

# 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](http://www.kcet.in)

[info@kcet.in](mailto:info@kcet.in)

## DEPARTMENT OF CIVIL ENGINEERING

(Academic Year 2019-2020)

Date:20.11.2019

### CIRCULAR

It is planned to conduct a value added course for III Civil Engineering students on the subject given below. Each module is scheduled from 02.01.2020 TO 07.01.2020. 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	III	CE-VAC1902/ Environmental Impact Of Assessment Of Civil Engineering Projects	30	Er.P.Dhinesh kumar AP/Civil

*P. Cui*

HOD

*U. L.*  
20/11/19

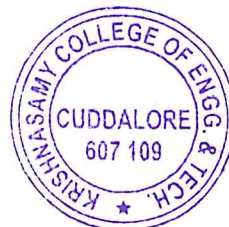
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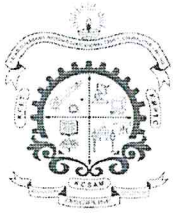
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PRINCIPAL

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Class Room





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### SYLLABUS

Subject Code/ Subject Name : CE-VAC1902/ Environmental Impact Of Assessment Of Civil Engineering Projects

Duration :30 Hours

OBJECTIVE: This subject deals with the various impacts of infrastructure projects on the components of environment and method of assessing the impact and mitigating the same. The student is expected to know about the various impacts of development projects on environment and the mitigating measures.

#### Module 1

Impact of development projects under Civil Engineering on environment - Environmental Impact Assessment (EIA) - Environmental Impact Statement (EIS) – EIA capability and limitations – Legal provisions on EIA

#### Module 2

Methods of EIA –Check lists – Matrices – Networks – Cost-benefit analysis – Analysis of alternatives Module 3

Assessment of Impact on land, water and air, noise, social, cultural flora and fauna; Mathematical models; public participation – Rapid EIA

#### Module4

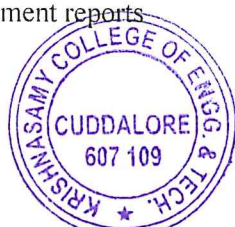
Plan for mitigation of adverse impact on environment -- options for mitigation of impact on water, air and land, flora and fauna; addressing the issues related to the Project Affected People – ISO 14000

#### Module 5

Case Studies infrastructure projects – Bridges – Stadium – Highways – Dams – Multi-storey Buildings – Water Supply and Drainage Project

OUTCOMES: The students completing the course will have ability to

- Carry out scoping and screening of developmental projects for environmental and social assessments
- Explain different methodologies for environmental impact prediction and assessment
- Plan environmental impact assessments and environmental management plans
- Evaluate environmental impact assessment reports



*R. P. S.*  
HOD/CIVIL