

INDUSTRIAL ENZYMOLOGY AND PHARMACOLOGY

(Course Duration: 30 Days)

Coursework

Basics of enzymes its uses and different pathway analysis

Isolation of micro-organisms from soil by serial dilution

Pure culture preparation

Screening for the enzyme production

Batch Culture

Enzyme purification

Salt precipitation technique

Enzyme assay

Quantitative estimation of Protein

Traditional and Industrial Drug discovery

Energy optimization

KEGG and its applications

HPLC Basics

Inhibition and drug targeting

Enzyme kinetic

a. pH

b. Temperature

c. Substrate conc

d. Inhibitor

SDS Page basics

Immobilization of Enzyme

Major Industrial Project