

COURSE NAME: GIS PRACTICAL-1

COURSE CODE: GIS-P1/ DGIS-P1/ CGIS-P1

Unit schedule

BLOCK 1: Hardware, Software & Devices

Unit1: Excel

Unit2: Microsoft Word

Unit3: Power point

Unit4: Paint

Unit5: Exercise on installing device driver, printers, and other hardware devices

BLOCK 2: PRACTICAL EXERCISES OF GOOGLE/ BHUVAN

Unit6: Overview of ISRO's Earth observation visualisation bhuvan portal

Unit7: Visualisation of 2D/3D of Indian imaging capabilities and free data download

Unit8: Rich thematic services (land, ocean, weather, disaster) to select, browse and query and how to consume available OGC WMS services

Unit9: Collaboration tool for community participation

BLOCK 3: MAP READING EXERCISES

Unit10: Map information: types and purposes of maps, map elements, map symbols

Unit11: Scale introduction: units of measurement, map distance and ground distance, representative fraction scale, verbal scale, bar scale, scale conversions

Unit12: Coordinate systems: the graticule, parallels of latitude and meridians of longitude