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|  | **Title :** **Project Registration & Progress Review** | | **FF No. 180** |  |
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| **Department: Mechanical** | | **Academic Year: 2023-2024** | | | |
| **Semester: Seventh** | | **Group No.: 1** | | | |
| **Project Title: Autopilot Vehicle Braking System** | | | | | |
| **Project Area: Internet of Things (IoT)** | | | | | |
| **Group Members Details:** | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Sr. No. | Class & Div. | Roll No. | G.R.No. | Name of Student | Contact No. | Email ID | |
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| Name of Internal Guide: Prof. Dr. S. P Komble Contact No. & Email ID:   sachin.komble@vit.edu | | | | | | | |

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| Project approved / Not approved  **Guide Project Coordinator Head of Department** |

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**FF No** **180**

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| **Project Synopsis** |  |  |  |  |  |  |
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| Autopilot Vehicle Braking System is an innovative project that enhances automotive safety through autonomous braking. By integrating advanced sensors, the system monitors surroundings, autonomously engaging brakes based on real-time data and factors like obstacle proximity. Key features include adaptive and predictive braking, adjusting force and proactively anticipating hazards. Compatible with various vehicles, the system undergoes rigorous testing to meet safety standards, holding the potential to revolutionize road safety by reducing accidents and advancing autonomous driving technologies. |  |  |  |  |  |  |
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**FF No** **180**

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| Group No. | 01 | | |
| Activity | Review Schedule | Progress Review Report submitted | Signature of Guide |
| Review 1 | Mid Sem. Semester | Yes / No |  |
| Review 2 | End of Semester | Yes / No |  |

Format of Progress Review Report:

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| **Review No.: 1 Group No.: 1 Date: 05/09/2023** |
| **Progress Review Report**  **1. Selection of the topic.**  **2. Start doing literature review.**  **3. Collect required components for our project.**  **4. Build the table frame.** |
| **Signature of Guide:** |

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| **Review No.: 2 Group No.: 01 Date: 24/11/2023** |
| **Progress Review Report**  **1. Assemble the components of the project.**  **2. Fix the brake disc at middle of table.**  **3. Make proper arrangement of two servo motor, Arduino UNO and Ultrasonic Sensor.**  **4. Testing of model done by putting some objects in front of Ultrasonic Sensor.** |
| **Signature of Guide:** |