

**SONA COLLEGE OF TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**Stakeholders Feedback Analysis Report on Curriculum Design - 2022-23 (Odd Semester)**

Date: 01.06.2022

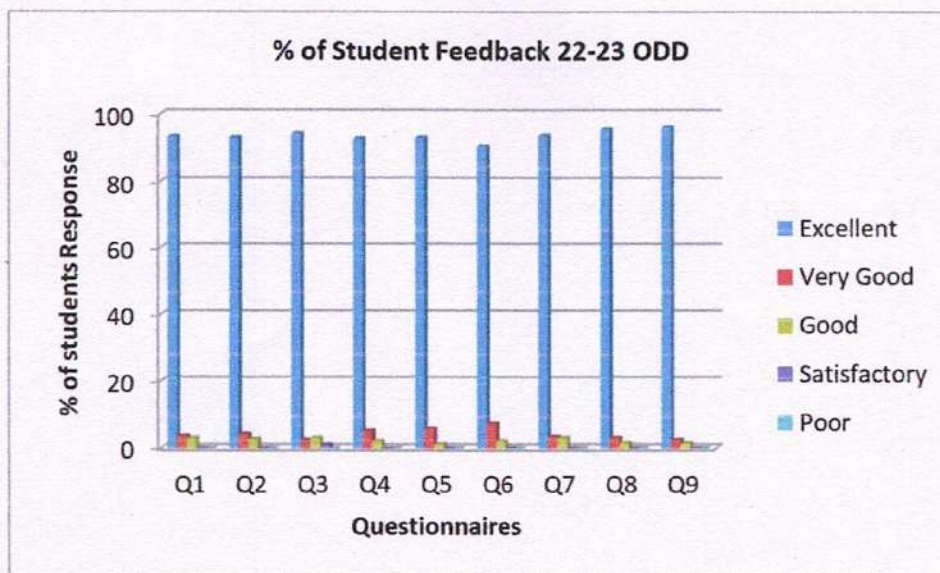
**1.Student's Feedback Analysis:**

The department administered a questionnaire to collect feedback from 327 students regarding the curriculum for the academic year 2022-2023. The survey covered essential aspects such as Relevance to Industry Trends, Incorporation of Practical Applications, Flexibility in Course Offerings, and the effectiveness of the Feedback Mechanism.

**Total number of responses = 327**

Question No	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	How do you rate the relevance of the courses offered in relation to the program?	305	12	10	0	0
Q2	How do you rate the curriculum and syllabus prescribed for the program?	304	14	9	0	0
Q3	How do rate the courses the allotted lecture/tutorials/practical hours are sufficient?	308	8	10	1	0
Q4	How do rate the course outcomes are clear and understandable?	303	17	7	0	0
Q5	How do rate the courses have sufficient text books and reference books are relevant and available in the library?	304	19	4	0	0
Q6	How do rate the curriculum for the enhancement of technical skills, problem solving skills and modern tool usage?	296	24	7	0	0
Q7	How do rate the courses for real world application and supporting for Entrepreneurship?	306	11	10	0	0
Q8	How do rate the curriculum design that supports to apply engineering knowledge for the society?	312	10	5	0	0
Q9	How do rate the courses are useful in the career advancement and lifelong learning?	314	8	5	0	0





**Student's Feedback Analysis Chart**

Students really like that the department keeps working to make the curriculum better. Having subject experts and industry professionals involved shows they're serious about giving a good and useful education. This makes students see the department in a positive light. Also, students are happy that their thoughts are considered during the Board of Studies (BoS) meeting. It makes them feel important and involved in their education. They also find it helpful that the assessment structure is clear. The specific goals for Course Outcome (CO) and the assessment weightage give them a clear way to understand how they're doing academically and plan their studies better.

