








Equipments using in Research & Development:

| S. No | Name of the equipment | Equipment Image |
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| 1 | Gas chromatography |  A white SYSTRONICS gas chromatograph is shown on a wooden surface. To its left is a rack containing several vials. The device has a red 'SYSTRONICS' logo and 'GAS CHROMATOGRAPH' printed on the front. |
| 2 | Atomic absorption spectroscopy |  A white atomic absorption spectrophotometer is shown. It features a central black sample compartment and various control knobs and dials on the front panel. A sign above the device reads 'ATOMIC ABSORPTION SPECTROSCOPY'. |
| 3 | Universal testing machine (1000 KN) Capacity. |  A green universal testing machine is shown in a laboratory setting. It has a large green base and two vertical columns with a crosshead in the middle, used for material testing. |

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| 4 | Torsion testing machine. |  |
| 5 | Spring Tensile testing machine. |  |
| 6 | Direct shear apparatus |  |

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| 7 | Tri-axial shear apparatus |  A photograph of a tri-axial shear apparatus in a laboratory. The apparatus consists of a central grey metal frame with a vertical column and a horizontal crossbar. A large white cylindrical chamber is mounted on the left side, connected to various pipes and gauges. To the right, there is a smaller grey metal box with a circular opening and a pressure gauge. The setup is on a wooden pallet on a tiled floor. In the background, there are metal grilles and a sign that reads "TRIAxIAL APPARATUS". |
| 8 | Slump cone apparatus |  A photograph showing three blue slump cone apparatuses. Each apparatus consists of a blue metal cone with a handle on top, mounted on a circular base. They are arranged on a wooden bench against a plain wall. The cones are used for testing the consistency of fresh concrete. |
| 9 | Aggregate Impact Testing Machine |  A photograph of an aggregate impact testing machine. The machine is blue and has a vertical frame with a horizontal arm that can swing down to impact a specimen. A large blue hand wheel is visible on the right side for manual operation. A blue sign on the wall behind the machine reads "AGGREGATE IMPACT TESTING MACHINE DATE OF PURCHASES:10-09-2013 COST:RS.9500/-". |

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**Marshall
Stability
apparatus**



