Sri Venkateswara College of Engineering

(An Autonomous institution affiliated to Anna University)

Pennalur, Sriperumbudur (Tk) 602117

12/04/2021

Department of Civil Engineering

R2018 Curriculum Feedback Report (2018-19, 2019-20 & 2020-21)

Sri Venkateswara College of Engineering (SVCE) is committed to transform the learners into global contributors and achievers, who are able to meet the growing challenges of industry with ethical values. To achieve the above target, it is necessary to refine and reframe our curriculum and syllabus. For this, feedback from major stakeholders will help in improving the curriculum.

The process of giving and receiving feedback is one of the most important concepts to maintain and motivated academic circumstances. It helps to identify the blind spots and enlarge the scope for improvement in the curriculum.

Stakeholder Identification: Following four pillars of academic environment were identified as stakeholders for the effective feedback system:

(1) Students

(2) Faculty

(3) Alumni

(4) Employer

Method of Collecting Feedback: Questionnaires for student, faculty, alumni and employer were prepared separately using Google Form. The link for the Google form was circulated to above stakeholders and collected the feedback along with their digital signature.

The questionnaire consists of different attributes related to curriculum & syllabus of R2018 and each attribute is assigned with five point rating system as given below:

1

5 – Excellent; 4 – Very Good; 3 – Good; 2 – Satisfactory; 1 – Poor

Thus feedback collected from each of the stakeholders was analyzed and the summary of feedback is presented below:

Student Feedback

S. No.	Attributes	Remarks	Reference
1.	Course is relevant to the current industry needs.	**Excellent** Students are fully satisfied with the courses which are fulfilling the current industry needs	
2-6	Fulfillment of Course Outcomes	**Excellent** Students expressed satisfaction on Course Outcomes of different courses	
7.	Course enhanced my ability to formulate, analyze and solve problems	**Excellent** Students accepted that the courses enhance their ability to formulate, analyze and solve problems	Students Feedback Analysis Report
8.	Course imparted sufficient technical skills which will help in placement and higher studies	**Excellent** Students confirmed that the course impart sufficient technical skills which helps them in placement & higher studies	
9.	Appropriate textbooks and reference books were quoted and were available in the library	**Excellent** Students expressed satisfaction on 'textbooks availability in the library'	
10.	Continuous Assessments (Test, Assignment, MCQ, etc) are relevant to the COs and are effective	**Excellent** Students are fully satisfied with pattern of examination conducted at present	

Faculty Feedback

S. No	Attributes	Remarks	Reference
1.	Is the course relevant for the program?	**Excellent** Faculties are satisfied with courses listed in R2018 as they are more relevant to the program	
2.	Is the allocation of the credits to the course appropriate?	**Excellent** Faculties expressed satisfaction with the existing credit system	
3.	Are the course outcomes well defined and clear to the teachers and the students?	**Excellent** Faculties accepted that the course outcomes are well-defined and clear to the teachers as well as the students.	
4.	Is the course content adequate in relation to the Course Outcomes (COs)?	**Excellent** Faculties are satisfied with the courses content and their relation to COs	
5.	How is the scope for the use of modern / ICT tools and for improved learning?	**Excellent** Faculties are satisfied with the current availability of ICT tools for teaching	
6.	Are appropriate textbooks and reference books quoted and are available in the library?	**Excellent** Faculties expressed satisfaction on existing library facilities	Faculty Feedback Analysis Report
7.	How well is the course evaluation scheme designed?	**Excellent** Faculties are fully satisfied with pattern of examination	
8.	Does the course content enable Participatory Learning?	**Excellent** Faculties expressed that there is lot of scope for participatory learning in the present course content	
9.	Is the course duration adequate?	**Excellent** Faculties expressed satisfaction with course duration	
10.	Overall satisfaction	**Excellent** Faculties expressed overall satisfaction on R2018 curriculum and syllabus	

