WORKSHOP SUMMARY REPORT

ONE DAY WORKSHOP ON ELECTRICAL AUTOCADD AND PLC SCADA

On February 18th, 2017, School of EEE, REVA University hosted a one day workshop on ELECTRICAL AUTOCADD AND PLC SCADA at Kuvempu Auditorium, Main block.

The purpose of the workshop was to give an insight for the students about Auto CADD Electrical software and the automation techniques using PLC SCADA. About 200 students and faculties have participated in the workshop and made use of the opportunity.

The workshop was inaugurated by Pro Vice Chancellor Dr. S.Y. Kulkarni. During his inaugural address he had stressed upon the need of knowledge on automation using PLC SCADA system. Dr. Rajesh Siddavatam, Pro Vice Chancellor also addressed the gathering and highlighted the importance of electrical autocadd and PLC SCADA to be used during the research work. Dr. B.P. Divakar, Dean Research & Innovation, had addressed the students and stressed upon the usefulness of PLC SCADA system in the future projects. Dr. Rajashekar P. Mandi, Director School of EEE welcomed the gathering. While delivering welcome address he had highlighted about the need of PLC SCADA system for future automation system and informed the students to give two page report on the program for which best two reports will be awarded. Mr. Amit Gogi, Business Head, LIVEWIRE given importance of electrical autocadd and PLC SCADA for the...
students in their curriculum improvement during his address. Finally Prof. Raghavendra G., Assistant Professor delivered vote of thanks.

The first session started at 9.30 am by Mr. Mahesh Pradhan from LIVEWIRE, Chennai. AutoCAD Electrical is a CAD software for electrical designers and engineers. It is a widely used software for creating electrical and electronic diagrams, schematics, and control circuit diagrams and documentation. AutoCAD Electrical comes with powerful drafting tools for controls and schematic design. Its rich repository of symbol libraries helps designers increase their productivity in electrical design tasks.
Students of AutoCAD Electrical are hired mainly for designing electrical circuits. All engineering industries including aerospace, automotive, chemical, construction, defense, electronics, consumer goods, marine, materials & metals, oil & gas, pharmaceuticals, power generation, rail, telecom, and utilities are major employers. Some of the companies are GE, ABB, HOSMAC India Pvt. Ltd etc.

The afternoon session started at 2:00 pm on PLC and SCADA.

A Programmable Logic Controller (PLC) is an industrial computer control system that continuously monitors the state of input devices and makes decisions based upon a custom program to control the state of output devices. It is used primarily in automation of industrial electromechanical processes, such as control of machinery on factory assembly lines, amusement rides, or light fixtures. PLCs are designed for multiple arrangements of digital and analog inputs and outputs, extended temperature ranges, immunity to electrical noise, and resistance to vibration and impact. Job opportunities Automation Engineer, PLC Program Developer, PLC operator, Field Area Control Engineer, Maintenance Engineer, Application Engineer, Panel Board wiring Engineer. Companies using PLC/SCADA are Innospace Automation Services Pvt. Ltd, Netplace Technologies Pvt. Ltd, Intellexus System Pvt. Ltd, Xilinx Asia Pvt. Ltd.

The Validictory function was at 3.30 pm with feedback by the students.