**2023-2024 SEMESTER**

**MECHANICAL ENGINEERING DEPARTMENT**

**GRADUATION PROJECT PROPOSAL FORM**

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| **Lecture Code: MEC 400** | **Lecture Name: Graduation Project** |
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| **Project Title / Number of Students:** | Cannon Barrel Vibration Isolation Caused by Moving Platform |
| **WORKS AND PROCEDURES TO BE DONE IN THE PROJECT****(Put the item number on the left and write it in order)** |
| **Item**1. Literature survey for Vibration Isolation technics.
2. Obtain mathematical modelling of the system
3. Analyze free and forced vibration of the system.
4. According to working condition get Frequency response of system.
5. Design isolator (active or passive).
6. Get performance result.
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| PROJECT AIMS |
| **Item**1. The project aims to design and implement a isolator to provide better shooting capability to military purposed cannon platform or artillery.
2. Determine the stability and performance of isolator (active or passive).
3. The students will develop all mathematical model.
4. The students will provide the required hardware & software.
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| **THE STUDENT TO WORK ON THE PROJECT** |
| Number | Name Surname | Signature |
| 1.2.3. |  |  |

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| **SUPERVISOR** |
| TitleAssist. Prof. Dr. | Name SurnameHikmet BAL | Signature |