**Welcome to Barani Tech– Powering Your Future in Electrical Equipment & Protection Training**

At Barani Tech , we're dedicated to lighting the path for the next generation of electrical equipment and protection professionals. Whether you're just starting out, looking to advance your skills, or preparing for certification, we provide comprehensive, hands-on training Related on relay testing, relay software handling, deep knowledge on Feeder, Motor, transformer, line and generator protection.

Our expert-led courses cover everything from electrical fundamentals, Configuration and testing protocols to advanced IEC -61850 protocol, Bus logic, and Goose Communication. With flexible learning options—online, in-person, and hybrid—you can train in India – Chennai or Malaysia – JB , on your own schedule.

Join a community of learners and professionals who are energized by knowledge and driven by excellence. Start your journey with us and spark a brighter future in the world of electrical work.

**Key Features**

1. **Comprehensive Courses**

* Introduction to Power System, Overall Protection Philosophy
* Introduction to Feeder Protection – Overcurrent, Earth Fault and Earth Leakage. Protection Philosophy, Fault Calculation and Grading Studies
* Introduction to Transformer protection – differential, over flux, REF, SEF & Inrush
* Introduction to Motor protection – differential, motor startup, long start, stall, lock Rotar, thermal, Unbalance & Undercurrent.
* Introduction to Generator Protection – Differential, Over flux, under excitation, out of step, Low Forward, Low Reverse, under frequency & Over frequency.
* Introduction to Line protection – Differential, Impedance, PSB, SOTF, Scheme Communication Protection.

2. **Skill-Based Learning Paths**

* Bus bar – Introduction to various types of Bus bar protection and testing methods
* Feeder Protection Step by Step Guide for Testing with Omicron & Dobel Software
* Motor Protection Step by Step Guide for Testing with Omicron & Dobel Software
* Transfromer Protection Step by Step Guide for Testing with Omicron & Dobel Software
* Generator Protection Step by Step Guide for Testing with Omicron & Dobel Software
* Line Protection Step by Step Guide for Testing with Omicron & Dobel Software

3. **Advanced skill Based Learning**

* Feeder relay configuration for ATS & MTS
* Motor protection relay, Transformer relay & Generator protection relay configuration.
* Line protection relay Configuration.
* IEC 61850 Configuration on relay,
* Goose communication between relays.