SONA COLLEGE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Stakeholders feedback action taken report on curriculum design-2022-23 (Odd Semester)

Date: 12.07.2022

Stakeholders	Feedback from stakeholders	Action to be taken	Action Taken
Students	Students may appreciate to inclusion of automobile application in the Design of Transmission System syllabus.	The committee members discussed with the external subject experts to adding of automobile applications in Design of Transmission System subject.	The following topics has been added in the syllabus content as per the committee member's suggestion 1. plate clutches 2. axial clutches 3. cone clutches 4. internal expanding rim clutches
	Students may value the effort to continuously enhance the curriculum. The engagement of subject experts and industry professionals in the review process may convey a commitment to providing a high-quality and relevant education.	Students' curriculum for various semesters planned to discuss in the 18th BoS meeting for potential enhancements.	Students' curriculum for various semesters was presented and discussed for potential enhancements.
	Students may feel valued if introduced more relevant topics in industry 4.0 and industry's advanced techniques.	The BoS committee members discussed the adding of industry relevance syllabus content in the syllabus.	The industry experts accepted to add the industry relevance topics like industry 4.0, IIOT and IOT.
	Students may appreciate the transparency and clarity in the assessment structure. The defined CO attainment target and assessment weightage could provide a clear framework for understanding their academic progress and performance.	In the BoS meeting planned to explain the transparency and clarity in the assessment structure.	The committee discussed and accepted the CO attainment target and assessment weightage.
Faculty	Faculty members may appreciate the collaborative approach to curriculum development. The involvement of subject experts and industry professionals may enhance the overall quality of the curriculum.	The industry experts with maximum experience (high potential) are planned to invite for 18th BoS meeting.	The faculty participated in the review of syllabus content, and expert members provided suggestions for improvement.

Stakeholders	Feedback from stakeholders	Action to be taken	Action Taken
	Faculty may find assurance in the structured assessment approach. The defined CO attainment target and assessment weightage could streamline the evaluation process, making it more objective and aligned with academic goals.	The Chairman BoS asked with Subject experts to provide guidelines for CO attainment target.	The committee discussed and accepted the CO attainment target and assessment weightage.
	Faculty members may like that the department is looking ahead and including what's happening in industries in what we teach. This helps the department keep its good reputation for giving education that matches what industries need now and in the future.	The committee members asked suggestion with expert to give the current trends topics regarding industrial application.	The Chairman BoS and members discussed the inclusion of industry-relevant topics and emerging trends like Industry 4.0 and IIOT.
Alumni	Alumni may appreciate the focus on syllabus content, ensuring that it remains updated and relevant. The involvement of expert members in the review process could be seen as a commitment to maintaining high educational standards.	Syllabus content for various courses, including the 7th semester, planned to present in-front of BoS committee expert.	Syllabus content for various courses, including the 7th semester, was reviewed and given their suggestion. The Chairman BoS accepted their suggestion.
	Alumni may find assurance in the structured approach towards assessing students' learning outcomes. The set target for CO attainment and the defined assessment weightage may reflect a commitment to academic regulation.	The committee members asked suggestion on target level for CO attainment and the weightage for direct and indirect assessments.	The committee discussed and accepted the target level for CO attainment and the weightage for direct and indirect assessments.
	Alumni may view the recognition and incorporation of emerging industry trends positively. This responsiveness to technological advancements could be seen as an effort to equip students with knowledge aligned with current and future industry needs.	The Chairman BoS planned to ask suggestion for inclusion of topics like Industry 4.0 and Industrial Internet of Things.	The Chairman and members accepted to inclusion of topics like Industry 4.0 and Industrial Internet of Things, showcasing awareness of industry trends.
Employer	Employers may appreciate the emphasis on aligning the curriculum with industry needs. The incorporation of real-time applications and industry-related topics could be seen as a	Suggestions were made to include industry-related topics and real-time applications in the curriculum.	The suggestions were made in the syllabus content as per the expert's comments.

