INDEX
Subject: RADIATION & MICROWAVE TECHNIQUES

ROLL NO.: 42428 DIV. BE - 8 YEAR: 2020-2021 SEMESTER: I

List of Laboratory Experiments

Sr. No	Title of Experiments	Performance Date	Submission Date	Sign
1	To measure and compare radiation pattern, return loss, impedance, gain, beam width of Dipole antenna and folded dipole antenna at microwave frequency.			
2	Design, simulate and compare performance of microwave dipole antennas of length 2λ, λ, λ/2 and λ/4.			
3	To measure and plot mode characteristics of reflex klystron.			
4	To measure and verify port characteristics of microwave tees (E, H, E-H or magic planes).			
5	To measure and verify port characteristics of directional coupler and calculate coupling factor, insertion loss and directivity.			
6	To measure and verify port characteristics of isolator and circulator and calculate insertion loss and isolation in dB.			
7	To plot standing wave pattern and measure SWR for open, short and matched termination at microwave frequency using slotted section with probe carriage.			
8	To measure VI characteristics of Gunn Diode and study of PIN modulator.			
9	Study the network analyzer and carry out the measurements of s-parameters.			

This is to certify that Shri / kum. Kapadne Chandan Jitendra has carried out the above mentioned 9 experiments in **RADIATION & MICROWAVE TECHNIQUES** laboratory of the institute.

For PUNE INSTITUTE OF COMPUTER TECHNOLOGY, Pune: 43

Date: _____

Staff In charge **PRIINCIPAL**