



**School of Computing**

**SRM IST, Kattankulathur – 603 203 Course**

**Code: 18CSC206J**

**Course Name: Software Engineering and Project Management**

<b>Experiment No</b>	12
<b>Title of Experiment</b>	Manual Test Case Reporting
<b>Name of the candidate</b>	<b>KUMARI HARSHITA</b>
<b>Team Members</b>	Nandavardhan, Harshita, Mahesh, Bhanu
<b>Register Number</b>	RA21110280100
<b>Date of Experiment</b>	

**Mark Split Up**

<b>S. No</b>	<b>Description</b>	<b>Maximum Mark</b>	<b>Mark Obtained</b>
1	Exercise	5	
2	Viva	5	
<b>Total</b>		<b>10</b>	

**Staff Signature with date**

**Aim**

To prepare the manual test case report for the <project name>

**Team Members:**

S No	Register No	Name	Role
1	RA2111028010043	Nandavardhan R	Rep/Member
2	RA2111028010060	Kumari Harshita	Member
3	RA2111028010056	Mahesh Reddy	Member
4	RA2111028010041	Bhanu Prakash	Member

<Manual Test Case Report to be incorporated >

<< Summarize the current status of the Testing>

<< present obstacles to proceed further >>

<< Seek help from stakeholders to remove obstacles/constraints>>

Category	Progress Against Plan	Status
Functional Testing	green	In-Progress
Non-Functional Testing	amber	In-Progress

Functional	Test Case Coverage (%)	Status
AI model	68%	Not started
Front End	84%	In-Progress
API integration	93%	In-Progress

**Obstacles faced while implementation:**

- 1. AI Model:** Lack of varied data, since power output and other factors depend on multiple factors, like the weather condition, condition of power generation equipment. The cost of equipment and varied geographical locations proves to be the biggest challenge
- 2. Front End:** Simultaneous UI design for naïve user and advanced user proves to be difficult, too much data and the UI look daunting and clutter for users, too little data and advanced users can't use the software properly

**Measures mitigate the obstacles:**

- 1. AI Model:** data from stakeholders such as power plant (Renewable) from varied geographical location, prevents overfitting of the AI model and provides better prediction results.
- 2. Front End:** Intensive back and forth with stakeholders such as power plant (Renewable) employees both advanced users and naïve users, with enough constructive feedback and iterative development, the UI can be made according to the stakeholders needs.

Result:

Thus, the test case report has been created for the “Your energy Our solution”