

Detailed Report on Value Added Course-2021-2022

DEPARTMENT OF GEOGRAPHY

KRANTISINH NANA PATIL COLLEGE, WALWA

Course Code: VA-001

Course Name- Value Added Course on "Introduction to QGIS
Software"

2021-2022

The Department of Geography, Krantisinh Nana Patil College, Walwa has organized a fourteen days (30 Hours) Value Added Course on "Introduction to QGIS Software" for B.A.III geography students to get the knowledge of advance technology in Geography to survive in the open market. The Course was coordinated successfully by Dr. Jadhav K.R. (Course-Coordinator) from 20th June to 01st July, 2022.

The main objective of the Course was to provide training of QGIS Software for Geospatial analysis to the students. The students were introduced the concepts and the techniques of handling geographical data through a particular form of information system - GIS. The students learned to operate the QGIS software and their application in the field of geography and geoinformatics.

The course output helps to improve the skills and knowledge of the subject among students to resolve the environmental problems. The advanced knowledge gained by the students during the course will also helps to improve the employability of the students in future. The course consisted of both theory and practical's (total 30 hrs) on QGIS software.

Total **12** B.A. Geography students were participated and successfully completed this course.

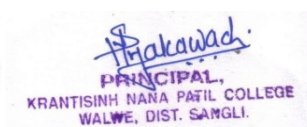
The Course was inaugurated in presence of the Principal, Dr. S.A. Nayakawadi, Dr. Jadhav K.R. (Course-Coordinator) and Dr. B.S. Jadhav and other Teaching faculty members of the Department on 20th June, 2022 at 08.00 am.

Three sessions of the first three days (i.e on 20th , 21st and 22nd June, 2022) were conducted by Guest Faculty/Expert- Dr. B.S. Jadhav on "GIS

Components, Introduction to QGIS Software. On 23rd to 25th June, 2022 three sessions were taken by Dr. S.G. Chavare, a resource person from Krantiagnri G.D. Bapu Lad Mahavidhyalaya, Kundal. He has in sighted about the GIS Data Structure, Types (spatial and non-spatial), Raster and Vector data etc. Besides this, Dr. K.R. Jadhav (Head of the Dept) have also contributed their expertise for this course (As per Time table) . The Resource persons and Teaching faculties of this Department have covered the various topics during the course i.e. Explained the different types of coordinate reference system (CRS) based on preserving properties, Reprojection of vector layers from Geographic to the projected system, adding of GCPs to the provided map, creating vector datasets (viz., point, line or polygon) from raster datasets, With the help of digitization generated different set of layers viz. Rivers, roads, schools, ward boundaries and building blocks from a single map.

During the course all the participants gained precious knowledge about the QGIS software, they have learned and familiar with the projecting and reprojecting the vector and raster data sets by using Quantum GIS. With the Hands on experience on QGIS Software, the digitization of toposheet has carried out by the students.

At the last day of the course on 1st July,2022 the objective question test and practical exam with oral (100 Marks) was conducted. The Certificates were issued to the participants for the successful completion of the course.



Principal

Dr. Jadhav Krishnat Rajaram

Course Coordinator

