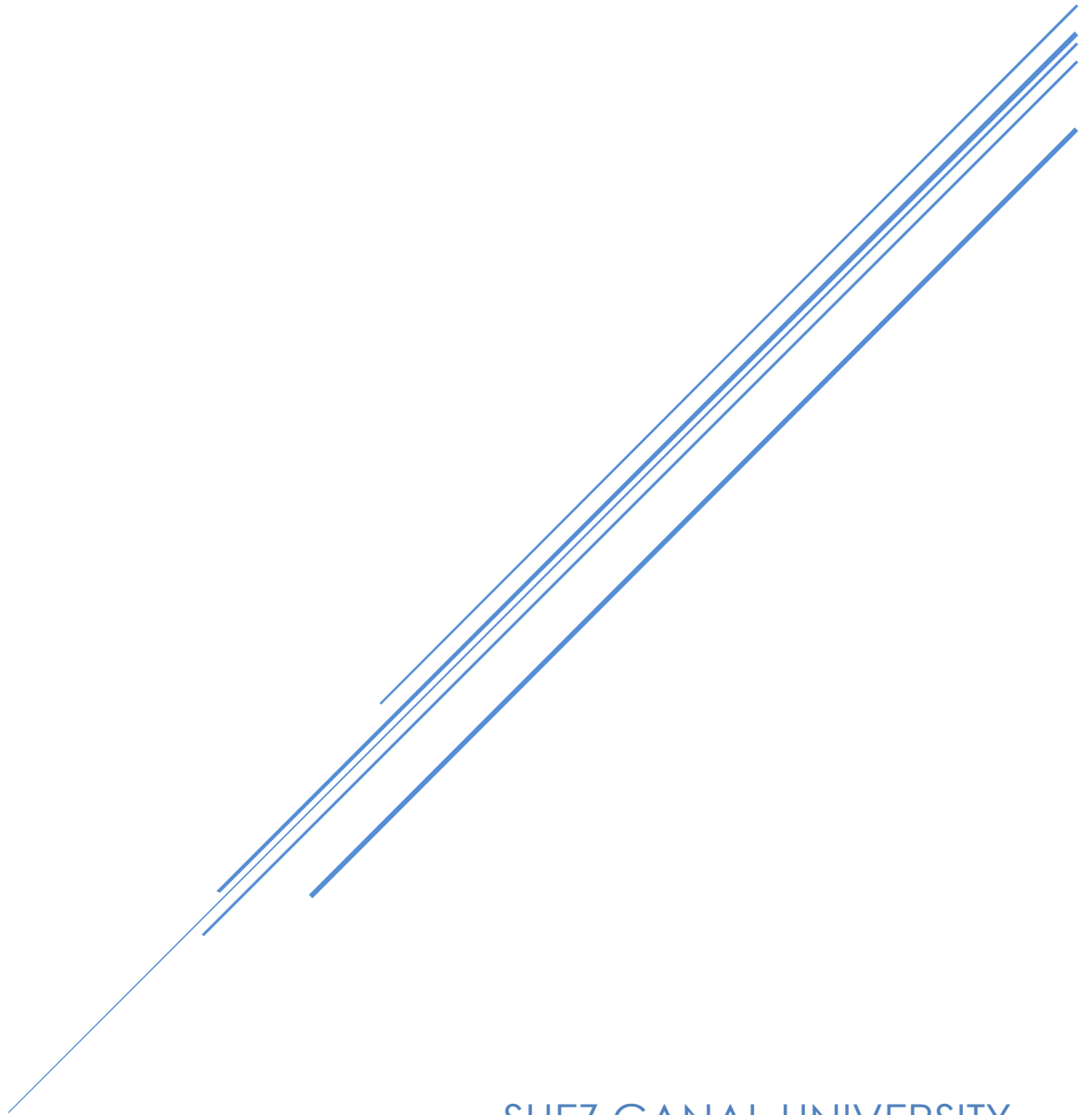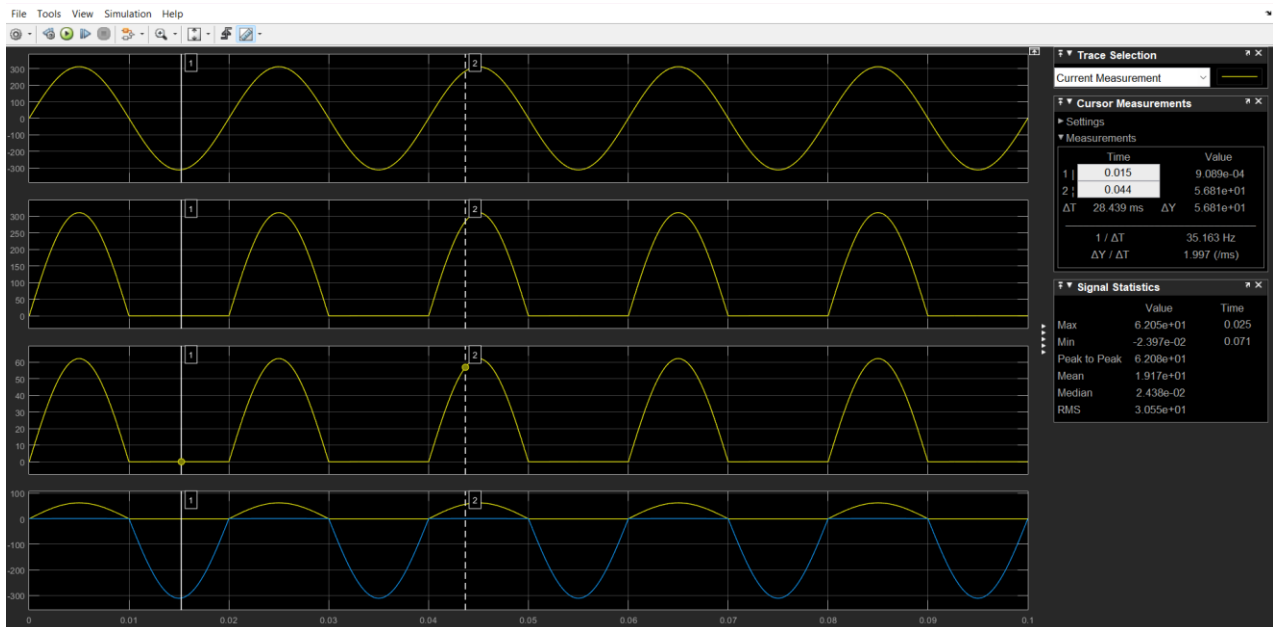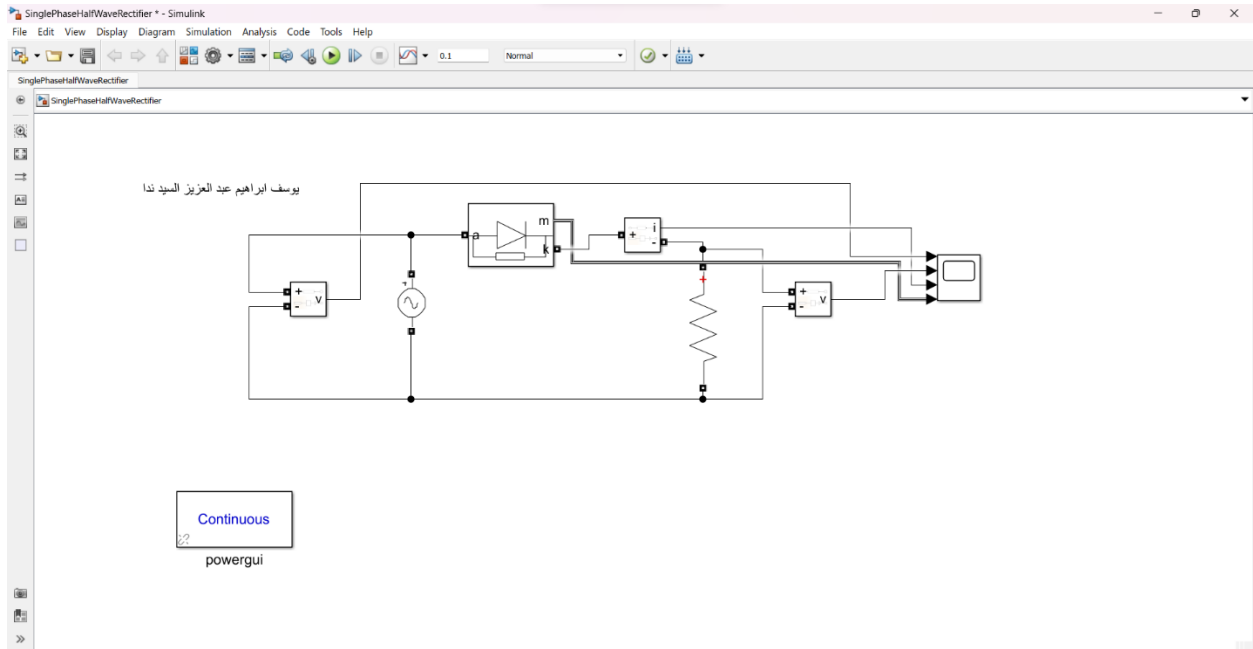# POWER ELECTRONICS MATLAB
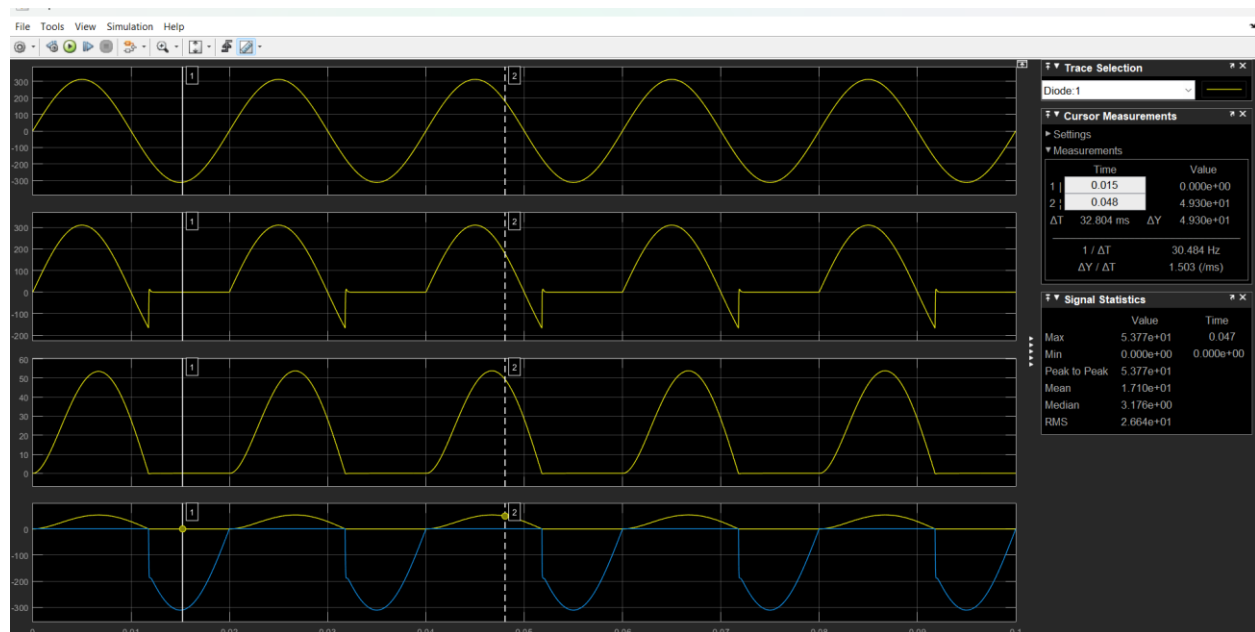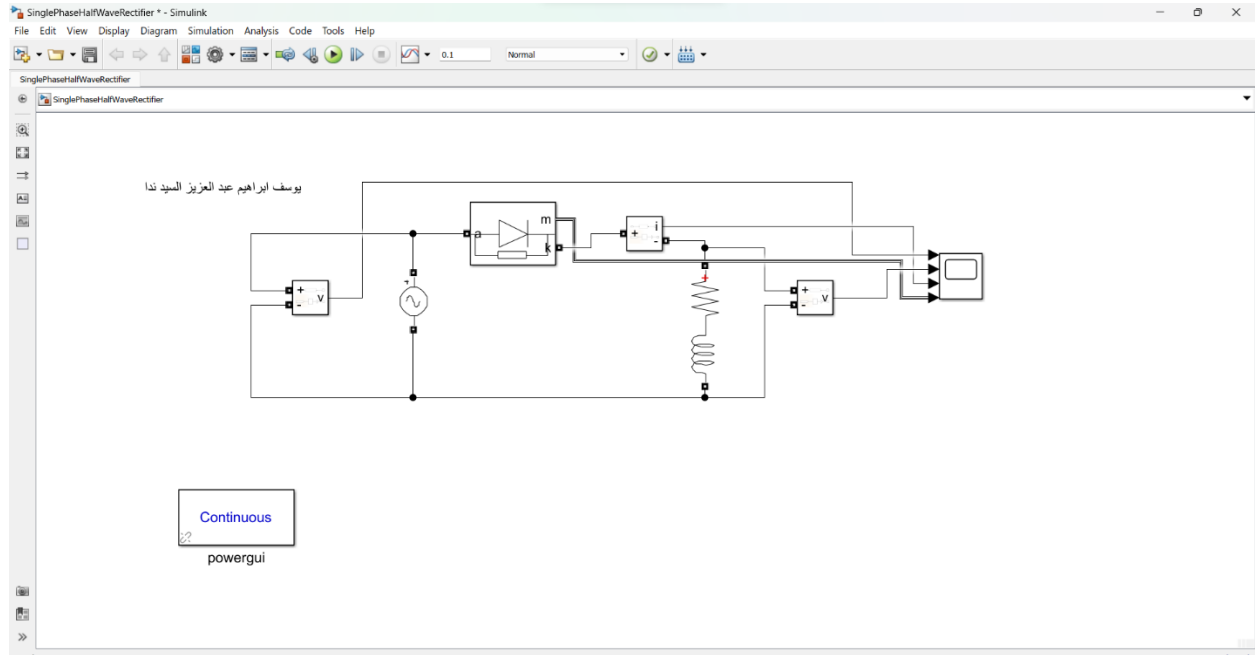