Stakeholders	Feedback from stakeholders	Action to be taken	Action Taken
	proactive approach to producing job-ready graduates.		
	Employers may recognize the importance of technological upskilling and appreciate the efforts to include advanced topics like machine learning, IIOT, and ERP architecture. This could contribute to the employability of graduates in a technology-driven market.	Recommendations were given to incorporate machine learning, IIOT, and ERP architecture details in specific subjects.	The suggested changes incorporated to the syllabus content.
	Employers may find assurance in the defined CO attainment target and assessment weightage. This structured approach may align with their expectations for graduates who have undergone a comprehensive and well-assessed educational program.	The chairman BoS planned to discuss assessment weightage to the committee experts.	The committee discussed and accepted the CO attainment target and assessment weightage.
Parents	Suggestions were made to enhance the syllabus content, including the addition of real-time applications and specific industry-related topics.	Implement the approved changes and consider ongoing collaboration with industry experts for continuous improvement.	Changes have been accepted, and further collaboration implemented with industry experts.
	Requests were made to include more industry-related content, such as ERP architecture in Unit I.	Include suggested industry-related details in relevant units and maintain regular updates based on industry trends.	Inclusion of ERP architecture details in Unit I has been accepted.
	Clear information about the assessment structure is valued.	Maintain still more transparency in conveying assessment details.	Efforts to ensure clarity in assessment structures are being continued.
	Involving students in the decision-making process is suggested.	Consider mechanisms for student involvement in departmental decisions.	Exploration of methods implemented to include student perspectives in decision-making.

14/7/22

BOS Coordinator/ Mechanical

14/07/2022

BOS Chairman/Mechanical

Dr. D. SENTHIL KUMAR, M.E.,Ph.D
PROFESSOR & HEAD
DEPT. OF MECHANICAL ENGG.
SONA COLLEGE OF TECHNOLOGY
JUNCTION MAIN ROAD, SALEM-5.

SONA COLLEGE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Stakeholders feedback action taken report on curriculum design-2022-23 (Even Semester)

Date: 07.01.2023

Stakeholders	Feedback from stakeholders	Action to be taken	Action Taken
Students	The introduction of Cyber Security in Design and Manufacturing (CSDM) as a professional elective in the sixth semester indicates a commitment to keeping the curriculum aligned with current industry needs. Students recognize the importance of staying updated with topics like cyber-security.	Establish mechanisms to regularly assess the relevance of the curriculum by obtaining direct feedback from students on the perceived usefulness of specific subjects and their alignment with emerging industry trends.	Instituted regular surveys and forums to obtain direct feedback from students about the relevance of the curriculum, ensuring their perspectives are considered curriculum planning.
	The acknowledgment of students having programming language subjects in early semesters, including OOPS, Machine Learning using Python programming, and problem-solving using Python programming, shows an awareness of the significance of programming skills in fields like Cyber Security.	Recognizing the importance of programming skills, conduct regular assessments and provide additional resources or support for students to strengthen their programming abilities, ensuring they are well-prepared for advanced subjects.	Introduced additional programming skill enhancement programs, including workshops and tutorials, to support students in strengthening their coding abilities, particularly in languages like Python.
	Questions about the scope of mobile communication in CSDM and the relation of Computer Vision (including AR and VR) with the Smart Manufacturing vertical show students' curiosity about the practical applications of concepts and their relevance in the industry.	Provide students with information about potential career opportunities related to the introduced subjects like Cyber Security, Mobile Communication, and Computer Vision. This can enhance their understanding of the practical applications in the professional world.	Conducted awareness campaigns, workshops, and seminars to inform students about potential career opportunities related to newly introduced subjects, helping them make informed decisions about their academic and professional paths.

Stakeholders	Feedback from stakeholders	Action to be taken	Action Taken
	Students are open to the idea of enhancing their knowledge through additional courses beyond the regular curriculum.	Actively encourage and guide students to explore online platforms like NPTEL for additional courses, emphasizing the benefits of continuous learning and staying updated with the latest advancements in their field.	Actively encouraged and guided students to explore online learning platforms like NPTEL, providing them with information on the benefits of continuous learning and the diverse courses available to enhance their knowledge beyond the standard curriculum.
Faculty	The faculty's possession of NPTEL course knowledge, especially in handling the Cyber Security in Design and Manufacturing (CSDM) subject, is a positive aspect. This indicates a proactive approach to staying updated with relevant industry-oriented courses.	Encourage faculty to explore and recommend the use of digital learning platforms, such as NPTEL, for additional courses, ensuring students have access to diverse learning resources.	Encouraged and facilitated the use of digital learning platforms, including NPTEL, for additional courses, providing students with diverse learning resources beyond the traditional curriculum.
	The incorporation of industry-relevant topics like Cyber Security, Mobile Communication, and Computer Vision into the curriculum reflects an effort to align academic content with practical industry concepts. Faculty should continue to actively seek such integrations.	Strengthen efforts to integrate more industry-related concepts into the curriculum, ensuring that students are exposed to the latest developments in the field.	Actively worked on incorporating more industry-related concepts into the curriculum, fostering a dynamic learning environment that aligns with the latest developments in the field.
	The consideration of students' programming skills, suggestions for Honors and Minors degree programs, and the use of online platforms like NPTEL reflect a student-centric approach, ensuring their holistic development.	Explore avenues to further enhance the holistic development of students, considering not only academic aspects but also skills and competencies required in the professional realm.	Initiated programs to enhance the holistic development of students, incorporating elements beyond the academic curriculum to prepare them for professional challenges.

