

SONA COLLEGE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

Stakeholders Feedback Analysis Report on Curriculum Design - 2020-21 (Odd Semester)

Date: 15.04.2020

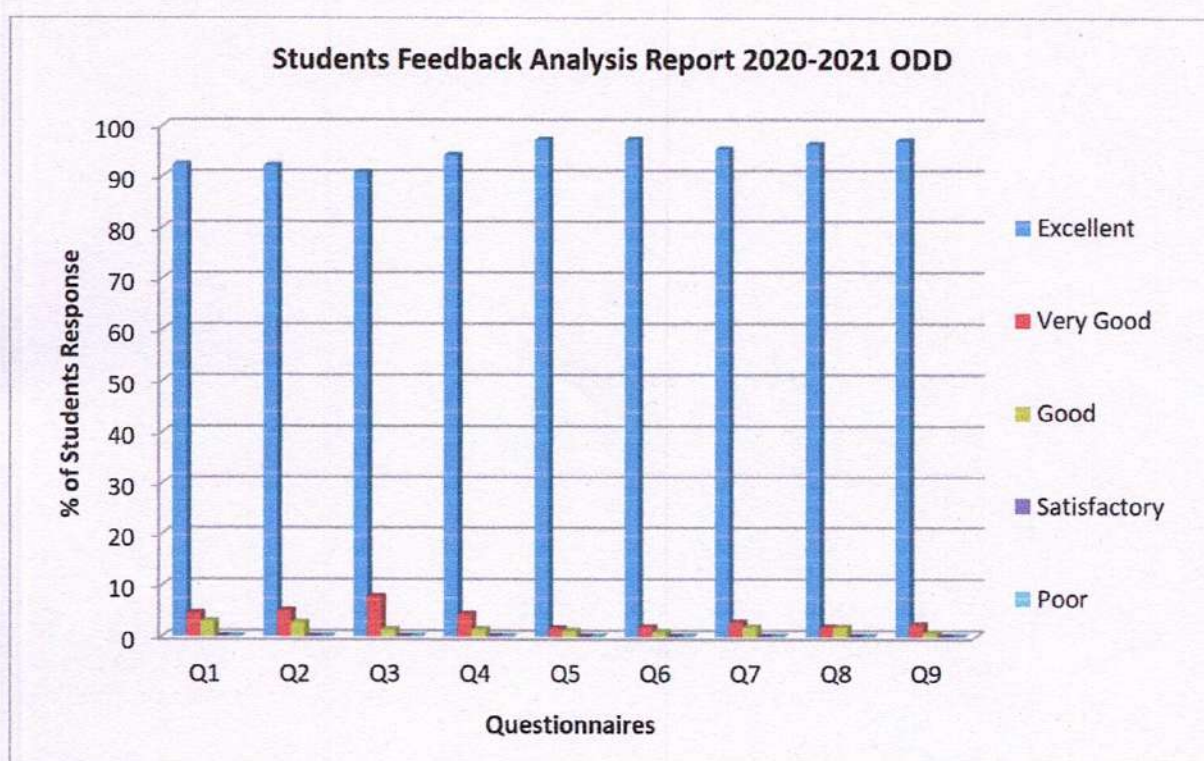
1.Student's Feedback Analysis:

The department has obtained feedback on the curriculum from students through questionnaires which contain the following major aspects such as courses offered, curriculum and syllabus, course outcomes, textbooks and reference books, curriculum for the enhancement, real-world application and career advancement, and lifelong learning. Totally 435 students gave their feedback on the curriculum for the academic year 2020-21.

Total number of responses = 435

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?	402	20	13	0	0
Q2	How do you rate the curriculum and syllabus prescribed for the program?	401	22	12	0	0
Q3	How do rate the courses the allotted lecture/tutorials/practical hours are sufficient?	405	24	6	0	0
Q4	How do rate the course outcomes are clear and understandable?	410	11	6	0	0
Q5	How do rate the courses have sufficient text books and reference books are relevant and available in the library?	473	7	5	0	0
Q6	How do rate the curriculum for the enhancement of technical skills, problem solving skills and modern tool usage?	473	8	4	0	0

Question No.	STATEMENT	Excel lent	Very Good	Good	Satisfactory	Poor
Q7	How do rate the courses for real world application and supporting for Entrepreneurship?	465	12	8	0	0
Q8	How do rate the curriculum design that supports to apply engineering knowledge for the society?	469	8	8	0	0
Q9	How do rate the courses are useful in the career advancement and lifelong learning?	472	10	3	0	0



