भारतीय प्रौद्योगिकी संस्थान हैदराबाद
कैंडी - ५०२ २८५, सांगरेड्डी, तेलंगाण, भारत
फोन : (०४०) २३०१ ६०३३; फेक्स : (०४०) ६००३ / ३२

भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

Indian Institute of Technology Hyderabad
Kandi – 502 285, Sangareddy, Telangana, INDIA
Phone: (040) 2301 6033; Fax: (040) 2301 6003 /32

LETTER OF COLLABORATION

Pilot Project Installation of the Campus Energy Monitoring and Management System (CEMMS)
Between
Indian Institute of Technology Hyderabad (IITH)
and
Mahatma Gandhi Institute of Technology (Autonomous), Hyderabad (MGIT)

Date: 19-02-2025

This Letter of Collaboration is established between the **Department of Electrical Engineering, Indian Institute of Technology Hyderabad (IITH–EE)**, and the **Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology (Autonomous), Hyderabad (MGIT–EEE)**, to formally acknowledge the pilot installation and academic purpose of **the Campus Energy Monitoring and Management System (CEMMS)**, developed by the IITH-based start-up **Power Sense Pvt. Ltd**.

1. Purpose of the Collaboration

The objectives of this collaboration are to:

- Facilitate the pilot deployment of CEMMS at MGIT for real-time campus energy monitoring, analysis, and management.
- Promote experiential learning, data-driven research, and technical skill development among MGIT students and faculty.
- Strengthen academic–industry–research linkage between **IITH–EE** and **MGIT–EEE**, forming the basis for long-term collaborative activities.

2. Background of the Pilot Project

Power Sense Pvt. Ltd., incubated within IITH–EE, has developed CEMMS - a comprehensive platform for real-time power quality assessment, load monitoring, and energy analytics.

Recognising the academic and research value of this system, MGIT–EEE agreed to host a pilot installation of CEMMS scheduled for **24-02-2025**. The pilot deployment provides MGIT with:

- A live platform for campus-wide energy data acquisition and monitoring
- Exposure to advanced tools for power quality analysis

भारतीय प्रौद्योगिकी संस्थान हैदराबाद
कैंडी - ५०२ २८५, सांगरेड्डी, तेलंगाण, भारत
फोन : (०४०) २३०१ ६०३३; फैक्स : (०४०) ६००३ / ३२

भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

Indian Institute of Technology Hyderabad
Kandi – 502 285, Sangareddy, Telangana, INDIA
Phone: (040) 2301 6033; Fax: (040) 2301 6003 /32

- A practical testbed for applied research in micro-grid and smart energy systems
- A foundation for extended academic and research collaboration with IITH

3. Scope of Collaboration Under the Pilot Project

a. Student Projects, Internships, and Hands-on Training

- Support student projects in power quality, micro-grids, IoT, and energy data analytics.
- Provide internships and short-term training at IITH–EE or Power Sense Pvt. Ltd.
- Engage students in research, experimentation, and system development activities.

b. Collaborative Research and Academic Publications

- Identify joint research topics and case studies using CEMMS-generated data.
- Publish collaborative research papers in conferences and journals.
- Develop shared datasets to support academic work and future studies.

c. Faculty Development, Technical Interaction, and Workshops

- Conduct FDPs, technical talks, hands-on workshops, and interactive sessions.
- Promote knowledge exchange on smart grids, energy management, and emerging technologies.
- Organize hackathons, innovation events, and student-centric technical activities using real-time campus data.

d. Support for Sustainable Energy Management at MGIT

- Use CEMMS data for energy-efficient planning and improved campus energy management.
- Encourage research-driven sustainability initiatives.
- Provide continued academic guidance from IITH–EE for data interpretation and decision-making.

4. Nature of the Collaboration

This collaboration is academic in scope and supports research, training, skill development, and capacity-building activities associated with the pilot project. It is non-binding and does not impose any legal or financial obligations on either institution. All activities will be undertaken based on mutual interest, relevance, and availability of resources.

This Letter of Collaboration serves as the foundation for broader, long-term engagement to be formalized through a comprehensive collaboration agreement between IITH–EE and MGIT–EEE.

भारतीय प्रौद्योगिकी संस्थान हैदराबाद
कैंडी - ५०२ २८५, सांगरेड्डी, तेलंगाण, भारत
फोन : (०४०) २३०१ ६०३३; फेक्स : (०४०) ६००३ / ३२

भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

Indian Institute of Technology Hyderabad
Kandi – 502 285, Sangareddy, Telangana, INDIA
Phone: (040) 2301 6033; Fax: (040) 2301 6003 /32

5. Points of Contact

Both institutions shall nominate coordinators who will oversee planning, coordination, and evaluation of activities arising from this pilot collaboration.

For Indian Institute of Technology Hyderabad
Department of Electrical Engineering

Dr. Pradeep Kumar Yemula
Associate Professor, Department of Electrical Engineering
Indian Institute of Technology Hyderabad

Signature: Ypradeep

Date: 19-2-25

For Mahatma Gandhi Institute of Technology (Autonomous)
Department of Electrical and Electronics Engineering

Dr. P. Ram Kishore Kumar Reddy
Professor & Head, Department of EEE, MGIT

Signature: P. Ram

Date: 19-02-2025

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY ★ MGIT HYD-75.