



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

2021 - 2022

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 Biostatics 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. Bh

T. Ravil

P. Chennakeswari

Srinath

Ramya

S. D. S.

CHAIRMAN
BOARD OF STUDIES
DEPARTMENT OF MICROBIOLOGY
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