AGILE SOFTWARE DEVELOPMENT

Agile development methodology provides opportunities to assess the direction of a project throughout the development lifecycle. This is achieved through regular cadences of work, known as sprints or iterations, at the end of which teams must present a potentially shippable product increment.

The main priciples of Agile methodology are

- Customer Involvement.

- Pair programming.

- Refactoring.

- Incremental development.

In our project we are going to use Agile methodology for project management

Customer Involvement

Gau Gas systems are using by many people in various parts of our country like Tirupati nad gujarat.

We had an offical meeting with the Gau Gas team where we Explained our solution to current system problem .

Pair Programming

We have benn split into two teams where one team working with Arduino to make the controller board and the other will be working on SMS oriented solution and statistics display.

Incremental development

Gau Gas systems is a live working system our aim is to make it completely automation eliminating the manual interaction .

Refactoring

Improving objective attributes of code (length, duplication, coupling and cohesion, cyclomatic complexity) that correlate with ease of maintenance