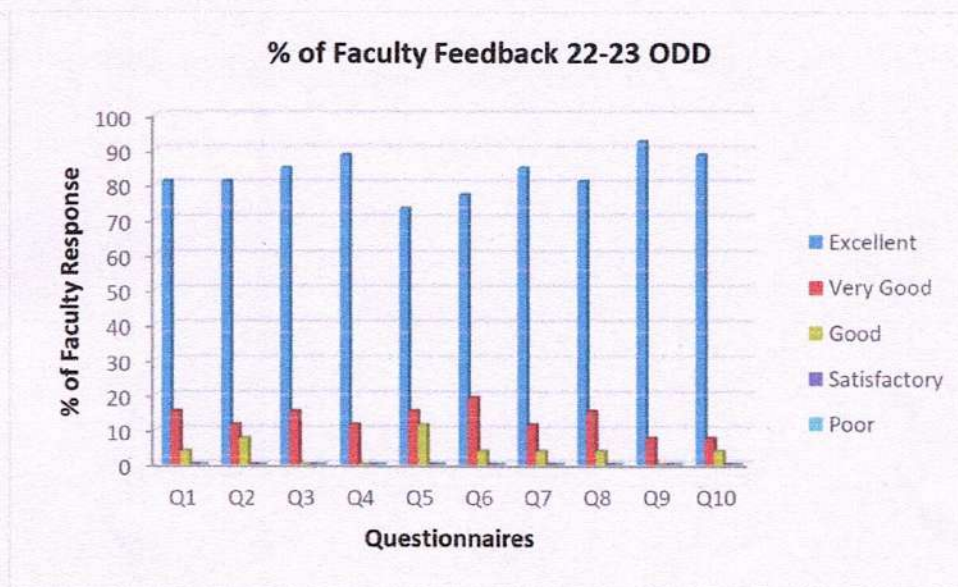
**2. Faculty Feedback Analysis:**

**Total number of responses = 27 (Faculty)**

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	How do you rate the relevance of these courses in relation to the program?	22	4	1	0	0
Q2	How do you rate the curriculum design and syllabus prescribed for the program?	22	3	2	0	0
Q3	How do rate this course the allotted lecture/ tutorials/ practical hours are sufficient?	23	4	0	0	0
Q4	How do rate this course have sufficient reading materials and resources available in the library?	24	3	0	0	0
Q5	How do rate this course the outcomes are appropriately defined and mapped?	20	4	3	0	0



Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q6	How do rate this course for dealing modern development / technological advancement?	21	5	1	0	0
Q7	How do rate this course for understanding concepts and relating to real world application?	23	3	1	0	0
Q8	How do rate this course provision to adopt new techniques and tools in teaching?	22	4	1	0	0
Q9	How do rate this course useful in the career advancement and lifelong learning of students?	25	2	0	0	0
Q10	How do rate this course for the contribution to the needs of the society?	24	2	1	0	0



**Faculty Feedback Analysis Chart**

Faculty members express appreciation for the collaborative approach to curriculum development, emphasizing the positive impact of involving subject experts and industry professionals. This collaborative effort is seen as a key factor in enhancing the overall quality of the curriculum. The structured assessment approach, particularly the clearly defined Course Outcome (CO) attainment target and assessment weightage, is welcomed by faculty. This approach is perceived as a valuable tool for streamlining the evaluation process, ensuring objectivity, and aligning assessments with academic goals. Furthermore, faculty members acknowledge the foresight in recognizing and incorporating industry trends into the curriculum. This proactive approach is



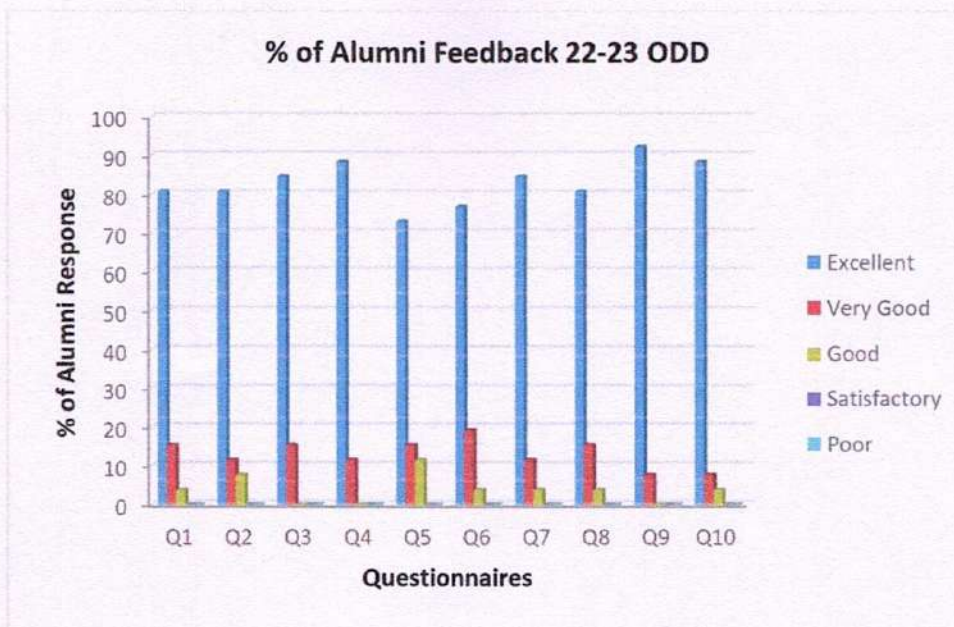
seen as crucial in maintaining the department's reputation for providing education that meets current and future industry needs.

