



INDUSTRIAL ENZYMOLOGY & MICROBIAL BIOTECHNOLOGY

Duration: 30 days

Code: HEMB-30

Basics of Enzyme technology and importance of biocatalysts in different metabolic pathways

Isolation of micro-organisms from soil by serial dilution

Study of Colony morphology

Pure culture preparation

Sterilization techniques

Screening for enzyme production

Identification of bacteria by Gram Staining

Biochemical characterization

In vitro production of enzymes

Salt precipitation of enzymes

Enzyme assay

Quantitative estimation of Enzymes

Kinetic study of enzymes

- **Effect of Activator**
- **Effect of Inhibitor**

Immobilization of Enzyme

Project (Optional)

BIOAXIS DNA Research Centre Pvt Ltd