



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

2019 - 2020

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

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Santhosh

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S. D. S.

CHAIRMAN
BOARD OF STUDIES
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