

# Capstone Project

## Project Diary

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| <b>Week No:-1</b>   |
| <b>Activities Planned:</b> <ul style="list-style-type: none"><li>• Deciding the <b>Domain for the Project.</b></li></ul>  |
| <b>Activities Executed:</b> <ul style="list-style-type: none"><li>• A good and effective domain was decided taking into consideration the following points:<ul style="list-style-type: none"><li>■ <b>Relativity</b> of the domain with the the course outcomes.</li><li>■ <b>Learning level</b> of the domain.(Easy, Intermediate, Expert)</li><li>■ <b>Scope</b> of the Domain.</li></ul></li></ul> |
| <b>Reason for delay(if any):</b> <p>The process was <b>not delayed.</b></p>   |
| <b>Corrective measures adopted:</b> <ul style="list-style-type: none"><li>• Did a thorough research on the domains.</li><li>• Took into consideration the learning levels and scopes of the domain.</li><li>• Referred various reading materials and YouTube videos related to the domains.</li></ul>   |
| <b>Remark and signature of guide:</b>   |

**Week No:-2**

**Activities Planned:**

- Deciding the **Definition of the problem.**

**Activities Executed:**

- Decision of the problem statement was done considering the following points:
  - **Accuracy and specificity** of the problem statement.
  - **Appropriateness** taking into consideration the desired **Course Outcomes.**

**Reason for delay(if any):**

The process was **not delayed.**

**Corrective measures adopted:**

- Read various papers related to domain to study the problems faced.
- Discussed with the teacher to get some ideas.

**Remark and signature of guide:**

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| <b>Week No:-3</b>   |
| <b>Activities Planned:</b> <ul style="list-style-type: none"><li>● <b>Deciding the Problem statement</b> and its relevance with the selected domain.</li></ul>  |
| <b>Activities Executed:</b> <ul style="list-style-type: none"><li>● Completed an effective <b>study of the domain</b>, the problem statement taking into consideration the further requirements of the project.</li></ul> |
| <b>Reason for delay(if any):</b> <p>The process was <b>not delayed</b>.</p>   |
| <b>Corrective measures adopted:</b> <ul style="list-style-type: none"><li>● Studying the domain.</li><li>● Searching for the opportunities and the problems faced in that particular domain.</li></ul>                    |
| <b>Remark and signature of guide:</b>   |

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| <b>Week No:-4</b>   |
| <b>Activities Planned:</b> <ul style="list-style-type: none"><li>● <b>Methodologies</b> for the execution of the project.</li></ul>   |
| <b>Activities Executed:</b> <ul style="list-style-type: none"><li>● <b>Deciding the complete pathway (methodologies.) required in the project.</b><ul style="list-style-type: none"><li>■ Here in our case the Hardware and Software that needs to be used.</li><li>■ Finalizing the Algorithms.</li><li>■ Also taking into consideration the resources that can be required while executing the project.</li></ul></li></ul> |
| <b>Reason for delay(if any):</b> <p>The process was <b>not delayed</b>.</p>   |
| <b>Corrective measures adopted:</b> <ul style="list-style-type: none"><li>■ Read various papers related to domain to study the decided topic to get an idea about the methodologies used.</li><li>■ Discussed with the teacher to get some ideas.</li></ul>   |
| <b>Remark and signature of guide:</b>   |

**Week No:- 5**

**Activities Planned:**

Making the systems ready.

**System Configuration.**

**Activities Executed:**

- Prepared the systems taking into consideration the IDE's required.
- System upgradation.
- Installing the applications required.

**Reason for delay(if any):**

The process was **not delayed**.

**Corrective measures adopted:**

Referred various YouTube videos and teachers opinions to know all the specifications required.

**Remark and signature of guide:**

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| <b>Week No:- 6</b>  |
| <b>Activities Planned: Execution of the project. Developing the Model</b><br><br><b>(First Part)</b>  |
| <b>Activities Executed:</b> <ul style="list-style-type: none"><li>• Started developing the project. That is started training the model.</li></ul> |
| <b>Reason for delay(if any):</b><br><br>The process was <b>not delayed</b> .  |
| <b>Corrective measures adopted:</b><br><br>With the help of the teacher read the algorithms to and tutorials required to Develop the Model        |
| <b>Remark and signature of guide:</b>   |

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| <b>Week No:- 7</b>   |
| <b>Activities Planned:</b> Execution of the project.<br>(Second Part)  |
| <b>Activities Executed:</b> <ul style="list-style-type: none"><li>Analyzing the Software Part of Project. Then <b>started testing the model.</b></li></ul> |
| <b>Reason for delay(if any):</b> <p>The process was <b>not delayed.</b></p>  |
| <b>Corrective measures adopted:</b> <p>Implemented the <b>correct Testing model</b> with the help of the teacher and online tutorials.</p>                 |
| <b>Remark and signature of guide:</b>  |

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| <b>Week No:- 8</b>   |
| <b>Activities Planned:</b> Testing the working of the Model  |
| <b>Activities Executed:</b><br><br>Testing the working of the Model using various Method and checked the accuracy. |
| <b>Reason for delay(if any):</b><br><br>The process was <b>not delayed</b> .                                       |
| <b>Corrective measures adopted:</b><br><br>Gave various method to check the working of the Model                   |
| <b>Remark and signature of guide:</b>  |



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| <b>Week No:- 9</b>  |
| <b>Activities Planned:</b> Preparing the <b>Proposal, Project Report and the Diary</b> of the Capstone Project.   |
| <b>Activities Executed:</b> <ul style="list-style-type: none"><li>• Prepared the proposal and the project report by summarizing 3 Research papers published related to our topic.</li></ul> |
| <b>Reason for delay(if any):</b><br><br>The process was <b>not delayed</b> .  |
| <b>Corrective measures adopted:</b>   |
| <b>Remark and signature of guide:</b>   |