### 3. Alumni Feedback Analysis

Total number of responses = 27

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	How do you rate the relevance of the courses in the relation to the program?	25	2	0	0	0
Q2	How do you rate the curriculum design and the syllabus prescribed for the programs?	25	2	0	0	0
Q3	How do you rate the sequence of the courses included in the programs	26	1	0	0	0
Q4	How do you rate the competencies in the relation to the course content	25	2	0	0	0
Q5	How do you rate the sequence of the topics placed in the course syllabus	26	1	0	0	0
Q6	At what extend curriculum matched with current industry trends	25	2	0	0	0
Q7	How do you rate the offering of the electives in relation to the technological advancements	25	2	0	0	0
Q8	How do you rate the depth and load of course content including project work	26	1	0	0	0
Q9	How do you rate the course which are skills related matching to the industry included in the programs?	26	1	0	0	0
Q10	How best the curriculum and courses helps to you to improve your inter and intrapersonal skills.	25	2	0	0	0





**Alumni Feedback Analysis Chart**

Alumni appreciate the department's dedication to keeping the syllabus updated and relevant, understanding its significance in keeping up with industry changes. They see the involvement of experts in the review process as a strong commitment to maintaining high educational standards, giving them confidence in the quality of education. The clear method of evaluating students' learning outcomes, with a specific goal for Course Outcome (CO) achievement and assessment weightage, assures alumni of the department's commitment to academic rules and creating a challenging learning environment. The positive view of adapting to emerging industry trends reflects the department's proactive approach to giving students knowledge that matches current and future industry needs.

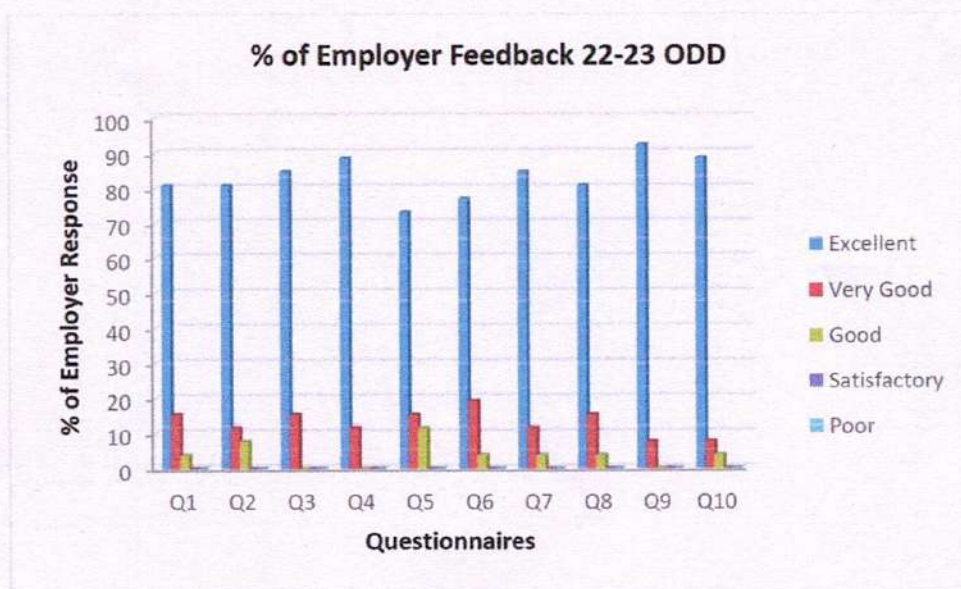
**4. Employer Feedback Analysis**

**Total number of responses = 10**

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	How do rate the curriculum and syllabus gives sufficient knowledge in the area of study?	7	2	1	0	0
Q2	How do rate the curriculum ensures required skill sets appropriate to the industry?	6	3	1	0	0
Q3	How do rate our curriculum design focus on employability?	8	2	0	0	0



Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q4	How do rate the interpersonal skill of the student?	6	3	1	0	0
Q5	How do rate, our student can effectively apply modern engineering technology and tools in their profession?	8	2	0	0	0
Q6	How do rate our student, capable to communicate effectively?	7	2	1	0	0
Q7	How do rate the level of technical contribution of our student?	7	1	2	0	0
Q8	How do rate the students have the ability to learn continuously and upgrade their skills?	7	2	1	0	0
Q9	How do rate our student, professional, Ethical & socially responsible engineer?	8	2	0	0	0
Q10	How do rate our curriculum that contributes to the needs of the society?	8	2	0	0	0



**Employer Feedback Analysis Chart**



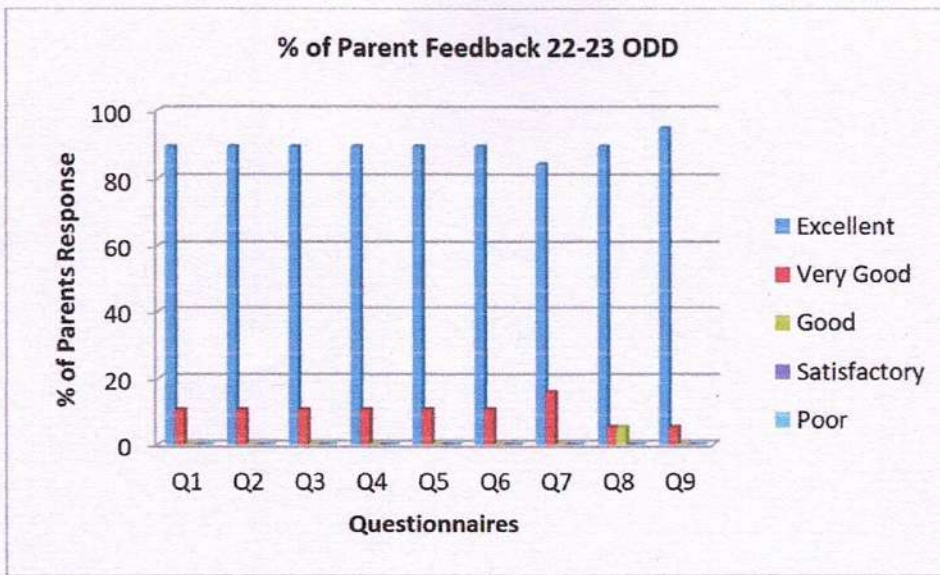
Employers like that the department is committed to matching the curriculum with industry needs. They appreciate the active inclusion of real-world applications and industry-related topics to prepare graduates for jobs. The focus on advanced skills like machine learning, IIOT, and ERP architecture is seen as a positive effort that makes graduates more employable in a tech-driven job market. Employers find confidence in the set targets for students' performance and the evaluation process. This organized approach shows the department's commitment to producing graduates who meet industry standards and have the right skills for success in their fields.

### 5. Parents Feedback Analysis

Total number of responses = 19

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	Is the curriculum covers major focus area of mechanical engineering?	17	2	0	0	0
Q2	Is the syllabus covered the entire topics related to Mechanical engineering?	17	2	0	0	0
Q3	Is the syllabus covered related to latest trends?	17	2	0	0	0
Q4	Is the syllabus covered can meet the industry requirement?	17	2	0	0	0
Q5	Are the topics in the syllabus sufficient for the solve real time problems?	17	2	0	0	0
Q6	Are the lab courses covers the industry standards?	17	2	0	0	0
Q7	Are the electives are sufficient for the improvement of knowledge for your ward?	16	3	0	0	0
Q8	Is your ward able to follow the syllabus contents?	17	1	1	0	0
Q9	Are the contents in the syllabus can make your ward lifelong learning	18	1	0	0	0





### Parents Feedback Analysis Chart

Parents appreciate the clear and effective communication from the BoS committee members of the Mechanical Department, creating a positive view of the department's work. The agreement with the institution's goals, evident in the accepted syllabus content, is seen as a positive step. Parents feel reassured by the ongoing review and improvements in the curriculum, with the involvement of industry experts instilling confidence in the quality and relevance of education provided to their children.

