**MARMARA UNIVERSITY**

**FACULTY OF ENGINEERING**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**ME4111/ME4011/ME411 EXPERIMENTAL METHODS IN MECHANICAL ENGINEERING**

**20\_\_-20\_\_ ACADEMIC YEAR FALL SEMESTER**

**LABORATORY REPORT FOR EXPERIMENT NO. 5**

**DESIGN OF AN EXPERIMENT FOR DETERMINING THE DAMPING RATIO OF A CANTILEVER BEAM BY USING THE LOGARITHMIC DECREMENT TECHNIQUE**

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| **Lab Section** |  |
| **Date of Report** |  |

**Report prepared and submitted by**

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| **Name Surname** | **Student Number** |
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1. **Introduction**
2. **Experimental Setup and Procedure**
3. **Theoretical Background and Calculation Details**
4. **Results and Discussion**
5. **Conclusions**

**References**