



केंद्रीय विद्युत अनुसंधान संस्थान
विद्युत मंत्रालय, भारत सरकार
Central Power Research Institute
Ministry of Power, Govt. of India



MANIPAL INSTITUTE OF TECHNOLOGY
BENGALURU
(A constituent unit of MAHE, Manipal)

POWERNEXT - AI

ORGANIZED BY CPRI WITH INSTITUTIONAL PARTNER MIT BENGALURU

**SOLVE REAL-WORLD POWER SECTOR CHALLENGES
CURATED BY CPRI EXPERTS**

10TH – 11TH OCTOBER 2026

SMART POWER SYSTEMS

**AUTOMATION AND
DIGITAL TWIN**

AI & DATA INTELLIGENCE

PREDICTIVE MAINTENANCE

**PRIZE POOL -
3,00,000 INR**



**MANIPAL INSTITUTE OF TECHNOLOGY
BENGALURU**

REGISTER NOW

Last date for registration:
10th Sept 2026

SOLVE REAL PROBLEMS | LEARN FROM EXPERTS | BUILD A PROTOTYPE | WIN BIG



FOR QUERIES CONTACT:
VEDCLUB.MIT@MANIPAL.EDU



www.cpri.res.in
(Co-ordinated by R&D Management Division)



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ABOUT CPRI

Central Power Research Institute (CPRI) is an autonomous organization under the Ministry of Power, Government of India, dedicated to research, development, testing, certification, and consultancy in the field of electric power and allied industries. Established to support the growth and advancement of India's power sector, CPRI plays a significant role in addressing technological challenges across power generation, transmission, distribution, and utilization. With state-of-the-art research and testing facilities and expertise across diverse domains of the power sector, CPRI works towards enhancing the reliability, efficiency, safety, and sustainability of electrical power systems. Through its focus on innovation, advanced technologies, and industry-oriented research, CPRI continues to contribute to the development and modernization of India's energy infrastructure.

ABOUT MIT-BLR

Manipal Institute of Technology Bengaluru (MIT-BLR) is one of the leading institutions of the Manipal Academy of Higher Education (MAHE), offering BTech, MTech, and PhD programs. MIT-BLR is approved by the All India Council for Technical Education (AICTE) and the Ministry of Education, and is managed by the Manipal Academy of Higher Education (MAHE), Manipal. The vision of MIT-BLR is to deliver "Excellence in Technical Education through Innovation and Teamwork." The Institute aims to be a world-class institution that fosters an entrepreneurial spirit and leadership. MIT-BLR focuses on providing quality education and developing competent engineering professionals by encouraging creativity, innovation, and teamwork.





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ABOUT POWERNEXT - AI

POWERNEXT - AI is a first-of-its-kind innovation challenge that brings together the power of Artificial Intelligence, engineering, and real-world problem-solving. Step beyond classrooms, assignments, and routine coding challenges to work on ideas that make power systems smarter, more reliable, efficient, and sustainable. This hackathon, organized by CPRI with the Manipal Institute of Technology (MIT) Bengaluru as an institutional partner, invites undergraduate engineering students from across Karnataka to explore how AI can transform the future of energy.

THE CHALLENGE

Bring your creativity, technical skills, and problem-solving mindset to tackle real-world challenges from the power sector. From intelligent systems and predictive solutions to automation and data-driven decision-making, the possibilities are endless.





WHY POWERNEXT - AI?

- **Solve problems that matter :** Work on challenges inspired by real-world needs in the power and energy sector.
- **Explore the power of AI :** Apply Artificial Intelligence to create smarter and more impactful engineering solutions.
- **Learn from the experts :** Get the opportunity to engage with experts and researchers working at the forefront of power-sector innovation.
- **Take your idea beyond the hackathon :** Outstanding teams may get the opportunity to work with CPRI scientists and experts to further develop, validate and potentially deploy their solutions.



