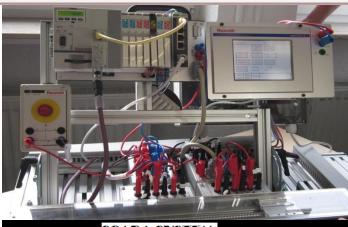# HMI & SCADA

Contents

- ❖ Set-up and function of Local controller using HMI
- ❖ Tagging PLC I/Os to HMI
- ❖ Communication between PLC and HMI
- ❖ Centralized and decentralized I/O Configuration
- ❖ Operator console development for PLC using HMI
- ❖ HMI Programming using VI Composer
- ❖ Set-up and function of Remote controller using SCADA tool
- ❖ Networking PLCs with SCADA tool
- ❖ Engineering console for a process in a remote station
- ❖ Remote panel development using WIN Studio
- ❖ Data backup and data restoration

Learning targets

- ❖ Develop Programs for PLC and HMI
- ❖ I/O management between PLC and HMI
- ❖ Interfacing of PLC with HMI
- ❖ Automation System development using PLC and HMI
- ❖ Develop Programs for PLC and SCADA
- ❖ Developing front panel using winstudio S/W
- ❖ Interfacing of PLC I/O with winstudio S/W
- ❖ Automation System development using PLC and SCADA system
- ❖ Remote monitoring and control using SCADA