



Module PMRF- PMRF-ISSS008/2024

Pulse Width Modulated Converters

Name of the PMRF student

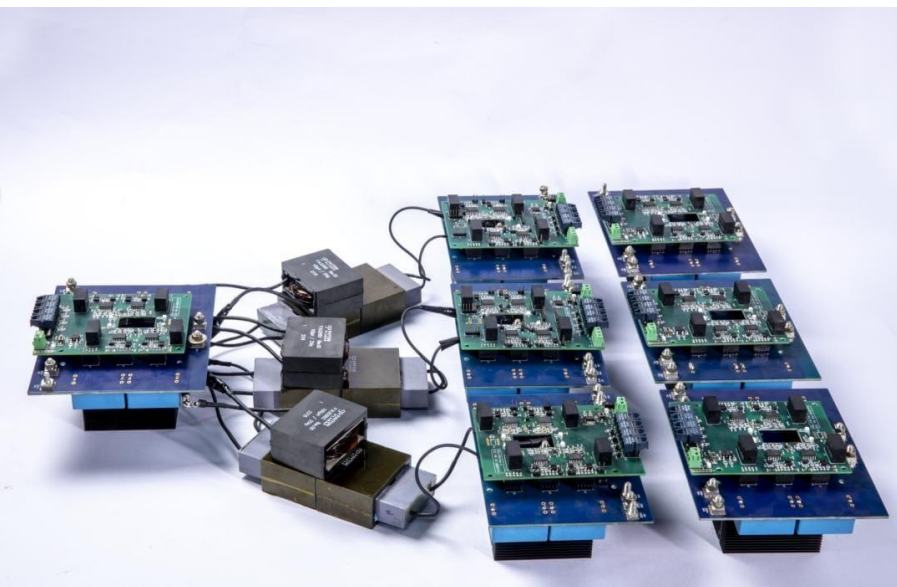
PROSEN DEY

Required background of the students taught

B.Tech/ M.Tech in Electrical Engineering.
Basic understanding of Power Electronics,
Network Theory is expected.

Online session coordinator

Will be chosen from the list of registrants



Details of the content of the module

This is an Advanced Power Electronics course designed for B.Tech/ M.Tech students of Electrical Engineering background.

Week 1: Pulse Width Modulation (PWM)-Low frequency and High frequency PWM

Week 2: Sine triangle PWM, Unipolar and Bipolar PWM

Week 3: Modulation of Active PWM Rectifiers

Week 4: Common mode Injection PWM

Week 5: Bus clamping PWM (Discontinuous PWM)-Continual and Split Clamp PWM

Week 6: Space Vector Modulation (SVPWM)

Week 7: Linear Modulation and Over Modulation

Week 8: Modulation of Multilevel Converters

Schedule of the module

Start Date: 17th February 2024

End Date: 30th March 2024 (Tentative)

Classes on: Saturday 2 PM to 4 PM

Meeting link : Will be shared later

Contact email ID: iss.forum@gmail.com

Registration link:

<https://docs.google.com/forms/d/1-Hz3FV9RPGMxf1ABgyqgKGWlxeIX9dS7H1AsDd0RN0A/edit>