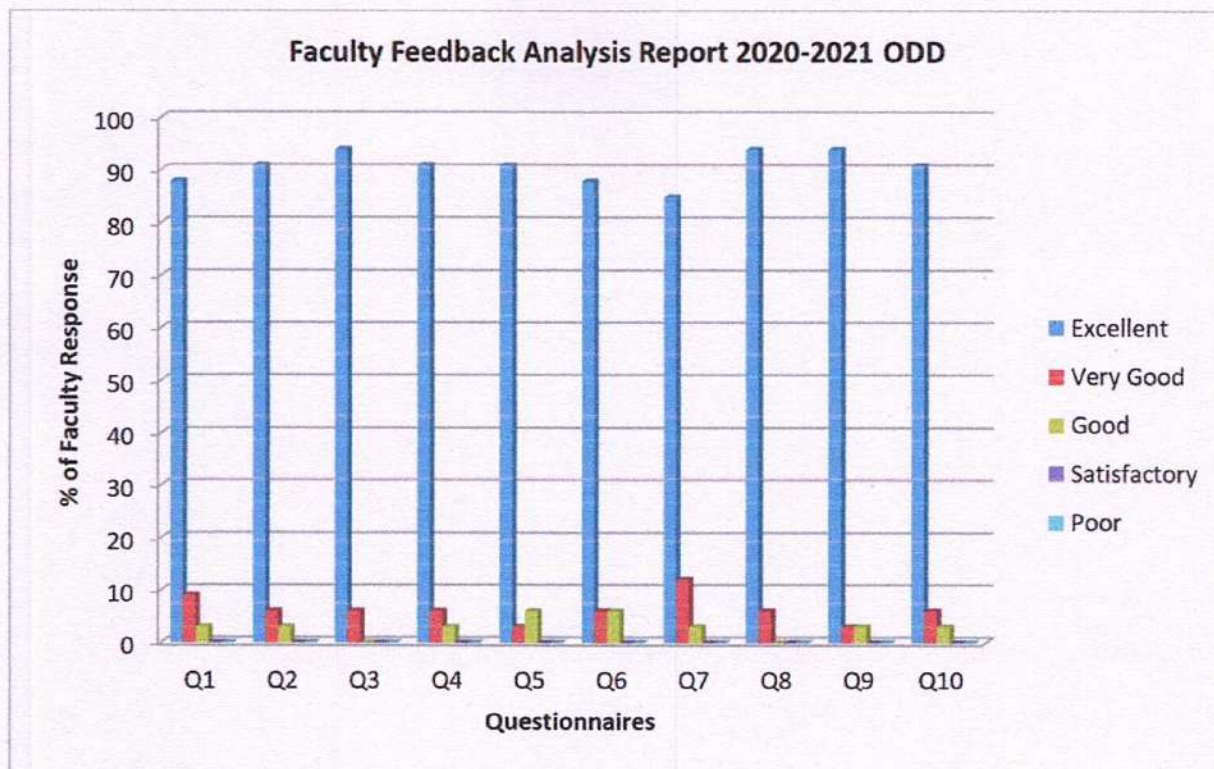
Student's Feedback Analysis Chart

The above student's feedback analysis chart shows the percentage of students response for the feedback questionnaire given to them. 412 out of 435 responses indicated that the curriculum was excellent. In addition to that they have expressed their interest to include more number of software and programming related subjects into the curriculum. They also would like to have courses with minimal topics related to crack the competitive exams into their curriculum. The overall feedback report of mechanical engineering strongly reflected the inclusion of advanced technology courses into their curriculum.

2. Faculty Feedback Analysis:

Total number of responses = 33 (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?	29	3	1	0	0
Q2	How do you rate the curriculum design and syllabus prescribed for the program?	30	2	1	0	0
Q3	How do rate this course the allotted lecture/ tutorials/ practical hours are sufficient?	31	2	0	0	0
Q4	How do rate this course have sufficient reading materials and resources available in the library?	30	2	1	0	0
Q5	How do rate this course the outcomes are appropriately defined and mapped?	30	1	2	0	0
Q6	How do rate this course for dealing modern development / technological advancement?	29	2	2	0	0
Q7	How do rate this course for understanding concepts and relating to real world application?	28	4	1	0	0
Q8	How do rate this course provision to adopt new techniques and tools in teaching?	31	1	0	0	0
Q9	How do rate this course useful in the career advancement and lifelong learning of students?	31	1	1	0	0
Q10	How do rate this course for the contribution to the needs of the society?	30	2	1	0	0



