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| **SHARDA University**  C:\Users\Kanika\Desktop\Sharda-University.jpg |
| Student Project Diary: Session : 2024-2025 Course Name : Project-1 Course Code : CSP495 |
| Title of The Project: Lane Detection using Deep Learning and Digital Image Processing |
| Name of the Student: Abhishek kumar  Roll No. : 210101028  System ID : 2021332922  Email id: 2021332922.abhishek@ug.sharda.ac.in  Contact No. : 9514344791  Name of the Guide: Ms. Gunjan Aggarwal |
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**Project Title: Lane Detection using Deep Learning and Digital Image Processing**

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| **Week** | **Date of Visit** | **Status of Task assigned during last visit** | **Remarks** | **Task to be carried out till next visit** | **Signature of Guide** |
| One | 07/03/2022 | Discussed some important key points related to project |  | Project approval and discussion of the project | Already approved for Evaluation-0 |
| Two | 18/03/2022 | Topic Finalization |  | Gather research paper on related topic | Already approved for Evaluation-0 |
| Three | 24/04/2022 | Literature Review |  | Research done on old methods | Already approved for Evaluation-0 |
| Four | 29/04/2022 | Information collected and also done with the ppt corrections. |  | Dependencies required for lane detection software. | Already approved for Evaluation-0 |
| Five | 4/04/2022 | Dependencies added |  | To prepare the final PPT for Evaluation 0 | Already approved for Evaluation-0 |
| Six | 11/04/2022 | PPT and synopsis approval from the guide. |  | Design the prototype of the model along with proper requirements specification. | Already approved for Evaluation-0 |
| Seven | 07/06/2022 |  |  | Gather research paper Monolithic Architecture |  |
| Eight | 13/06/2022 | Research done on Monolithic Architecture |  | Hands on Monolithic Architecture |  |
| Nine | 17/06/2022 | Monolithic Architecture done |  | Learning About MVC Model |  |
| Ten | 24/06/2022 | MVC on console completed |  | Learning About MVC on Servelets |  |
| Eleven | 1/07/2022 | MVC with Servelet and CRUD done |  | Learning About RESTfull services |  |
| Twelve | 19/07/2022 | Hands on RESTfull services |  | To prepare PPT for Evaluation-1 |  |
| Thirteen | 25/07/2022 | PPT completed for Evaluation-1 |  | Changes mentioned by guide |  |
| Fourteen | 29/07/2022 | PPT approval for Evaluation-1 done |  |  |  |
| Fifteen |  |  |  |  |  |
| Sixteen |  |  |  |  |  |
| Seventeen |  |  |  |  |  |
| Eighteen |  |  |  |  |  |
| Nineteen |  |  |  |  |  |
| Twenty |  |  |  |  |  |

**Name: Abhishek kumar Enrollment No.: 2021332922**

**Project Title: Lane Detection using Deep Learning and Digital Image Processing**

**Week No: 1 Date of Visit:** 07/03/2022

**Brief Description of task to be completed till next Visit:**

Discussed some key points related to our project and also specified the working areas of our project along with requirements specifications.

**Details of approaching the task and solving the task:**

Discussing the main key features of the project.

**Signature of Student Signature of Guide**

**Name: Abhishek kumar Enrollment No.: 2021332922**

**Project Title: Lane Detection using Deep Learning and Digital Image Processing**

**Week No: 2 Date of Visit:** 18/03/24

**Brief Description of task to be completed till next Visit:**

Finalized the project topic. This is a crucial step towards progress, indicating a clear direction for the project.

**Details of approaching the task and solving the task:**

Gather research paper on related topic.

**Signature of Student Signature of Guide**

**Name: Abhishek kumar Enrollment No.: 2021332922**

**Project Title: Lane Detection using Deep Learning and Digital Image Processing**

**Week No: 3 Date of Visit:** 24/03/2022

**Brief Description of task to be completed till next Visit:**

Conducted literature review on old methods. Good progress in research, laying the foundation for understanding existing approaches.

**Details of approaching the task and solving the task:**

Research done on old methods.

**Signature of Student Signature of Guide**

**Name: Abhishek kumar Enrollment No.: 2021332922**

**Project Title: Lane Detection using Deep Learning and Digital Image Processing**

**Week No: 4 Date of Visit:** 29/03/2022

**Brief Description of task to be completed till next Visit:**

Collected information and made corrections to the presentation. Progress seems steady, with attention to detail in presentation quality.

**Details of approaching the task and solving the task:**

Dependencies required for lane detection software.

**Signature of Student Signature of Guide**

**Name: Abhishek kumar Enrollment No.: 2021332922**

**Project Title: Lane Detection using Deep Learning and Digital Image Processing**

**Week No: 5 Date of Visit:** 04/03/2022

**Brief Description of task to be completed till next Visit:**

Added dependencies. Addressing dependencies is essential for project stability and functionality.

**Details of approaching the task and solving the task:**

To prepare the final PPT for Evaluation 0.

**Signature of Student Signature of Guide**

**Name: Abhishek kumar Enrollment No.: 2021332922**

**Project Title: Lane Detection using Deep Learning and Digital Image Processing**

**Week No: 6 Date of Visit:** 11/03/2022

**Brief Description of task to be completed till next Visit:**

Received approval on the presentation and synopsis from the guide. Moving forward with official approval is a significant milestone.

**Details of approaching the task and solving the task:**

Design the prototype of the model along with proper requirements specification.

**Signature of Student Signature of Guide**