

CARE

COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy - 620009

DEPARTMENT OF CIVIL ENGINEERING

Report of Analysis of Feedback on Syllabus & Curriculum Collected from Different Stakeholders

Stakeholders' feedbacks were consolidated to communicate to the Principal and the Internal Quality Assurance Cell (IQAC) to ensure the proper redressal of the suggestions / grievances if any.

The students are the most important stakeholders of higher education systems. The participation of students at all levels in both internal quality assurance and external quality assurance has to play a central role.

In every academic year, we asked all the stakeholders to fill a feedback form (provided by college or available on website) at the time of alumni meet, parent meet, students farewell function, teachers meeting. We have received the student's and alumni's feedback on the content of the syllabus and curriculum of the undergraduate degree programmes and analyzed. The purpose of this feedback is to obtain the students, parents, employers and alumni's input on the quality of education in terms of syllabus and curriculum. This questionnaire is intended to collect information relating to stakeholder's satisfaction towards the curriculum, teaching, learning and evaluation.

The analysis reveals scope for improvement on some of the parameters, however the following parameters demands immediate action.

- The academic initiatives taken by the college to bridge gap between industry & academia.
- New skills & techniques learnt in the due course of your study apart from those included in the curriculum.
- Understanding the societal problems with your core knowledge.
- Ability to use IT tools in career.

It can be concluded that the value added/ add-on courses are suggested from the students and alumni. The awareness about value added courses among the students was found to be good, but much more awareness has to be created as the students are benefitted by these courses.

For bridging this gap, the following are the value added / add-on courses have been implemented in the curriculum of civil engineering.

Value added / add-on courses	Course Code	Year of offering
Computer applications in Civil Engineering (AU approved)	CVA017	2020-2021
Advanced CAD - Online Course	CE0120	
Computer applications in Civil Engineering (AU Approved)	CVA017	2019-2020
Building Information Modelling (BIM)	CE0119	
RCC Structural Analysis and Design using ETABS	CE0118	2018-2019
Course on existing Building Survey	CE0218	
Structural Analysis and Design using STAAD PRO v8i	CE0318	
STAAD Pro Course	CE0117	2017-2018
3D Modelling Using REVIT Architecture	CE0116	2016-2017
STAAD Pro Course	CE0216	

To bridge the gap between the academic and industry need, Value Added Courses (VAC) have been approved and offered by the Centre for Academic Courses, Anna University, Chennai; and these courses are conducted regularly in our college. These courses focus on skill development and the emphasis of these courses is on providing students practical training and improve their problem-solving skills.

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S. Dhanya

Principal
PRINCIPAL
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CONSOLIDATED REPORT ON FEEDBACK FROM STAKEHOLDERS

The following feedback analysis have been acquired from the stakeholder's feedback such as program exit survey from students, Alumni's, employer's and faculty's feedback.

- Lack of programming skills to develop the solutions for the problems.
- Having less knowledge to create innovative ideas towards the product development.
- Less involvement to analyze the problem towards interdisciplinary projects.
- Lacking of knowledge to handle modern tools and techniques of recent emerging technologies.
- It is observed from the feedback given by the faculty that the usage of modern tools is very less in practical sessions. Hence, it is suggested that the industrial workshop/training program has been conducted to the students to enrich their knowledge towards the development of innovative projects.


HOD


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

REPORT

Based on the stakeholder's feedback, it is found that the students were less knowledge to develop innovative projects in emerging future technologies.

Hence, the suggestions given by industrialists and academicians it is decided to conduct Add-on course "**Augmented and Virtual Reality**" to the students. The purpose of the course is to admit knowledge on the fundamental concepts of virtual reality and to develop products towards personalized content and new business models. To enrich their knowledge in 2D and 3D modelling software objects in various areas such as education, manufacturing, gaming, e-commerce, interior design etc.,

Also, this course will help students to gain knowledge on the various input and output devices on virtual and augmented reality and the storage concepts such as Tessellated Data, LODs(Level of Details), Cullers and Occludes.

The same thing has been communicated to the university for add this course in the curriculum.


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CONSOLIDATED REPORT ON FEEDBACK FROM STAKEHOLDERS

The following feedback analysis have been acquired from the stakeholder's feedback such as program exit survey from students, Alumni's feedback, employer feedback and faculty feedback.

- Lack of exposure to recent industrial trends and technology especially in 5G and beyond applications
- Lack of ability to use modern tools, software and equipment to analyse and solve multidisciplinary problems.
- Lack of Leadership qualities, Innovativeness, creativity ideas.
- Finally, from the faculty feedback it is observed that students faced many issues due to online classes in understanding technical concepts. So, different activity based training and quiz can be conducted often to understand the basic concepts as they are lagging in basics. If possible, these methods will be implemented into upcoming semester as a hands-on session in value added course to improve student's practical knowledge.

J. Jayaraj

HOD-ECE

REPORT

Based on the stakeholder's feedback such as program exit survey from students, Alumni's feedback, employer feedback and faculty feedback, it is observed that the ability to connect recent industrial trends with current technology especially in 5G and beyond applications.

To overcome this, based on the suggestion from industry and academic experts a value-added course has been introduced to the students on **"Smart home – Theory and Practices"**. The objective of this value-added course is to impart knowledge on the underlying principles of IOT, Automation, latest technology and components to provide knowledge on the latest developments in Security, Navigations, aircraft, Radar and Home applications.

Also, this course will help students to gather knowledge on fundamentals IOT and use of modern tools in real time applications.

J. Jayaraj

HOD- ECE

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CONSOLIDATED REPORT ON FEEDBACK FROM STAKEHOLDERS

The following feedback analysis have been acquired from the stakeholder's feedback such as program exit survey from students, Alumni's feedback, employer feedback and faculty feedback.

- Lack of ability to use modern tools, software and equipment to analyse and solve multidisciplinary problems to global changes and contemporary practices.
- Lack of ability to identify, design and conduct experiments and solve complex engineering problems as well as to analysis and interpret data with high degree of competence.
- Lack of Innovativeness, creativity ideas.
- Finally, from the faculty feedback it is observed that many psychometric processes have been studied from a theoretical perspective, but they have been missed from a practical standpoint. If possible, these methods will be implemented into upcoming semester laboratories to improve students' knowledge.


HOD-Mechanical



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REPORT

Based on the stakeholder's feedback such as program exit survey from students, Alumni's feedback, employer feedback and faculty feedback, it is observed that the ability to design & analyze mechanical systems, components, or a process to meet desired needs is lacking with the students.

To overcome this, based on the suggestion from industry and academic experts a value-added course has been introduced to the students on "**Modern Trends in Refrigeration and Air Conditioning**". The objective of this value-added course is to impart knowledge on the underlying principles of operations in different refrigeration and air conditioning systems and components to provide knowledge on the latest developments in automotive, railway, aircraft and marine air conditioning systems.

Also, this course will help students to gather knowledge on fundamentals of refrigeration and air conditioning techniques, to use appropriate AC tools, to measure the COP of refrigeration, to study on applications such as aircraft, railway, marine, etc. The same has been communicated to University to add the value add on course in the curriculum.


HOD- Mechanical


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