Faculty Feedback Analysis Chart

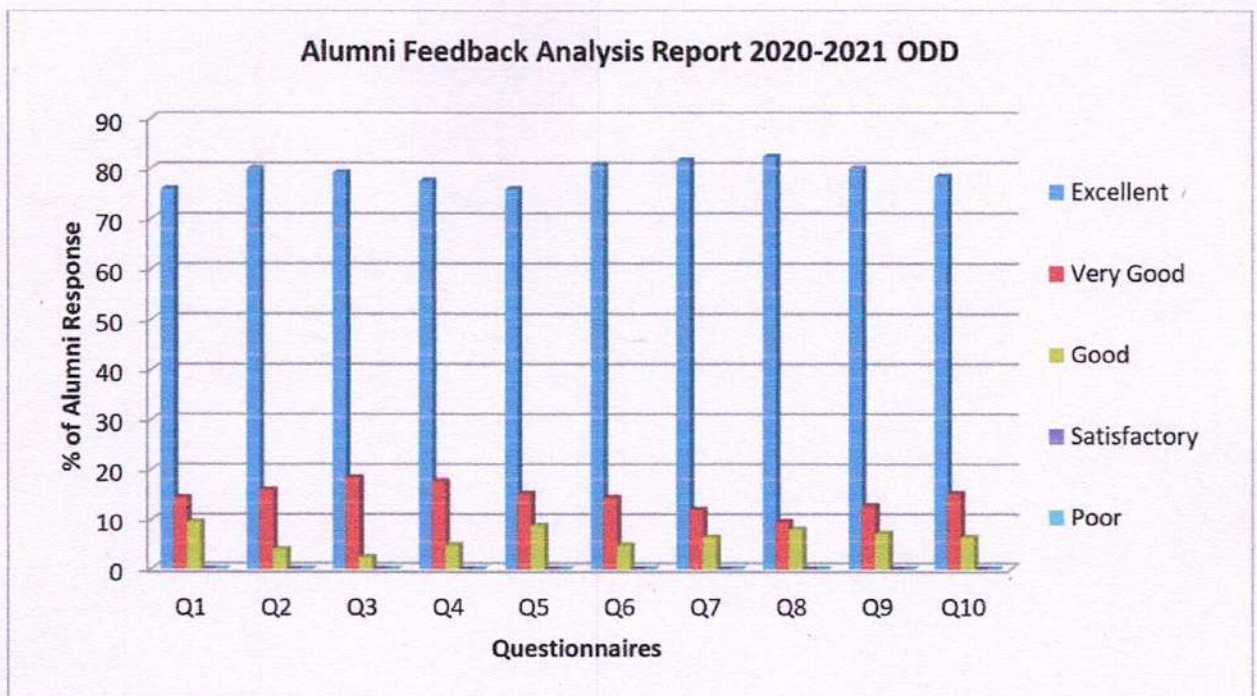
The above feedback analysis taken from faculty of various streams of mechanical engineering shows overall curriculum is strong enough to face the latest technology including software as well as core. Additionally include CFD experiments, Image recognition techniques, and Liquid phase and gaseous phase experiments on the laboratory courses in the curriculum for getting placement opportunities in the core area and also include the subject of advanced sensors as an elective in the curriculum.

3. Alumni Feedback Analysis

Total number of responses = 125

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?	95	18	12	0	0
Q2	How do you rate the curriculum design and the syllabus prescribed for the programs?	100	20	5	0	0

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q3	How do you rate the sequence of the courses included in the programs	99	23	3	0	0
Q4	How do you rate the competencies in the relation to the course content	97	22	6	0	0
Q5	How do you rate the sequence of the topics placed in the course syllabus	95	19	11	0	0
Q6	At what extend curriculum matched with current industry trends	101	18	6	0	0
Q7	How do you rate the offering of the electives in relation to the technological advancements	102	15	8	0	0
Q8	How do you rate the depth and load of course content including project work	103	12	10	0	0
Q9	How do you rate the course which are skills related matching to the industry included in the programs?	100	16	9	0	0
Q10	How best the curriculum and courses helps to you to improve your inter and intrapersonal skills.	98	19	8	0	0



Alumni Feedback Analysis Chart

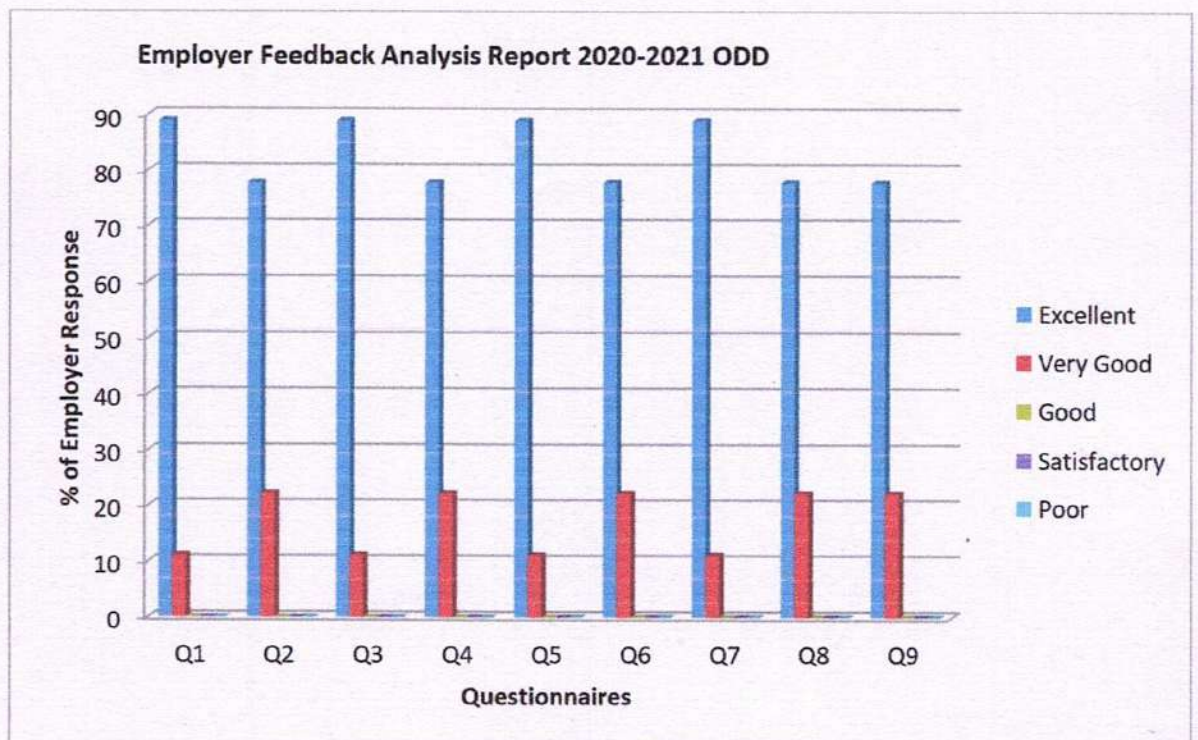
Feedback analysis response is taken from 125 alumni and the bar chart is drawn by percentage of alumni against various questions. They suggest introducing subjects related to programming, centroids, and vapor cycles in the curriculum so students can get jobs in the software and core fields. Also 100 out of 125 gave their feedback as excellent for overall curriculum design in the current mechanical field.

