



PS Grid Engineering and Research

8 Feeder Road, Ariadaha, West Bengal, 700057

(CIN - U71100WR2026PTC294339 | TAN - CALP26709E | e-PAN – AARCP1153F)

Job ID: RSI0002 (Research Scholar Intern)

PSGER is seeking a motivated Research Scholar Intern to support research and consulting activities related to data center PSCAD modeling. If you are interested, please send your CV to hr@psger.com.

PSGER is a research-driven engineering consulting company specializing in electric power systems, power grid planning, transmission and distribution networks, renewable energy integration, and grid modernization. PSGER actively conducts research in areas including smart grids, renewable energy systems and emerging grid technologies, with the objective of delivering practical solutions for the evolving energy landscape.

Responsibilities

- Analyze PSCAD models that include, but not limited to, the following components - three phase inverters, rectifiers, PWM, power factor correction converter, high frequency switching, feedback control.
- Explore average models, Bode plots, controller design, feedback loops and Laplace transforms.
- Running and testing PSCAD models.
- Detailed technical report and documentation focusing on the power electronics portion of the PSCAD model.

Qualifications

- Currently pursuing an undergraduate degree in Electrical Engineering with a focus on power electronics.
- Good understanding of power electronics fundamentals.
- Strong research, analytical, and communication skills.

Position Details

- Remote work, part-time - 40 hours per month
- Compensation: INR 250 per hour paid directly to the candidate
- Payment made monthly based on approved hours



Dr. Sagnik Basumallik

Director, PSGER (sagnik@psger.com)