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

Chebrolu (V&M), Guntur (Dt), A.P-522212

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| **BLOCK :**  | **G** |
| **FLOOR :**  | **GROUND FLOOR** |
| **ROOM NO:**  | **001/CONCRETE TECHNOLOGY LAB** |
| **ROOM SIZE (in Sq. mtrs):** | **41.8** |
| **LAB NAME:** | **CONCRETE TECHNOLOGY LAB** |
| **FANS :**  | **1** |
| **TUBE LIGHTS :**  | **0** |
| **CHAIRS :**  | **1** |
| **STAFF TABLES :**  | **1** |
| **EXPERIMENT TABLES :**  | **1** |
| **CLOSED IRON RACKS :**  | **1** |
| **WOODEN CLOSED RACKS :** | **1** |
| **Others:** | **STOOLS-12** |
| **LAB SPECIFICATIONS** |

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| **SL.NO** | **NAME OF THE EXPERIMENT** | **EQUIPMENT REQUIRED** | **EQUIPMENT** | **WORKING STATUS** |
| 1 | Determination of normal Consistency and fineness of cement.  | Vicat’s apparatus AND 90MICRON Sieve | Available  | Working |
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| 2 | Determination of initial setting time and final setting time of cement | Vicat’s apparatus | Available  | Working |
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| 3 | Determination of specific gravity and soundness of cement. | specific gravity bottles and Lechatlier’s apparatus. | Available and Lechatlier apparatus not available | Working |
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| 4 | Determination of compressive strength of cement. | compressive cube of size 70.6mmX70.6mmX70.6mm | Not available | Working |
| 5 | Determination of grading and fineness modulus of Coarse aggregate by sieve analysis. | Standard set of sieves for coarse aggregate | Available | Working |
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| 6 | Determination of specific gravity of coarse aggregate | Wire basket and Spring Balance | available | Working |
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| 7 | Determination of grading and fineness modulus of fine aggregate (sand) by sieve analysis. | Standard set of sieves for fine aggregate | Available | Working |
| 8 | Determination of bulking of sand. | 1000 ml jar | Available | Working |
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| 9 | Determination of workability of concrete by compaction factor method. | Compaction factor test apparatus | Available | maintenance |
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| 10 | Determination of workability of concrete by slump test | Slump test apparatus | Available | Working |
| 11 | Determination of workability of concrete by Vee-bee test. | vee -Bee test apparatus | not available | NO |
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| 12 | Determination of compressive strength of cement concrete and its young’s modulus. | Compression Testing Machine | Available | Not Working |
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| 13 | Determination of split tensile strength of concrete. | Compression Testing Machine | Available | Not Working |
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| 14 | Non-Destructive testing on concrete (for demonstration) | Rebound Hammer | Available | Not Working |
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