



# MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

## DEPARTMENT OF FRESHMAN ENGINEERING

### LABORATORY EQUIPMENT - ENGINEERING CHEMISTRY LAB

This laboratory provides builds proficiency in experimental techniques, use of glassware items measurement accuracy, and understanding the chemical principles that support real-world engineering applications details are as follows:

#### Laboratory Equipment:

| S.NO | ITEM                   | MAKE               | NO OF QUANTITY |
|------|------------------------|--------------------|----------------|
| 1    | Pipette                | BOROSILICATE       | 60             |
| 2    | Burette                | BOROSILICATE       | 90             |
| 3    | Beaker                 | BOROSILICATE       | 60             |
| 4    | Standard flask         | BOROSILICATE       | 38             |
| 5    | Conical flask          | BOROSILICATE       | 100            |
| 6    | Potential-meter        | INFRA/Fe MATERIAL  | 10             |
| 7    | Conducto-meter         | INFRA/Fe MATERIAL  | 10             |
| 8    | Viscometer             | BOROSILICATE       | 34             |
| 9    | Stop clocks            | DIGITAL RACER      | 40             |
| 10   | Analytical balance     | Fe MATERIAL        | 3              |
| 11   | Water distillation set | Fe MATERIAL        | 1              |
| 12   | Wash bottles           | PLASTIC            | 30             |
| 13   | Measuring jar 5ml      | BOROSILICATE       | 15             |
| 14   | Measuring jar 10ml     | BOROSILICATE       | 20             |
| 15   | Measuring jar 100ml    | BOROSILICATE       | 25             |
| 16   | Reagent bottle         | BOROSILICATE       | 30             |
| 17   | Magnetic stirrer       | Fe MATERIAL        | 2              |
| 18   | Funnel                 | BOROSILICATE       | 60             |
| 19   | Shaker bath            | Fe MATERIAL        | 1              |
| 20   | Burette stand          | Fe MATERIAL        | 40             |
| 21   | Water bath(12holes)    | Fe MATERIAL        | 1              |
| 22   | PH Meter               | Elico /Fe MATERIAL | 4              |

HOD

Freshman Engineering