

**DEPARTMENT OF ENVIRONMENTAL SCIENCE
ST EDMUND'S COLLEGE SHILLONG**

**REPORT
VALUE ADDED COURSE**

Program: Basics of GPS and Mapping (VACBGM)

Duration: 1st March to 31st May 2023

Venue: Department of Environmental Science

Coordinator: E. Sumer

Number of students: 15

Objectives of the course:

- To make students understand the basic principle of GPS and its uses.
- To acquaint the with the skills of modern surveying through GPS.
- To empower students with the fundamental knowledge of the area of specialisation.
- To introduce students to the practical world of decision-making that can connect to the industrial requirement in a better way.
- To allow students to go beyond their curriculum and facilitate them to extend their interest level in each area.
- To give students a platform to experience a competitive environment through real-time projects and assignments.

The Department of Environmental Science, St. Edmund's College has conducted 20 hours Value Added course on Basics of GPS and Mapping w.e.f. March 2023 to May 2023. Classes were conducted in 45 minutes to 1-hour pattern according to the module designed.

Module 1: Basic theory of GPS – 4 hours

Module 2: Basic operations of GPS – 4 hours

Module 3: Installation of supporting software for data handling – 1 hour

Module 4: Downloading of Google Earth Pro and uses – 4 hours

Module 5: Basic map composition in QGis (Open Source) – 7 hours

Module 6: Practical and Assessments – 5 hours