4. Employer Feedback Analysis

Total number of responses = 9

Questions No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	How do rate the curriculum and syllabus gives sufficient knowledge in the area of study?	8	1	0	0	0
Q2	How do rate the curriculum ensures required skill sets appropriate to the industry?	7	2	0	0	0
Q3	How do rate our curriculum design focus on employability?	8	1	0	0	0
Q4	How do rate the interpersonal skill of the student?	7	2	0	0	0

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



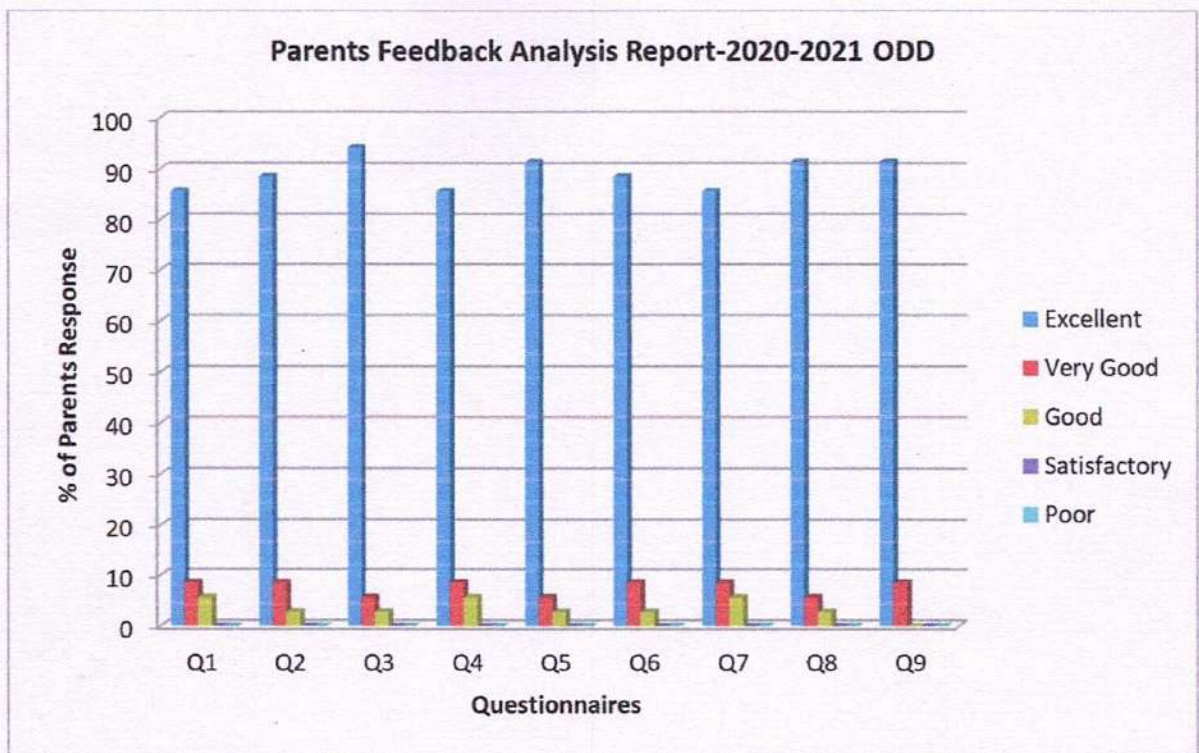
Employer Feedback Analysis Chart

The employer recommended having a clear split up on the lecture and tutorial hours on the syllabi framed among all the five units. Real time industrial problems are more useful, if it is included in subjects.

5. Parents Feedback Analysis

Total number of responses = 35

Question No	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
1	Is the curriculum covers major focus area of mechanical engineering?	30	3	2	0	0
2	Is the syllabus covered the entire topics related to Mechanical engineering?	31	3	1	0	0
3	Is the syllabus covered related to latest trends?	33	2	1	0	0
4	Is the syllabus covered can meet the industry requirement?	30	3	2	0	0
5	Are the topics in the syllabus sufficient for the solve real time problems?	32	2	1	0	0
6	Are the lab courses covers the industry standards?	31	3	1	0	0
7	Are the electives are sufficient for the improvement of knowledge for your ward?	30	3	2	0	0
8	Is your ward able to follow the syllabus contents?	32	2	1	0	0
9	Are the contents in the syllabus can make your ward lifelong learning	32	3	0	0	0



Parents Feedback Analysis Chart

The above chart shows the percentage of parent's response to the feedback questionnaires. 31 out of 35 parents' responses were excellent for the curriculum design. And also they have given the following suggestions to improve the placement count, such as training in 3D printer Technology, Robotics, and Industrial IOT related subjects.

