Sri Venkateswara College of Engineering

(An Autonomous institution affiliated to Anna University)

Pennalur, Sriperumbudur Tk - 602117

23/04/2021

Department of Biotechnology

Feedback Analysis Report for the AY 2018-19, 2019-20& 2020-21

Sri Venkateswara College of Engineering is committed to transform the learners into global contributors and achievers, whoare able to meet the growing industrial challenges with ethical values. The vision of the biotechnology department is in line with the above college vision.

To achieve the above vision, it is necessary to adequately revise and reframe the curriculum and syllabus of the program to meet the growing industrial and societal needs. Hence, obtaining feedback on curriculum and syllabus from the major stakeholders (Students, Faculty Members, Alumni and Employers) will assist in enhancing the program curriculum to produce graduates of high calibre and readily employable in industry or pursue higher education. In this regard, feedback on curriculum and syllabus for various attributes are obtained every year from the above stakeholders to identify and bridge the gap between the industry and academia.

Student Feedback (AY 2018-21)

S.No.	Attributes	Remarks	References
1	Course is relevant to the current industry needs	Excellent Students are satisfied on the relevance of the course to the current industry needs	Student feedback analysis for the AY 2018-19, 2019-20 & 2020-21
2-6	Fulfilment of Course Outcomes	Excellent Students are satisfied with the COs of the courses offered	
7	Course enhanced my ability to formulate, analyze and solve problems	Excellent Students agreed that the courses improved their problem-solving ability	

S.No.	Attributes	Remarks	References
8	Course imparted sufficient technical skills which will help in placement and higher studies	Excellent Students are satisfied that the courses imparted sufficient technical skills	
9	Appropriate textbooks and reference books were quoted and were available in the library	Excellent Students are contented with the availability of appropriate text and reference books	
10	Continuous Assessments (Test, Assignment, MCQ, etc) are relevant to the COs and are effective	Excellent Students agreed that the assessments relevant to the COs	

Faculty Feedback (AY 2018-21)

S.No.	Attributes	Remarks	References
1	Is the course relevant for the program?	Excellent Agreed that the courses are relevant for the program	Faculty feedback analysis for the AY 2018-19, 2019-20 & 2020-21
2	Is the allocation of the credits to the course appropriate?	Excellent Satisfied with the credit allocation to the courses	
3	Are the course outcomes well defined and clear to the teachers and the students?	Excellent Satisfied with the COs	
4	Is the course content adequate in relation to the Course Outcomes (COs)?	Excellent Agreed that the course content is adequately related to the	

		COs	
5	How is the scope for the use of modern / ICT tools and for improved learning?	Excellent Satisfied with the currently available modern tools	
6	Are appropriate textbooks and reference books quoted and are available in the library?	Excellent Satisfied with the availability of appropriate text and reference books	
7	How well is the course evaluation scheme designed?	Excellent Satisfied with the evaluation scheme	
8	Does the course content enable Participatory Learning?	Excellent Agreed that the course content enables participatory learning	
9	Is the course duration adequate?	Excellent Satisfied with the adequacy of course duration	
10	Overall satisfaction	Excellent Satisfied with the curriculum and syllabus of Regulation 2018	

Alumni Feedback (AY 2018-21)

S.No.	Attributes	Remarks	References
1	Courses were relevant for the program and met the current industry needs	Very Good Seeking improvement to meet the current	Alumni feedback analysis for the AY 2018-19, 2019-20 & 2020-21

		industry needs	
2	Knowledge provided by the courses were useful to the professional practice	Very Good Seeking improvement	
3	The courses enhance the employability potential	Very Good Seeking more courses to enhance employability skills	
4	Appropriate textbooks and reference books were quoted and were available in the library	Very Good Seeking for the availability of more text and reference books	
5	Courses enabled me to relate theory to practice	Very Good Expecting further improvement in relation between the theory and practical courses	
6	The courses enabled critical thinking and problem-solving skills	Good Seeking improvement in problem-solving skills	
7	The courses provided an opportunity to enhance communication and interpersonal skills	Very Good Expecting improvement in courses to further enhance communication and interpersonal skills	
8	Curriculum and courses inspired lifelong learning	Very Good Seeking further improvement	
9	Rate the evaluation schemes adopted	Very Good Looking for	

		further improvement in the evaluation scheme	
10	Overall Satisfaction of the Program	Very Good Satisfied with the Regulation 2018 curriculum and syllabus	

Employer Feedback (AY 2018-21)

