

Date: 01-10-2022

**Curriculum for “An Insight into the Construction Material Manufacturing and Industries related to Civil Engineering Infrastructure”.**

**Duration: 120 Hr**

**Overview**

The course will provides an overview of all skills needed for a civil engineer in construction industries.

**Syllabus**

**1. TILE MANUFACTURING INDUSTRIES**

Manufacturing of paver blocks, solid blocks, kerb stones

**2. INDUSTRIAL STEEL STRUCTURES**

Roof truss, steel columns, chimney, rice production units.

**3. RMC PLANT AND STONE QUARRY**

RMC batching unit, mix design, RMC vehicle, Stone quarry crusher, Production of stone, M-sand, Quarry dust.

**4. TUMKUR SMART CITY AND ITS INFRASTRUCTURES**

Data Centre, city roads surveillance, traffic monitoring, traffic signals monitoring, Panic assistance, Tumkur city Bus Stand and Library, Glass House, Amani kere.

**5. EARTHEN DAMS AND HILL ROAD CONSTRUCTIONS**

Earthen dam construction at Amanikere, Tumkur, Maidalkere construction, water supply to Tumkur city, hill road construction to Basadi betta .

**6. LIFT IRRIGATION**

Lift Irrigation project (yethinahole project) , aqua duct, precast yard of deck slab and pier construction , reinforcement detailing of aqua duct segments, 33 METER 5 SECTION ZZ-FOLD BOOM PUMP (33X-5ZZ) operating procedures.

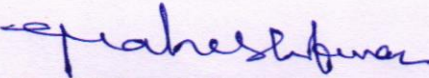
**Assessment:**

**Students should obtain:**

Min 80% of attendance

Min 80% Participation in practice session

Power point Presentation of the complete course – 100 Marks

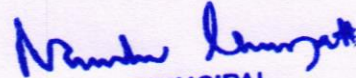


(Dr. G Mahesh Kumar)

**HOD**

**HOD**

**Dept. of Civil Engineering**  
**SIET, TUMKUR - 6.**



(Dr. Narendra Viswanath)

**PRINCIPAL**  
**SIET, TUMKUR.**  
**Principal**

Date: 02-11-2022

**REPORT on An insight into the Construction Material Manufacturing and Industries related to Civil Engineering Infrastructure courses conducted under ShriTEK Innovation, Tumkur.**

**Program duration:** 11th October 2022 to 31st October 2022

**No. of Participants:** 28

**Program Coordinator:** Dr. C Nagaraja, Professor, CED, SIET


**Objective:**

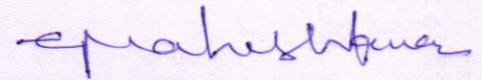
The objective of this program is to enrich student with the knowledge on **An insight into the Construction Material Manufacturing and Industries related to Civil Engineering Infrastructure.**

**Outcome:**

The participants have acquired knowledge of construction of building materials, infrastructures construction and post/ pre construction its monitoring, water tanks, water supply to Tumkur city, hill road construction, lift irrigation (Yethinahole project) The course fulfills the basic requirement for a civil engineering career.

Certificates were distributed to the participants who have attended minimum 80% of the sessions.

  
PRINCIPAL  
SIET., TUMAKURU.

  
(Dr. G Mahesh Kumar)  
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