DINESH BISHWAKARMA

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About Me

I am a 21 years old young, energetic, enthusiastic, hard-working under graduate student capable to use and perform various tools and activities related to the field of Geomatics Engineering.

Education

- **Bachelor in Geomatics Engineering | I.O.E Pashchimanchal Campus, Pokhara-16**
  NOV 2016 – PRESENT

- **10+2 (Science) | National School of Sciences (NIST), Lainchour, Kathmandu**
  JUNE 2014 – JULY 2016
  82% in aggregate

- **S.L.C | Janajyoti Vidyamandir, Ghorahi Dang**
  APRIL 2001 – JUNE 2014
  88%

SKILLS

Softwares:

- ArcGIS
- QGIS
- ERDAS Imagine
- Geoserver
- Auto CAD
- Agisoft Photoscan
- Microsoft Office
- Adobe Photoshop
- Adobe Illustrator
- Adobe XD
- Google Earth Engine
- Android Studio

Programming Languages:

- C
- C++
- PHP
- JavaScript
- Python
- HTML
- CSS
- MySQL

CLUB/LEADERSHIP
➢ **Vice President,** Geomatics Engineering Students' Association of Nepal (GESAN), 4th Executive Committee.

PROJECTS/ACTIVITIES
➢ **Paragliding Monitoring System** as a project for Vector 2.0 on Pashchimanchal Campus
Paragliding Monitoring System is system that tracks and displays the location of Paraglider in real time. It also gives the information about the coordinates, altitude attained, distance travelled, glide ratio etc. and also output the shape files and kml of the flight path. It combinely used JavaScript, PHP, JAVA (Android Studio), AJAX, MySQL to make whole project.

➢ **Solve, Win and Recharge** on Vector on Pashchimanchal Campus
Solve, Win and Recharge is a computer based quiz game developed on php and MySQL. The user need to solve the thirteen questions to win the recharge voucher. The game attracted more than 300 people during the vector event.

➢ Soil Sample Data Collection of Pokhara Valley as a task assigned by the **Center for Space Science and Geomatics Studies.**

➢ Data filtration using Microsoft BI as a task assigned by the **Center for Space Science and Geomatics Studies.**

➢ **NDVI Calculation of Nepal** using Google Earth Engine

Calculating NDVI of the whole country is a generally a complex task when performed by the traditional way. By using the Google Earth Engine, the NDVI of the country was calculated and interpreted by writing few lines of codes and in few times. The output can be seen via following the link.

https://code.earthengine.google.com/8f3a721d71723933f96b2fb65e294abb

Language
➢ Nepali
➢ English
➢ Hindi