*S. Jeeva* 21/6/22  
 BOS Coordinator/ Mechanical

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**SONA COLLEGE OF TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**Stakeholders Feedback Analysis Report on Curriculum Design - 2022-23 (Even Semester)**

Date: 25.11.2022

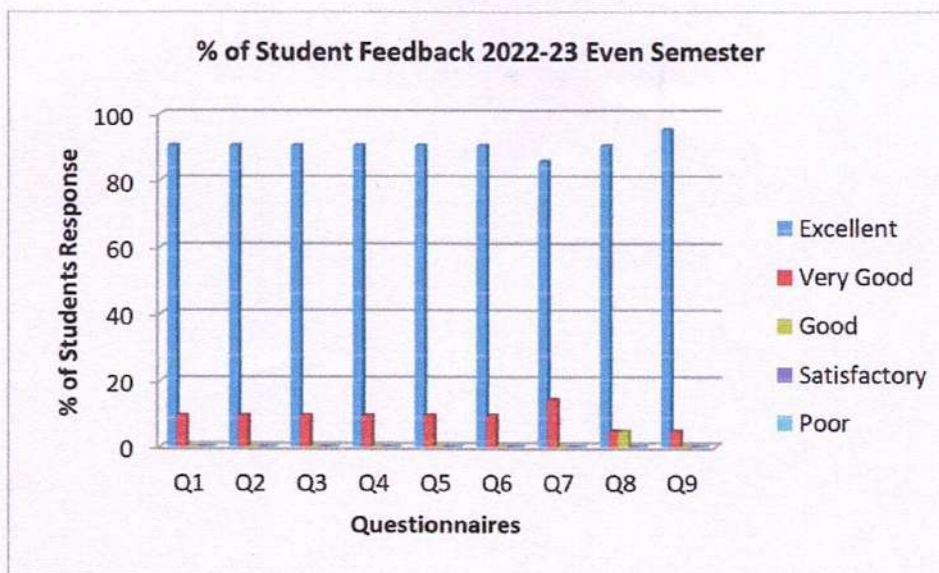
**1. Student's Feedback Analysis:**

The department conducted a survey encompassing 344 students to gather feedback on the curriculum for the academic year 2022-2023 even semester. The questionnaire delved into crucial facets including alignment with industry trends, integration of practical applications, flexibility in course offerings, and the efficacy of the feedback mechanism.

**Total number of responses = 344**

Question No	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	How do you rate the relevance of the courses offered in relation to the program?	320	13	11	0	0
Q2	How do you rate the curriculum and syllabus prescribed for the program?	320	15	9	0	0
Q3	How do rate the courses the allotted lecture/tutorials/practical hours are sufficient?	323	8	11	2	0
Q4	How do rate the course outcomes are clear and understandable?	319	18	7	0	0
Q5	How do rate the courses have sufficient text books and reference books are relevant and available in the library?	320	20	4	0	0
Q6	How do rate the curriculum for the enhancement of technical skills, problem solving skills and modern tool usage?	312	25	7	0	0
Q7	How do rate the courses for real world application and supporting for Entrepreneurship?	321	12	11	0	0
Q8	How do rate the curriculum design that supports to apply engineering knowledge for the society?	328	11	5	0	0
Q9	How do rate the courses are useful in the career advancement and lifelong learning?	331	8	5	0	0





**Student's Feedback Analysis Chart**

The feedback analysis highlights a positive response from students regarding the curriculum's alignment with industry demands. The introduction of Cyber Security in Design and Manufacturing (CSDM) as a professional elective reflects a commitment to current industry needs, emphasizing the students' recognition of the importance of staying updated in areas such as cyber-security. The awareness of programming language subjects in early semesters, encompassing OOPS and Python programming for Machine Learning and problem-solving, underscores the students' understanding of the significance of programming skills in fields like Cyber Security. Additionally, students' inquiries about the practical applications of concepts like mobile communication in CSDM and the relationship of Computer Vision with Smart Manufacturing reveal a keen interest in the real-world implications of their studies. Furthermore, their openness to pursuing additional courses beyond the standard curriculum indicates a proactive approach to knowledge enhancement.

