

SARDAR PATEL COLLEGE

DEPARTMENT OF BIOTECHNOLOGY

REPORT ON WORKSHOP AT MANNA BIOTECH LAB

**DATE** :- 04 & 05 August 2025

**EVENT**:-Molecular biology & R-DNA technology workshop at Manna Biotech Labs.

**OBJECTIVE** :-To understand techniques & detailed procedures about

- 1)Extraction of bacterial DNA
- 2)Agarose gel electrophoresis
- 3)PCR(Polymerase chain reaction)
- 4)SDS-PAGE (for separation of proteins)

**REPORT** :-The department of life sciences organized a visit to Manna Biotech Lab, Mallapur, Hyderabad. Students of B.Sc IIInd year biotechnology attended a two day workshop on Molecular Biology & R-DNA Technology at the labs. The CEO of Manna Biotech lab Dr. Chathyukshya welcomed us & initiated the registration of our students for the workshop. Firstly they explained briefly about the techniques that would be taken up for the two days. Nextly, they started doing all the procedures.

Outcomes :- 1) Students got hands on experience in isolation , centrifugation & incubation procedures for extraction of bacterial DNA.

- 2) Amplification of isolated bacterial DNA using PCR techniques.
- 3)Agarose gel electrophoresis for DNA.
- 4)Seperation of proteins using SDS-PAGE
- 5)Handling of different instruments used in molecular biology lab.

Total no. of Students :-14

Faculty Members:- 1) Mrs.M.Rajini

2) Mrs.B.Swati

3)Ms.Shravani

  
HEAD OF THE DEPARTMENT

  
PRINCIPAL

07/08/25