SONA COLLEGE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Stake Holders Feedback Action Taken Report on Curriculum Design-2021-22 ODD Semester

Date: 14.08.2021

Stakeholders	Feedback from stakeholders	Action to be taken	Action Taken
Students	Suggest to include both design and analysis software.	Discuss to implement the lab course which consists of both design and analysis of machine elements.	The 'Computer Aided Design and Analysis Laboratory course' is included in the mechanical curriculum.
	Add NPTEL courses to learn the recent trends in the mechanical field.	Plan to introduce IoT and Additive manufacturing subjects as open elective courses.	NPTEL courses 'Introduction to IOT' and 'Fundamentals of Additive Manufacturing' of 12-week duration will be offered to students as one of the professional electives in the 5th semester.
	Include latest concepts of Electrical Vehicle Systems.	Suggest implementing the concepts of Electrical Vehicle, which helps the students to get jobs in automobile sector.	The new course 'Electrical Vehicle Systems' is added as a professional elective in the mechanical curriculum.
Faculty	Suggest adding the Radiation concepts.	Discuss to split unit – 4 titled "Heat Exchangers and Mass Transfer" in Heat and Mass Transfer subject for a better understanding of the concepts.	In Heat and Mass Transfer subject, the unit–4 title changed to "Radiation and Mass Transfer" in the mechanical curriculum.

Stakeholders	Feedback from stakeholders	Action to be taken	Action Taken
	Recommend to add 'the balancing concept' and 'vibration concept'.	Plan to include the both concepts in the 'Dynamics of Machinery' subject in the upcoming curriculum.	In the 'Dynamics of Machinery' subject, the 'Balancing and 'vibration concepts' are included in the mechanical curriculum.
Alumni	Suggest adding the 'k-means algorithm' and 'supervised learning.	Planned to include the 'k-means algorithm', and 'supervised learning in the syllabus content of 'Machine Learning with Python Programming' subject upcoming curriculum.	In 'Machine Learning with Python Programming' course the 'k-means algorithm' and 'supervised learning algorithm' was added curriculum.
	Include the 'Nondestructive testing' concepts.	Discuss to implement the 'Nondestructive testing' concept in the 'Sensors for smart manufacturing and monitoring' course.	In PG Engineering Design curriculum 'Nondestructive testing' concept is included in the curriculum.
Employer	Recommended to include the topic 'Failure mode effective analyses'.	Planned to implement the 'Failure mode effective analyses' in the 'Manufacturing System Design'.	In 'Manufacturing System Design' the 'Failure mode effective analyses' topic included in the mechanical curriculum.
	Suggest adding a few case studies of supply chain management.	Discuss to include the 'case studies like Swiggy and Zomato concepts in the syllabus content.	In 'Supply Chain Management' course the 'Swiggy and Zomato-case studies' Will be included in the curriculum.

Stakeholders	Feedback from stakeholders	Action to be taken	Action Taken
Parents	Include a course about vibrations.	Planned to introduce the new professional elective course 'Industrial noise and vibration control' in M.E, Industrial safety engineering.	In M.E, Industrial Safety Engineering, the new professional elective course 'Industrial noise and vibration control' is added in the curriculum.
	Recommended to include a course about safety systems in the industry.	Discuss with the industrial experts for implementing a course about safety systems in the industry.	The special electives such as 'Road Safety Management and Power Plant Safety Management' added in the curriculum.

BOS Coordinator/ Mechanical

BOS Chairman/Mechanical

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SONA COLLEGE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Stakeholders Feedback Action Taken Report on Curriculum Design-2021-22 Even Semester

Date: 23.01.2022

Stakeholder	Feedback from stakeholders	Action to be taken	Action Taken
Students	Students suggest incorporating machine learning and condition monitoring concepts in the Mechanical Vibration and Noise Control syllabus.	The Chairman BoS advises incorporating machine learning and condition monitoring in the course content.	Integrated machine learning and condition monitoring concepts into the Mechanical Vibration and Noise Control syllabus.
	Students might be interested in understanding the rationale behind the changes in syllabus content, especially the addition of new topics. The emphasis on real-time applications and industry relevance could be seen as a positive step.	In response to students' interest in understanding the rationale behind syllabus changes, a detailed communication plan has been initiated.	Faculty members provided comprehensive explanations for the addition of new topics, emphasizing real-time applications and industry relevance during classroom sessions. This approach aims to keep students informed and engaged in the learning process
	Students would likely be interested in changes and additions to laboratory courses. The incorporation of new experiments and technologies, such as MAT lab and Lab view, could enhance their practical learning experience.	Acknowledging students' interest in changes to laboratory courses, the department planned to implement the incorporation of new experiments and technologies, including Lab view.	The topic inclusion implemented to enhance the students practical learning experience. Regular feedback sessions will be organized to gather insights and suggestions for further improvements.
	Students shown interest on commitment to continuous improvement and alignment with industry needs.	The department is establishing a structured feedback mechanism to implement the industry needs.	Periodic surveys will be conducted to gather student input on the curriculum, ensuring that their perspectives continue to inform future developments. This iterative process aims to enhance the department's responsiveness to evolving industry demands.

