



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S
RESEARCH FOUNDATION
(Deemed to be University under section 3 of the UGC Act 1956)



Accredited by NAAC



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

LIST OF EXPERIMENTS

PROG, BRANCH,	B. E., E. C. E & B.M.E
YEAR/ SEMESTER, SECTION	III/VI
SUBJECT	MICROWAVE AND OPTICAL COMMUNICATION LAB-17ECCC91
ACADEMIC YEAR	2020-2021 (EVEN SEMESTER)

MICROWAVE

1. Characteristics of Gunn diode Oscillator.
2. Characteristics of Reflex Klystron oscillator.
3. Characteristics of Directional Coupler
4. Characteristics of E / H Plane waveguide Tee
5. Characteristics of Magic Tee.
6. Horn Antenna – Gain and directional Characteristics

OPTICAL COMMUNICATION

1. Numerical aperture determination for fibers
2. D.C. Characteristics of LED and PIN Photo Diode
3. Optical transmission using Analog Modulation
4. Data transmission through Fiber Optic Link.
5. PI Characteristics of LASER diode.

HOD/ ECE