DEPARTMENT OF MECHANICAL ENGINEERING

Action Taken Report for M. Tech Machine Design Program

R22-Regulation   AY: 2022-23

Name of the Stakeholder	Comment / Suggestion Given	Action Taken / Suggestion
Students	Certificate courses including software training can be included along with the latest subjects	Introduced the Digitalization of manufacturing systems with NX, Hyper mesh as a Practice-based course
	Extend the lab hours and practice sessions on advanced tools	Open access laboratory facility with extended hours was provided
Faculty	Inclusion of Multidisciplinary courses such as condition monitoring and Reliability	Advised the student to opt for NPTEL courses which are in line with the NEP-2020
	Introduce new Courses to cope with current technologies such as Machine learning, AI, and Robotics	Machine learning, and soft computing subjects are introduced in the R22 regulation
Alumni	Introduce new subjects such as Robotics, Drone Technology, 3D printing	Students are free to opt for the required subjects Drone Technology and 3D printing are introduced in the R22 regulation.
	The syllabus needs to be revised with add-on labs and new subjects like UAV	Modeling and simulation of Autonomous Robots offered as Incorporated in R22 Regulation
Employer	Students should be ready to adopt new trends in technology such as Industry 4.0	Industry 4.0 subject is introduced in in R22 Regulation
	Students should update new technologies evolving day-to-day	Suggested the student to work on innovative projects with the use of Digital Twin and Industry 4.0 Concepts

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	Questionnaire for the feedback by the students
Q1	Course Contents of Curriculum in tune with the Program Outcomes
Q2	Course Contents designed offer enrich Core Competencies
Q3	Courses offered in the curriculum serves the needs of Mechanical Industries
Q4	Contact Hour Distribution among the various Course Components (LTP) is Satisfiable
Q5	Electives have enabled the passion to learn new technologies in emerging and interdisciplinary Areas
Q6	Curriculum providing enables towards self-learning
Q7	No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical skills

Analysis of the overall feedback given by the students on R22

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	50	50	0	0	0	4.5	Excellent
Q2	50	50	0	0	0	4.5	Excellent
Q3	50	50	0	0	0	4.5	Excellent
Q4	50	50	0	0	0	4.5	Excellent
Q5	50	50	0	0	0	4.5	Excellent
Q6	50	50	0	0	0	4.5	Excellent
Q7	50	50	0	0	0	4.5	Excellent

Questionnaire for the feedback by the Faculty

Q1	Curriculum designed is in tune with program Vision and Mission
Q2	Contents of the curriculum enhances the core competencies and employability skills
Q3	Allocation of Credits to the Courses Satisfiable
Q4	Contact Hour Distribution among the various Course Components (LTP) is Satisfiable
Q5	Electives offered in the program makes the faculty to explore latest technologies
Q6	Curriculum providing opportunity towards self-learning to meet the expectations
Q7	Number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students

Analysis of the overall feedback given by the Faculty on R22

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	84.6	15.4	0	0	0	4.846	Excellent
Q3	76.9	23.1	0	0	0	4.769	Excellent
Q4	84.6	15.4	0	0	0	4.846	Excellent
Q5	84.6	15.4	0	0	0	4.846	Excellent
Q6	92.3	7.7	0	0	0	4.923	Excellent
Q7	92.3	7.7	0	0	0	4.923	Excellent

	Questionnaire for the feedback by the Alumni
Q1	Curriculum has paved a good foundation in understanding the concepts
Q2	Course Contents of Curriculum fulfilled the specified Program Outcomes
Q3	Curriculum imparted all the required Job Oriented Skills / prerequisite to pursue higher education
Q4	Electives of Curriculum served the technical advancements needed to serve in the industry
Q5	Tools and Methodologies followed during practical sessions has enriched the required practical knowledge to serve inIndustry
Q6	Competency with your peers from other Institutions
Q7	Current curriculum meets the present industry demands

Analysis of the overall feedback given by the Alumni on R22

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	87.5	12.5	0	0	0	4.875	Excellent
Q3	75	25	0	0	0	4.75	Excellent
Q4	75	25	0	0	0	4.75	Excellent
Q5	100	0	0	0	0	5	Excellent
Q6	100	0	0	0	0	5	Excellent
Q7	87.5	12.5	0	0	0	4.875	Excellent

	Questionnaire for the feedback by the Employer
Q1	Course Contents of M.Tech Machine Design Curriculum is in tune with the Program Outcomes
Q2	Relevance of the Course Contents in tune with the Industry Demands
Q3	Elective are in-line with the technology advancements in Modelling and Design Sectors
Q4	Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry
Q5	Suggest any other points to improve the quality of the Curriculum

Analysis of the overall feedback given by the Employer on R22

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	60	40	0	0	0	4.6	Excellent
Q2	0	100	0	0	0	4	Excellent
Q3	60	40	0	0	0	4.6	Excellent
Q4	40	60	0	0	0	4.4	Excellent
Q5	20	80	0	0	0	4.2	Excellent