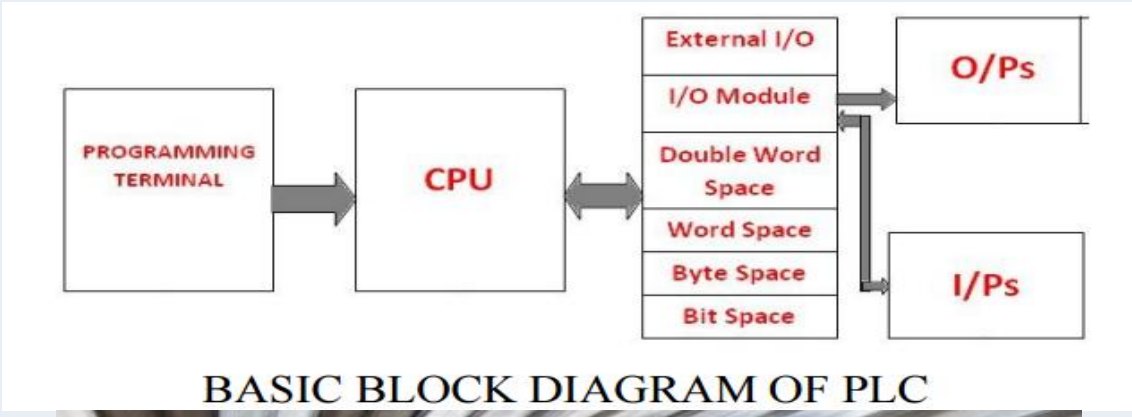
SKR ENGINEERING COLLEGE
Nazarathpet, Poonamallee, Chennai-600123

Department of Electrical and Electronics Engineering

PROJECT TITLE	RAILWAY TRACK MANAGEMENT USING PLC & SCADA
STUDTENT NAMES	**ANTU KUMAR** **AVINASH THAKUR** **SUBASH KUMAR**
SUPERVISOR	**Mr.R. RAJARAJAN, ASSISTANT PROFESSOR**
OBJECTIVE	To detect the cracks present in the railway tracks To change the track when any crack is detected to ensure safety To control the train and track by scada Reschedule of trains
ABSTRACT/IDEA	It is based on industrial uses and for controlling procedure of manufacture in industries. In this we use PLC for controlling inputs and SCADA. Now these days PLC and SCADA is widely used in industries because of its electrical power standard by the using of PLC we can control outputs devices and can be able to operate automation by the programming in this module. This PLC module can work at both analog and digital inputs. So we can use digital/analog input in this PLC and working going on easily. We use here SCADA also by using of this we can supervising whole physical process in field at monitor and can also manually control from computer using SCADA. In this SCADA interface with PLC and both work by the synchronizing data and value from inputs to the PLC or PID.
TECHNOLOGY USED	PLC SCADA
WORKING STEPS	Ladder logic program Design of tracks
REQUIREMENTS	PLC SOFTWARE SCADA SOFTWARE

BENIFITS	1. DETECT CRACKS 2. DETECT OBSTACLES 3. RESCHEDULING 4. SAFETY & CONTROL OPERATION

SCREEN SHOTS



BASIC BLOCK DIAGRAM OF PLC