



**14<sup>th</sup>**  
National  
Seminar on

**APPLICATION OF AI  
IN HEALTHCARE  
& POWER SYSTEMS**

Date & Time: 22nd February 2026, 10-00 am Onwards  
Venue: WBPDCCL Corporate Auditorium, Salt Lake City, Kolkata-700106



*Organised by:*

**ENGINEERS' WELFARE FORUM**

**THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED**

Recognised by WBPDCCL Vide Letter No. : PDCL/CORP./HR/305/1495, Dated 3.3.2012

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**NATIONAL ENERGY EXCELLENCE DRIVE**

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SAVE THE PLANET**

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Dear Friends,

We are delighted to welcome you to the **14th National Seminar on "Application of AI in Healthcare & Power Systems"**, scheduled for **22nd February 2026 (10.00 AM)** at the WBPDC Auditorium, Salt Lake City, Kolkata.

As we stand at the intersection of technology and industry, Artificial Intelligence (AI) continues to transform vital sectors such as healthcare and power systems, offering unprecedented opportunities for innovation and efficiency. This seminar aims to bring together experts, researchers, and practitioners to explore the immense potential of AI in addressing the challenges and opportunities these sectors present.

Adding to the excitement, the seminar will feature the grand finale of the **National Engineering Innovation Challenge (NEIC) 2025**, where the winning team will present their groundbreaking AI-driven innovation. This prestigious competition has attracted talented undergraduate engineering students from across India, showcasing cutting-edge solutions in healthcare and power systems with cash prizes totaling Rs 50,000.

Through engaging discussions, insightful presentations, and collaborative exchanges, we hope to foster a deeper understanding of how AI can drive the future of healthcare and power systems, improving both service delivery and sustainability. We are excited to be part of this journey and look forward to your active participation in shaping the future of these critical fields.

Warm regards,



**(SOU MEN DAS)**

General Secretary, Engineers' Welfare Forum  
& Convener of 14th National Seminar

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## OBJECTIVE

- To explore and promote the innovative applications of **Artificial Intelligence** in **Healthcare** and **Power Systems** through knowledge sharing, interdisciplinary collaboration, and discussion of real-world challenges and solutions.

## TECHNICAL JOURNAL

In order to chronicle various key insights, deliberations & conclusions of the National Seminar, EWF plans to bring out its exclusive Technical Journal **POWER GENXT (Vol-14)** on the same day.

We invite you to submit your Write-ups before hand and facilitate timely publication of the journal. Your write-ups may be based on the following sub topics but not limited to the same.

### Subtopics:

#### Healthcare Domain

1. AI in Medical Imaging and Diagnostics
2. Predictive Analytics for Patient Care and Disease Management
3. AI-Powered Drug Discovery and Development
4. Natural Language Processing in Electronic Health Records
5. Robotics and Automation in Surgery and Patient Care
6. AI for Personalized Medicine and Genomics
7. Ethical and Legal Challenges in AI-Driven Healthcare
8. AI in Remote Patient Monitoring and Telemedicine

#### Power Systems Domain

1. AI for Smart Grid Management and Optimization
2. Predictive Maintenance of Power Equipment using AI
3. Load Forecasting and Demand Response using Machine Learning
4. AI in Renewable Energy Integration and Grid Stability
5. Fault Detection and Prevention in Power Systems
6. Energy Theft Detection and Cyber security using AI
7. Intelligent Energy Storage and Battery Management Systems
8. Role of AI in Power System Automation and Control

Any one can participate in submission of write up in the above mentioned topics. Write up is to be submitted (through e-mail) to:

**Er. Prasanta Sinha** (Mob. : 86172 98592)

E-mail: [psinhawb@gmail.com](mailto:psinhawb@gmail.com)

- The material should be typed in MS Word with 12pt., Times New Roman font in one and half line spacing.
- Paper should contain title, author(s) name, affiliation and address, abstract (50-100 words), introduction, formulation, methodology (theory/ experiment), results, conclusion and reference.
- Paper should not exceed 8 nos of A4 pages including figures.
- The last date of submission of paper through e-mail: 1st February, 2026**

## REGISTRATION

- Delegates who are interested to participate in this seminar can take registration free of cost for WBPdCL Employees, Rs. 100/- for students and Rs. 500/- for others within 20th February, 2026 through our contact person.
- Accommodation Charge for guests (if required ): Rs. 2,000/- per head per day.
- For Registration, Contact Person:
  - ❑ **Er. Arindam Ghosal**  
Mobile: 9903435794 / E-mail: a.ghosal@wbpdcl.co.in
  - ❑ **Er. Soumyajit Dutta**  
Mobile: 9475605342 / E-mail: s.dutta02@wbpdcl.co.in
- Our programme will be conducted on Hybrid Mode (On Line & Physical)



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*For Details Please Contact*

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