SETHU INSTITUTE OF TECHNOLOGY

(An Autonomous Institution| Accredited with 'A' Grade by NAAC)

PULLOOR, KARIAPATTI – 626 115.

DEPARTMENTOF ELECTRICAL AND ELECTRONICS ENGINEERING

Activity Supports Employability/Entrepreneurship/Skill Development

Course Code : 15UEE926

Course Name : PLC and SCADA Applications

Academic Year : 2020 – 2021 (Even) **Class** : III Year

Category	Employability and Skill Development
Activity	Assignment
Outcome	PLC and SCADA are both used to **monitor and control equipment in process automation** across many different industries, such as telecommunications, water and waste control, energy, oil and gas, and transportation. A PLC is a versatile piece of equipment, which holds up under harsh conditions with advanced options for programming and real-time usage. Specifically, PLCs control some of the most complex processes within industrial plants. They are often deployed to monitor running machines and motors. In order to provide more functionality, a PLC is easy to program. SCADA is a central system, it is usually installed on a computer in a monitoring hub at a plant. In order to provide the necessary data, SCADA works with a variety of other systems. It serves as an interface of sorts, bringing various plant data together for assessment purposes. An operator can enter changes as necessary through the SCADA interface in order to control the flow and operation of the working parts within the plant. Programming questions based on the various test cases are given in the assignment in order to programming skills thereby improving the employment opportunity in automated industries.

Course Instructor **HoD/EEE**