

KRISHNA KUMAR YADAV



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WORK EXPERIENCE

Junior Design Engineer-Geotechnical

October 2022 – Present

Sweco India Private Limited, Gurgaon

Projects:

[Rottneros. _Markficka, Värmland municipality, Sweden](#)

Scope: Demolished the old Infrastructure and Investigate the Geotechnical Parameters of soil and Rock to build the New Wood Mill.

- Updated the Geosuite with Geotechnical data (Field data & Lab data).
- Prepared the Geotechnical Drawing (Plan, Section & Profile).
- Prepared Geotechnical Investigation Report (GIR).

[Karlskoga_Östra_Lönntorp, Karlstad, Sweden](#)

Scope: Laid down the water pipe & Wastewater pipe according to revised Alignments or chainage.

- Prepared the new alignments provided by client in Civil 3D.
- Prepared the Geotechnical Drawings (Plan & Profile According to new chainage).

[Munkedal_Foss_1:61, North from the Gothenburg, Sweden](#)

Scope: Built the Foundation of New Tower and Analysis the stability of slope for the Pile required or not.

- Updated the Geosuite with the Geotechnical calibration data (CPT).
- Prepared the Geotechnical Drawings (Plan & section).
- Determined the Soil parameter (Cohesion & Phi) by the Conrad (CPT Evaluation) and Calculation of Shear strength of the soil.
- Analysed the Slope stability in GeoStudio (Slope/w) for the Undrained & Combined both the Analysis. And determined the Fos (Factor of safety) According to Euro code 7.

Kil, _Kilslund_1:2, North from the Karlstad, Sweden

Scope: Deforestation of land and build the new Residential Infrastructure.

- Imported the Coordinates of sounding in AGOL(ArcGIS) and Making plan & section.
- And prepared the Geotechnical investigation Report (GIR).
- Calibration of CPT data Evaluation.

Karlstad. _Haga_entre, Sweden

Scope: Undrained Stability analysed to Excavated slope to lay the Sewerage Pipe.

Internship Training

July 2022– September 2022

Sweco India Private Limited, Gurgaon

Tasks

- Familiar with the Eurocode 7-Geotechnical code
- Trafikverket (TK Geo 13 & TK Geo-R)
- Systems of Notation essential for Geotechnical Drawings (Plan &Section)
- Interpretation of soil & Updation of field data & lab data in Geosuite Presentation
- Digitisation of sounding using Civil 3D & Geosuite
- CPT data evaluation (to determine the C & Phi)
- Stability analysis using GeoStudio (Slope/w)
- Settlement analysis using Geosuite (Basic)
- Plaxis 2D(Basic)

Construction Industry development & Council (CIDC) June 2018-July 2018

Tasks

- Prepared plan & section of Residential building through AutoCAD.
- Estimation and costing of the Residential building.
- Rate analysis & Bill of Quantity.

EDUCATION

Bachelor of Technology – Civil Engineering

2018 - 2022

KIET Group of institutions, Ghaziabad

CGPA - 8.07/10

Project: Strength Classification of Rock material based on particle size and mineralogical Composition for sustainable Concrete.

- Designed Mix of Concrete(M25Grade) for different – different rock. (Metamorphic, limestone, Igneous).

Higher secondary certificate

2015-2016

S.S.M.I.C Bhimsenpur, Bhadohi

Percentage - 85%

Secondary school certificate

2013-2014

S.S.M.I.C Bhimsenpur, Bhadohi

Percentage - 84%

WORKSHOP

Universal Human Values & Professional Ethics

Jan 2019 - June 2019

KIET Group of institutions, Ghaziabad

Skills- Engineering Ethics

ACHIEVEMENTS

Briders' battle – 1st position which is organized by KIET Group of Institutions**TECHNICAL SKILLS**

Civil Engineering

SOFTWARE SKILLS

Geosuite, GeoStudio (Slope/w), Civil 3D, Open Rail, Plaxis 2D (Basic) and AutoCAD.

INTERPERSONAL SKILLS

Problem solving, Proactive, Hardworking, collaboration and Communication...

PERSONAL DETAILS

- Gender: Male
- Date of Birth: Feb.05,1999
- Marital Status: Unmarried
- Hobbies: Cricket and Reading books
- Language: English, Hindi
- M.No:8 881 782 721

Declaration: I hereby declare that the information provided above by me is true.**Krishna Kumar Yadav**