COURSE TITLE	**TE142343: GRID Computing** Credits: 2 Semester: II
LEARNING OBJECTIVES	Student can explain the basic architecture of Grid system, resources management system in Grid, and also how is the semantic web being deployed in Grid system to provide the security and reliability of the Grid.
COMPETENCY	• Student can explain the basic architecture and features of Grid based on OGSA standardization. • Student can explain how the resources management system is applied in Grid system to support the performance and security in Grid.
SUBJECTS	• Basic architecture of Grid System • Some concepts of application in distributed computing • Globus toolkit and web service in grid system • Web Semantic grid system • Concepts of security and performance in grid system
MAIN REFERENCES	Maozhen Li and Mark Baker, The Grid core technology, Brunel Univ, UK, Portsmouth Univ, USA, John Wiley & Sons, 2005.
OPTIONAL REFERENCES	Stevens, R.D, Tipney, H.J, Wroel, C, J, Oinn T.M, Senger, M, Lord, PW, et all, Syndrome using myGrid, bioinformatic, 2003.
PREREQUISITE	-