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| **Proposed Title of the Project:**  **Traffic Violation Reporting System (e-Challan)** |

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| **Group Members:**   |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Program (Morning / Evening): Evening\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Class (MCS / BSCS / BSSE): \_\_\_\_MCS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**   |  |  |  |  | | --- | --- | --- | --- | | **Student-Id** | **Name** | **Contact Number** | **Email Address** | | **EP-1851048** | **Summiya Zulfiqar** | **03369555045** | [**summaiya.sagitarius@gmail.com**](mailto:summaiya.sagitarius@gmail.com) | | **EP-1851001** | **Aamir Bashir** | **03469555045** | [**ak.shigri1@gmail.com**](mailto:ak.shigri1@gmail.com) |   **\* Write the name of Group Leader in the first row** | |

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| **Supervisor / Co-Supervisor / External Advisor:**   |  | | --- | | **Project Supervisor: \_\_\_\_\_\_Dr.Farhan Ahmed Siddiqui\_\_\_\_**  **Co-Supervisor (if any): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **External Advisor (if any): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **External Advisor’s Designation / Organization / Contact Number / Email Address:**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |
| **Sponsoring / Funding Organization (if any):**  **No** |

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| **Nature of Project (Research-based / Designing-based / Development-based):**  **Development- based** |

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| **Type of Project (Hardware / Software / Hybrid):**  **Software & Hardware both** |

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| **Description of Project:**  **(Use separate sheet(s), if required.)**  Our system replaces the task of manually entering the plate number of vehicle passing by automatic computer system. When the vehicles passes vehicle detector. Camera captures and stores the images. Its registration number is recorded and instantly checked against the database records. |
| **Abstract / Executive Summary of Project:**  **(About 200 – 300 words.) (Please write briefly about the main reason(s)/purpose(s) for doing this project, including the theme of project, need of your work for this project, your idea approaches for the completion of this project, and your opinion(s)/idea(s) about the possible achievement(s) during the conduct of this project and afterwards on completion.)**  Traffic Violation reporting System (e-Challan) is a hardware base application that helps the Traffic Police in verifying license status of a person who has violated the traffic laws by tracking vehicle on the spot Information related to the license holder is retrieved using Desktop-base Window Service. Furthermore, It will resolve the issue of fake licenses, which are being used by individuals, making police department more equipped to enforce rule of law.  The project will also help improve the quality of driving, create awareness regarding driving problems, improve traffic standards and effective traffic control or roads, and help decrease the accident ratio.  The project objectives are also aligned with the government’s efforts to curb the menace of corruption from public offices and make the service mechanism easy and transparent. |
| **Objectives / Deliverables of Project:**  **(About 200 – 300 words.) (Please Specify the tasks/objectives that you plan to achieve through this project, possible efforts/work that would be required for achieving the target, and the deliverables that you would be having at the end, for example a prototype, a simulation, an algorithm or a design, etc.)**  When a vehicle passes vehicle detector fitted before signal pole, camera captures the image and its registration number is read and instantly checked against database records of vehicle. A record of all vehicles that are breaking signals is stored. Records are shared to police department for further enquiry. Following hardware devices would be required to achieve this system:   * A Vehicle detector. * A Camera.   Following tasks would be required to achieve this system:   * Develop software that extract plate number of a vehicle from captured image and read data from database against that number. * Store records of captured vehicles in database. * Share records with police department. |
| **Possible Beneficiaries of Project:**  **(Please briefly specify, who will be the direct and indirect beneficiaries of the proposed project; also mention how.)**  The direct beneficiaries of this system will be police department because they will take action against a person who has violated the traffic laws.  The indirect beneficiaries of this system will be common people because this system will create awareness regarding driving problems and help decrease the accident ratio. |

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| **Management of Project & Gantt Chart:**  **(Please mention the break-up of your proposed work into the number of possible tasks in the proper sequence. Design the Gantt Chart to mark the time-lines, also marking key mile-stones, deliverables, etc.)**  The following structured sets of activities are required to develop the prototype of system:   1. Specification and analysis. 2. System Design 3. System implementation 4. System testing |
| **Gantt Chart:**  **(May be submitted on the separate sheet.)**   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Tasks** | **August** | | **September** | | **October** | | **December** | | **January** | | | **Searching idea** |  |  |  |  |  |  |  |  |  |  | | **Design** |  |  |  |  |  |  |  |  |  |  | | **Prototype** |  |  |  |  |  |  |  |  |  |  | | **Coding** |  |  |  |  |  |  |  |  |  |  | | **Report Writing** |  |  |  |  |  |  |  |  |  |  | |

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| **For office use only**  **Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Approved / Approved with minor changes / Approved with major changes / Rejected**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Signature(s) of the member(s) evaluating the Proposal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |