



Smart power Electronics Laboratory

SPEL

Let's create a green future together



WE ARE LOOKING FOR TALENTED & MOTIVATED INDIVIDUALS  
TO JOIN OUR TEAM AT SPEL, IIT GN IN 4 THRUST AREAS

1

**SMART POWER  
ELECTRONICS**  
design &  
development of  
power converters with  
embedded AI & IoT

2

**PV POWER  
CONVERSION**  
faults & shade-  
tolerant control  
of photovoltaic  
systems

3

**GREEN  
ENERGY STORAGE**  
data-driven  
modeling & system  
integration for net  
zero multi-energy  
ecosystem

4

**TRANSPORTATION  
ELECTRIFICATION**  
fast EV chargers,  
BMS algorithms for  
battery performance  
optimization

WRITE TO PROF. PALLAVI BHARADWAJ: [PALLAVIB@IITGN.AC.IN](mailto:PALLAVIB@IITGN.AC.IN)

