



DEPARTMENT OF BIOTECHNOLOGY
SRI Y.N. COLLEGE (AUTONOMOUS), NARSAPUR – 534275

Affiliated to Adikavi Nannaya University
Thrice Accredited by NAAC with 'A' Grade
Recognized by UGC as "College with potential for Excellence"



BRIDGE COURSE

2022 - 2023

UNIT - I

Introduction to Biotechnology: Definitions of Biotechnology, Abbreviation, Old and new Biotechnology, an interdisciplinary activity, developments in Biotechnology, applications of Biotechnology.

UNIT - II

Scope of Biotechnology: Scope and importance of Biotechnology, areas of Biotechnology, commercial potential of Biotechnology, Biotechnology in India.

Fundamentals of Cell biology, genetics, molecular biology, biochemistry, Introduction to Biostatistics and Bioinformatics.

UNIT - III

Instruments in Biotechnology: Analytical tools and techniques: Autoclave, hot air oven, laminar air flow, incubator, electrophoresis, Centrifuge, spectroscopy, microscopy, digital cell counter, weighing balance, calorimeter, and chromatography chamber,.

APPROVED

K. S. [Signature]
CH. Yaswanthi.
3-9-2022

Kishor D. [Signature]
V.T. Vanoloma
3/9/22

S - D - 8/3/22
CHAIRMAN
BOARD OF STUDIES
DEPARTMENT OF BIOTECHNOLOGY
Sri Y.N. College (Autonomous)
(Affiliated to Adikavi Nannaya University)
Accredited by NAAC with 'A' Grade with CGPA of 3.40
NARSAPUR - 534 275

[Signature]
3/9/22