

Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada

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| --- | --- |
| **BLOCK :**  | **E** |
| **FLOOR :**  | **GROUND FLOOR** |
| **ROOM NO:**  | **010** |
| **ROOM SIZE (in Sq. mtrs):** | **90** |
| **LAB NAME:** | **Applied / Engineering PHYSICS LAB** |
| **FANS :**  | **6** |
| **TUBE LIGHTS :**  | **3** |
| **CHAIRS :**  | **2+2** |
| **STAFF TABLES :**  | **2** |
| **EXPERIMENT TABLES :**  | **17** |
| **CLOSED IRON RACKS :**  | **2** |
| **WOODEN CLOSED RACKS :** | **1** |
| **Others:** |  |
| **LAB SPECIFICATIONS** |
| **SI.No.** | **NAME OF THE EXPERIMENT** | **APPARATUS REQUIRED** | **No. AVAILABLE** |
| **1** | Compound Pendulum | Bar Pendulum | 6 |
| Stop Watch | 10 |
| **2** | Melde's Expt | Melde's Set | 10 |
| Weights Box | 9 |
| Battery Eliminator | 13 |
| **3** | Volume Resonator | Aspirator Bottles | 5 |
| Measuring Jars | 6 |
| Glass Beakers | 9 |
| **4** | Zener Diode | Zener Diode Kits | 11 |
| **5** | LCR -Series and Parallel  | Kits | 9 |
| Signal Generators  | 10 |
| Connecting Wires | 70 |
| **6** | Sonometer | Sonometer sets | 9 |
| Tuning Forks Sets | 14 |
| Brass Wiare Roll ( 500 gm) | 1 |
| Copper Wire Roll ( 500 gm) | 1 |
| Steel Wire Role (500 gm) | 1 |
| Rubber hammers | 5 |
| **7** | Torsion Pendulum | Circular Disks | 7 |
| Vernier Calliperse | 8 |
| Screw Gauge | 8 |
| Meter scale | 7 |
| **8** | Thermistor Characteristics | Kits | 5 |
| Caloriemeters | 8 |
| Thermometers | 10 |
| **9** | Stewart Gees Circular Coil | Circular coils | 8 |
| Compass Box | 7 |
| Rheostats | 7 |
| Plug Key Boxes | 5 |
| Commutators | 6 |
| **10** | p-n Junction diode | Kits | 5 |
| **11** | Hall Effect | Kits | 4 |
| **12** | Newton Rings | Travelling Microscopes | 6 |
| Sodium Vapor lamps | 2 |
| Battery | 1 |
| **13** | Diffraction Grating | Spectrometers | 7 |
| Diffracation Gratings | 3 |
| Mercury Vapor Lamps | 1 |
| **14** | Energy Gap of Semiconductors | Circuit Kits | 5 |
| **15** | CR circuits | Kits | 6 |