

# **BASIC RECOMBINANT DNA TECHNOLOGY**

**(Course Duration: 10-15 Days)**

## **Coursework**

**An introduction to Recombinant DNA Technology**

**Isolation of DNA from fruit**

**Isolation of DNA from Plant source**

**Instrumentation in Biotechnology and Molecular Biology**

**Industrial Isolation and purification of Genomic DNA from animal tissues**

**Isolation and purification of Genomic DNA from Prokaryotes**

**Isolation of Plasmid DNA from prokaryotes**

**Purification of DNA**

**Restriction enzymes in the field of Recombinant DNA Technology**

**Restriction digestion**

**AGE (Gel Electrophoresis and applicability in Industries)**

**U.V. Transillumination and the applicability in Biotech industries**