>Roles:</u> Proposal Writing, Managing Sponsors, Managing Event

### **EXPERTISE**

#### **BIM/VDC Tools:**

Drone Piloting, Microsoft HoloLens, Trimble Platform, Revit, Dynamo, Navisworks, AutoCAD, Civil 3D, Revizto, RealWorks, Tekla Structures, Peri Formwork, Laser Scanning/Post processing(SX 10, TBC, FARO), Thermal Imaging, , Bluebeam, P6, Synchro, BIM 360, SketchUp, Assemble, Advance MS Office Project, Advance Excel, ArcGIS (ArcMap),Microsoft Office Suite

#### **Construction & Management:**

Software based modeling, Estimation, Project Scheduling, Architectural Design, Project Design, Project Proposal and Report Writing, Surveying, PCM (Project Cycle Management), SCM (Supply Chain Management), Contract Administration(Bidding and Evaluation), Lean

**Certification:** FAA Unmanned Aircraft Pilot, OSHA 10 Hours, OSHA 30 Hour, Certified TOT (Training Of Trainer) Trainer

**Analog:** Carpentry, Metalworking, Bamboo working, Wood working, Drafting

## PROFESSIONAL ACHIEVEMENTS

- Canandaigua VA Medical Center, Canandaigua, New York, USA
- St. Anns Renovation, Rochester, New York, USA
- Buffalo Niagara International Airport, New York, USA
- G&C Foods, Syracuse, New York, USA
- Walmart, Thomasville, Georgia, USA
- Asheville Regional Airport, North Carolina, USA
- DFID (Department for International Development, UK) Project: Post Disaster Recovery Program- 125 km trail and 15 Public Buildings
- IOM (International Organization for Migration, UN-United Nations) Project : 2 Community Building
- ECHO (European Commission) Project: Infrastructure Development
- SOS & Czech Radio Project in Sindhupalchowk, Nepal: Community driven Infrastructure- 4 Earthquake Resilient Model Community Buildings, Water Supply & Irrigation
- Gabion House Building Construction Technology : Design and Structural analysis of Gabion House Model for National Building Code( for the first time in Country)
- DFID Project : 3 Temporary and Permanent Model Building Structure (with Vernacular Building Material)
- 2 Public Buildings (in Reinforced Cement Concrete Technology)
- Rainaskot Village Redevelopment, Lamjung, Nepal: First Model Village Reconstruction Program (15 Residential Buildings)
- ToT ( Training of Trainer) certified trainer to construction laborers in Nepal
- Projects as a Freelancing Architect: 10 Residence, 2 Commercial Complex, 2 School, 1 Resort, 1 Health post, 1 Bio Gas Plant
- PR (Public Relation) Coordinator for National Architectural Exhibitions

## VOLUNTEERING, ADVISORY AND LEADERSHIP

- Volunteer on repairing homes damaged during Hurricane Harvey, 2017, Houston, Texas (Auburn University Service-Learning Program)
- Volunteering work ( in Board) - Village Structure International, USA- VSN in Nepal- INGO
- Member, Nepal Engineers' Association (NEA) Number
- Program Manager/Senior Architect, Nepal - Seismic Nepal, USA
- Board of Advisory ( Volunteering) - Matrix Engineering Pvt.Ltd., Nepal
- Board of Director/Construction Lead - Design Karyashala Pvt. Ltd.
- Member - United Nations Youth & Student Association of Nepal (UNYSAN)
- Member - ESAL (Engineering Students Association of Lamjung), Nepal

## RESEARCH

- VDC Departmental Differentiators: Advantages and Disadvantages
- Advantages of Output Based Payment System in Re-construction Projects of Humanitarian Organizations
- Health & Safety Issue of Female Labor in Construction Site : Context of Nepal
- Construction Delays in Nepal : Causes & Effects
- Thesis Research on : Sports Fan Club
- Conservation and Planning of Settlement: Thecho, Lalitpur
- Research project on a historical building of Kathmandu valley (Kastamandap)
- Research project on building acoustics and lighting (Himalaya television studio and Patan museum)
- Aluminium as Constructional Material
- De constructivism in Architecture

## CORE VALUES

Innovation | Technical Excellence | Safety | Lean Thinking | Sustainability | Energy Efficiency | Ownership

## HONOURS AND AWARDS

- Awarded *GTA (Graduate Teaching Assistant)* position in Auburn University
- Winner in *National Earthquake Resilient Housing Design Competition 2015* organized by Nepal Government, UNDP (United Nations Development Program) and NEA (Nepal Engineers' Association) in collaboration
- *High Merit Scholarship Award* ( Full scholarships for undergraduate study) and *TU (Tribhuvan University) Strip*
- *Mahatma Gandhi Scholarships Scheme* from Embassy of India, in grade XI and XII
- Regularly received *Chitra Bahadur Maankumari Sikshya Puraskar* for class topper, from grade I to Grade X

## INTEREST

VDC, BIM, BIM-FM, Virtual and Mixed Reality, Dynamo, Python, BIM-IPD, Lean-BIM, Project Delivery System, Building Energy, Sustainability