I have divided the project into separate modules. There are three main modules, which are:-

1. Metering

2. Prepaid account management

3. Communication.

For all these modules we need to write some drivers for the different peripherals. Then we need to make some libraries which works on top of these drivers.

The drivers and libraries we need to write are:

|  |  |  |
| --- | --- | --- |
| **S.N** | **Driver** | **Library** |
| 1. | LCD, Toggle button | User Interface |
| 2. | ADC, EEPROM | Metering, RMS calculation |
| 3. | Relay, Timer, RTC | Account management |
| 4. | UART | Communication |
| 5. | EEPROM | Calibration |

I have written drivers for LCD, ADC and Timer, and have written library for Metering.

My work plan for next few days is:

|  |  |
| --- | --- |
| **Date** | **Work** |
| 21st and 22nd March | Accounting library |
| 23rd and 24th March | User Interface |
| 25th and 26th March | Calibration library |

By 26 or 27th March Metering and Prepaid Accounting modules will be completed. After that I will start working on the communication part. I would need some help in this part, in deciding the way of communication (RF or PLC).