SONA COLLEGE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Stakeholders Feedback Analysis Report on Curriculum Design - 2018-19 (ODD Semester)

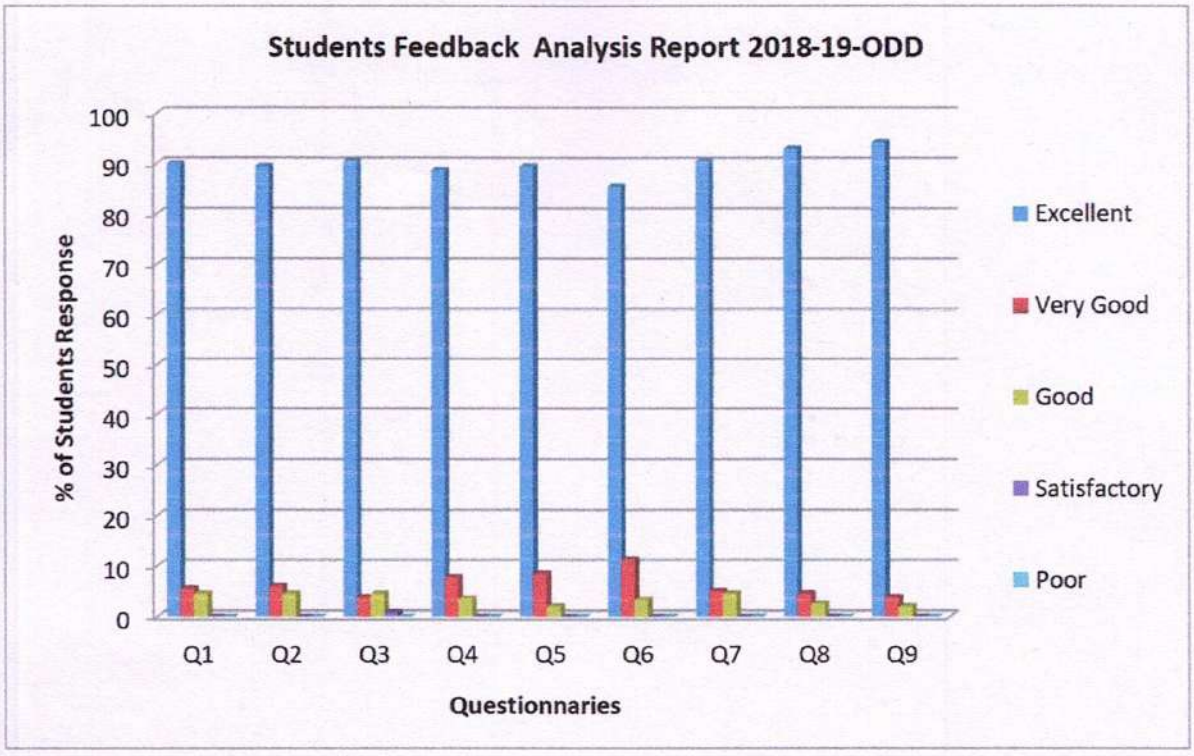
Date: 12.05.2018

1.Student's Feedback Analysis:

The department has obtained feedback on curriculum from students through questionnaire which contains the following major aspects such as courses offered, curriculum and syllabus, course outcomes, sufficient text books and reference books, curriculum for the enhancement, real world application and career advancement and lifelong learning. Totally 400 students gave their feedback on curriculum for the academic year 2018-2019.

Total number of responses = 400

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?	360	22	18	0	0
Q2	How do you rate the curriculum and syllabus prescribed for the program?	358	24	18	0	0
Q3	How do rate the courses the allotted lecture/tutorials/practical hours are sufficient?	362	15	18	5	0
Q4	How do rate the course outcomes are clear and understandable?	355	31	14	0	0
Q5	How do rate the courses have sufficient text books and reference books are relevant and available in the library?	358	34	8	0	0
Q6	How do rate the curriculum for the enhancement of technical skills, problem solving skills and modern tool usage?	342	45	13	0	0
Q7	How do rate the courses for real world application and supporting for Entrepreneurship?	362	20	18	0	0
Q8	How do rate the curriculum design that supports to apply engineering knowledge for the society?	372	18	10	0	0
Q9	How do rate the courses are useful in the career advancement and lifelong learning?	377	15	8	0	0