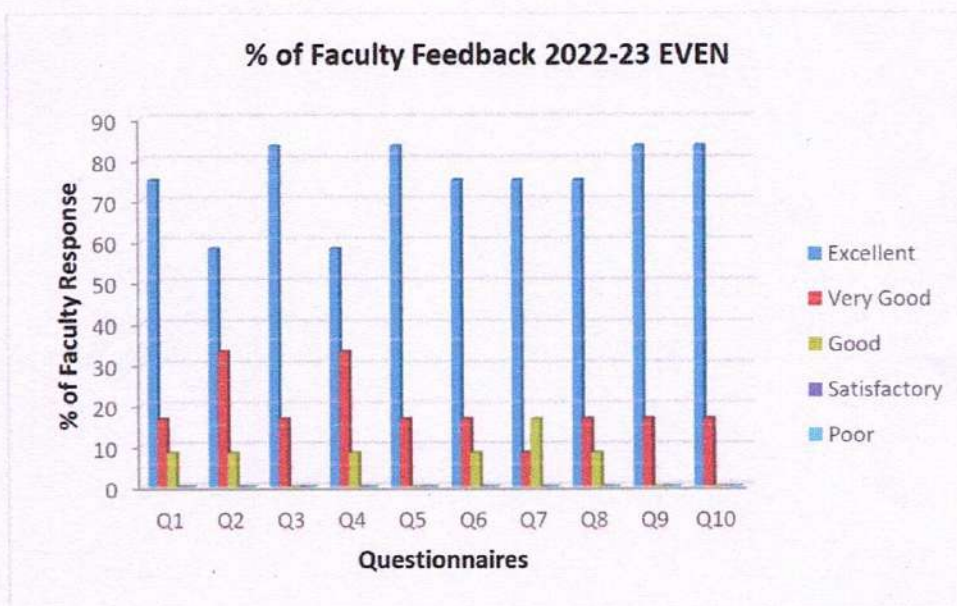
## 2. Faculty Feedback Analysis:

**Total number of responses = 24**

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	How do you rate the relevance of these courses in relation to the program?	19	4	1	0	0
Q2	How do you rate the curriculum design and syllabus prescribed for the program?	19	3	2	0	0
Q3	How do rate this course the allotted lecture/ tutorials/ practical hours are sufficient?	20	4	0	0	0
Q4	How do rate this course have sufficient reading materials and resources available in the library?	21	3	0	0	0



Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q5	How do rate this course the outcomes are appropriately defined and mapped?	17	4	3	0	0
Q6	How do rate this course for dealing modern development / technological advancement?	18	5	1	0	0
Q7	How do rate this course for understanding concepts and relating to real world application?	20	3	1	0	0
Q8	How do rate this course provision to adopt new techniques and tools in teaching?	19	4	1	0	0
Q9	How do rate this course useful in the career advancement and lifelong learning of students?	22	2	0	0	0
Q10	How do rate this course for the contribution to the needs of the society?	21	2	1	0	0



**Faculty Feedback Analysis Chart**

The faculty's possession of NPTEL course knowledge, particularly in handling the Cyber Security in Design and Manufacturing (CSDM) subject, demonstrates a commendable proactive approach to staying abreast of relevant industry-oriented courses. This commitment to continuous learning enhances the faculty's ability to deliver updated and practical knowledge to students. The incorporation of industry-relevant topics, such as Cyber Security, Mobile



Communication, and Computer Vision, into the curriculum signifies a commendable effort to align academic content with practical industry concepts. The feedback loop should encourage faculty to persist in actively seeking and integrating such pertinent industry insights. Moreover, the consideration of students' programming skills, suggestions for Honors and Minors degree programs, and the utilization of online platforms like NPTEL showcase a student-centric approach, ensuring a holistic and industry-ready development for the students. This student-focused strategy should be further emphasized and expanded upon in future curriculum planning.