Stakeholder	Feedback from stakeholders	Action to be taken	Action Taken
	Students recommend including data security concepts in the Introduction to Industrial Internet Of Things (IIoT) syllabus.	Mr. Obuli Rajh V S (Industry Expert) advises adding data security concepts, and Mr. A. Ramesh Kumar (Course Coordinator) accepts the suggestion.	Integrated data security concepts into the Introduction to Industrial Internet Of Things (IIoT) syllabus.
	Students express interest in more case studies related to the industry and emphasize the importance of reading with interest.	Dr. V. Ravichandar (Subject Expert) advises increasing industry-related case studies and emphasizes the importance of reading with interest.	Enhanced the course content with more industry-related case studies and encourage students to develop a keen interest in reading.
Faculty	Revision of the vision and mission statement will enhance the continuous improvement to achieve the institutional goal.	The faculty members accepted of the vision and mission statement without suggested changes.	The vision and mission statement of the department aligned with industry needs as well institutional goal.
	Discussion may appreciate on guidelines for mapping Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs)	Committee members guided the faculty to establish clear guidelines for mapping COs, POs, and PSOs in alignment with accreditation standards.	Faculty established clear mapping of COs, POs, and PSOs in alignment with accreditation standards.
	The suggestions given by introduction of new topics and GATE content in the Design of Machine Elements syllabus.	The experts asked to do syllabus changes will be implemented, ensuring that students receive exposure to the latest advancements in the field	As per the expert feedback the following topics has been added 1.Periods of failure, 2.Flange coupling, 3.Eccentric loading, 4.Torsional spring,
Alumni	Introduction of new topics and GATE content can include in the Design of Machine Elements syllabus.	The subject expert accepted to incorporate the new topics and GATE content in the Design of Machine Elements syllabus.	The syllabus changes will be implemented, ensuring that students receive exposure to the latest advancements in the field.
	Introduction of new topics may appreciate in the Mechatronics System Design syllabus.	The suggested changes will be incorporated to align the syllabus with advancements in Artificial Intelligence and Pneumatics.	The suggested changes incorporated to align the syllabus with advancements in Artificial Intelligence and Pneumatics.

Stakeholder	Feedback from stakeholders	Action to be taken	Action Taken
	Can include the new topics like Simulation modeling, Gaming theory, and GATE syllabus in Operations Research	Syllabus modifications will be made based on the suggestions to enhance the relevance of the course	Syllabus modifications made based on the suggestions to enhance the relevance of the course
Employer	Request to include industry-related topics in the syllabus, such as Different Sales Network, Service to Various Outlet, and Delivery Point	The Chairman BoS advised; update the syllabus to include the suggested industry-specific topics.	Updated the syllabus with suggested industry-specific topics.
	Appreciation for the inclusion of case studies related to the industry in the course content.	The Chairman BoS advised to enhance case studies to provide practical insights into industry scenarios.	Included case studies to provide practical insights into industry scenarios.
	Emphasis on up-skilling in areas like molecular structure and bio-mechanical for Autonomous Vehicle design.	Committee members advised to attend workshops and training sessions to enhance student skills in the specified areas.	Faculty encouraged to attend workshops and training sessions to enhance student skills in the specified areas.
Parents	Pleased to including industry-related topics in the syllabus.	Syllabus content like Modern Vehicle Technology, V-boiler, and Super Heater Economizer are suggested to add in the syllabus content.	Included in the Syllabus content like Modern Vehicle Technology, V-boiler, and Super Heater Economizer.
	The recommendation to incorporate machine learning and IIOT syllabus to enhance automation skills.	Machine learning and IIOT concept are advised to incorporate in the syllabus content by committee members.	Included the Machine learning and IIOT concept in the syllabus content.
	Encouragement for Autonomous Vehicle design and up skilling in related technologies.	Expert committee accepted to include Autonomous Vehicle design related technologies	Included in the upcoming semester

25/1/22

BOS Coordinator/Mechanical

28/01/2022

BOS Chairman/Mechanical

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