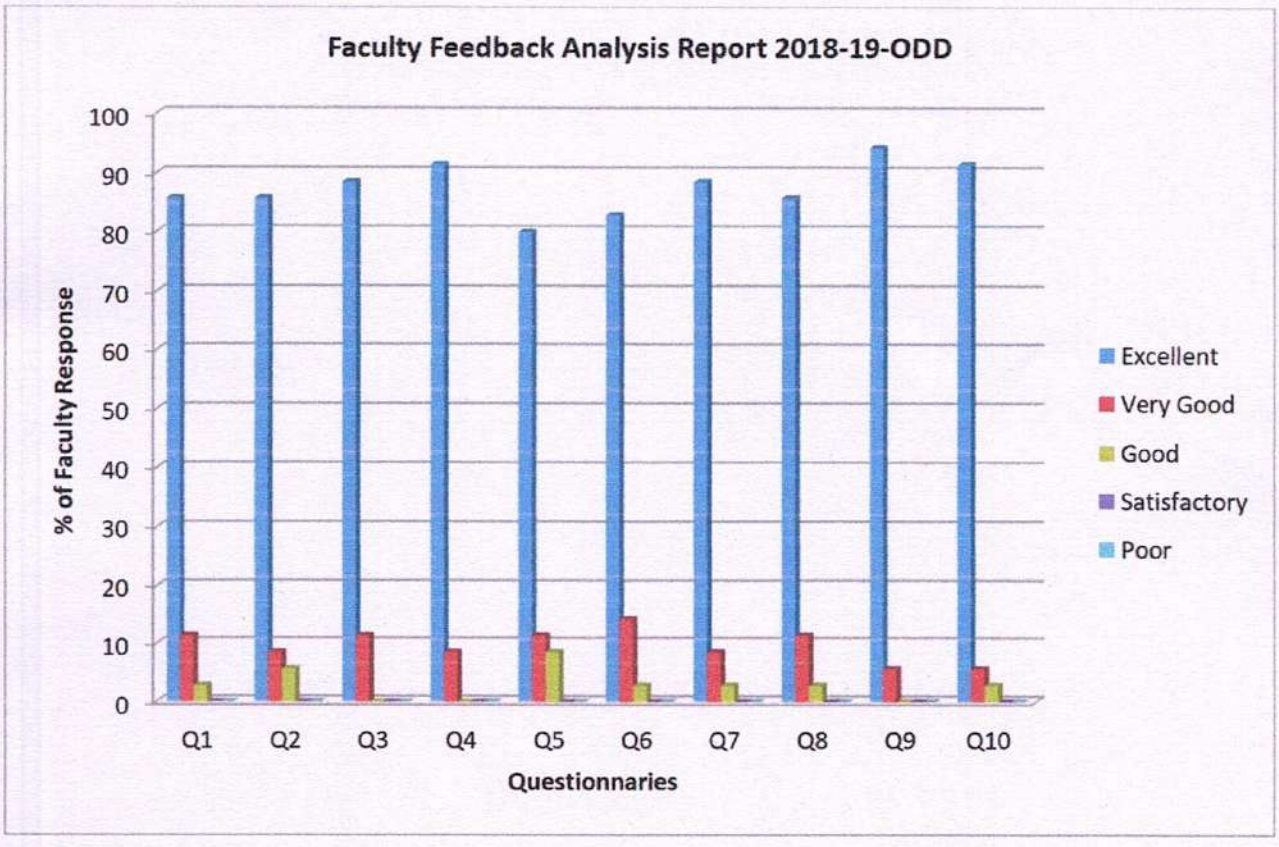
Student's Feedback Analysis Chart

The above student's feedback analysis chart shows that percentage of student's response for the feedback questionnaires given to them. In which 360 out of 400 responses indicated that the curriculum was excellent. In addition to that they have given the following feedback such as inclusion of more no of programming subjects, IOT and GATE Exam related topics in the syllabus. From the above feedback report overall curriculum strongly reflected mechanical engineering with advance technology courses.

