

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 |