[Signature]
 BOS Coordinator/ Mechanical
 15/4/20

[Signature]
 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 Analysis Report on Curriculum Design - 2020-21 (Even Semester)

Date: 16.11.2020

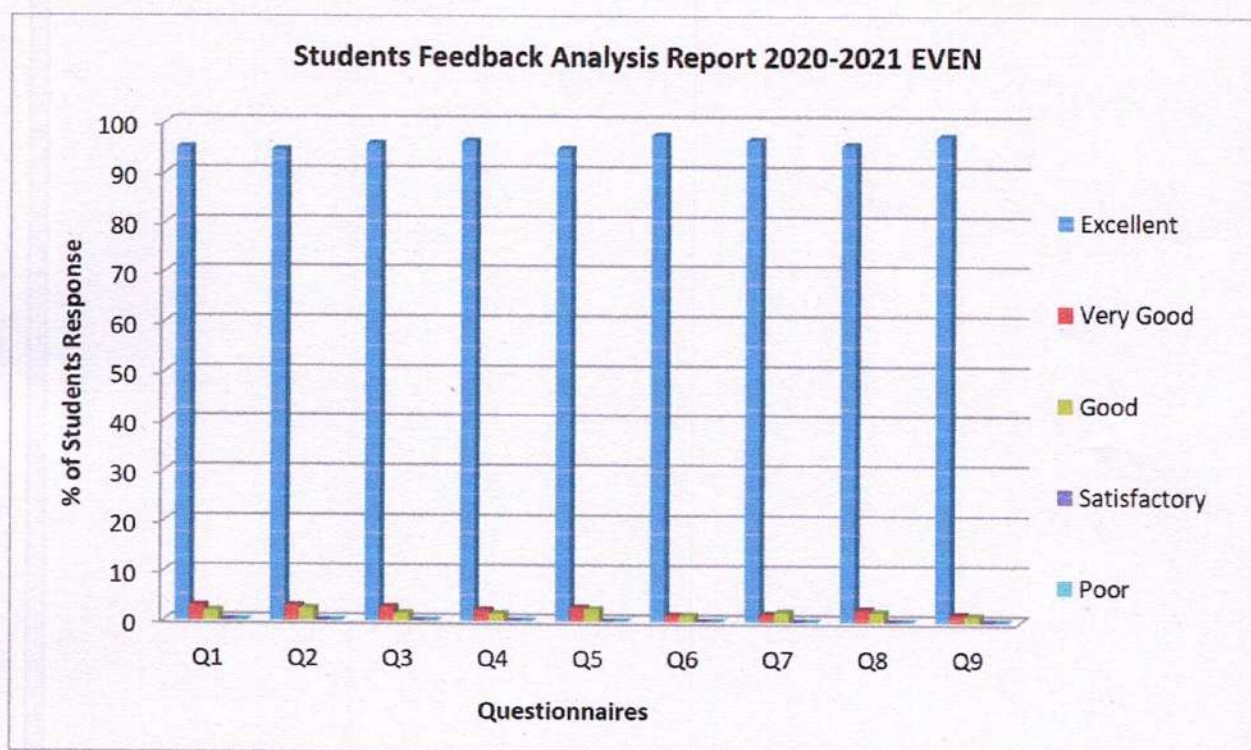
3.Student's Feedback Analysis:

The department has obtained feedback on the curriculum from students through questionnaires that contain the following major aspects such as courses offered, curriculum and syllabus, course outcomes, sufficient textbooks and reference books, curriculum for the enhancement, real-world application, and career advancement and lifelong learning. Totally 410 students gave their feedback on the curriculum for the academic year 2020-21.

Total number of responses = 410

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?	390	12	8	0	0
Q2	How do you rate the curriculum and syllabus prescribed for the program?	388	12	10	0	0
Q3	How do rate the courses the allotted lecture/tutorials/practical hours are sufficient?	393	11	6	0	0
Q4	How do rate the course outcomes are clear and understandable?	395	9	6	0	0
Q5	How do rate the courses have sufficient text books and reference books are relevant and available in the library?	389	11	10	0	0
Q6	How do rate the curriculum for the enhancement of technical skills, problem solving skills and modern tool usage?	400	5	5	0	0

Question No	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q7	How do rate the courses for real world application and supporting for Entrepreneurship?	396	12	8	0	0
Q8	How do rate the curriculum design that supports to apply engineering knowledge for the society?	392	10	8	0	0
Q9	How do rate the courses are useful in the career advancement and lifelong learning?	399	6	5	0	0



