

M.V.R. DEGREE COLLEGE
(UG And PG Courses)
(Affiliated to Andhra University)
An Institution of Priyadarshini Educational Academy
NAAC ACCREDITED COLLEGE

Dr.V.Rama Rao, M.A.,Ph.D.,
Secretary & Correspondent

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Principal

Department of Human Genetics
Bachelor of science

APSCHE, Revised Syllabus of Human Genetics under CBCS Framework
w.e.f 2020-21(revised in April 2020)

Program Specific OutComes (PSOs)

PSO1	Human genetics is the study of genes and their interaction with the environment. One of the ever fascinating mechanisms known to man is reproduction and genetics examines this mechanism of biological inheritance.
PSO2	Mapping of human genome has led to extensive research in this field, this subject covers human genetics, developmental genetics, r-DNA technology, population genetics, molecular genetics, stem cell therapy, gene therapy, biostatistics, bioinformatics , biochemical genetics.
PSO3	The practical paper in all three core subjects (Human genetics, biochemistry, biotechnology focuses on experimental learning through custom designed laboratory experiments.
PSO4	Explain the chromosome structure of human and structural mutation of chromosome categorizes human chromosomes. Relate chromosome mutations and genetic diseases. Compare the genetic structure of human gonosomes. Explain the organization of the DNA in human genome. Illustrate gene families.
PSO5	Synthesize and incorporate the fundamentals of gene technology in order to understand how such technology impacts humans. Employ the scientific method to generate new knowledge, and to solve problems, regarding human heredity. Apply to real life situations and one's life the principles of human heredity. Access historical and current knowledge regarding human heredity, and understand how such knowledge has influenced law, medicine and society.
PSO6	Apply to real life situations and one's life the principles of human heredity. Access historical and current knowledge regarding human heredity, and understand how such knowledge has influenced law, medicine and society.

