

Department of Electrical Engineering

Indian Institute of Technology (Indian School of Mines) Dhanbad



VIBHAV



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Monthly Newsletter

MESSAGE FROM HoD's DESK

By PROF. KARTICK CHANDRA JANA



Dear All,

Greetings from IIT (ISM) Dhanbad!

I am pleased to share with you the "June 2026" edition of the Department of Electrical Engineering's monthly newsletter, "VIBHAV".

The month of "June 2026" has been marked by some remarkable individual achievements that highlight the dedication, perseverance, and collaborative ethos of our faculty members. These milestones not only celebrate personal success but also contribute to strengthening the collective identity and reputation of our department.

As we move forward, we warmly invite our students to play an active role in enriching the quality, diversity, and reach of "VIBHAV". Your thoughtful feedback and creative suggestions are always welcome and may be shared at ee@iitism.ac.in. Together, let us continue to make every edition of "VIBHAV" more engaging, inspiring, and impactful.

Best wishes.

ABOUT THE DEPARTMENT

The Electrical Engineering department was established in the year 2005. The four-year B.Tech. program in Electrical Engineering was started in the academic session 2006-07. Although the Department of Electrical Engineering is one of the latest of the existing departments of the Institute, the Electrical Engineering Section existed as a part of earlier Mining Machinery Engineering department from 1975. Apart from different B.Tech. programs, the department at present also offers M.Tech programs in Intelligent Control and Instrumentation, Power System Engineering and Power Electronics & Electrical Drives. Through funded projects, consultancies, Doctoral, and postdoctoral programs, most of the research activities are being carried out in the department.

The Department of Electrical Engineering is pleased to announce the appointment of **Prof. Kartick Chandra Jana** as the new Head of the Department.

We warmly welcome Prof. Jana to this leadership role and are confident that his vision, experience, and dedication will further strengthen the department's academic and research excellence. We look forward to an inspiring and successful journey together.

INDIVIDUAL ACHIEVEMENT

Prof. A. Ghoshal (PI), Prof. P. K. Sadhu (Co-PI), Prof. S. Sethupathy (HI), A. Goswami (Co-PI, VIT Chennai) received a project titled "A Circulating Power Test Setup to Evaluate Key Aspects of Static and Dynamic Wireless Power Transfer Technologies for Electric Vehicle",

from Anusandhan National Research Foundation (ANRF) with valuation of 86.82 Lakhs.

Hearty Congratulations for his achievement !



PUBLICATIONS

Journals

- A. K. Singh, **A. Ghoshal**, S. Das, N. G. M. Thao. "An Automatic Gain Correction of Current Sensor for Multi-Phase Buck Converter Based EV Charger," *IEEE Transactions on Industry Applications*, Accepted for Publication, June 2026, DOI: 10.1109/TIA.2026.3698031 .

- A. K. Soni, **K. C. Jana**, D. K. Gupta, "Intelligent Level-Shifted PWM Controlled PV-Fed Multilevel Inverter with Advanced Partial Shading Detection and GMPP Tracking Capability," *IEEE Journal of Emerging and Selected Topics in Industrial Electronics* Accepted for Publication, June 2026, DOI 10.1109/JESTIE.2026.3708688.

OUTREACH ACTIVITIES

- In the recent IEEE elections, **Prof. Arijit Baral** have been elected as the Vice-Chair of the IEEE Dielectrics and Electrical Insulation Society (DEIS) Chapter, IEEE Kolkata Section, for a two-year term ending in December 2027.
- **Prof. Dushyant Sharma** served as an external examiner for the M. Tech thesis viva (Mechatronics Program) at the Centre for Advanced Studies, AKTU, Lucknow.

STUDENTS CORNER

Mr. Sagnik Bhattacharya has fulfilled all the requirements for the award of Ph.D. degree under the guidance of **Prof. Pradip Kumar Sadhu**. His thesis title is "A Comparative Techno-Economic Analysis Between Floating PV and BIPV Systems for Sustainable and Renewable Power Generation".

Hearty Congratulations for his achievement !

UPCOMING EVENTS

Executive Development Program (EDP) on "Mine Electrical Drives Technology and Safety Challenges" (EDP No. OCEP/T003E/2026-27) to be held during 17th–21st August 2026 at Seminar Room (No. 113), 1st Floor, New Academic Complex, Department of Electrical Engineering, IIT (ISM) Dhanbad. CI- **Prof. Nitai Pal**, Professor and Co-CI- **Prof. P. K. Sadhu**, Professor (HAG), Department of Electrical Engineering.

Link: <https://www.iitism.ac.in/seminar-1>

Registration Details:

https://www.iitism.ac.in/storage/SeminarDoc/SeminarDoc_6a02b76b0d0641778562923.pdf

Link: <https://www.iitism.ac.in/electrical-engineering>

IEEE International Conference on "Condition Assessment Techniques in Electrical Systems", "CATCON-2026" under IEEE Dielectrics and Electrical Insulation Society (DEIS) to be held during 18th – 20th December 2026.

Link: <https://catcon2026.iitism.ac.in/index.php>

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