

KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

DEPARTMENT OF CIVIL

13.01.2023

CIRCULAR

Ref.: KCET/CIVIL/VAC/CIRCULAR/2022-23/01.

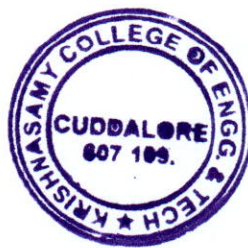
The following Value Added Course will be conducted during the academic year 2022-2023. The course will be conducted from 23.01.2022 to 28.01.2023. Students are instructed to register their names in the course allotted to them.

Note: Students are instructed to attend the program without fail.

S.No.	Course Code	Name of the Course	Year	No. of Period	Course Coordinator
1	CE-VAC2201	SAFETY IN CONSTRUCTION WORKS	IV	30	Er.C.Sureshkumar, AP/CIVIL
2	CE-VAC2202	ADVANCED EQUIPMENTS APPLICATION IN CONSTRUCTION	III	30	Er.V.Thirumurugan AP/CIVIL

P. Pui
13.1.23

HOD/CIVIL

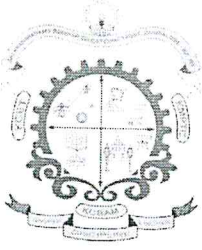


Copy to:

Class Room

Class In charge

Department File



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SYLLABUS

Subject Code/ Subject Name: CE-VAC2201 - SAFETY IN CONSTRUCTION WORKS

Duration: 30 Hours

COURSE OBJECTIVE:

- To study and understand the formulation, costing of construction projects, scheduling and various safety concepts and its requirements applied to construction projects.

Module I- Basic Safety

Basic terminology in safety - types of injuries - safety pyramid - Accident patterns - Planning for safety budget, safety culture. 6

Module II -Safety Assessment

Introduction to OSHA regulations - Site safety programs - Job hazard analysis, accident investigation & accident indices-violation, penalty. 6

Module III – Safety In Construction

Safety during alteration, demolition works – Earthwork, steel construction, temporary structures, masonry & concrete construction, cutting & welding 6

Module IV – Safety Handling Procedure

Construction equipment, materials handling- disposal & hand tools - Other hazards – fire, confined spaces, electrical safety. 6

Module V- Current Trends In Safety

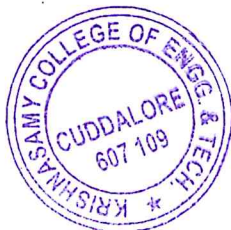
Construction project safety management using BIM. 6

TOTAL: 30 PERIODS

COURSE OUTCOMES:

At the end of the course the student will be able to

1. Analyse project risk.
2. Identify and estimate the safety activity in the construction.
3. Develop the knowledge on accidents and their causes.
4. Plan, assess, analyse and manage the construction project sites.



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