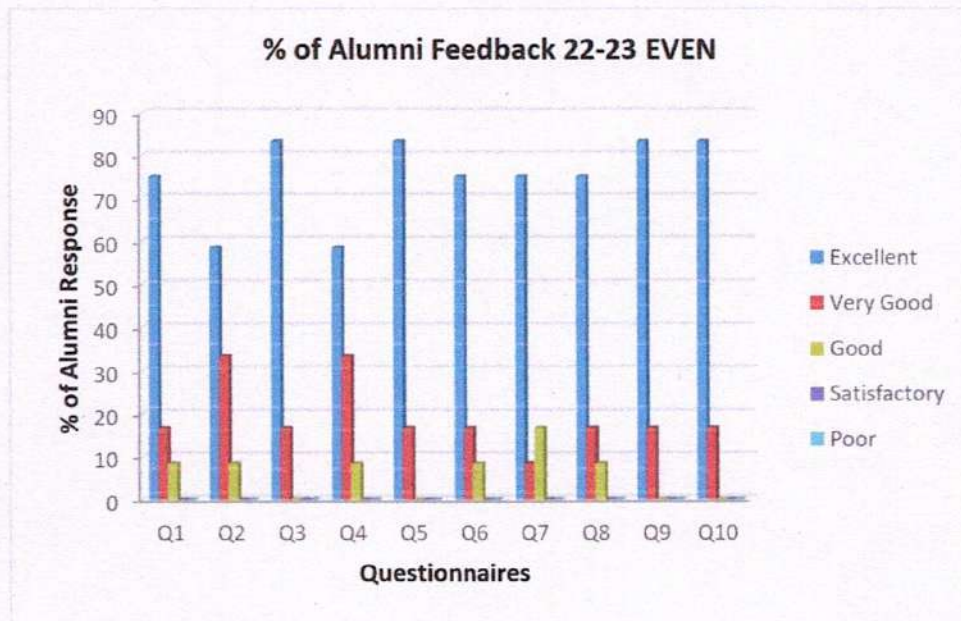
### 3. Alumni Feedback Analysis

Total number of responses = 27

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	How do you rate the relevance of the courses in the relation to the program?	23	2	0	0	0
Q2	How do you rate the curriculum design and the syllabus prescribed for the programs?	23	2	0	0	0
Q3	How do you rate the sequence of the courses included in the programs	24	1	0	0	0
Q4	How do you rate the competencies in the relation to the course content	23	2	0	0	0
Q5	How do you rate the sequence of the topics placed in the course syllabus	24	1	0	0	0
Q6	At what extend curriculum matched with current industry trends	23	2	0	0	0
Q7	How do you rate the offering of the electives in relation to the technological advancements	23	2	0	0	0
Q8	How do you rate the depth and load of course content including project work	24	1	0	0	0



Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q9	How do you rate the course which are skills related matching to the industry included in the programs?	24	1	0	0	0
Q10	How best the curriculum and courses helps to you to improve your inter and intrapersonal skills.	23	2	0	0	0



**Alumni Feedback Analysis Chart**

Having a continuous feedback system involving employers, students, parents, and teachers is really important to keep improving the school program. Regular feedback helps to adjust the education to what the industry needs. It shows that working together is key to making the curriculum better. It's also pointed out how crucial it is for teachers to know about what's happening in the industry. That's why ongoing teacher training is needed. This training makes sure teachers are aware of the latest industry practices. This way, they can teach students things that are really useful. Also, focusing on practical things like projects and working with the industry is a great idea. It helps students not just learn theory but also gain skills they can use in the real world. This way of teaching, centered on students, makes education match what the industry wants, making learning better overall.

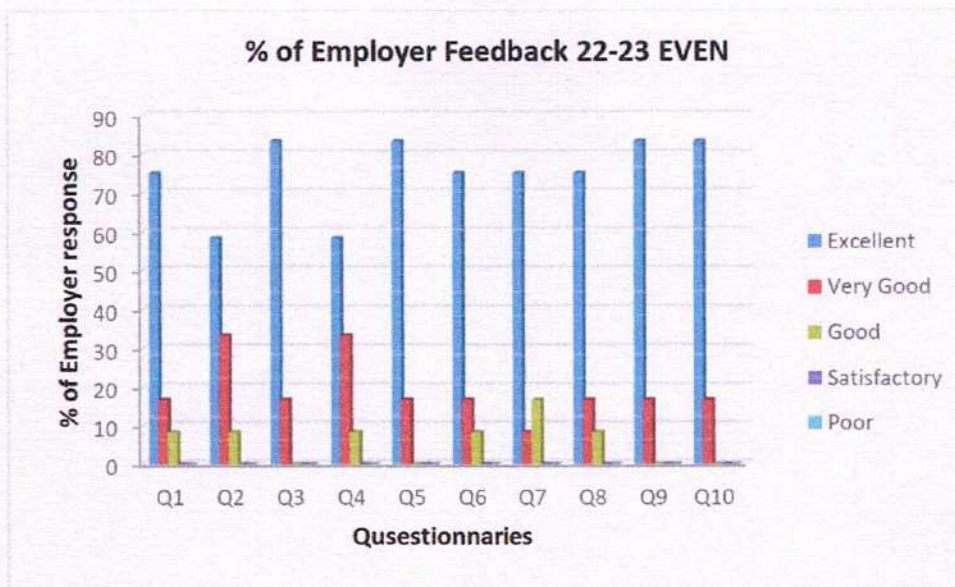


#### 4. Employer Feedback Analysis

Total number of responses = 10

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	How do rate the curriculum and syllabus gives sufficient knowledge in the area of study?	9	2	1	0	0
Q2	How do rate the curriculum ensures required skill sets appropriate to the industry?	7	4	1	0	0
Q3	How do rate our curriculum design focus on employability?	10	2	0	0	0
Q4	How do rate the interpersonal skill of the student?	7	4	1	0	0
Q5	How do rate, our student can effectively apply modern engineering technology and tools in their profession?	10	2	0	0	0
Q6	How do rate our student, capable to communicate effectively?	9	2	1	0	0
Q7	How do rate the level of technical contribution of our student?	9	1	2	0	0
Q8	How do rate the students have the ability to learn continuously and upgrade their skills?	9	2	1	0	0
Q9	How do rate our student, professional, Ethical & socially responsible engineer?	10	2	0	0	0
Q10	How do rate our curriculum that contributes to the needs of the society?	10	2	0	0	0





