

 OSTİM TECHNICAL UNIVERSITY

**2023-2024 SEMESTER**

**ELECTRICAL-ELECTRONIC ENGINEERING DEPARTMENT GRADUATION PROJECT PROPOSAL FORM**

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| **Lecture Code: EEE400/411** | **Lecture Name: Graduation Project** |
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| **Project Title / Number of Students:** | Design A Single Phase Power Quality Meter Using PIC Microcontroller/Up to 5 Students  |
| **WORKS AND PROCEDURES TO BE DONE IN THE PROJECT****(Put the item number on the left and write it in order)** |
| **Itemq**1. Research Single Phase Power Quality Meter literature.
2. Define minumum circuit design requirements.
3. Select A Microcontroller and Use CCS C language to program it.
4. Write Software Codes.
5. Simulate circuit model in LTSPICE, PRTOTEUS, MATLAB vs.
6. Design and draw PCB.
7. Setup prototype circuits and RUN it.
8. Do revisions on your design.
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| PROJECT AIMS |
| **Item**1. Learning and practicing how to design an analog circuit.
2. Learning and practicing how to design a PCB.
3. Learning and practicing how to use simulation programs for electronic engineers.
4. Learning and practicing how to write an embedded software code.
5. Learning and practicing how to test an electronic board.
6. Learning and practicing how to revise a circuit.
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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 SurnameHüseyin KÖSE | Signature |