Alumni Feedback

S. No	Attributes	Remarks	Reference
1.	Courses were relevant for the program and met the current industry needs	**Good** Alumni recommend improvement in curriculum to meet the current industry needs	
2.	Knowledge provided by the courses were useful to the professional practice	**Good** Alumni are seeking improvement in the courses which will be useful to the professional practice	
3.	The courses enhance the employability potential	**Good** Alumni are insisting for courses focusing on skill development	
4.	Appropriate textbooks and reference books were quoted and were available in the library	**Excellent** Alumni expressed satisfaction with the library facilities.	
5.	Courses enabled me to relate theory to practice	**Good** Alumni are suggesting to modify courses which will relate theory & practice	
6.	The courses enabled critical thinking and problem-solving skills	**Good** Alumni expressed that the courses should enable them to think critically and improve problem solving skills	
7.	The courses provided an opportunity to enhance communication and interpersonal skills	**Good** Alumni are seeking more courses which will provide opportunities for students to enhance communication & interpersonal skills	Alumni Feedback Analysis Report
8.	Curriculum and courses inspired lifelong learning	**Good** Alumni are suggesting that the curriculum and course should inspire lifelong learning	
9.	Rate the evaluation schemes adopted.	**Good** Alumni expressed satisfaction with the present evaluation system	
10.	Overall Satisfaction of the Program	**Good** In overall, alumni are satisfied with the R2018 curriculum & syllabus	

Employer Feedback

S. No	Attributes	Remarks	Reference
1.	The curriculum addresses the Industries' current needs	**Excellent** Employers expressed satisfaction with R2018 curriculum & syllabus which fulfill the current industries needs	
2.	The curriculum is oriented towards the Organization's Vision & Mission	**Excellent** Employers are able to find correlation between the curriculum & vision and mission statements of the institute	
3.	The curriculum can serve the Society's requirements	**Excellent** Employers expressed full satisfaction on societal aspect of the curriculum	
4.	The Curriculum and Syllabus have imparted useful knowledge needed for professional practice	**Very Good** Employers are recommending that the curriculum may need improvement in addressing professional practice.	
5.	The curriculum has provided the competency to relate theory to practice	**Excellent** Employers expressed that curriculum provide required competency for students to relate theory & practice	
6.	Projects emphasize team building and teamwork.	**Excellent** Employers expressed satisfaction that our project works (both design and final semester projects) are enhancing team building and teamwork among students	Employer Feedback Analysis Report
7.	The co-curricular activities have enhanced organizing and interpersonal skills.	**Excellent** Employers are fully satisfied with our co-curricular activities such as organizing cultural events in the college; participating in seminars etc. as they help in improving the organizing as well as interpersonal skills of the students	
8.	The curriculum has instilled Professional Ethics in the students	**Excellent** Employers expressed satisfaction on our curriculum which teaches ethical values to our students	
9.	The curriculum has stimulated continuous learning.	**Excellent** Employers agree that our curriculum stimulate interest in continuous learning	
10.	Overall Satisfaction on the Curriculum and Syllabus	**Excellent** Employers expressed overall satisfaction with R2018 curriculum and syllabus	

Students as well as faculties expressed satisfaction on R2018 curriculum and syllabus. However, alumni feedback shows that the curriculum & syllabus need improvement in the following attributes:

[1] Courses must address the current industry needs

[2] Knowledge provided by the courses must be useful to the professional practice

[3] Courses should enhance the employability potential of the students

[4] Courses should relate theory as well as practice

[5] Courses should enable students to think critically and to enhance problem-solving skills

[6] Courses must provide opportunities for students to improve their communication and interpersonal skills

[7] Curriculum & courses should inspire students for lifelong learning

[8] Evaluation scheme may be modified

Similarly, Employers suggested that the curriculum may need improvement in addressing professional practice.

ACTION TO BE TAKEN:

From the above observations collected from stakeholders' feedback, following actions plans were proposed to implement in the next revision of our curriculum & syllabus:

(1) **Industry Designed Courses**: Civil Engineering industry specific courses may be introduced in the next revision of curriculum. These courses will give direct connection between theory & practice. The courses may be designed by our faculty members in consultation with industry experts and part of courses may be delivered by the industry personnel.

