CE671A: Introduction to Remote Sensing **3-0-2-0 [11]**

Course Contents:
Remote sensing system; Physics of remote sensing, EMR characteristics and interaction in atmosphere and with ground objects; Sensor types characteristics: types of resolution, FOV, IFOV, PSF; RS satellites and data products; Image processing, interpretation elements; Classification; Geometric and radiometric distortions, Geo-referencing, re-sampling methods; Atmospheric errors and removal; Satellite orbits and characteristics; Applications of optical and microwave remote sensing techniques in Civil Engineering.