



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



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



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DEPARTMENT OF BIOTECHNOLOGY

M.TECH BIOTECHNOLOGY

481171L2- MICROBIOLOGY LABORATORY

LIST OF EXPERIMENTS

Expt.No	Name of Experiment
1	Sterilization Techniques
2	Preparation Of Culture Media For Micro Organisms
	a. Broth type media
	b. Solid type media
3	Culture of Micro organisms
	a. Pure culture techniques
	i) Streak plate
	ii) Spread plate
	iii) Pour plate
4	Identification of Microorganisms
	a. Staining Techniques
	i) Simple staining
	ii) Gram staining
	iii) Endospore staining
	iv) Acid Fast staining
	v) Hanging drop
	b. Biochemical Testing
	i) Indole Test
	ii) Urease Test
5	Environmental Sample Analysis



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	i) Isolation and enumeration of microbes from soil sample
6	Food Microbiology i) Analysis of milk sample
7	Clinical Microbiology
	i) Isolation of normal mouth flora
	ii) <i>In vitro</i> Determination of Anti Microbial Sensitivity

A. V. L.

HOD/BIOTECH