

**Department of Electrical Engineering  
Indian Institute of Technology, Madras  
Chennai**

**DST - Fund for Improvement in S&T Infrastructure**

**Brief Outline Department**

The Department of Electrical Engineering, IIT Madras has about 40 faculty members and 40 supporting staff, with a fine blend of renowned as well as young and dynamic personalities. It is involved in providing quality education at both Undergraduate (UG) and Postgraduate (PG) levels and has nearly 800 students on its rolls. The Department has strong Industry interaction and has been involved in development of state-of-art products for Industry.

**Teaching & Research Activities**

The Department of Electrical Engineering, IIT Madras has a broad based UG curriculum and specialized M.Tech. and Dual Degree programs in Communication Systems, Microelectronics & VLSI Design and Power Systems and Power Electronics. It also offers high quality research programs at MS and PhD levels. It has extensive fabrication, calibration and testing facilities for carrying out industry sponsored research and consultancy projects.

**Facilities Created**

- 1) **DWL 66 LASER WRITER system for mask making** is being used to generate masks with resolution of 1  $\mu\text{m}$ . This is compatible with the 1 $\mu\text{m}$  photolithography facility in the Microelectronics Laboratory.
- 2) **E 8362B Vector Network Analyzer (10 MHz – 26.5 GHz)** is being used to test microstrip circuits, printed components, (such as inductors), optical communication transceivers, stripline filters and patch antennas.
- 3) **VLSI Test facility consisting of Digital Storage Oscilloscopes, Logic analyzers. PCI Platform and associated software** has been set up to measure and capture events in the analog and digital domains.

**For further details contact**

**Professor V. Jagadeesh Kumar, Head**

Department of Electrical Engg.

Indian Institute of Technology Madras

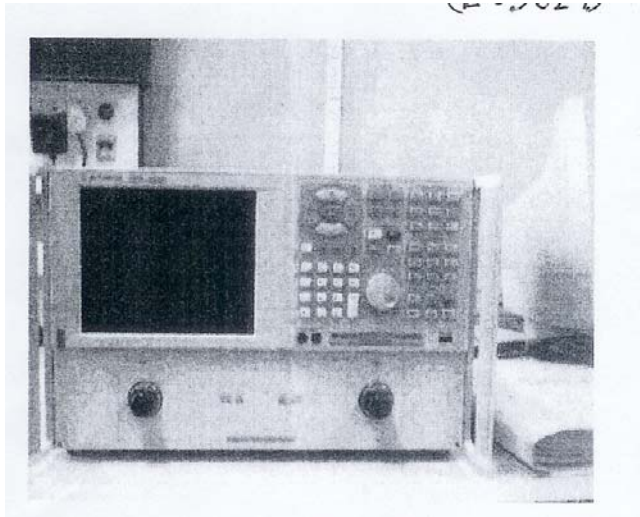
Chennai - 600036

Tel. No.(044) 22574401 (O), Fax no. .(044) 22574402

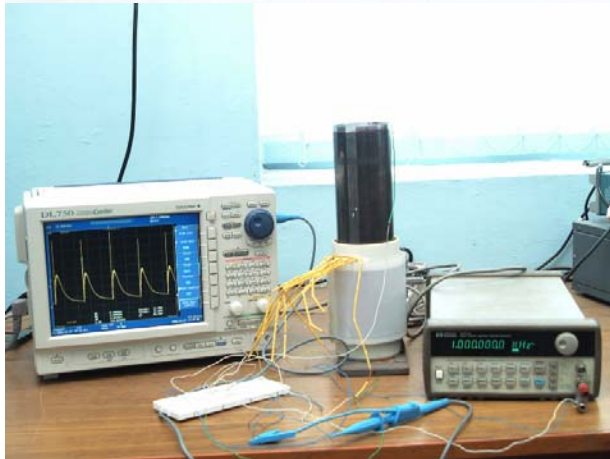
Email: [hodee@ee.iitm.ac.in](mailto:hodee@ee.iitm.ac.in), [vjk@ee.iitm.ac.in](mailto:vjk@ee.iitm.ac.in)

Scanned Photograph of DWL 66 Laser Writer System





Vector Network Analyzer



Digital Storage Oscilloscope and Logic Analyzer

