

**Department of Biotechnology**  
**M.Sc. Biotechnology (Semester) – (2018-2020)**  
**Objectives, Outcomes, Regulations**

**Programme Objectives:**

- To enable the students acquire knowledge about biological databases.
- To enable the student acquire the knowledge about technical skills in biotechnology.
- To enable the students to understand about the basics of Molecular biology & Molecular genetics.

**Programme Outcomes**

**Knowledge**

PO 1: Acquisition of advanced knowledge for higher studies and research.

PO 2: Synthesis of knowledge and critical thinking

**Skills**

PO 1: Life Skills and Skills for contribution to nation building.

PO 2: Acquisition of specialized skills for entrepreneurship/employability.

**Attitude**

PO 1: Acquisition of professional ethics and human values.

PO 2: National Integration and Social Commitment to Society.

**Programme Specific Outcomes:**

- **Knowledge:** Core course of biotechnology like Biochemistry, Molecular biology, rDNA technology helps to improve the basic knowledge.
- **Skill Development:** Project and practical training in various fields of biotechnology.
- **Higher level ability:** Technical skills like SDS PAGE, PCR, Cloning, Transforamtion, Micropropagation develop higher level ability .
- **Progression to higher studies:** Indepth knowledge on Animal biotechnology, Molecular biology, Biochemistry, rDNA technology, Microbial biotechnology equip the students to go for higher studies.
- **Entrepreneurship and Employment:** Ability to design experiment during research project, Opportunities in learning bee keeping , Mushroom cultivation helps in becoming entrepreneur.