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Yossef ibrahim Abd El Aziz EL Sayed Nada

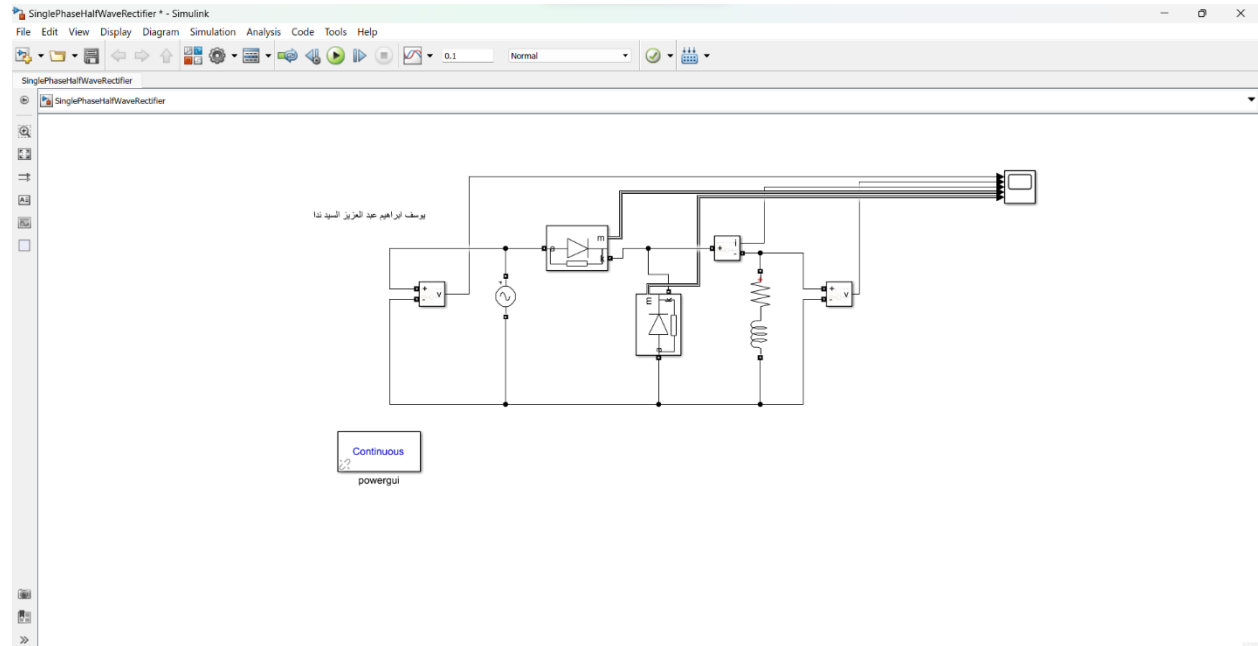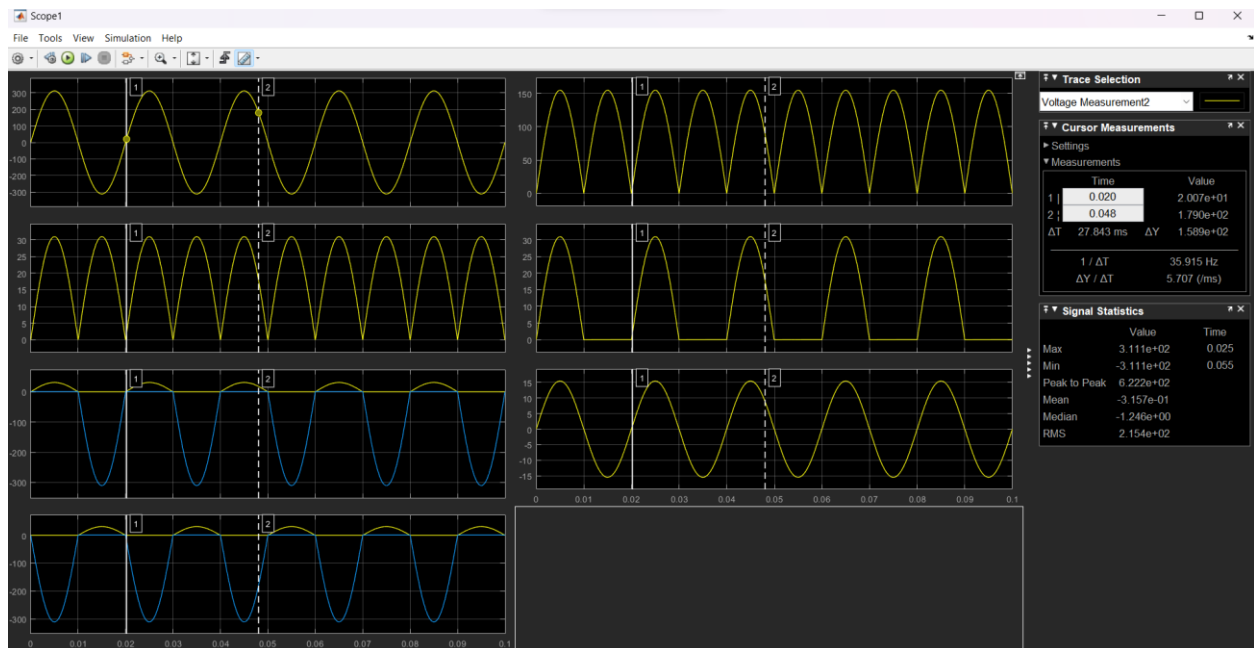