(2) **Online Courses**: Students may be encouraged more towards online courses offered by NPTEL, SWAYAM etc. which will motivate and give directions for lifelong learning.

(3) **In-plant training**: IPT will be made mandatory for the students in R2022 as R2018. This will encourage students to visit industries at regular intervals and get expose them to current **industry practices**. They should be encouraged to do industry projects in their final year. This will increase the employment potential of the students.

(4) **Industry Guest Lectures**: To further strengthen the industry interactions, Guest Lectures of industry experts should be arranged at regular intervals.

(5) **Faculty Training**: Faculties will be encouraged to have industrial training. This will enable faculty to teach industry practices in their domains.

Prepared by

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04.03.2022

Department of Civil Engineering

Action Taken on Stakeholders Feedback and Implementation

S. No.	Action to be taken	Action taken	Year	Proof
1	Industry Designed Courses: Civil Engineering industry specific courses may be introduced in the next revision of curriculum. These courses will give direct connection between theory & practice. The courses may be designed by our faculty members in consultation with industry experts and part of courses may be delivered by the industry personnel.	Board of Studies meeting for R2022 was initiated. 'Industry Designed Courses' will be implemented in R2022.	2022	The feedback given by the stakeholders will be included during Regulation 2022 development stage. The points will be discussed by the Board of Studies members of Faculty of Civil Engineering in detail and necessary steps will be taken to include in R2022. **Reference**: BoS meeting minutes held on 16.09.2021
2	Online Courses: Students may be encouraged more towards online courses offered by NPTEL, SWAYAM etc. which will motivate and give directions for lifelong learning.	This was started implementing in R2018 revision itself. Steps will be taken in R2022 for further motivating the students to take-up online courses.	2022	The feedback given by the stakeholders will be included during Regulation 2022 development stage. The points will be discussed by the Board of Studies members of Faculty of Civil Engineering in detail and necessary steps will be taken to include in R2022.

S. No.	Action to be taken	Action taken	Year	Proof
				Reference: BoS meeting minutes held on 16.09.2021
3	In-plant training: IPT will be made mandatory for the students in R2022 as R2018. This will encourage students to visit industries at regular intervals and get expose them to current industry practices. They should be encouraged to do industry projects in their final year. This will increase the employment potential of the students.	This is already implemented in R2018. This will be continued in R2022 also.	-	The feedback given by the stakeholders will be included during Regulation 2022 development stage. The points will be discussed by the Board of Studies members of Faculty of Civil Engineering in detail and necessary steps will be taken to include in R2022. **Reference**: BoS meeting minutes held on 16.09.2021 -
4	Faculties will be encouraged to have industrial training. This will enable faculty to teach industry practices in their domain.	It is one of the Industrial Objectives of SVCE – ISO Quality manual.	-	INDUSTRIAL OBJECTIVES:- IO1: 30% of students to do industrial relevant final year project work. IO2: **Number of faculty members undergoing industrial training in a year should be not less than 30%** IO3: Organize workshop / seminar in collaboration with industry at least once in a year by each department IO4: Each department shall generate a minimum of Rs.50,000/- per year from industrial consultancy work. IO5: Every department shall arrange 3 industrial visits per year. **Reference**: ISO Quality Manual Pg. 48/90
5	Industry Guest Lectures: To further strengthen the industry interactions, Guest Lectures of industry experts should be arranged at regular intervals.	It is one of the Industrial Objectives of SVCE – ISO Quality manual.	-	INDUSTRIAL OBJECTIVES:- IO1: 30% of students to do industrial relevant final year project work.

S. No.	Action to be taken	Action taken	Year	Proof
				IO2: Number of faculty members undergoing industrial training in a year should be not less than 30% IO3: **Organize workshop / seminar in collaboration with industry at least once in a year by each department** IO4: Each department shall generate a minimum of Rs.50,000/- per year from industrial consultancy work. IO5: Every department shall arrange 3 industrial visits per year. **Reference**: ISO Quality Manual Pg. 48/90

Head of the Department/Civil