Practical Troubleshooting of **ELECTRONIC CIRCUITS** for Engineering and Technicians

**OVERVIEW**

**TARGET AUDIENCE**
- Those who wish to be able to multi-skill into electronics
- Maintenance technicians, electricians, foremen and engineers
- All engineering, operations or management personnel who are directly or indirectly involved with electronics controls
- Those involved with the installing, programming, maintaining and purchasing of electronic control equipment
- Those who want to improve their understanding and capabilities in electronic technology
- Those involved with sales and installation of electronic products into industry

**BENEFITS OF ATTENDING**

At the end of this workshop you will be able to:
- Recognise and efficiently troubleshoot common electronic component and circuit problems
- Demonstrate the construction and operation of common electronic components
- Utilise common electronic terminology
- Effectively apply the principles of analog meters, digital meters and oscilloscopes
- Identify electronic component symbols
- Identify components and read their values
- Implement procedures for the testing of electronic components
- Confidently carry out simple repair procedures for the correction of faults on printed circuit boards

**COURSE CONTENTS**

- Basic Concepts
- Discrete components part 1
- Circuit laws
- Amplifiers
- Using test equipment part 1
- Industrial Practices
- Introduction to troubleshooting
- Failure analysis and prevention in electronic circuits
- Testing in electronic circuits
- Device troubleshooting
- Design troubleshooting for digital and analog systems

**ASSESSMENT & CERTIFICATION**

**COURSE DURATION**

**COURSE FEES**

BD 0000 per candidate inclusive tuition fee, training materials, stationary, refreshments and certification

**FURTHER INFORMATION**

For further information or to book onto the course please contact us on:

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