

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, Kumarapuram, Cuddalore – 607 109.

Phone no.(04142) 285 601- 604

www.kcet.in

info@kcet.in

DEPARTMENT OF CIVIL ENGINEERING

(Academic Year 2021-2022)

Date:11.01.2022

CIRCULAR

It is planned to conduct a value added course for III & IV year Civil Engineering students on the subject given below. Each module is scheduled from 18.01.2022 To 22.01.2022. The course plan, test procedure, attendance are followed as per regulation 2017. It is highly advised that the students should attend all the sessions and get benefited of the course.

The syllabus for the same has been formulated and will be circulated to students. The eminent staff from our department is invited to give lectures on topics from syllabus.

| S.No | Year | Code/Name of the subject | Duration in Hours | Subject Incharge |
|------|------|--|-------------------|--------------------------------|
| 1 | IV | CE-VAC2101/Safety Management In Construction Aspect | 30 | Er.C.Sureshkumar AP/Civil |
| 2 | III | CE-VAC2102/ Solid Waste Management | 30 | Er.P.Dhinesh kumar AP/Civil |


HOD

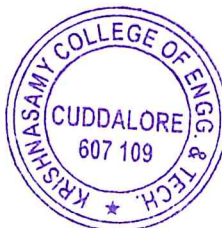

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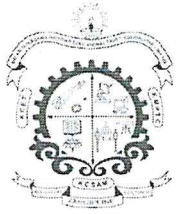

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PRINCIPAL

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Class Room

Class In charge





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SYLLABUS

Subject Code/ Subject Name : CE- VAC2101/Safety Management In Construction Aspect

Duration :30 Hours

Course Objective

1. To learn the basic concepts of safety and its development process up to the modern concept of SHE i.e., Safety, Health and Environment.
2. To understand the basic concepts of safety, major concerns, important causation factors of industrial accidents.
3. To understand different aspect's philosophy, psychology, behaviour and principal technological attributes all of which have bearing on any given effective management system.
4. To understand the functions of planning, organizing, directing and controlling for industrial safety activities.

Module-1

Safety management function- line versus staff authority-safety responsibility and accountability in construction industry.

Module-2

Safety and its importance in construction industry- hazards in construction projects-causes of accidents-cost of an accident.

Module-3

Experience Modification Rating- Workers insurance- general safety programs in construction industry- construction safety problems.

Module-4

Case based reasoning-case indexing-retrieval-accident prevention and forecasting using CBR method.

Module-5

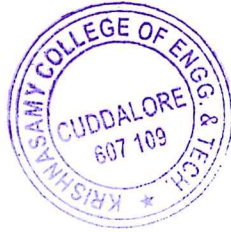
Systems safety analysis, faulty tree analysis, failure modes and effects analysis in construction industry.

COURSE OUTCOMES

on completion of this course the student will be able:

Plan, assess, analyse and manage the hazardous construction project sites.

- Understand the basic concept of safety.
- Obtain knowledge of Statutory Regulations and standards.
- Know about the safety Activities of the Working Place.
- Analyse on the impact of Occupational Exposures and their Remedies
- Obtain knowledge of Risk Assessment Techniques.



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