

DETAILED SYLLABUS OF MONITOR DIAGNOSTIC AND SERVICING

INTRODUCTION

Classification of Monitors, Composite Monitor, CGA, VGA, SVGA etc.

Study of MDA, CGA, VGA, and SVGA in Details, Picture Tubes, Resolution, Pixels, Band Width, Scanning.

STUDY OF MONOCHROME MONITORS

Block Diagram and its Detail, Working Principle of Video Section, Working Principle of Horizontal Section, Working Principle of Vertical Section, Working Principle of Power Supply Section, Testing Points, Study with CRO

PRACTICAL

Circuit Tracing, Test Points, and Voltages measurements, Adjustments, Troubleshooting, Fault Finding and Diagnostic

COLOUR MONITORS

Difference between Mono and Colour Monitors, Light and Colour Theory, Colour Picture Tube and its Types, Block diagram, Detail of Video Section, Detail of Chroma Section, Test Points, Voltage Measurements, Trouble Shooting, Color Adjustments.