# MANGALORE UNIVERSITY

## DEPARTMENT OF MARINE GEOLOGY

## MSc GEOINFORMATICS

### GIP 404: REMOTE SENSING AND PHOTOGRAMMETRY (LAB H)

**Course Outcome:**

CO1: Students will be able to generate various kinds of thematic maps like geology, geomorphology, soil, landuse/land cover etc. They will carry out visual and digital analysis and extract the required information based on remotely sensed data.

CO2: Technologies not only helpful to identify useful surface features, but also helps in understanding the natural processes.

Aerial mosaics, compilation, annotation, scaling and preparation of Photo index, Photo base determination and numerical problems on aerial photographs.

**Spectral reflectance:** Plotting of Spectral Reflectance Curves- Rocks, Soil, Vegetation and Water covering.

**Visual Analysis:** Study of aerial photographs under pocket and mirror stereoscopes and interpretation of satellite images (Black & White and FCC images) Interpretation of satellite data Products and generation of thematic maps.

**Elements of Aerial Photo:** Study of Stereo pairs of aerial Photos. Flight planning, Determination of scale and slope. Outlines of parallax measurement