



**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**

**2018 - 2019**

**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. Bh

T. Ravi

P. Chennakeswari

Srinath

Ramya

S. D. S.

CHAIRMAN  
BOARD OF STUDIES  
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