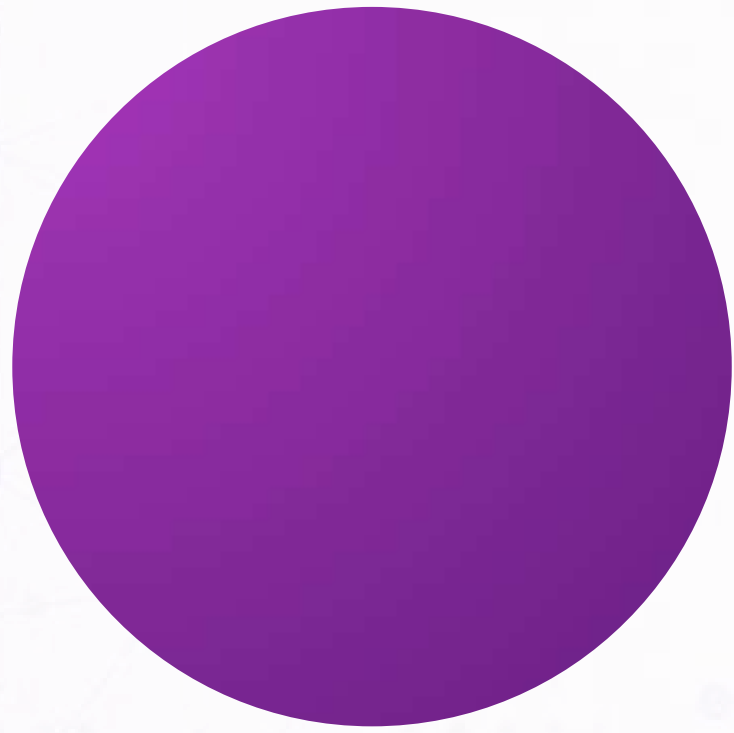


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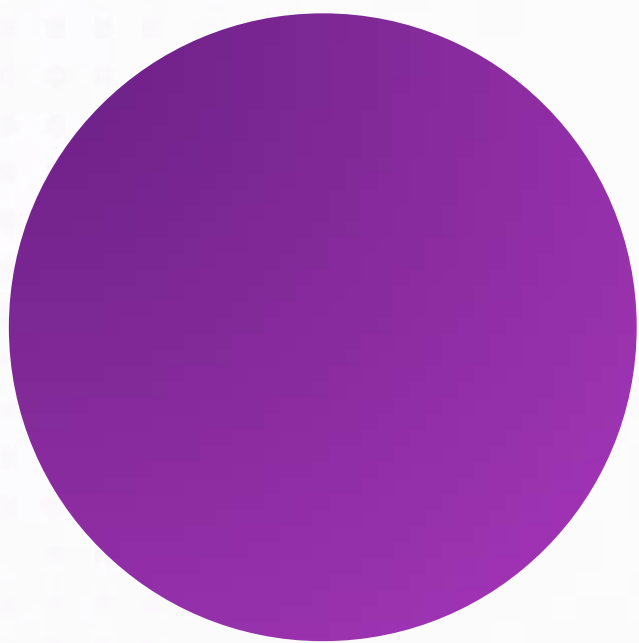
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HOW IT WORKS



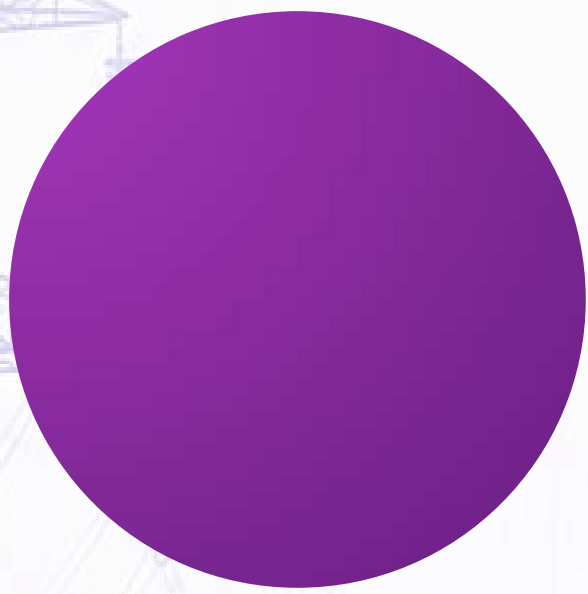
REGISTER

Form your team and register for the challenge.



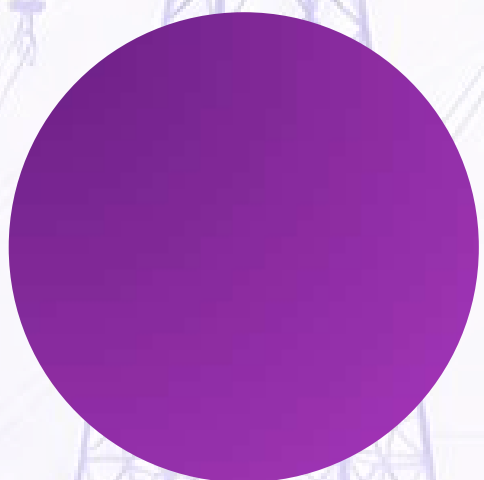
ONLINE SCREENING

Teams will participate in an initial screening to assess their basic domain knowledge and AI capabilities.



GET SHORTLISTED

The most promising teams move forward to the next stage and work on the problem statement for 3 weeks.



GRAND FINALE

Shortlisted teams will bring their developed solutions to compete in a 24-hour hackathon at MIT Bengaluru.





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WHO CAN PARTICIPATE?

- **Team Size:** 3–5 Members
- **Eligibility:** Undergraduate Engineering Students
- **Open To:** Engineering Colleges Across Karnataka
- **Branches:** All Engineering Branches Welcome!

**CAN YOUR TEAM HELP POWER
INDIA'S ENERGY FUTURE?
BUILD. INNOVATE. SOLVE.**

BE PART OF THE NEXT GENERATION OF ENGINEERS
USING AI TO CREATE MEANINGFUL CHANGE.

REGISTRATIONS ARE NOW OPEN!

**LAST DATE TO REGISTER :
10TH SEPTEMBER 2026**