### Employer Feedback Analysis Chart

People are saying good things about using Python in the curriculum, which means it matches what's happening in industries now. Businesses see Python as valuable for lots of things like handling data, machine learning, and automation. This positive feedback shows the program is doing a good job getting students ready for jobs. Also, it points out that students need to know more about how engineering services work, especially different models of outsourcing. This suggests the program could focus on teaching students about industry practices beyond just what's in the books. Adding Cyber Security in Design and Manufacturing (CSDM) as an elective is seen as a good move. It shows the program is keeping up with what industries need. Companies like that it focuses on making digital manufacturing systems more secure, showing the program is actively adding what's happening now in industries to what students learn.

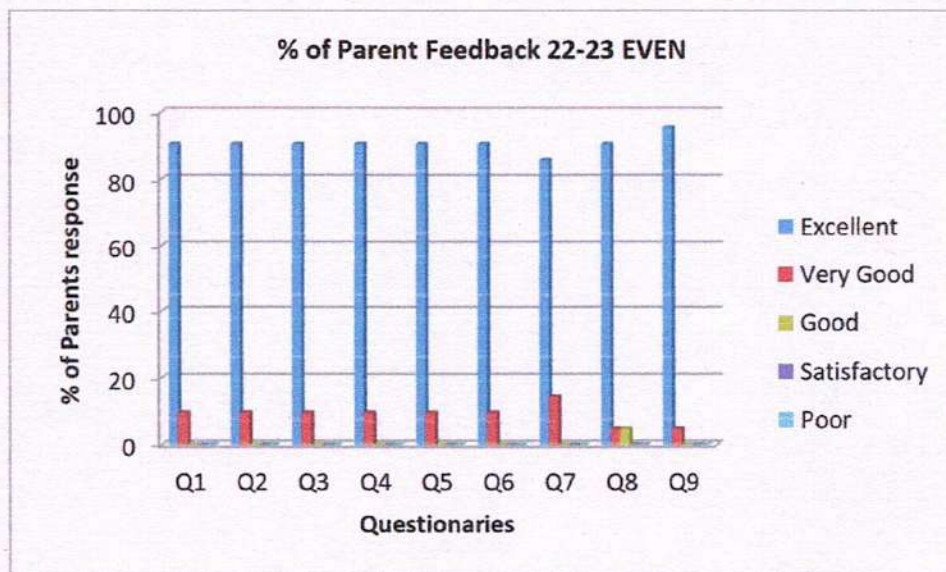
#### 5. Parents Feedback Analysis

**Total number of responses = 19**

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	Is the curriculum covers major focus area of mechanical engineering?	19	2	0	0	0
Q2	Is the syllabus covered the entire topics related to Mechanical engineering?	19	2	0	0	0
Q3	Is the syllabus covered related to latest trends?	19	2	0	0	0
Q4	Is the syllabus covered can meet the industry requirement?	19	2	0	0	0



Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q5	Are the topics in the syllabus sufficient for the solve real time problems?	19	2	0	0	0
Q6	Are the lab courses covers the industry standards?	19	2	0	0	0
Q7	Are the electives are sufficient for the improvement of knowledge for your ward?	18	3	0	0	0
Q8	Is your ward able to follow the syllabus contents?	19	1	1	0	0
Q9	Are the contents in the syllabus can make your ward lifelong learning	20	1	0	0	0



**Parents Feedback Analysis Chart**

Parents mostly want to know if their kids will get good jobs after finishing the program. To help with this, sharing more details about where graduates get jobs, like company names and roles, would help parents see how successful the program is in setting up careers. Also, making ways for parents to give feedback and suggest changes to what students learn can be a good idea. This lets parents share their thoughts on what might be useful for their kids. And it's important to make sure teachers keep learning too. This helps them understand what's new in the job world, making sure they teach things that both meet school standards and match what parents expect for their kids' future jobs.

*[Signature]*  
 BOS Coordinator/Mechanical

*[Signature]* 28/11/2022  
 BOS Chairman/Mechanical

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