Expression of interest for empanelment of external faculty/ institutions with APEPDCL training center

Andhra Pradesh Eastern Power Distribution Company Limited (APEPDCL), a state government-owned power distribution company supplies electricity to 7 million+ consumers across 11 districts in Andhra Pradesh viz. Srikakulam, Vizianagaram, Parvathipuram Manyam, Visakhapatnam, ASR, Anakapalli, East Godavari, DR. BR Ambedkar Konaseema, West Godavari, Kakinada,and Eluru. The company is run by around 9,000+ work force comprising of technical & non-technical executive, O & M staff.

APEPDCL has been committed to enhancing its work force capabilities through a focus on training and development, achieving notable success in the quality and quantity of training programs. Building on this momentum, the company now seeks to further its growth and industry impact by designing and delivering comprehensive training and capacity-building initiatives not only for its own employees but also for professionals across the power sector.

APEPDCL invites expressions of interest from potential partners, including academic institutions, external faculty, individual consultants, and research/capacity-building organizations, to collaborate and empanel with its state-of-the-art training center in Visakhapatnam. The goal is to establish the APEPDCL Training Center as a pioneering institution in the power sector which is Located on the scenic seashore of Visakhapatnam, our training center boasts modern infrastructure, including:

- Two class rooms (60 and 40 seating capacity) with latest technology
- Food & Accommodation facilities with 24 rooms
- Power system lab
- Access to advanced facilities like Smart meters NOMC center, SCADA control center, GIS & container substations, and more

Areas of Expertise:

We seek trainers from academic institutions, external faculty, individual consultants, and research/capacity-building organizations with expertise in the following areas:

Category	**Indicative Areas** (not exhaustive)
Power Distribution	**Electrical safety** **Power Distribution System Protection** • Reactive power compensation • Load flow analysis • Fault level calculations simulation

	• Circuit breaker testing commission • CTPT testing commissioning • Relay coordination(with software) **Prior Identification of Open Circuit faults** **Best Practices in Operation and Maintenance**
Smart Meters and Smart Grid	**Smart Meterings IoT Integration** • Smart Meter Protocols • Smart Grid Communication Standards and Interoperability • IoT in Energy: Architecture, Challenges, and Security • Edge Computing for Smart Meter Data Preprocessing • Integration of Smart Meters with Cloud and Analytics Platforms • Security and Privacy Concerns in Smart Meter Data Transmission
Solar Roof Top	Installation of Roof top Solar Panels Solar Net metering Synchronizing with DISCOM grids
SAP Modules	FI – Finance CO – Controlling AM – Asset Management MM – Material Management HCM - Human Capital Management, PM – Plant Maintenance PS – Project System ABAP – Technical Basis – SAP System Administration OM – Organization Management PA - Personnel Administration PT - Time Management PY - Payroll TEM – Training and Event Management
IT Applications	**Software Developments - Engineering Practices** • Agile Methodologies and Scrum Practices • DevOps Culture and Practices • Test-Driven Development(TDD)and Behavior-Driven Development (BDD) • Software Quality Assurance and Testing Strategies • Code Review and Pair Programming Techniques • Software Documentation Standards and Tools • Technical Debt Management and Refactoring **AI & Automation in Development** • AI-Assisted Code Generation(e.g.,Git Hub Copilot, Chat GPT,Cursor) • Automated Code Review with Machine Learning • Natural Language Processing in Dev Tools • AI for Software Testing and Bug Prediction • Ethical AI and Bias Mitigation in Development **Security, DevSecOps & Architecture Design** • Secure SDLC (SSDLC)Principles • Dev Sec Ops: Integrating Security in to Dev Ops • Threat Modeling and Secure Design Patterns • Cloud Security in Application Architecture • Zero Trust Architecture • Identity and Access Management(IAM) • OWASPTop10andMitigationTechniques • Zero Trust Architecture and Identity Management **CI/CD, DevOps & Infrastructure Automation** • Infrastructure as Code (IaC)with Terraform or Ansible

	• GitOps and Continuous Deployment Pipelines • Monitoring and Logging in CI/CD • Containerization with Docker and Orchestration with Kubernetes • Rollbacks, Blue-Green Deployments, and Canary Releases • Monitoring, Logging, and Observability
Data Base Management	**Data, Big Data & Visualization** • Real-Time Data Analytics and Streaming Platforms • Interactive Dashboard Design • Data Warehousing and ETL Tools • Data Governance and Compliance • Machine Learning for Big Data Analytics • Handling Smart Meter Data, Big Data Analytics for Energy Insights • Time-Series Data Storage and Analytics for IoT Devices **Data bases & Data Management** • Oracle vs SQL vs No SQL Databases • Data Modelling and Schema Design • Data base Performance Optimization • Backup, Recovery, and High Availability Strategies • New SQL and Distributed Database Systems • Oracle University course on Golden Gate
Finance & Accounts	• Accounting principles, standards • Indian accounting standards (IndAS) • Cost Accounting • Budgeting & Estimates • Funds Flow & Cash Flow Management • Banking & Bank Reconciliation • Financial Management • Power Purchase Accounting • Pensions, Gratuity & Provident Fund Trust Accounting • HT Billing & LT Billing Tariff Components and Billing methodology • GST& Taxation • Cost Records and Costing • Payroll and Filing of Tax Returns of Assessee, etc.
HR Management (HRM) and HR Development (HRD)	• Manpower Planning & Recruitment • Productivity enhancement • Personality development • Leadership development • Organizational Behavior • Communication • Interpersonal Skills • Handling of challenging situations • Problem solving • Time Management • Critical thinking

Empanelment Details:

The selected faculty/ Trainer will be required to deliver lectures/programs at APEPDCL Training Center, Sagar Nagar, Visakhapatnam, as and when required, based on mutual convenience.

How to Apply:

Interested faculty and institutions are invited to submit their applications, including their profile, expertise, and experience, to Chief General Manager, HRD APEPEDCL. We look forward to collaborating with esteemed faculty to elevate our training programs and make our training center a hub for excellence in the power sector.

Contact Details:

Chief General Manager (HRD)
Corporate Office, APEPDCL, Visakhapatnam

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Digitally signed by
SUMAN KALYANI DEVARA
Date: 29-08-2025
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