

### **GPS-GIS Training in the Department of Geography on 21.11.2024**

A training session on Global Positioning System (GPS) and Geographic Information System (GIS) was organized by the Department of Botany and Geography for the 5<sup>th</sup> Semester students of the Department of Botany as a part of the practical component under the paper Natural Resource Management.

The training aimed to provide hands-on experience and conceptual clarity on the applications of GPS and GIS technologies in the field of environmental and natural resource studies. The session was conducted at the Geography laboratory and surrounding field sites.

The programme began with an introductory lecture by Dr. Sujata Deori, Head of the Department, Department of Geography, who explained the fundamentals of GPS and GIS, including their history, significance, and relevance in modern scientific research and resource planning. This was followed by practical demonstrations on:

1. GPS Device Handling: Students were trained to operate handheld GPS units for recording coordinates, elevation, and mapping sample plots.
2. Introduction to GIS Software: The basics of GIS software (e.g., QGIS or ArcGIS) were introduced, including map layering, plotting GPS data, and creating basic thematic maps.

Students actively participated in the laboratory session and were encouraged to ask questions and discuss real-life applications of geospatial technologies in natural resource management, biodiversity conservation, and ecological research.

The training concluded with a short feedback session where students expressed appreciation for the exposure to practical geospatial techniques, which complemented their theoretical understanding of the course. The Department of Botany extends sincere thanks to the Department of Geography for their support and collaboration in enriching the academic experience of the students.