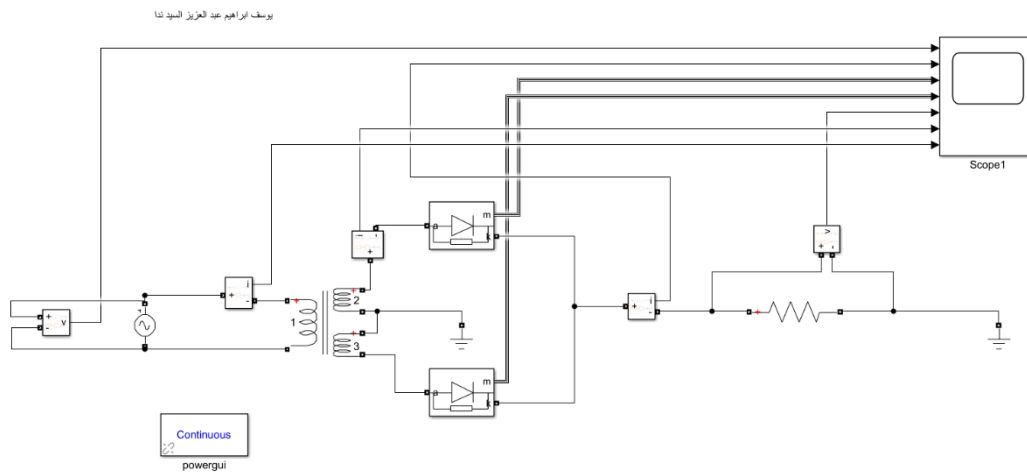## Single phase Half wave rectifier R_load:
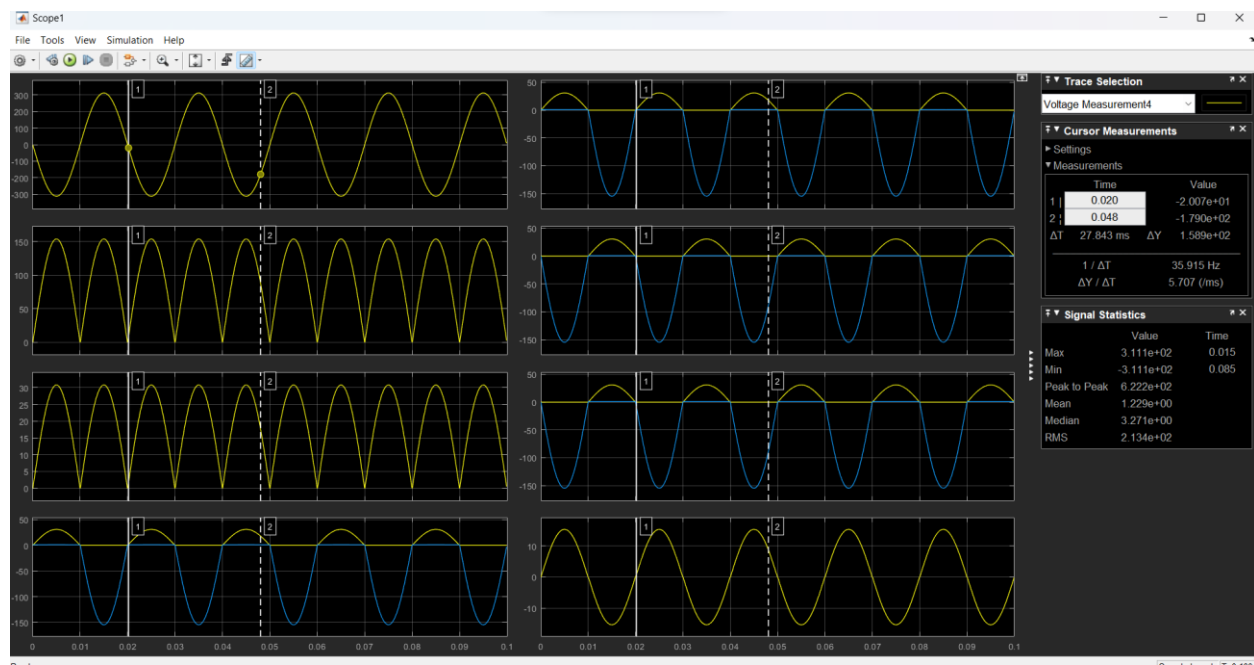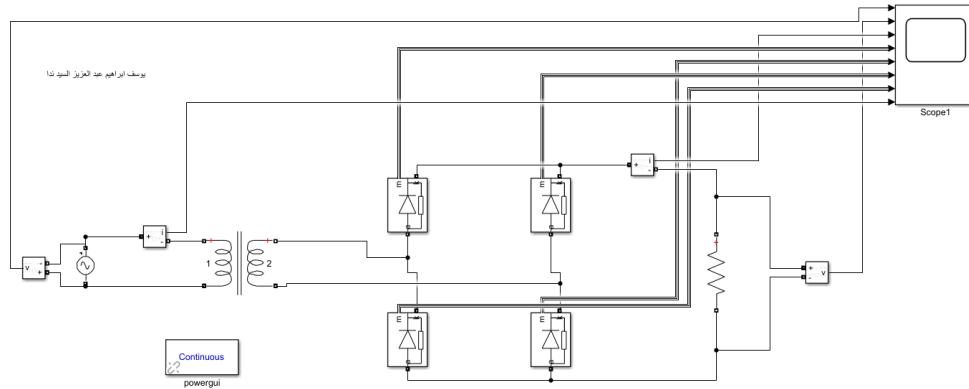
Single phase Half wave rectifier R&L_load:
