

**EE464**

**STATIC POWER CONVERSION-II**

**Term Project Simulation Report**

**Grup ismi**

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# Introduction

# Project Description

In this project, we are asked to design an isolated DC/DC converter in order to convert 220-400VDC input voltage to 12VDC with 100W output power. The specifications and requirement for the projects are following:

* Minimum Input Voltage: 220 V
* Maximum Input Voltage: 400 V
* Output Voltage: 12 V
* Output Power: 100 W
* Output Voltage Peak-to-Peak Ripple: 4%
* Line Regulation: 3%
* Load Regulation: 3%

# Topology Selection

# Analytical Calculations and Simulations

# Component Selection

# Power Losses

# PCB Design

# Conclusion