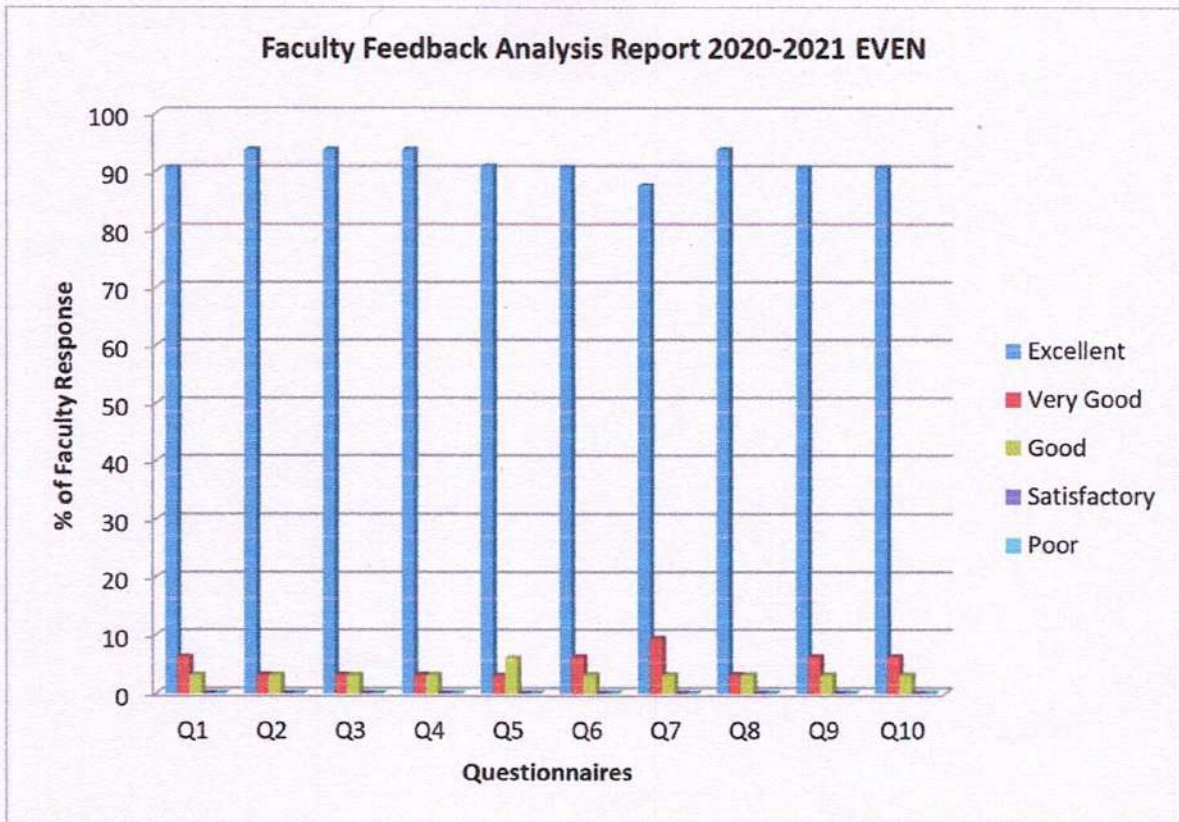
Student's Feedback Analysis Chart

The above student's feedback analysis chart shows the percentage of students and feedback questionnaires. 394 out of 410 responses indicated that the curriculum was excellent. In addition to that they have given the following feedback as inclusion of Coding and Programming subjects, launching of certificate diploma courses to enhance the knowledge of the latest trends in the mechanical engineering field, and topics of Gate Exam in all subject syllabi. From the above feedback report overall curriculum strongly reflected mechanical engineering with advanced technology courses.

4. Faculty Feedback Analysis:

Total number of responses = 32 (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?	29	2	1	0	0
Q2	How do you rate the curriculum design and syllabus prescribed for the program?	30	1	1	0	0
Q3	How do rate this course the allotted lecture/ tutorials/ practical hours are sufficient?	30	1	1	0	0
Q4	How do rate this course have sufficient reading materials and resources available in the library?	30	1	1	0	0
Q5	How do rate this course the outcomes are appropriately defined and mapped?	30	1	2	0	0
Q6	How do rate this course for dealing modern development / technological advancement?	29	2	1	0	0
Q7	How do rate this course for understanding concepts and relating to real world application?	28	3	1	0	0
Q8	How do rate this course provision to adopt new techniques and tools in teaching?	30	1	1	0	0
Q9	How do rate this course useful in the career advancement and lifelong learning of students?	29	2	1	0	0
Q10	How do rate this course for the contribution to the needs of the society?	29	2	1	0	0



Faculty Feedback Analysis Chart

The above feedback analysis taken from the faculty of various streams of mechanical engineering, shows overall curriculum is strong and enough to get placements. Additionally, include the 'Fundamentals of Computational Intelligence' course and 'Object Oriented Programming for Mechanical Engineering' course in the curriculum for getting placement opportunities in core and software placement.

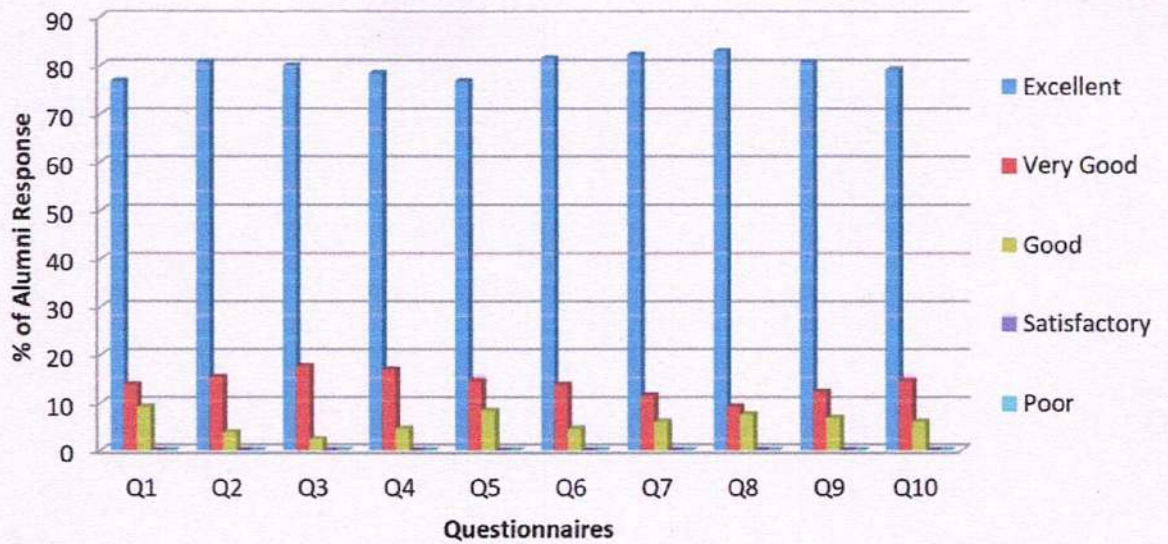
3. Alumni Feedback Analysis

Total number of responses = 130

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?	100	18	12	0	0
Q2	How do you rate the curriculum design and the syllabus prescribed for the programs?	105	20	5	0	0

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q3	How do you rate the sequence of the courses included in the programs	104	23	3	0	0
Q4	How do you rate the competencies in the relation to the course content	102	22	6	0	0
Q5	How do you rate the sequence of the topics placed in the course syllabus	100	19	11	0	0
Q6	At what extend curriculum matched with current industry trends	106	18	6	0	0
Q7	How do you rate the offering of the electives in relation to the technological advancements	107	15	8	0	0
Q8	How do you rate the depth and load of course content including project work	108	12	10	0	0
Q9	How do you rate the course which are skills related matching to the industry included in the programs?	105	16	9	0	0
Q10	How best the curriculum and courses helps to you to improve your inter and intrapersonal skills.	103	19	8	0	0

Alumni Feedback Analysis Report 2020-2021 EVEN



Alumni Feedback Analysis Chart

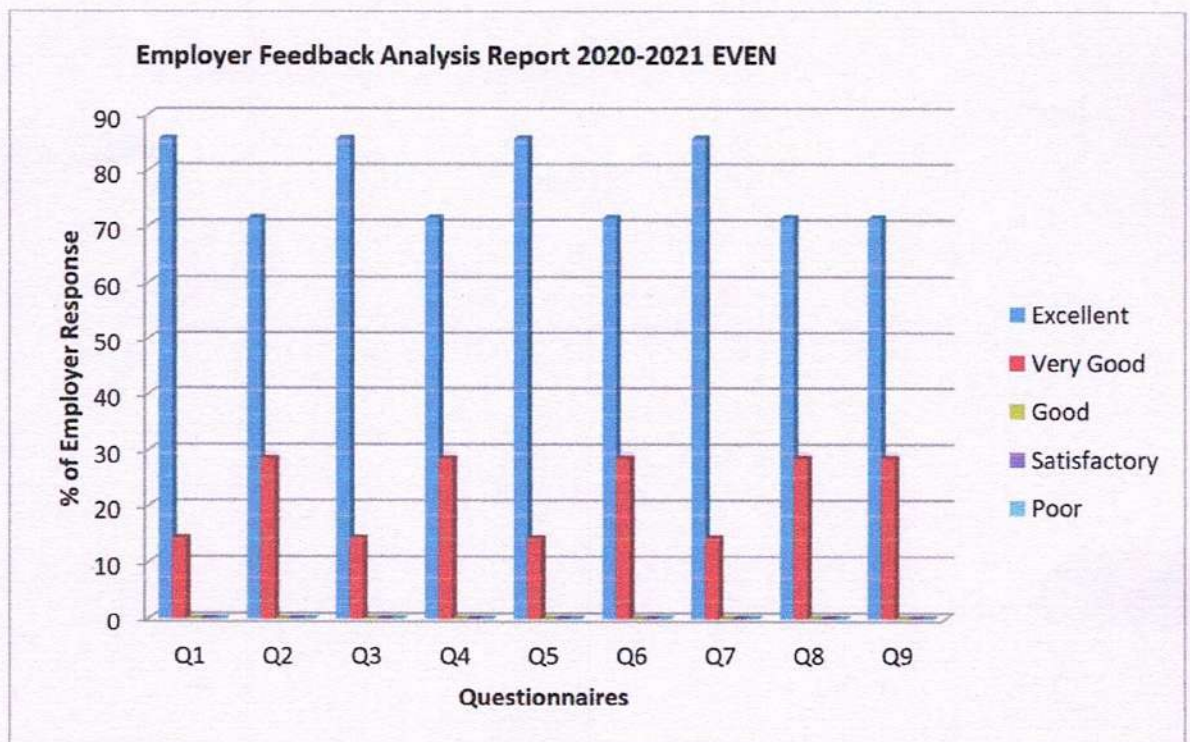
Feedback analysis response is taken from 130 alumni and the bar chart is drawn by percentage of alumni against various questions. They suggest including subjects related to the Stirling cycle in thermodynamics and a subject about the company safety system. In the curriculum, students can get employment in the core and software fields. Also 105 out of 130 gave their feedback as excellent for overall curriculum design in the current mechanical field.