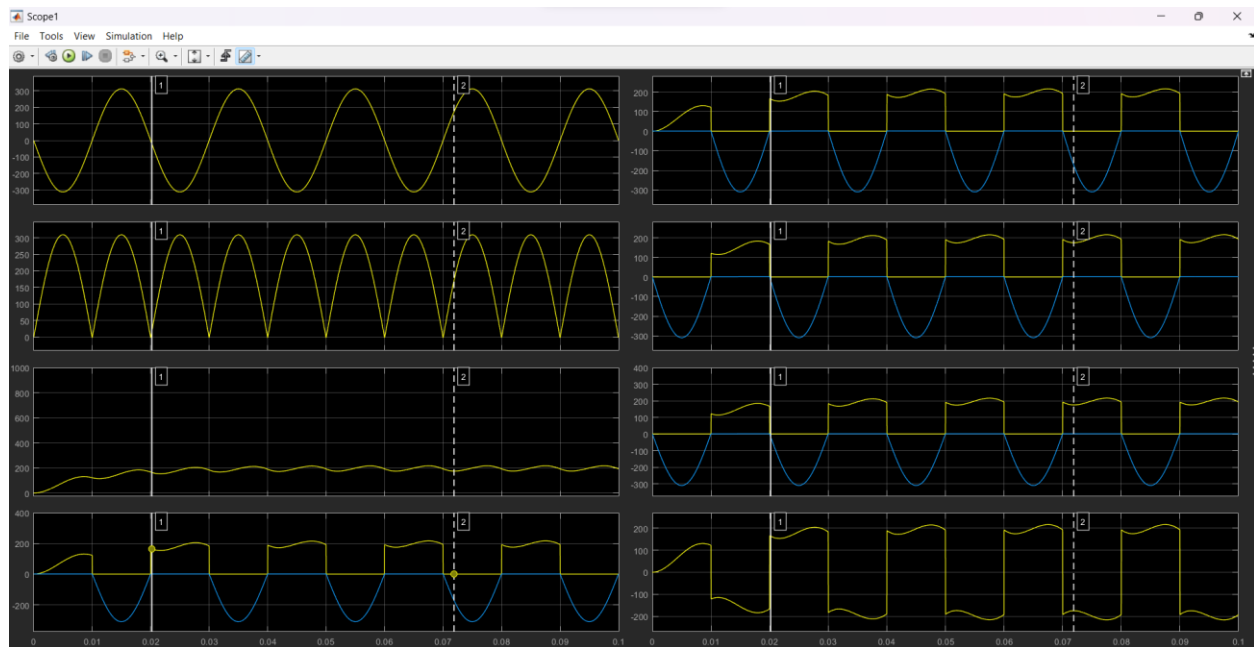
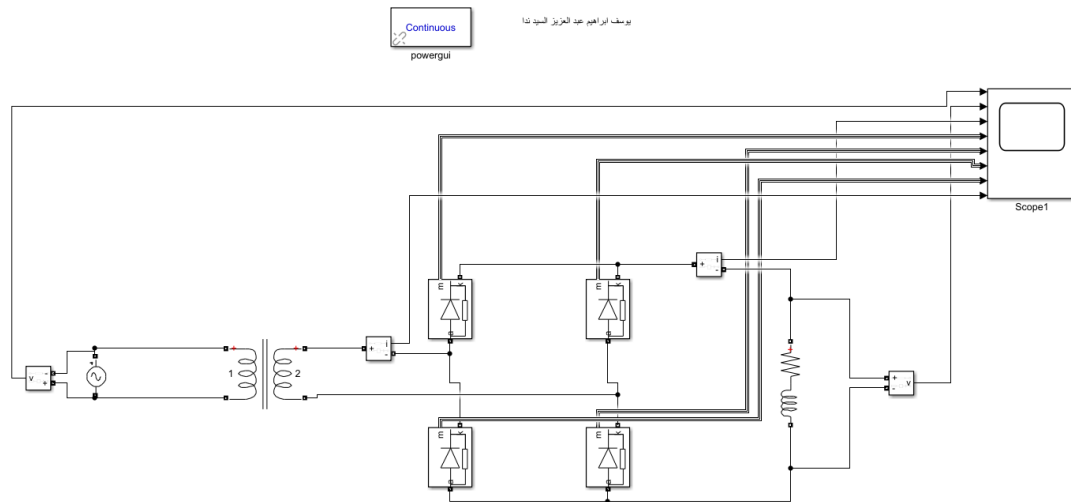# Single phase Half wave rectifier R&L_load + Free wheeling diode :

Single phase Full wave rectifier: Center tapped→ R_load:

