CO OPERATIVE ARTS AND SCIENCE COLLEGE MADAYI P.G.DEPT.OF COMMERCE SEMESTER PLAN MCOM

SEMESTER 1

PERIOD: JULY TO NOV

_COM1C02 QUANTITATIVE TECHNIQUES AND OPERATION RESEARCH

MONTH	MODULE	HO URS	REMARKS
JULY	Module I. Probability -Meaning and definition -Basic concepts -Addition Theorem and MultiplicationTheorem -Bayes' Theorem (Applications Only)	10	
	Module II. Concept of Information -Definition -Types - Mathematical definition -Entropy - Redundancy DataReduction Techniques -Age, Quality and Value of Information -Application of Information concepts to MIS design. (12 hou	12	
August/Se ptember	Module III. Testing of Hypothesis -Introduction -Concepts basic to Hypothesis testing procedure Hypothesistesting for Mean -Difference between means -Hypothesis testing for Proportion Difference between Proportions –Z test-T test -F test. Contact Hours-10 Module IV. Operation Research (OR) -Introduction -Uses -Tools in OR -Modeling in OR -Limitations of OR.	10	

October/		15	
November	Module V. Linear Programming- Basic concepts- uses and applications- Graphic method of solution to the LPP Module VI. Network analysis -PERT and CPM -Basic concepts -Construction of Network Diagram Calculation of Critical Path -Float -Slacks - (Avoid Crashing of activities and Resource allocation)		