

**Shri Agrasen Kanya Post Graduate College
Bulanala/Parmanandpur Varanasi**

Department of Biotechnology (UG)

Programme Specific Outcomes:-

PSO1: demonstrate and apply their knowledge of cell biology, genetics, Molecular biology and genetic engineering to solve the problems related to the Field of biotechnology

PSO2: gain knowledge about the application of various types of microscope, Karyotyping, banding techniques, chromosome painting and FACS.

PSO3: understand the basic concepts of genetics and molecular biology such as Inheritance pattern, DNA replication, transcription and translation

PSO4: understand and perform various recent molecular and recombinant DNA technology techniques in early diagnosis and prognosis of human diseases.

PSO5: perform experiments of DNA isolation, agarose gel electrophoresis, gene cloning, transformations, protein expression and purification. This experience would enable them to begin a career in industry that engages in genetic engineering as well as in research laboratories conducting fundamental

Research.

PSO6: apply at technical positions in different research laboratories, diagnostic centres and industries.