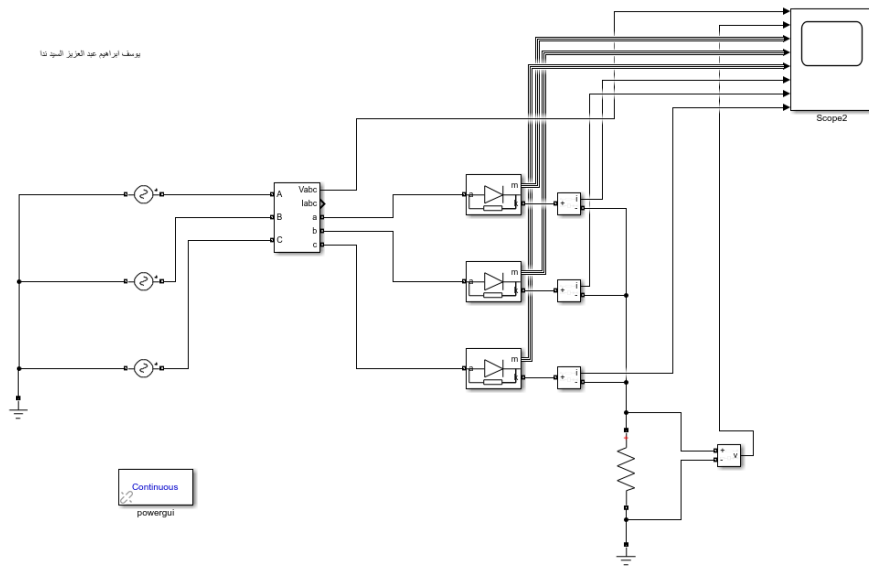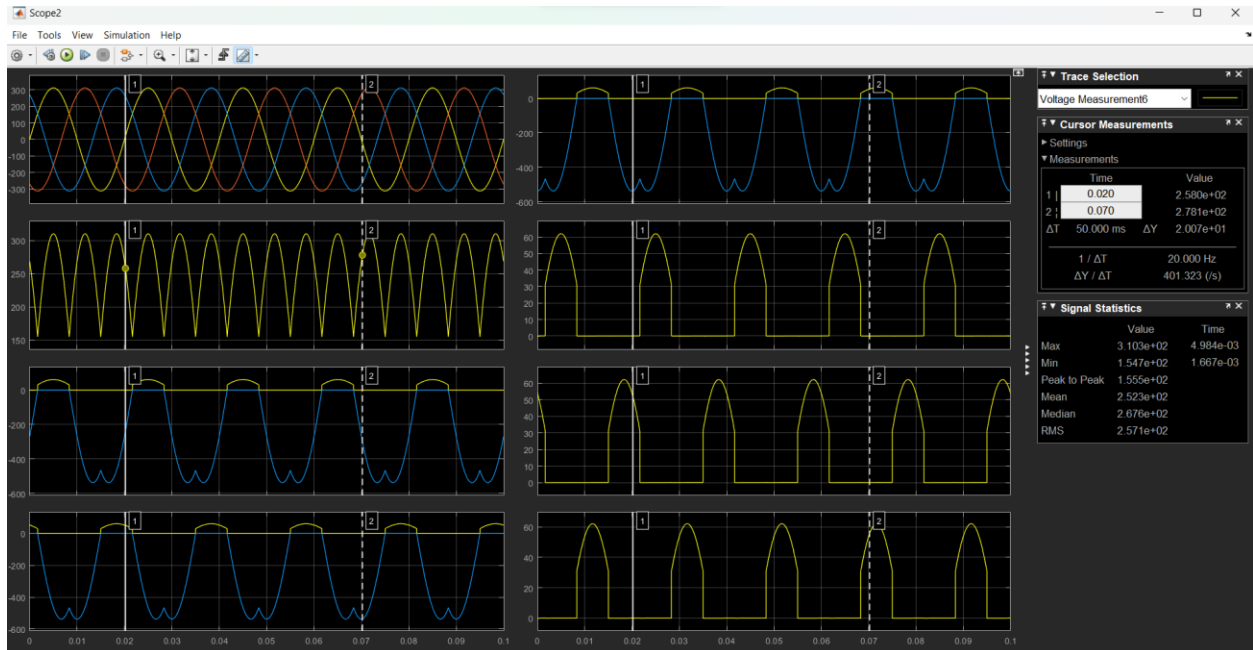Single phase Full wave rectifier: Bridge→ R_load:

Single phase Full wave rectifier: Bridge➔ R&L_load (Highly Inductive)

