



ISO 9001:2015 Certified Institution

Balaji Institute of Technology & Science

Estd.:2001

Laknepally (V), Narsampet (M), Warangal District - 506 331, Telangana State, India

(AUTONOMOUS)

Accredited by NBA (UG - CE, ME, ECE & CSE) & NAAC A+ Grade

(Affiliated to JNT University, Hyderabad and Approved by AICTE, New Delhi)

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DEPARTMENT OF HUMANITIES & SCIENCES

ENGINEERING CHEMISTRY LAB

LIST OF EXPERIMENTS

1. Determination of total hardness of water by complexometric method using EDTA.
2. Estimation of the concentration of an acid by Conductometry.
3. Estimation of the amount of Fe^{+2} by Potentiometry.
4. Determination of an acid concentration using pH meter.
5. Preparation of Bakelite.
6. Preparation Nylon – 6.
7. Estimation of acid value of given lubricant oil.
8. Estimation of Viscosity of lubricant oil using Ostwald's Viscometer.
9. Determination of rate of corrosion of mild steel in the presence and absence of inhibitor.
10. Construction of Fuel cell and its working.
11. Smart materials for Biomedical applications.
12. Batteries for electrical vehicles.
13. Functioning of solar cell and its applications.