

# TCE Curriculum Revamp - Civil Engg. - Alumni Survey 2022-2023

Dear alumnus,

Greetings.

Your feedback / suggestions / opinions on the curriculum based on your field experience would be more useful in the revision / modification of the current syllabus in the coming years. Hence, request you to kindly spent little time over this exercise and support us in bringing a curriculum which would satisfy the current demand of the industry.

Email \*

murugans.civilengineer@gmail.com

Degree Completed in TCE \*

- B.E.Civil Engineering
- M.E.Structural Engineering
- M.E.Environmental Engineering
- M.E.Infrastructure Engineering & Management

Year of Completion of Degree \*

2023

Name \*

Murugan S

Current Designation \*

Pursuing ME - Structural engineering

Organization currently working in \*

Government college of technology coimbatore

The existing curriculum matches with the emerging domain trends \*

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

Suggest few courses/topics that could be added to the existing curriculum to address the industrial needs \*

Design of concrete elements & structures  
Design of steel elements & structures

Suggest few courses/topics that could be removed from the existing curriculum \*

Municipal solid waste management  
Data structures

Suggest few programming languages/software framework/ hardware equipment /modern tools that can be included in the new curriculum \*

Staad .pro ( in UG level)  
Abaqus

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Suggest few courses that can be offered to improve personal and interpersonal skills \*

Reinforcement Detailing by using softwares  
analysis of structures by softwares in advanced level

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I am able to contribute significantly in providing a technical solution for complex engineering problems \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to apply the principles of mathematics and science in my projects \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to formulate an engineering problem for the societal/industrial needs and provide solutions with my problem solving skills \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to analyze and evaluate the assumptions used to solve the problem \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to develop and use prototypes to solve the complex engineering problems \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to find appropriate optimization techniques and synthesize the final design \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to collect and interpret customer needs for a given project. \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to analyze the trade-offs between alternative design approaches and select the one that is best for your project. \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to identify and use appropriate engineering tools and techniques to execute a given task \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to analyze the limitations of various engineering tools and choose the best to accomplish a task \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to identify the interactions that an engineering project has with the economic, social, health, safety, legal, and cultural aspects of society, \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to analyze impact of the professional engineering solutions in societal and environmental contexts \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am aware of ethical principles and professional practices related to my domain \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to analyze opposing positions on an issue and make a judgment based on the evidence \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to analyze the strengths and weaknesses of my team and provide support wherever required \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am confident in delivering a clear and organized formal presentation to a group of professionals and make effective documentation \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am able to apply project cost management principles to ensure that a project is completed within budget. \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

I am comfortable in learning new technologies and update myself to the growing needs \*

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

A big thanks for your time and effort to give this valuable inputs.

This form was created inside of Thiagarajar College of Engineering.

Google Forms