



# St. Ann's College for Women

(Autonomous) Affiliated to Osmania University  
Accredited 'A' Grade (3.24/4) by NAAC (4<sup>th</sup> Cycle)  
College with Potential for Excellence by UGC  
Mehdipatnam, Hyderabad - 500028

## DEPARTMENTS OF MICROBIOLOGY & BIOCHEMISTRY

In Association With

**GENE SEQUENCING INDIA PVT.LTD**



ORGANIZES

*Two-Day Workshop On*

# Identification of Bacteria by 16S rRNA Sequencing

### KEY HIGHLIGHTS OF THE WORKSHOP:

- 1 GENOMIC DNA EXTRACTION – FROM BACTERIAL & FUNGAL SOURCES
- 2 AGAROSE GEL ELECTROPHORESIS – 1%/2% GEL PREPARATION
- 3 QUALITY & QUANTITY ASSESSMENT – USING ELECTROPHORESIS & NANODROP/QUBIT
- 4 PCR AMPLIFICATION – USING UNIVERSAL PRIMERS & TROUBLESHOOTING
- 5 PURIFICATION OF PCR PRODUCT – ENSURING HIGH-QUALITY DNA
- 6 SANGER SEQUENCING – GENERATING SEQUENCE DATA
- 7 SEQUENCE ALIGNMENT & ANALYSIS – INTERPRETATION OF RESULTS



**7<sup>th</sup> & 8<sup>th</sup> March, 2025**



**Microbiology Lab**



**Registration Amount Rs.700/-**