

KRISHNA KANTA HANDIQUI STATE OPEN UNIVERSITY
GURU PRASAD DAS SCHOOL OF INTERDISCIPLINARY AND
VOCATIONAL STUDIES

Project Guidelines for the Skill Enhancement Course in
Introduction to Geoinformatics

A brief project report is an essential component of the Skill Enhancement Course (SEC) titled “**Introduction to Geoinformatics**” in the first semester undergraduate programme. The basic purpose of this report is to enable and encourage learners to develop the fundamental concept of GIS (Geographic Information Systems), remote sensing, cartography, and other relevant topics. The project report should highlight the student's technical skills in using GIS tools effectively for spatial analysis, mapping, and data visualization. The duration of the project is one month and it carries 20 marks.

The following are the tentative thematic areas where the project report can be carried out:

- Asset mapping in a selected area using GPS and GIS techniques
- Land use and land cover mapping and assessment in a selected area using Remote Sensing and GIS
- Geotagging and mapping of public amenities in a selected area using GIS tools
- Transportation network analysis using GIS techniques in a selected area
- Urban expansion mapping and assessment using GIS
- Health service accessibility analysis using GIS
- Educational service accessibility analysis using GIS
- GPS-based survey and plotting of environmental data in a selected area with GIS approach.

The project report should be around 2500 to 3000 words (excluding the title page, acknowledgements and bibliographic references). It should be typed on A4 size paper. All contents in the main part of the report should have 1.5-line spacing and printed on one side of the paper with one-inch margins. The pages of the report should be numbered at bottom centre. The font type should be Times New Roman. For general continuous texts, font size should be 11. Each main heading should be typed with BOLD letters with font size 14. The final submission of the report should be spiral bound between light plastic sheets.

The sequence of the material in the report should be in the following order:

- 1) **Cover page** of the project report should state the title of the project, the name of the Academic Supervisor, the name and enrolment no. of the student, name of the Course, name of the University and the year of submission. The format is given in Annexure A.
- 2) **Certificate** issued by the Supervisor that the report submitted by the candidate is his/her own work and that the same be placed before the examiner. Certificate format is given in Annexure B.
- 3) **Table of Contents** should list the contents of the report by chapters with sections where appropriate and the page number for each, together with the page number for references, figures, tables and maps if any.

- 4) **Acknowledgements** you may wish to express gratitude for any assistance received during the preparation of the project report.
- 5) **Abstract** comprises the summary of the project and should be around 500 words.
- 6) **Main Text** consists of several **chapters** including Introduction, Methodology, Analysis, Findings, Implementation of the project, Future application of the project and Bibliography.


PROJECT GUIDE:

- Faculties in the departments of Geography, Earth Science, Environmental Science, Geology, Disaster Management or Computer Science in colleges/institutions affiliated to any Indian University and having minimum five years of teaching experience.
- A Scientist or Project Coordinator affiliated with a National or State organization.

SUBMISSION OF PROJECT REPORT:

- Learners are required to have their own PC or laptop and have installed the Free and Open Source Software (FOSS) such as QGIS, SAGA, ILWIS etc. for conducting the analysis part of the project.
- Learners should prepare two copies of the project report, one for submission to the Study Centre and one for their own records.

Annexure A: COVER PAGE OF PROJECT REPORT


TITLE OF THE PROJECT
(Name of the Candidate & Enrolment number)
Supervised by (Name of the Supervisor)
Introduction to Geoinformatics KRISHNA KANTA HANDIQUI STATE OPEN UNIVERSITY (Year of Submission)

Annexure B: CERTIFICATE BY THE SUPERVISOR

CERTIFICATE

This is to certify that the project report entitled _____
submitted by (Candidate's name) _____ Enrolment No. _____
is his/her own work and has been done under my supervision. It is
recomanded that this project be placed before the examiner for evaluation.

(Signature of the Supervisor)

Name : _____
Address : _____
Study Centre : _____
Date : _____