Stakeholders	Feedback from stakeholders	Action to be taken	Action Taken
Alumni	The need for a continuous feedback loop involving employers, students, parents, and faculty for ongoing curriculum improvement. Regular feedback ensures adaptability to changing industry needs.	Establish still more continuous feedback loops involving employers, students, parents, and faculty for ongoing curriculum improvement.	Strengthened existing feedback mechanisms and established new channels to ensure ongoing input from employers, students, parents, and faculty for continuous improvement.
	The importance of faculty members having industry-relevant knowledge. Continuous faculty development programs should be implemented to keep them abreast of the latest industry practices.	Continue and expand faculty development programs to keep them updated on the latest industry practices.	Continued and expanded faculty development programs to ensure faculty members are well-informed about the latest industry practices.
	Emphasizing practical application through hands-on projects and industry collaborations ensures that students can apply theoretical knowledge in real-world scenarios.	Strengthen initiatives that promote practical application, such as hands-on projects and collaborations with industry experts, to enhance students' real-world skills.	Strengthened initiatives promoting practical application, such as hands-on projects and collaborations with industry experts, to enhance students' real-world skills.
Employer	The positive feedback about the relevance of Python programming language indicates alignment with industry trends. Employers find Python valuable, considering its use in various applications like data handling, machine learning, and automation.	Develop strategies to enhance practical programming skills, ensuring students can apply theoretical knowledge in real-world scenarios.	Implemented programs and projects to enhance students' practical programming skills, providing hands-on experience with Python and other relevant technologies.
	Feedback suggests the need for students to be aware of various facets of engineering services, including outsourcing models.	Strengthen collaborations with industry experts to integrate real-world insights into the curriculum, ensuring students are well-prepared for the professional landscape.	Strengthened collaborations with industry experts, ensuring their insights are integrated into the curriculum to keep it aligned with current industry practices.
	The introduction of Cyber Security in Design and Manufacturing (CSDM) as a professional elective aligns with industry needs.	Design initiatives to enhance students' overall employability, focusing on skills that are highly valued in the industry,	Designed initiatives to enhance overall employability, with a particular focus on cyber security, project

Stakeholders	Feedback from stakeholders	Action to be taken	Action Taken
	Employers appreciate the emphasis on data security in digital manufacturing systems, showcasing responsiveness to industry trends.	such as cyber security, project management, and practical programming.	management, and practical programming skills.
Parents	Parents are likely interested in the placement statistics and how the curriculum prepares students for the job market. Including more detailed information on placements, companies, and roles secured by graduates can address this concern.	Provide comprehensive placement reports, including details on companies, roles, and success stories, to assure parents about their child's future prospects.	Implemented detailed placement reports to provide transparency and assurance about students' career prospects.
	Create platforms for parents to provide feedback and suggestions on curriculum changes and educational strategies.	Addressed the feedback to department meeting and concluded as new platform to be create for hassle free communication.	Introduced online platforms and surveys to gather feedback and suggestions from parents on curriculum changes.
	Implementing continuous training and development opportunities for faculty can ensure they are well-equipped to deliver the curriculum effectively.	Implement regular faculty development programs to enhance teaching methodologies and keep faculty updated on industry trends.	Implemented regular faculty development programs to enhance teaching methodologies and keep faculty updated on industry trends.

9/1/23

BOS Coordinator/ Mechanical

9/01/2023

BOS Chairman/Mechanical

Dr. D. SENTHIL KUMAR, M.E.,Ph.D
PROFESSOR & HEAD
DEPT. OF MECHANICAL ENGG.
SONA COLLEGE OF TECHNOLOGY
JUNCTION MAIN ROAD, SALEM-5.