



केन्द्रीय शैक्षणिक एवम् तांत्रिक माहिती संशोधन समीती

CENTRAL EDUCATION & INFORMATION TECHNOLOGY RESEARCH COMMITTEE

AN AUTONOMOUS INSTITUTION REGD. BY THE GOVT. OF NCT OF DELHI UNDER ITA 1882 GOVT. OF INDIA

REGD. BY NCS-MINISTRY OF LABOUR AND EMPLOYMENT GOVT. OF INDIA

REGD. AT MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES (MSME), GOVT. OF INDIA

An Autonomous Organization works for IT, HRD & Literacy



NCS-REGD. OFFICE
Govt. of India



सत्यमेव जयते

REGD. NO.: S14K81-1040424644087

Advance Diploma in Electrical Technical

Advance Diploma in Electronics is a Diploma level Electronics course. Electronics is the brain of Modern Technology. Even the computer is an electronic device. It is an evergreen subject that provides opportunities for technicians in the following areas of Engineering like Maintenance & Service, Research Assistance, Production Control, Quality Control and Marketing. The course provides students with a foundation in electronics. It emphasizes digital technology, gate array technologies and the application of microprocessor-controlled circuitry, communications and analogue electronics. Students learn how to provide technical leadership in the workplace and to design, commission, test, evaluate and diagnose faults in advanced electronic systems and associated apparatus.

Advance Diploma in Electronics Syllabus

Syllabus of Electronics as prescribed by various Universities and Colleges.

| Year I | |
|---------|-----------------------------------|
| Sr. No. | Subjects of Study |
| 1 | Professional Communication |
| 2 | Applied Mathematics III |
| 3 | Applied Physics |
| 4 | Applied Chemistry |
| 5 | Applied Mechanics |
| 6 | Engineering Mechanics & Materials |
| 7 | Electrical Engineering I |



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| 8 | Electronic Components and Devices. |
| 9 | Technical Drawing. |
| 10 | Elementary Workshop Practice. |
| 11 | Computer Application for Engineering |
| Year II | |
| 1 | Applied Mathematics II |
| 2 | Electrical Engineering II |
| 3 | Industrial Electronics & Transducers |
| 4 | Network Filters & Transmission Lines |
| 5 | Electronic Devices and Circuits. |
| 6 | Principles of Communication Engineering. |
| 7 | Principles of Digital Electronics |
| 8 | Electronics Workshop. |
| 9 | Programming in C & C++ |
| Year III | |
| 1 | Industrial Management and Entrepreneurship Development |
| 2 | Environmental Education & Disaster Management |
| 3 | Communication System |
| 4 | Electronic Instruments and Measurement. |
| 5 | Construction Management, Accounts & Entrepreneurship Development |
| 6 | Audio and Video System |
| 7 | Television Engineering |



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|----|--|
| 8 | Microprocessor and Application. |
| 9 | Project I (Problem) |
| 10 | Field Exposure |
| 11 | Electives (Any One) |
| | Elective |
| 1 | Modern Communication System |
| 2 | Advance Microprocessor & Interface |
| 3 | Bio Medical Electronics |
| 4 | Microelectronics |
| 5 | Microwave & Radar Engg. |
| 6 | Electronic Equipment Testing |
| 7 | Modern Consumer Electronics Appliances |

