

## 2023 INTAKE



The Institute of Energy Studies and Research (formerly Kenya Power Training School) located at Ruaraka along Thika Highway is a Regional Center of Excellence in Training and Capacity Building.

We are receiving applications for the following online and face-to-face courses for 2023.

### IESR ONLINE COURSES

PROGRAM	TARGET GROUP	DURATION	MODE OF DELIVERY
<b>TECHNICAL COURSES (Flexible learning)</b>			
Safety Competency in Power Systems	All Energy sector Technicians and Engineers, Contractors and Telcom technician staff	4 weeks of 2 hours per day online and 3 days practical	Online/Face to face/ Virtual
Solar PV T1 & T2	All Energy sector Technicians and Engineers, Contractors and Solar Practitioners and Technical students	4 weeks of 2 hours per day online and 3 days practical	Online/Face to Face/ Virtual
Solar PV T3	All Energy sector Technicians and Engineers, Contractors and Solar Practitioners	4 weeks of 2 hours per day online and 3 days practical	Online/Face to Face/ Virtual
<b>MANAGEMENT COURSES (Flexible learning)</b>			
Leadership and Supervisory Skills for Technical Staff in Energy Sector	All Energy sector players and Contractors, County technical staff and Telcom technical staff	8 weeks	Online/Face to face/ Virtual
Project Management for Technical staff in Energy sector	All Energy Sector players and County technical staff, Contractors and Telcom technician staff	8 weeks	Online/Face to face/ Virtual
Analytics Using Ms Excel	Youth interested in Data Input and Analytics	4 weeks	Online/Face to face/ Virtual
<b>ICT &amp; TECHNOLOGY COURSES (Flexible learning)</b>			
Website design essentials Using PhP	Professionals interested in Website design and Youth interested in upskilling hands-on in website design	4 weeks	Online/Face to face/ Virtual
Fundamentals of online learning –using Moodle (LMS)	Trainers interested in using digital approaches in training, Educationists	4 weeks	Online/Face to face/ Virtual
Internet of Things (IoT)	Youth interested in Internet of Things, Hobbyists	4 weeks	Online/Face to face/ Virtual

### IESR ACADEMIC COURSES (CLASSROOM-BASED)

COURSE NAME	OPTION	LEVEL	EXAMINING BODY
Higher National Diploma in Electrical & Electronics Engineering	Power Option	TEP	KNEC
Diploma in Electrical and Electronics Engineering	Power Option	Module I	KNEC
Diploma in Mechanical Engineering	Plant/Automotive Option	Module I	KNEC
Diploma in Information & Communication Technology	-	Module I	KNEC
Craft Certificate in Electrical & Electronics Engineering	Power Option	Module I	KNEC
Craft Certificate in Mechanical Engineering	Production Option	Module I	KNEC
Craft Certificate in Information and Communication Technology	-	Module I	KNEC
Domestic Wiring	For all Electricians interested in upskilling hands-on.	6 Weeks	KPLC/IESR
Overhead Line Construction & Maintenance	NB: Domestic Wiring and Overhead Line Construction & Maintenance are offered as two (2) separate Modules		

### IESR PROFESSIONAL COURSES

PROGRAM	TARGET GROUP	DURATION
<b>POWER SYSTEM, ENERGY, ICT &amp; MANAGEMENT PROFESSIONAL COURSES (CLASSROOM-BASED)</b>		
Installation and Maintenance of Solar PV Systems-T1	County Government Technical Staff; Solar PV Vendors; Solar PV System Installers, Instructors, Project Managers, Architects	5 days
Installation and Maintenance of Solar PV Systems-T2	Advancement from Installation and Maintenance of Solar Power PV System-T1.	5 days
Installation of Hybrid and Grid tie Power Systems -T3	Advancement from Installation and Maintenance of Solar Power PV System-T2	5 days
Wind Energy Fundamentals Design and Development Technology	Technical Staff who Install, Maintain and Repair Wind Turbine Power Plants	5 days
Repair and Maintenance of Air Conditioning and Refrigeration Systems	Technical Staff Involved in Maintaining and Repair of Air Conditioning and Refrigeration Systems	5 days
Small Hydro Power Plant Fundamentals, Operations and Maintenance	Technical Staff Involved in Development Operations and Maintenance of Small Hydro Plants	5 days
Energy Management Essentials	Facility Engineers, Energy Auditors, Environmental Officers, Building Services Managers and Plant Managers	5 days
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
Fundamentals of Fiber Optics	Technical Staff Involved in Fiber Optics Cable Installation	5 days
Fiber Optics Installation on Power Lines I (for LV and MV)	Contractor Staff Involved in Fiber Optics Cable Installation on Powerlines	5 days
Cyber Security	ICT Staff	5 days
Structured Cabling (Fiber and Copper)	ICT Network Technical Persons	5 days
Supervisory Skills for Technical Staff (Team Leaders)	Technical Team Leaders	5 days
Fire Safety	All staff	4 days
First Aid	All staff	4 days
Occupational Safety & Health	Company & Contractor Safety Committees Members	5 days

For more details please contact: Kenya Power - Institute of Energy Studies and Research

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