



Module PMRF- **PMRF-ISSS169/VII/2024**

Advanced power devices characterization

Name of the PMRF student

Mehak Ashraf Mir

Required background of the students taught

Graduate course: EE,
ECE, Physics and other related
departments

Online session coordinator

Will be chosen from the list of registrants

Details of the content of the module

Week 1-2: Introduction to advanced characterization of power devices

Week 3-5 : DC and pulsed characterization

Week 6-7: High power pulse characterization

Week 8-10: Advanced RF test characterization

Week 11: Electroluminescence and photoluminescence spectroscopy

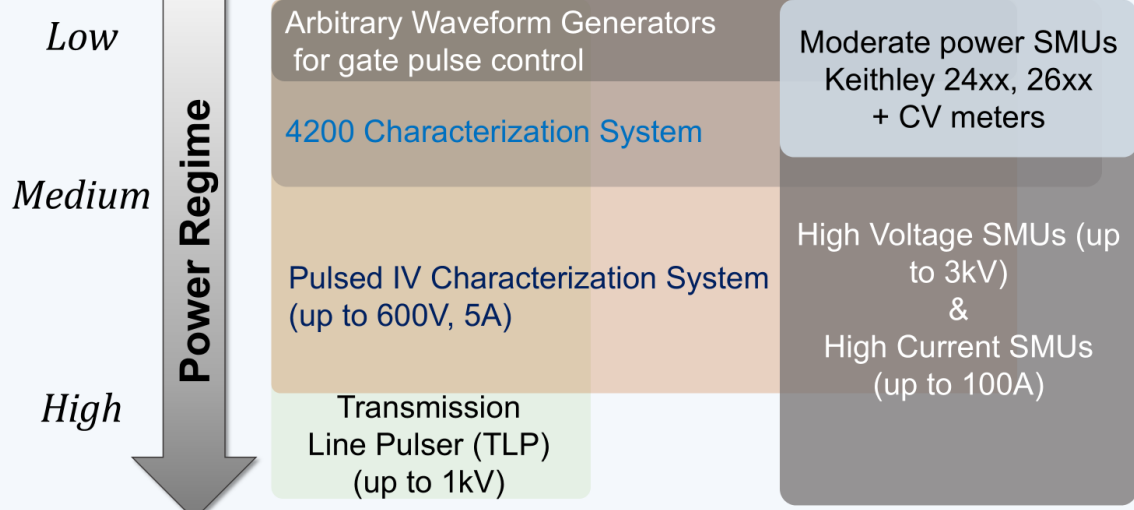
Week 12-13: Thermal imaging

Week 14-16: Trap characterization using DLTS

Week 17: Low temperature characterization

Electrical Measurement Capabilities

ns *μs* *Few ms - 10⁴s*
Timescales



Schedule of the module

Start Date: 2nd November 2024

Tentative End Date: 2nd February 2024

Day: Recorded Lectures will be uploaded every Saturday and Sunday.

Time: 7 PM – 8 PM IST

Meeting link

Link

Contact email ID: iss.forum@gmail.com

Registration link:

<https://forms.gle/bP8pojYYqY6myegu8>