S.No.	Attributes	Remarks	References
1	The curriculum addresses the industries' current needs	Excellent Agreed that the curriculum addresses the industries' current needs	Employer feedback analysis for the AY 2018-19, 2019-20 & 2020-21
2	The curriculum is oriented towards the Organization's Vision & Mission	Excellent Satisfied with the curriculum orientation	
3	The curriculum can serve the Society's requirements	Excellent Agreed that the curriculum serve the Society's requirements	
4	The Curriculum and Syllabus have imparted useful knowledge needed for professional practice	Excellent Satisfied with curriculum and syllabus	
5	The curriculum has provided the competency to relate theory to practice	Excellent Satisfied with competency to relate theory to practice	
6	Projects emphasize team building and teamwork	Excellent Agreed that the projects	

		emphasize team building and teamwork	
7	The co-curricular activities have enhanced organizing and interpersonal skills	Excellent Agreed that the co-curricular activities have enhanced organizing and interpersonal skills of the students	
8	The curriculum has instilled Professional Ethics in the students	Excellent Agreed that the curriculuminstilled ethics in the students	
9	The curriculum has stimulated continuous learning	Excellent Agreed that the curriculum has stimulated continuous learning	
10	Overall Satisfaction on the Curriculum and Syllabus	Excellent Satisfied with the curriculum and syllabus of Regulation 2018	

The mean of responses received from the students, faculty and employer feedback on all the attributes were excellent and found well satisfied with the curricular aspects of the program on Regulation 2018.

However, mean responses received from the alumni were very good on the following attributes:

1) Courses were relevant for the program and met the current industry needs
2) Knowledge provided by the courses were useful to the professional practice
3) The courses enhance the employability potential
4) Appropriate textbooks and reference books were quoted and were available in the library
5) Courses enabled me to relate theory to practice

6) The courses provided an opportunity to enhance communication and interpersonal skills
7) Curriculum and courses inspired lifelong learning
8) Overall Satisfaction of the Program

Mean responses received from the alumni were good on the attribute 'The courses enabled critical thinking and problem-solving skills'.

Alumni feedback analysis suggested that the necessary revisions / modifications to be carried out while framing the curriculum and syllabus in the subsequent regulations to fulfil the above needs.

Action to be taken

In light of the above feedback analysis, the following action plans were proposed to implement in the curriculum and syllabus of the program in the subsequent Regulation 2022.

1) Curriculum will be enhanced further by offering more employability-based courses in the Regulation 2022 curriculum.
2) Planned for interaction with industry experts for each course by arranging lectures on the particular topics in the syllabus.
3) The possibility of including the courses'Medical devices global level regulator frameworks' under Professional elective and Research methodology in the upcoming R2022 curriculum will be considered.
4) Statistical software in the curriculum will be included toenhance employability opportunities to the students in industries.
5) Embedded theory courses will be included in the Regulation 2022.

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Department of Biotechnology
Action Taken and Relevant Proofs during Implementation of R2018

S. No.	Action to be taken	Action taken	Year	Proof
1	Curriculum will be enhanced further by offering more employability-based courses in the Regulation 2022 curriculum.	Board of Studies meeting for the initiation of Regulation 2022 curriculum was held during September 2021. More number of employability-based courses will be offered in Regulation 2022 curriculum.	2022	Feedback given by the stakeholders will be considered appropriately during the preparation of Regulation 2022 curriculum. The points will be discussed in the subsequent Board of Studies meeting in detail and necessary steps will be taken to include more number of employability-based courses in R2022. **Reference**: BoS meeting minutes held on 18.09.2021
2	Planned for interaction with industry experts for each course by arranging lectures on the particular topics in the syllabus.	Arranging lectures on the particular topic in the syllabus of R2018 by the industry experts was initiated in 2021 and will be enhanced for more number of courses in R2022.	2021	Feedback given by the stakeholders will be considered appropriately during the preparation of Regulation 2022 curriculum. The points will be discussed in the subsequent Board of Studies meeting in detail and necessary steps will be taken in R2022. **Reference**: Guest lecture & ISO Industry Objective files
3	The possibility of including the courses 'Medical devices global level regulator frameworks' under Professional elective and Research methodology in the upcoming R2022 curriculum will	Board of Studies meeting for the initiation of Regulation 2022 curriculum was held during September 2021. Medical devices global level regulator frameworks and Research methodology courses will be considered for the	2022	Feedback given by the stakeholders will be considered appropriately during the preparation of Regulation 2022 curriculum. The points will be discussed in the subsequent Board of Studies meeting in detail and necessary steps will be taken

S. No.	Action to be taken	Action taken	Year	Proof
	be considered.	inclusion in R2022 curriculum.		in R2022. **Reference**: BoS meeting minutes held on 18.09.2021
4	Statistical software in the curriculum will be included to enhance employability opportunities to the students in industries.	Board of Studies meeting for the initiation of Regulation 2022 curriculum was held during September 2021. Inclusion of Statistical software related to biotechnological applications will be included in the appropriate courses in R2022.	2022	Feedback given by the stakeholders will be considered appropriately during the preparation of Regulation 2022 curriculum. The points will be discussed in the subsequent Board of Studies meeting in detail and necessary steps will be taken in R2022. **Reference**: BoS meeting minutes held on 18.09.2021
5	Embedded theory courses will be included in the Regulation 2022.	Inclusion of Embedded theory courses will be considered appropriately in R2022.	2022	Feedback given by the stakeholders will be considered appropriately during the preparation of Regulation 2022 curriculum. The points will be discussed in the subsequent Board of Studies meeting in detail and necessary steps will be taken in R2022. **Reference**: BoS meeting minutes held on 18.09.2021

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