

❖ IEEE Student Chapter ❖ IIT (ISM) Dhanbad

in association with the Department of Electrical Engineering

proudly presents an



EXPERT GUEST LECTURE



LOW-POWER POWER SUPPLY DESIGN USING SOFT-SWITCHED TOPOLOGIES: *EXPERIENCE AT IIST*



Dr. Anindya Dasgupta

Faculty Member

Department of Avionics,
Indian Institute of Space Science & Technology (IIST),
Thiruvananthapuram

B.E., M.E. (Jadavpur University, BESU Shibpur)
PhD (IIT Kanpur) – Electrical Engineering

STUDENT CHAPTER CODE

STB33291**AREA OF INTEREST:** Modelling and Control of Power Electronic Systems

ABSTRACT

This talk traces the evolution of topological choices of soft-switched converter based low-power power supplies. It will also share how our students have taken these designs from first principles to working hardware, including the key challenges and learning along the way.

BRIEF BIO

Dr. Anindya Dasgupta is a faculty member at the Department of Avionics, Indian Institute of Space Science & Technology (IIST), Thiruvananthapuram. He did his B.E., M.E. and PhD from Jadavpur University, BESU (Now IIST) Shibpur and IIT Kanpur, respectively, in the area of Electrical Engineering. His area of interest is modelling and control of Power Electronic Systems.

EVENT DETAILS

- DATE** Thursday, 3 September 2026
TIME 6:00 – 7:30 PM (IST)
VENUE Tesla Hall, Dept. of Electrical Engineering, IIT (ISM) Dhanbad
MODE Hybrid — Speaker online (Google Meet); our local audience will be in-person at Tesla Hall, and external participants will join virtually via Google Meet

JOIN VIA GOOGLE MEET

- MEETING LINK** <https://meet.google.com/afe-pepx-ibo>
MEETING ID afe-pepx-ibo
DIAL-IN (US) +1 216-910-6070
PIN 448 246 881#

Scan to Join



IEEE Student Chapter, IIT (ISM) Dhanbad

REGISTRATION MANDATORY

<https://forms.gle/zuBH9tqqgKxhe5iD7>

Scan to Register



NO REGISTRATION FEE