

COURSE NAME: GIS PRACTICAL-3

COURSE CODE: GIS-P3/ DGIS-P3/ CGIS-P3

BLOCK 1: SPATIAL AND NON-SPATIAL QUERIES

Unit1: SQL based non spatial queries

Unit2: Spatial queries based on location and topology relationships

BLOCK 2: RASTER AND VECTOR ANALYSIS

Unit3: Raster manipulations (local, focal, zonal, and global)

Unit4: Vector analysis (overlay, buffering, networking)

BLOCK 3: SPATIAL DATABASE CREATIONS

Unit5: Geo database creation (Point, line, polygon)

Unit6: Attribute data creation

BLOCK 4: PRACTICAL EXERCISES OF GPS

Unit7: Handling of handheld GPS

Unit8: Point and line measurement using GPS

Unit9: RMS error estimation

Unit10: Mobile routing using GPS