4. Employer Feedback Analysis

Total number of responses = 7

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?	6	1	0	0	0
Q2	How do rate the curriculum ensures required skill sets appropriate to the industry?	5	2	0	0	0
Q3	How do rate our curriculum design focus on employability?	6	1	0	0	0
Q4	How do rate the interpersonal skill of the student?	5	2	0	0	0

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q5	How do rate, our student can effectively apply modern engineering technology and tools in their profession?	6	1	0	0	0
Q6	How do rate our student, capable to communicate effectively?	5	2	0	0	0
Q7	How do rate the level of technical contribution of our student?	6	1	0	0	0
Q8	How do rate the students have the ability to learn continuously and upgrade their skills?	5	2	0	0	0
Q9	How do rate our student, professional, Ethical & socially responsible engineer?	5	2	0	0	0
Q10	How do rate our curriculum that contributes to the needs of the society?	5	2	0	0	0



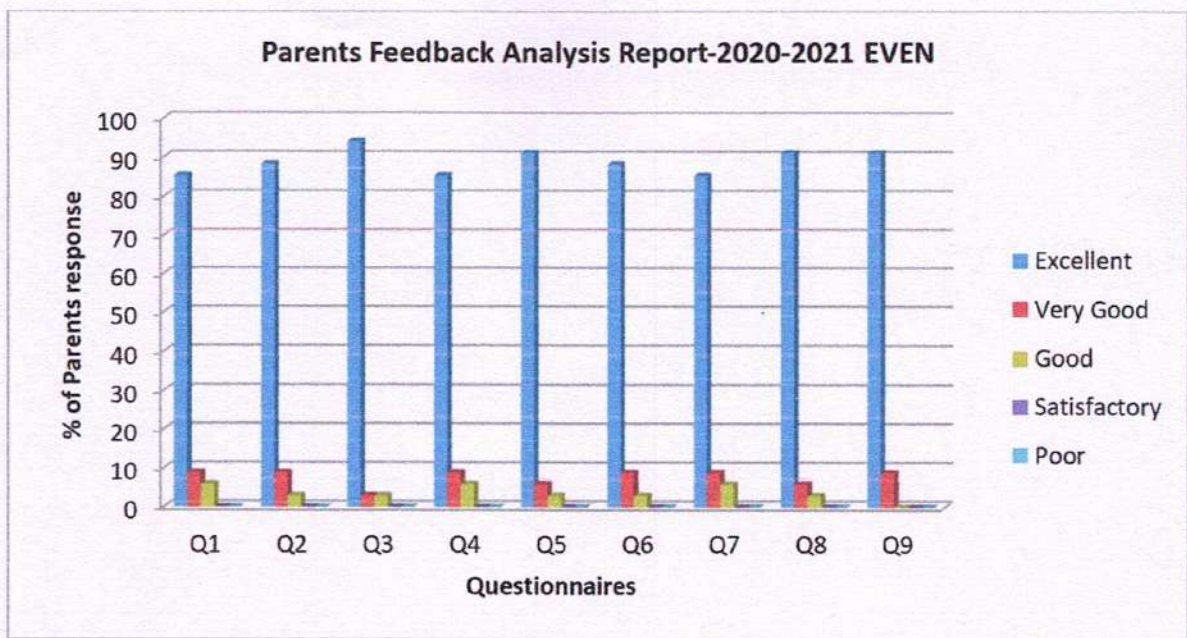
Employer Feedback Analysis Chart

The above employer feedback shows nearly 7 employer's responses. They recommended to suggested adding 'Engineering Materials and Metallurgy' and to include programming in the Kinematics of machines for getting industry-ready. Also, suggested to get trained properly by attending mock interviews to get the campus placement.

5. Parents Feedback Analysis

Total number of responses = 34

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	Is the curriculum covers major focus area of mechanical engineering?	29	3	2	0	0
Q2	Is the syllabus covered the entire topics related to Mechanical engineering?	30	3	1	0	0
Q3	Is the syllabus covered related to latest trends?	32	2	1	0	0
Q4	Is the syllabus covered can meet the industry requirement?	29	3	2	0	0
Q5	Are the topics in the syllabus sufficient for the solve real time problems?	31	2	1	0	0
Q6	Are the lab courses covers the industry standards?	30	3	1	0	0
Q7	Are the electives are sufficient for the improvement of knowledge for your ward?	29	3	2	0	0
Q8	Is your ward able to follow the syllabus contents?	31	2	1	0	0
Q9	Are the contents in the syllabus can make your ward lifelong learning	31	3	0	0	0



Parents Feedback Analysis Chart

The above chart shows the percentage of parents and feedback questionnaires. Which 30 out of 34 parent's response was excellent for the curriculum design. Also, they have given the following suggestions to improve the performance of students like educating the importance of industrial visits and In-plant training and For the well-being of students yoga can be introduced.

[Handwritten Signature]
 BOS Coordinator/ Mechanical

[Handwritten Signature] 16/11/2020
 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.