Single phase Full wave rectifier: Bridge➔ R&L_load (Highly Inductive)

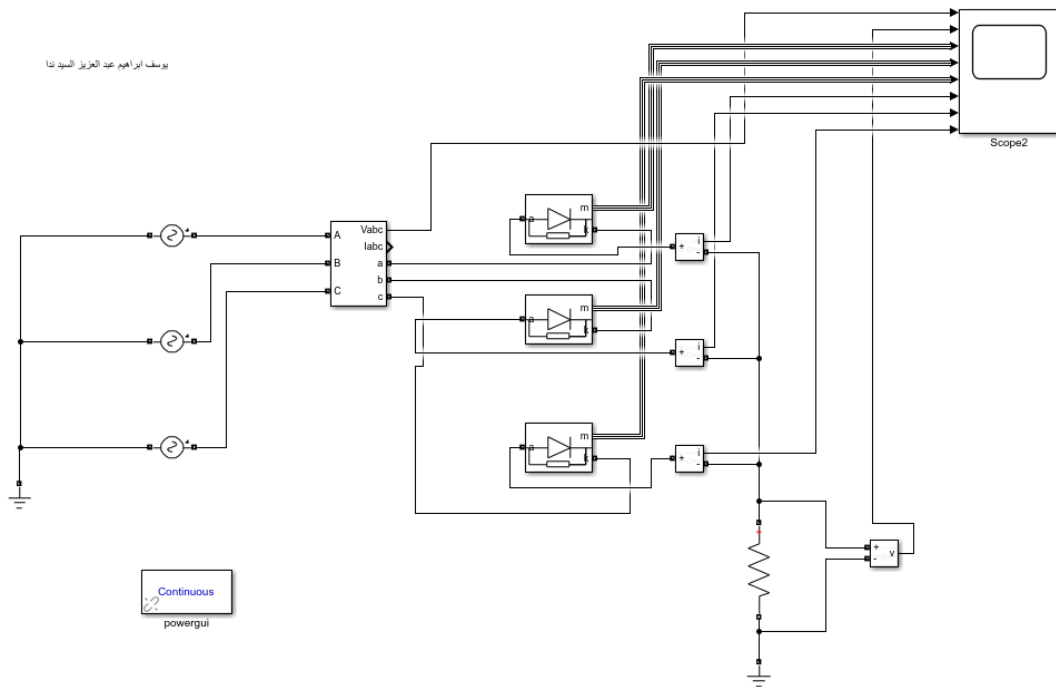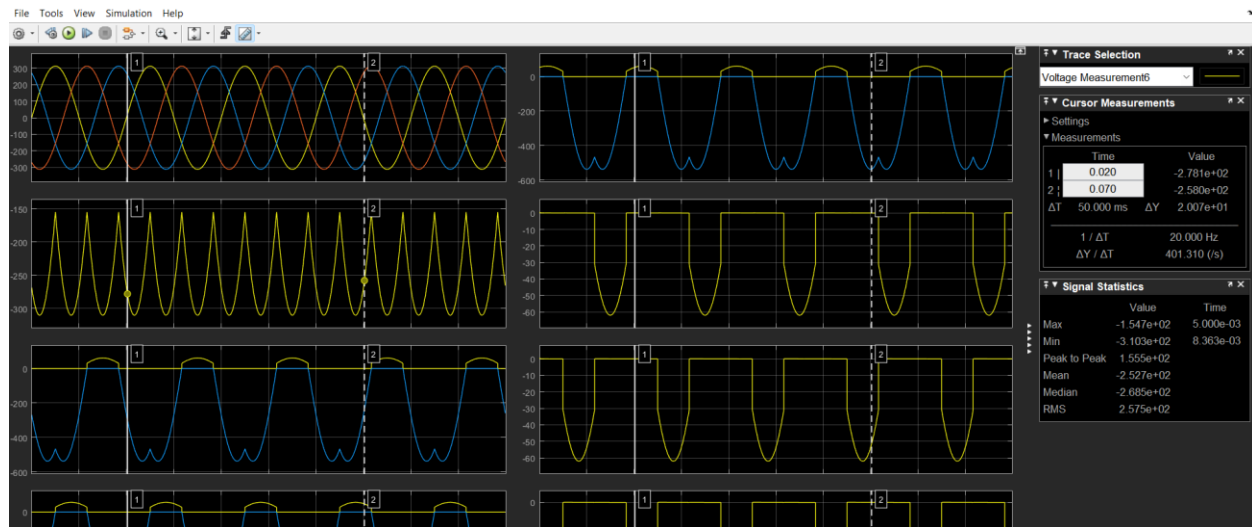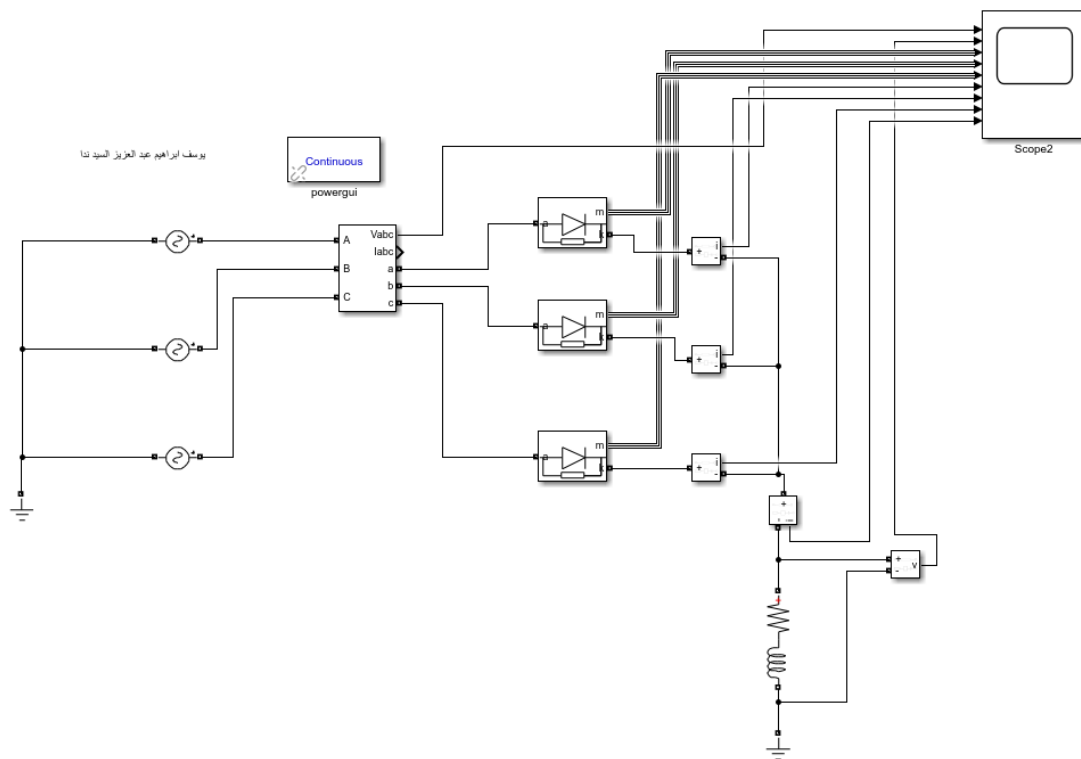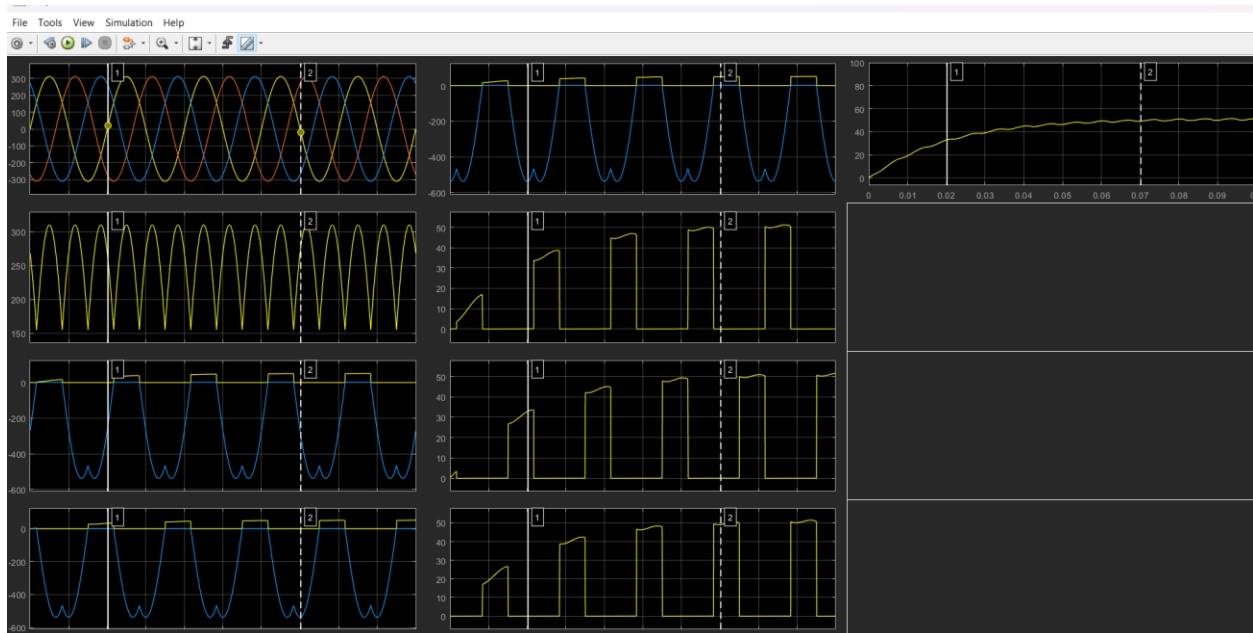