ACE
Engineering College
An Autonomous Institution
Ghatkesar (M), Medchal (D), Hyderabad, Telangana State-501 301
(NBA Accredited B.Tech Courses Accredited NAAC with A Grade 3.20 CGPA)
website: www.aceec.ac.in

IQAC Summary

Number of teachers have undergone online/ offline Faculty Development Programmes during the year (2023-24):

The following summary presents the participation of faculty members across various departments in Faculty Development Programmes (FDPs), Professional Development Programmes, Workshops, and Short-Term Courses held during the academic year. These programs aim to enhance the professional skills, subject expertise, and pedagogical competencies of the teaching staff.

Department-wise Summary

1. Department Number of Participants:

Electronics & Communication Engineering: 8

Mechanical Engineering:29

Electrical Engineering:26

CSE(AI&ML):7

CSE(DS): 12

CSE(IOT):9

IT:34

2. Highlights of Participation

i. Total Number of Participants: 125 Faculty

ii. Nature of Participation:

- Online/Offline FDPs
- Professional Development Programmes
- Workshops/Seminars/Short-Term Courses

iii. Duration of Programmes:

- Ranges from 1 week / 2 weeks

3. Key Programmes Attended

- Artificial Intelligence and Emerging Technologies:

  Teachers from CSE participated in programs such as "Large Language Models in Artificial Intelligence," "Deep Learning and AI," and "Recent Trends in Emerging Technologies.

- Mechanical Engineering Advancements:

  Topics included Industry 4.0/5.0, Additive Manufacturing, Advanced Internal Combustion Engines, and Sustainable Materials.

- Cutting-Edge topics in ECE:

  Programs on Antennas for 5G Communication, VLSI Design, and Quantum Signal Processing.

4. Impact on Teaching and Research

The participation of teachers in these programs is expected to:

- Enhance knowledge of emerging technologies and pedagogical strategies.
- Strengthen the application of AI, ML, Quantum Computing, and Industry 4.0 tools in teaching and research.
- Enable faculty to integrate new knowledge into curriculum development and classroom delivery.
- Promote interdisciplinary research and collaboration across departments.

The institution has successfully encouraged faculty participation in professional development programs. This commitment reflects the institution's focus on continuous improvement, quality assurance, and academic excellence. The insights and skills gained will contribute to advancing teaching methodologies, research output, and institutional performance