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**Review 2** – 10 marks - 15 days

Refined Problem Statement / Specifications / first 50% implementation

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**Review 3** – 10 marks - 15 days

Second 50% implementation / Quantitative and Qualitative Results

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Evaluation: From 3rd week of May 2021

1. Refined Problem Statement - What is your proposed work to qualify and quantify with survey results?
   1. IOT Solution – Sensing / Actuation / Communication (3)
   2. Cloud and Analytics (2)
   3. UI (1)
2. Software Solution
   1. Data – dataset / database / files
   2. Algorithm – Parameters and Operations - Mathematical Model
   3. Programming Environment
      1. Platform Specifications – OS and specifications
      2. Programming Language – why?
      3. System Software – Compiler / Interpreter
      4. Packages
      5. Simulation / Emulation Tool and Packages
   4. Cloud Platform
   5. Analytics
   6. Performance Metrics
   7. Results – Tables and Graphs
3. Hardware Solution
   1. Development Board Specifications
   2. Processing Element Specifications – MPU or MCU
   3. Peripherals or components (sensor / actuator / input / output / communication / others)
      1. Working Principle
      2. Interfacing
      3. Pseudo code or logic or actual code for read and write
   4. Actual hardware snapshots
   5. Circuit connection snapshots
   6. Online simulation or emulation tool
   7. Results – Snapshots, Tables and Graphs
4. Cloud Platform
5. Analytics Platform
6. UI Design

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**Expo** – 10 marks - 1 day

Presentation (PPT), Poster\_Template, Demo and Video Recording

Scope for Funding / Copyright (Patent Filing) / TBI

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**Paper Draft** - 10 marks - 3 days

To present it or communicate to some conference or journal – to publish

Scope for collaboration (very useful and important)

**Major Outcomes of this 60 marks activity:**

**Review Paper 1 for publication / collaboration / fund / patent**

Combined Review-0 (Domain, Problem, Statistics and Problem Statement) and

Review-1 (Survey and Comparative Analysis of various solutions existing)

**Implementation Paper for publication**

Redefined Problem Statement

Software / Hardware Solution - Results

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