

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION

MAIN PROJECT 2005-2009

1. P05 – 01 Combustion control using DCS
2. P05 – 02 Automated meter reading
3. P05 – 03 Burner management system
4. P05 – 04 Flow controller
5. P05 – 05 Bagging control system using PLC
6. P05 – 06 Automation of 6000TPD cement grinding plant
7. P05 – 07 Temperature control of transformer
8. P05 – 08 PLC & SCADA implementation of HCI over interlocking
9. P05 – 09 Boiler safety interlock system using PLC

MAIN PROJECT 2006-2010

1. P06 – 01 Vibration monitoring using LabVIEW
2. P06 – 02 Fuzzy Logic Based Traffic signaling
3. P06 – 03 5 axis Robotic Arm
4. P06 – 04 Boiler instrumentation & Control
5. P06 – 05 Interlocking of main air blower
6. P06 – 06 CO boiler shutdown using PLC
7. P06 – 07 Sphere interlock using PLC
8. P06 – 08 Design & Implementation of TG-Interlock using PLC
9. P06 – 09 Study & design of PLC & SCADA system for ammonia handling & storage plant
10. P06 – 10 SCADA based factory monitoring System
11. P06 – 11 Factory automation
12. P06 – 12 Safety interlock of main air blower
13. P06 – 13 Design of instrumentation & control strategy for melting plant.

MAIN PROJECT 2007-2011

1. P07-01 PC Automated system for Rock powder extraction in phosphoric acid plant
2. P07-02 Chemical Preparation & dosing
3. P07-03 Automatic control of air compressor K-5401 using PLC & Labview
4. P07-04 Automation of flaker system using PLC
5. P07-05 Automation of digester in chemical pulpmill
6. P07-06 Dryer outlet temperature control
7. P07-07 Khosla air compressor control using PLC
8. P07-08 Stepless capacity control system for reciprocating compressor
9. P07-09 Automation of conveyors using PLC & SCADA
10. P07-10 Interlock of CH223 heater using PLC

11. P07-11 CO₂ fire fighting system for generators & gas turbines using PLC.
12. P07-12 Interlocking of air dryer change over system using PLC.

MAIN PROJECT 2008-2012

1. P08-01 DTMF Based Level process station using LabVIEW
2. P08-02 Automation of hydrogen dryer using PLC
3. P08-03 Farm automation system using LabVIEW
4. P08-04 Automation of latex compounding system with touch screen interface
5. P08-05 Digester batch process automation using DCS.
6. P08-06 PLC & SCADA based gas analyser.
7. P08-07 Blowpot & chlorinator batch process automation using DCS.
8. P08-08 Implementation of boiler drum level control system using yokogawa DCS Centum3000
9. P08-09 Remote acquisition of water gauge reading using OCR programming in labVIEW & GSM
10. P08-10 Cell temperature monitoring & controlling
11. P08-11 Industrial automation & process control for Bagasse based Cogen plant using DCS.
12. P08-12 Ph Measurement & control using LabVIEW
13. P08-13 Automation of HCl plant using PLC & SCADA
14. P08-14 PLC based hot air generation unit design for calciner.
15. P08-15 Automation of Redwood viscometer using LabVIEW
16. P08-16 PLC based boiler management system