3. Straller, A. N. 1976, *Principles of Earth Sciences*, Harper & Row, 269-315.
4. Moorbath, S. 1977. The Oldest Rocks and the Growth of Continents. *Scientific American*, 236-3, 92-104.
5. Wilson, J. T. 1963, Continental Drift. *Scientific American*, 208-4, 86-100.
6. Head, J.W., C.A. Wood and T.A. Mutch. 1977, *Geological Evolution of Terrestrial Planets*, 65-19-21.
7. Reinick, H. E and Singh, I. B. 1973, *Depositional Sedimentary Environments*, Springer-Verlag, England.
8. Linslay R. K, Kohler, M. A. and Paul Hus J. L. H. *Hydrology for Engineers*. McGrow Hill, NY, 23-244.
9. Christopherson, R. W., 1995, Elemental Geosystems. Prentice Hall, New Jersey, 3-540.
10. Hyndman, D. W., 1972. *Petrology of Igneous and Metamorphic Rocks*. McGrow Hill, New York, 31-404.
11. Windley, B. F. *The Evolving Continents*, John Willey & Sons, 1-385.

GIP 405: REMOTESENSING AND PHOTOGRAMMETRY (LAB H)

Skills, employability and entrepreneurship: These courses are useful for students to study of aerial photographs and interpretation of satellite images. Preparation of aerial photo index, photo base determination and numerical problems on aerial photographs and satellite images. Students learn the fundamental concepts of remote sensing and photogrammetry have good opportunities as well they can start their entrepreneurship.

1.	Aerial mosaics, compilation, annotation, scaling and preparation of Photo index, Photo base determination and numerical problems on aerial photographs.
2.	**Spectral reflectance:** Plotting of Spectral Reflectance Curves, Rocks, Soil, Vegetation and Water.
3.	**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 (visual image interpretation and digital image analysis). Handling Image Processing Software Packages like: ERDAS, ENVI etc. and Generation of thematic maps.
4.	**Elements of Aerial Photo:** Study of Stereo pairs of aerial Photos. Flight planning, Determination of scale and slope. Outlines of parallax measurement.

GIP 406: EARTH SCIENC (LAB H)

Skills, employability and entrepreneurship: Students from deferent disciplines are provided with the fundamental processes which are leading to the formation of minerals and rocks. Students can enhance their skills to work in quarrying, mining, rock polishing, ceramic and refractory industries. They can start their own entrepreneurship.

	Petrology
1.	Megascopic study of common rock forming minerals.
2.	Identification of igneous, sedimentary and metamorphic rocks (hand specimen).
3.	Study of mega structures, textures and mineralogy of igneous rocks.
4.	Study of mega structures, textures and mineralogy of sedimentary rocks.
5.	Study of mega structures, textures and mineralogy of metamorphic rocks.