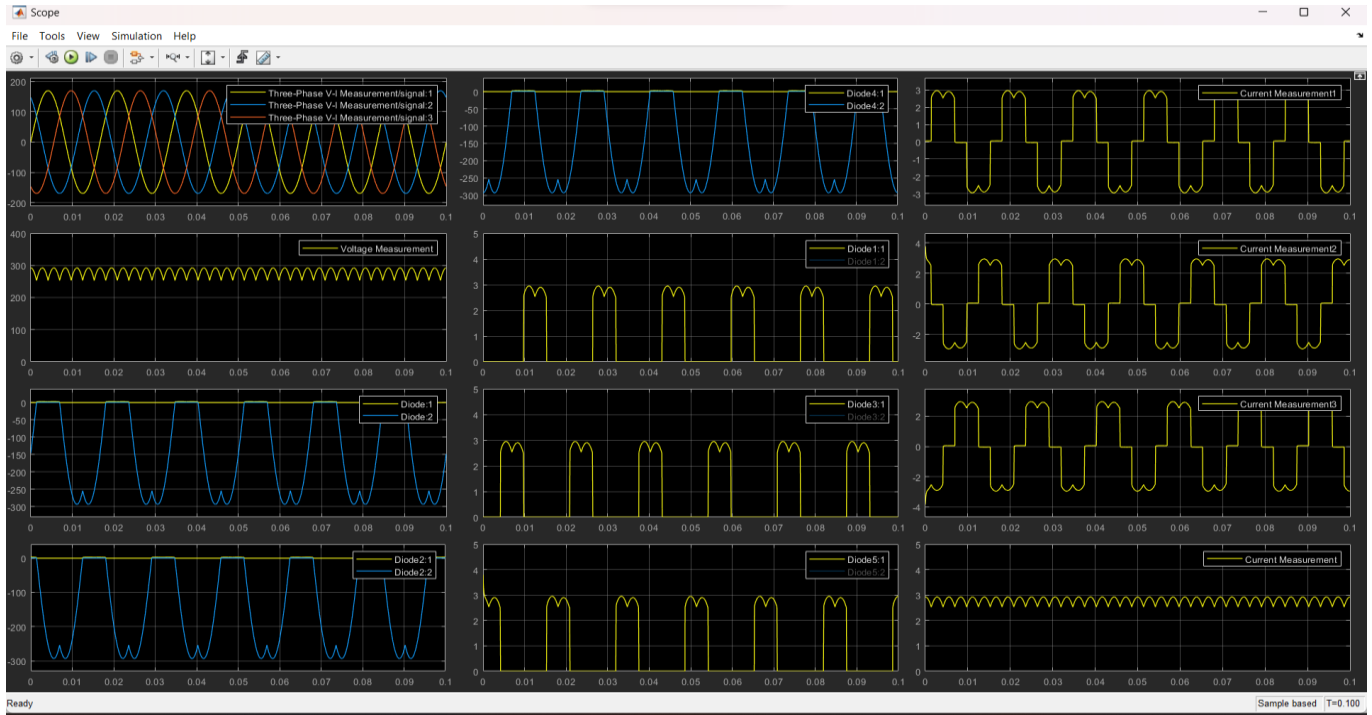# Three phase Half wave rectifier➔ R_load:
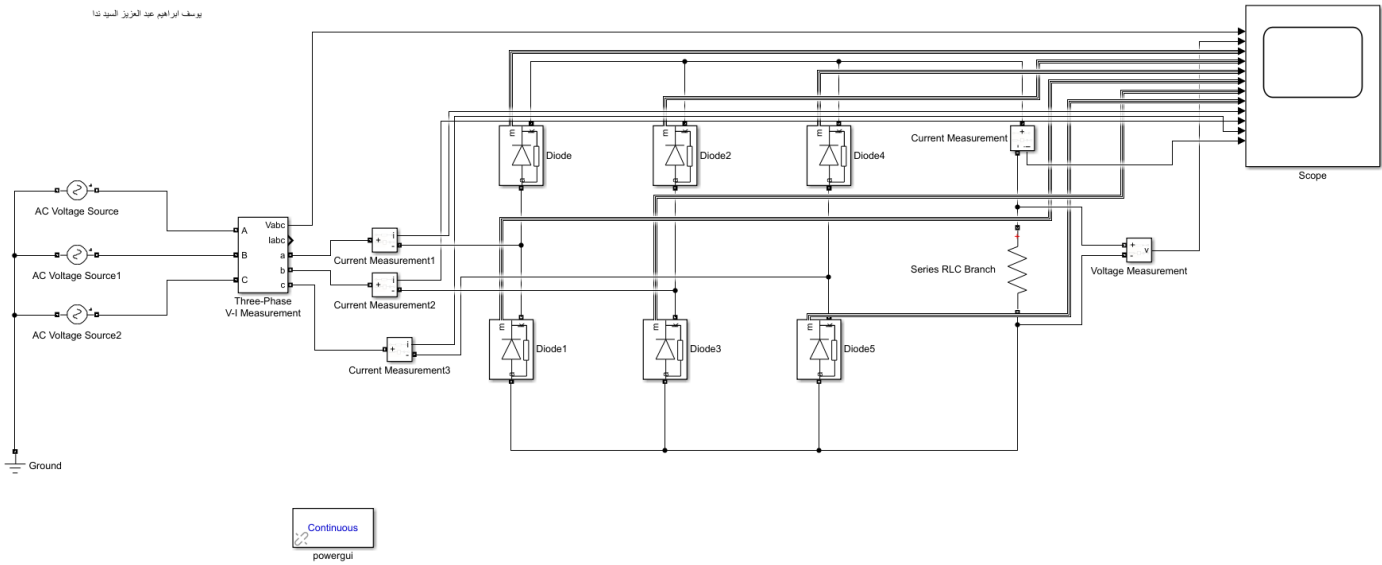
Three phase Half wave rectifier→ R_load (Reversed):

Three phase Half wave rectifier→ R&L_load (Highly Inductive):

Three phase Full wave rectifier→(Bridge) R_load:

Three phase Full wave rectifier→ (bridge) R&L_load:

Three phase Full wave rectifier→ (bridge) R&L_load: