



**BANGALORE**

**UNIVERSITY**

## Dept. of GEOGRAPHY & GEOINFORMATICS M.Sc. Geographical Information Science

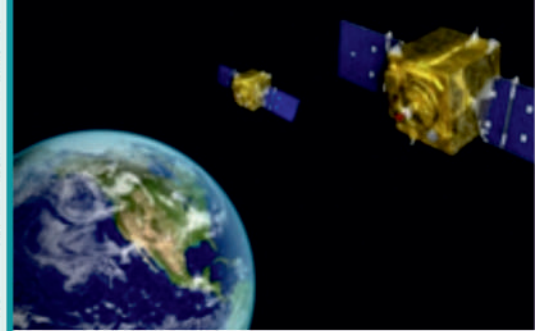
**About the Course:** The course has been initiated in 2017 to teach geo-technological aspects in the field of Geo-information Science. The course focuses on the study of the earth and its allied domains. The course comprises scientific technologies and addresses spatial information and the digital connection between location, people, and activities.

**Course Objectives:** The course spreads the knowledge of geospatial information among students. It aims to excel in domains ranging from spatial data capture through surveying, handling and analyzing the GIS, remote sensing to geo-visualization on paper and interactive websites.

**Duration of the Course:** The course consists of 4 semesters spread in two academic years that includes internship and research dissertation at the end.

**Eligibility:** Candidates with B.Sc. (Earth Sciences / Physical Sciences) / BA Geography / BE (Civil, Agriculture, Environment) or Equivalent Degree of Bangalore University or any other Universities are eligible for admission to the course provided.

**Major Areas Covered :** In GIS, DBMS, spatial analysis and modelling, Transportation GIS, 3D GIS, Spatial Data Mining, Health GIS and development of software tools, remote sensing, aerial photography, Survey and GNSS, Cartography and various applications of remote sensing in monitoring, land, forest, ocean, disaster, health etc. This course also includes handling of software like ArcGIS, QGIS, ERDAS, Auto-CAD, GPS & ENVI.



### Teaching Faculty

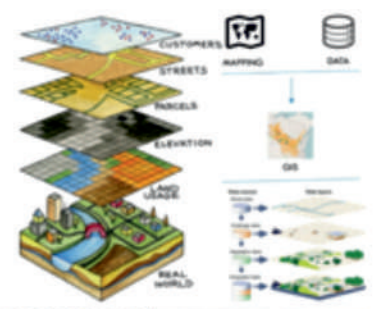
Well-trained and experienced faculties involved in teaching. Special lectures delivered by inviting speakers from reputed institutions.

### Career. Scope & Job Prospect

At the last semester students will be sent to reputed organizations for the internship. The students after successfully completing geoinformatics course can avail numerous career options in the areas of spatial database, navigation systems, Public Health & public services, urban planning, natural resource management and land use management, etc. The students can also get placements in numerous government / non-government organizations. Every effort will be made to have campus interview to get placements to the students.

### Field study tour/ Field visit

During the course, two weeks study tour will be conducted to explore practical knowledge of geographical regions of India. Short field visits like one day institutional visits related to disaster monitoring and management.



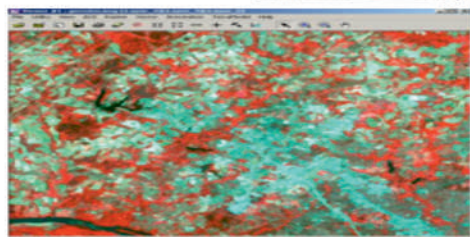
### Facilities

Smart classrooms, open seminar hall, department library, geo-informatics lab, Image processing labs, research forum, geographical & survey equipment, manual mapping tools.



### Co-curriculum Activities

The students who are following this course have the opportunities to participate in IIRS Outreach programmes, Geo-Forum activities which include celebrating world recognized days, Greening and cleaning campus drives, etc.



**Prof. Venugopal K.R.**

Hon'ble Vice Chancellor, Bangalore University

For Correspondence

**Dr. Ashok D. Hanjagi**

Professor & Chairman, Geography and Geoinformatics

Email:geography@bub.ernet.in, Phone: 80 22961371, M: 91 9845634196

Websites: [www.bangaloreuniversity.ac.in](http://www.bangaloreuniversity.ac.in) [www.ugit.net](http://www.ugit.net)

**Prof. B.K. Ravi**

Registrar, Bangalore University