



Institute Of Energy Studies & Research – Kenya Power
Center of Excellence for Energy Related Studies

Professional programs

The Institute of Energy Studies and Research (IESR) is a Regional Centre of Excellence in Energy Training and Capacity Building. The institute offers Professional courses to corporate organizations, private companies and contractors in the fields of Energy, Electrical, Mechanical, Fiber Optics and Management. The Institute also offers tailor made courses in any topic within the fields.

| No | Program | Target Group | Duration | Cost per participant Ksh. |
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| 1. | Safety Competency in Power Systems | Company and contractor staff involved in working on or around high voltage power systems | 5 days | 80,000 |
| 2. | Overheadline Construction and Maintenance | Company and Contractor staff involved in powerline Construction and Maintenance | 3 weeks | 90,000 |
| 3. | Installation and Maintenance of Street Lighting | County Government, Company and Contractor staff involved in Street Lighting | 5 days | 60,000 |
| 4. | Jointing and Termination of Power Cables | Company and Contractor staff involved in Jointing and termination of low and high voltage cables | 5 days | 60,000 |
| 5. | Operation and Maintenance of Power & Distribution Transformers | Technical staff involved in Jointing Operation and Maintenance of transformers | 5 days | 60,000 |
| 6. | Safe Operation and Maintenance of Switchgear and Circuit Breakers | Technical Staff involved in Operation and Maintenance of Switchgear | 5 days | 60,000 |
| 7. | Technical Appreciation - Solar PV installation | Non-technical staff; Facility owners | 2 days | 30,000 |
| 8. | Installation and Maintenance of Solar Power PV Systems-T1 | County government technical staff; Solar PV vendors; Solar PV System Installers, Instructors, Project Managers, Architects. | 5 days | 60,000 |
| 9. | Installation and Maintenance of Solar Power PV Systems- T2 | Advancement from Installation and Maintenance of Solar Power PV System-T1, | 5 days | 60,000 |

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| 10. | Installation of Hybrid and Grid - Tie Power Systems - T3 | Advancement from Installation and Maintenance of Solar Power PV System-T2 | 5 days | 60,000 |
| 11. | Wind Energy Fundamentals- Design and Development Technology | Technical Staff who install, maintain and repair wind turbine power plants | 5 days | 60,000 |
| 12. | Repair and Maintenance of Air Conditioning and Refrigeration Systems | Technical Staff involved in maintaining and repair of air conditioning and refrigeration systems | 5 days | 60,000 |
| 13. | Small Hydro Power Plant- Fundamentals, Operations and Maintenance | Technical Staff involved in Development Operations and Maintenance of small hydro plants | 5 days | 60,000 |
| 14. | Energy Management Essentials | Facility engineers, energy auditors, environmental officers, building services managers, and plant managers | 5 days | 60,000 |
| 15. | Energy Efficiency in Electrical Utilities For Commercial and Industrial Systems | Facility engineers, energy auditors, environmental officers, building services managers, and plant managers and entrepreneurs Contractors | 5 days | 60,000 |
| 16. | Fundamentals of Fiber Optics | Technical Staff involved in fiber optics cable installation | 5 days | 60,000 |
| 17. | Fiber Optics Installation on Power Lines I (for LV and MV) | Contractor Staff involved in fiber optics cable installation on powerlines | 5 days | 60,000 |
| 18. | Cyber Security | ICT staff | 5 days | 60,000 |
| 19. | Structured Cabling (Fiber and Copper) | ICT Network Technical persons | 5 days | 60,000 |
| 20. | Supervisory Skills for Technical staff (team leaders) | Technical Team Leaders | 5 days | 40,000 |
| 21. | Fire Safety | All staff | 4 days | 40,000 |
| 22. | First Aid | All staff | 4 days | 40,000 |
| 23. | Occupational Safety & Health | Company & Contractor Safety Committees Members | 5 days | 40,000 |
| 24. | Cisco CCNA Level 1-4 | ICT Networking staff | 4 Months | 45,000 |

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| 25. | Computer Skills(ICDL) - Base Module - Intermediate Module - Advanced Module | Computers Users | One month per module | 45,000 |
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1. Interested candidates are requested to make enquiries through email address iesrinfo@kplc.co.ke or Postal address **The Deputy Director, Institute of Energy Studies & Research P. O BOX 10355 - 00100 NAIROBI** or telephone enquiries through 0725990000 or visit the **Institute located at Ruaraka off Thika Road (Next to Utalii College,Nairobi)** during normal working hours.
2. Training is conducted at our main campus located in Ruaraka-Nairobi or at our Town campus at Electricity House-CBD Nairobi.