Form B

**MIT School of Engineering**

**Department of Computer Science and Engineering**

**Viability Analysis Report**

(Filled by student and verify by guide)

**Date:17**/11/2024

**Class: TY AIA 4**

**Project Group ID: 11**

**Project Title:** Car Trajectory Prediction

**Project Title Evaluation Parameters:**

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| **Sr. No.** | **Parameters** | **Description About Project** |
| 1. | Business Ideas and Implementation from project Marks(10) | Implementing a startup that specializes in developing autonomous vehicle navigation systems using advanced car trajectory prediction algorithms, addressing the growing demand for innovative transportation solutions. |
| 2. | Market Survey (competitors, substitute products, potential market, etc.) Marks(10) | Conducting a market survey to identify competitors, assess substitute products, and evaluate the potential market demand for car trajectory prediction technology, informing strategic decisions and product development efforts. |
| 3. | Market Acceptability of Product Marks(5) | Assessing the market acceptability of car trajectory prediction products, focusing on autonomous vehicle navigation systems, through extensive market research and consumer feedback to demand and adoption potential. |
| 4. | Emerging Trends about Project and Product Marks(10) | Exploring emerging trends in car trajectory prediction technology to develop innovative products that enhance autonomous vehicle navigation systems, reflecting current market demands and technological advancements. |
| 5. | Income Generation ideas through Project Marks(5) | Creating income streams by offering car trajectory prediction technology for fleet management optimization, enabling logistics companies to enhance efficiency and reduce costs through optimized route planning and vehicle dispatching services. |
| 6. | Project Profitability Marks(5) | Assessing the profitability of implementing car trajectory prediction technology in autonomous vehicle navigation systems, considering factors such as development costs, market demand, and potential revenue streams from product sales and licensing agreements. |
| 7. | Cost Benefit Analysis Marks(5) | Conducting a cost-benefit analysis to evaluate the financial feasibility of integrating car trajectory prediction technology into autonomous vehicle navigation systems, weighing upfront investment against long-term benefits such as improved safety, efficiency, and market competitiveness. |
| 8. | Any Other Point | Exploring additional opportunities for leveraging car trajectory prediction technology, such as integrating it into smart city infrastructure for traffic management or incorporating it into ride-sharing platforms for enhanced route optimization and passenger safety. |
| **Remark:** | | |

Commercial Feasibility of project is evaluated based on the above parameters.

**Project Approval Status:** Approved / Not Approved

(Name & Designation of Examiner)

Signature with Date.