DR. MGR-JANAKI COLLEGE OF ARTS & SCIENCE FOR WOMEN
M. Sc (BIOINFORMATICS & CLINICAL TRAIL MANAGEMENT) - PAPERS OFFERED

I SEMESTER	
CORE	STRUCTURE, SYNTHESIS, REGULATION AND CELLULAR FUNCTIONS OF MOLECULES
CORE	PRINCIPLES OF BIOTECHNOLOGY
CORE	PRINCIPLES OF COMPUTATIONAL BIOLOGY AND BIOLOGICAL DATABASES
ELECTIVE	MATHEMATICAL AND STATISTICAL METHODS
ELECTIVE	CELL BIOLOGY
SOFTSKILL	ESSENTIAL OF LANGUAGE AND COMMUNICATION SKILLS

II SEMESTER	
CORE	BASIC PRINCIPLES OF CLINICAL TRAILS
CORE	GENOMICS AND PROTEOMICS
ELECTIVE	PHARMACOGENOMICS
EXTRA DISCIPLINARY	BIOINFORMATICS AND DRUG DESIGN
PRACTICAL	BIO PROGRAMMING - 1
PRACTICAL	BIOCHEMISTRY AND MOLECULAR BIOLOGY
PRACTICAL	BIO PROGRAMMING - 2
SOFTSKILL	SPOKEN & PRESENTATION SKILLS

III SEMESTER	
CORE	MOLECULAR SIMULATIONS, METHODS AND APPLICATIONS
CORE	CHEMINFORMATICS
CORE	DATA MANAGEMENT AND REGULATORY REQUIREMENTS OF CLINICAL TRIALS
ELECTIVE	MEDICAL INFORMATICS
EXTRA DISCIPLINARY	POTENTIAL APPLICATIONS AND COMMERCIAL ASPECTS OF BIOINFORMATICS
SOFTSKILL	TRANSLATIONAL & COMMUNICATION SKILLS
INTERNSHIP	

IV SEMESTER	
CORE	ADVANCED TOPICS IN BIOINFORMATICS
ELECTIVE	SYSTEM BIOLOGY : METHODS AND APPLICATIONS
ELECTIVE	MICROARRAY TECHNOLOGIES AND APPLICATIONS
PROJECT	PROJECT & VIVA
PRACTICAL	TOOLS & THEIR APPLICATIONS IN BIOINFORMATICS
SOFTSKILL	LIFE AND MANAGERIAL SKILLS