






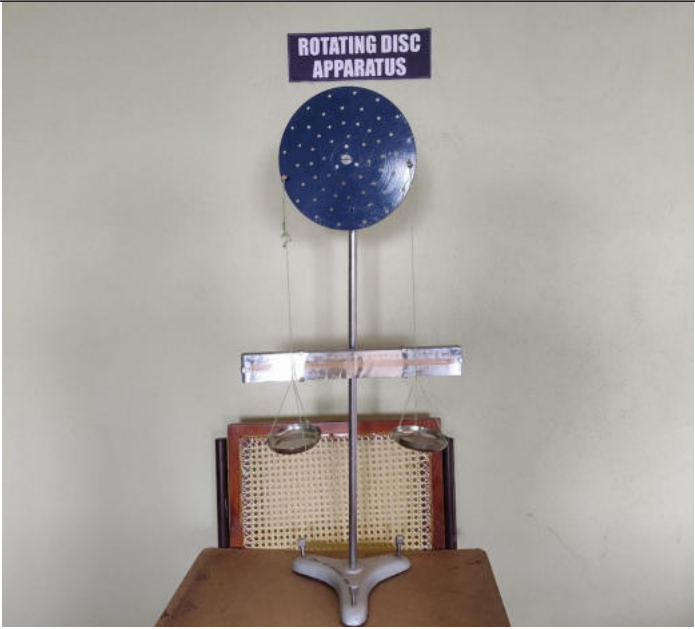
ANNAMACHARYA UNIVERSITY
CIVIL ENGINEERING DEPARTMENT



Name of the Lab: Engineering Mechanics & Building Practice Lab

Name of the Lab in-charge: Mr. B. Raghunatha Reddy

| S.No. | Equipment Photo | Name of the Equipment | Specifications | Price |
|-------|---|-----------------------------|--|-------------|
| 1. |  A photograph of a Pin Jointed Truss Apparatus. It features a blue metal frame with a white base. A network of thin rods is connected by pins at various points, forming a truss structure. A central vertical rod has a weight hanger attached to it. A label on the top of the frame reads "PIN JOINTED TRUSS APPARATUS". | Pin Jointed Truss Apparatus | <ul style="list-style-type: none"> • Loads applied using hangers and slotted weights (range: 0–1 kg each). | Rs. 42000/- |
| 2. |  A photograph of a Universal Force Table. It consists of a circular metallic disc mounted on a central vertical stand. The disc is marked with degree graduations. Four pulleys are attached to the edge of the disc. Cords are draped over the pulleys, and weights are hanging from them. A label on the top of the disc reads "UNIVERSAL FORCE TABLE". | Universal Force Table | <ul style="list-style-type: none"> • Smooth circular metallic disc, diameter 400 mm, marked with degree graduations (0°–360°) for precise angle measurement. • 4 low-friction pulleys, adjustable around the table circumference; made of brass or aluminum with hooks for cords. • 4 weight hangers (10–20 g each) with slotted weights (range 10 g–200 g) | Rs. 10600/- |

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| 3. |  <p>A photograph of a 'Parallelogram of Forces Apparatus' mounted on a green background. The apparatus consists of a black rectangular frame with a central black square. Two strings are attached to the top corners of the frame, pass over small pulleys, and then hang down with weights attached. A label at the top reads 'PARALLELOGRAM OF FORCES APPARATUS'.</p> | Parallelogram of Forces Apparatus | <ul style="list-style-type: none"> • Polished wooden drawing board, size approx. 600 mm × 600 mm • Two frictionless pulleys mounted on adjustable clamps at the board edges for smooth string motion. • 3–4 weight hangers (10–20 g each) with slotted weights (range 10 g–200 g). | Rs. 3100/- |
| 4. |  <p>A photograph of a 'Fly Wheel 20 CM' mounted on a green background. The apparatus features a large red flywheel attached to a white metal frame. A black rectangular label above it reads 'FLY WHEEL 20 CM'. A vertical rod is attached to the side of the flywheel.</p> | Fly Wheel 20cm | <ul style="list-style-type: none"> • Wheel dia. 20cm • Set of weights (10 g–200 g) • Supported on low-friction ball bearings for smooth rotation | Rs. 5750/- |

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| 5. |  | Combined Inclined Plane & Friction Slide Aparatus | <ul style="list-style-type: none"> • Adjustable wooden plane • protractor scale for angle adjustment • Set of weights (10 g–200 g) for applying tangential load. • Interchangeable plates (e.g., wood, steel, glass, aluminum, rubber) for testing different surface pairs. | Rs. 6700/- |
| 6. |  | Rotating Disc Apparatus | <ul style="list-style-type: none"> • Disc dia 300mm • Stainless steel shaft mounted on low-friction ball bearings for smooth rotation. | Rs. 6900/- |

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| 7. |  | Center of gravity Apparatus | <ul style="list-style-type: none"> • Rectangular lamina, Triangular lamina, Circular lamina, irregular lamina • Each lamina provided with 3 at various points for suspension | Rs. 3600/- |
| 8. |  | Bell Crank Lever Apparatus | <ul style="list-style-type: none"> • Graduated scale • Two hooks provided at each arm end for weight hangers • Steel lever, typically 200 mm × 400 mm arms (ratio 1:2), pivoted at the center. | Rs. 6700/- |