Project Details

(To be filled by the student at the end of Week 1 – after discussion with PS-1 Faculty & Industry Mentor)

Title of Project:

WIRELESS VIDEO DATA TRANSMISSION

Mentor Details:

Name: Adityapratap Singh

Role: Product development Engineer, Eclipse Instrumentation Pvt Ltd.

Skill Set Requirements:

Basic knowledge regarding Networking and Electronics.

Project Outcomes:

Will get experience in Identification and modification of the existing system to meet project needs like low latency, Good data rate , low power consumption, scalable size, long range,etc.

Project Description:

As the technology progresses, wired systems are being replaced by wireless solutions to make installation's easier and cost effective, wireless video transmission is one of such technologies and finding out the correct system for the given specifications and if required then modifying it to our needs is the task of this project.

Project Work Plan

(Weekly Plan)

Week 2- Identifying the various technologies available and comparing them

Week 3- Finding the technology most suitable for use , with given set of requirements

Week 4 and 5- Modifications to the system as per requirement's

Week 6- Finding the compatibility of the technology for the upcoming future needs

Major Project Milestones

Will get to learn various technologies such as WiFi networks, LAN, IP connectivity, Mirroring, Hardware Modifications, etc.