**Structural Engineering & Construction Management Program**

**Structural Eng. Lab**

**List of equipment**

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| **List of equipment** | **Discipline** | **No.** |
| * + Concrete molds (cubes & cylinders)   + Compressive strength test Machine   + Slump test equipment   + Concrete mixer   + Mortar cube sampler   + Cement setting time test equipment | **Strength of Materials** | **1** |
| * + Manual levels   + Manual Theodolites   + Digital Theodolites   + Total Stations | **Surveying** | **2** |
| * + General Purpose testing Frame | **Concrete Str.** | **3** |
| * + General Purpose testing Frame | **Steel Str.** | **4** |
| * + CBR & Unconfined compressive test   + Permeability tests (constant & Falling head)   + Sieve analysis & Hydrometer test   + Direct shear test   + Odometer test   + Sand Cone & Proctor tests | **Soil Mechanics** | **5** |

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| **Concrete molds** | **Compressive strength test Machine** |
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| **Slump test equipment** | **Concrete mixer** |

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| **Mortar cube sampler** | **Cement setting time test equipment** |

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| **Electrical drying oven** | **Precise balance** |

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| **CBR & Unconfined compressive test** | **Constant head Permeability test** |

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**Hydrometer test**

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**Direct shear test**

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**Odometer test**



**Proctor test**

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|  | **Sieve analysis** |

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| **Sieve analysis** | **Sand Cone test** |

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| **Manual level** | **Manual Theodolite** |

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| **Total Stations** | **Digital Theodolite** |

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**General Purpose testing Frame**