2. Faculty Feedback Analysis:
Total number of responses = 35

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	How do you rate the relevance of these courses in relation to the program?	30	4	1	0	0
Q2	How do you rate the curriculum design and syllabus prescribed for the program?	30	3	2	0	0
Q3	How do rate this course the allotted lecture/ tutorials/ practical hours are sufficient?	31	4	0	0	0
Q4	How do rate this course have sufficient reading materials and resources available in the library?	32	3	0	0	0
Q5	How do rate this course the outcomes are appropriately defined and mapped?	28	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?	29	5	1	0	0
Q7	How do rate this course for understanding concepts and relating to real world application?	31	3	1	0	0
Q8	How do rate this course provision to adopt new techniques and tools in teaching?	30	4	1	0	0
Q9	How do rate this course useful in the career advancement and lifelong learning of students?	33	2	0	0	0
Q10	How do rate this course for the contribution to the needs of the society?	32	2	1	0	0

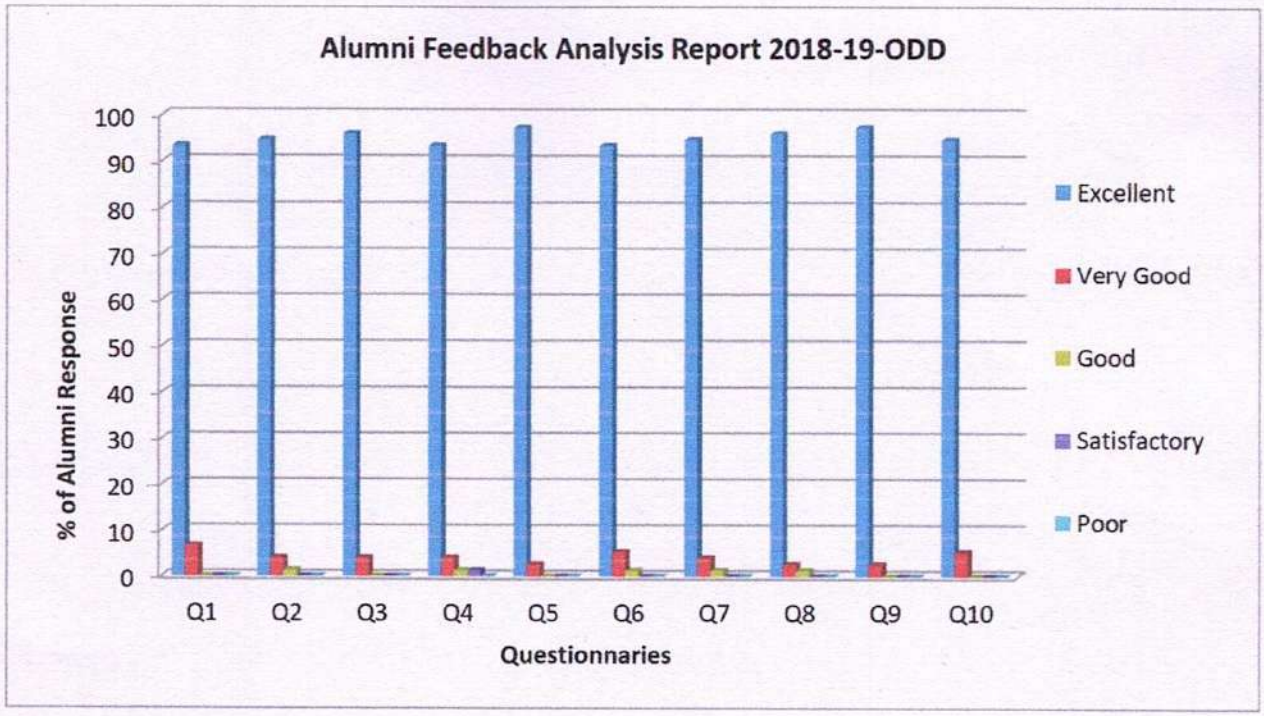


Faculty Feedback Analysis Chart

From the above feedback analysis taken from faculty of mechanical engineering shows overall curriculum is strong enough to face latest technology including software as well as core. And additionally Include Mechanical Electrical Plumping (MEP) course in the curriculum for getting placement opportunities in core area and also include subject of advanced sensors as an elective in the curriculum or as a subject topic.

3. Alumni Feedback Analysis
Total number of responses = 75

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?	70	5	0	0	0
Q2	How do you rate the curriculum design and the syllabus prescribed for the programs?	71	4	1	0	0
Q3	How do you rate the sequence of the courses included in the programs	72	3	0	0	0
Q4	How do you rate the competencies in the relation to the course content	70	4	1	0	0
Q5	How do you rate the sequence of the topics placed in the course syllabus	73	2	0	0	0
Q6	At what extend curriculum matched with current industry trends	70	4	1	0	0
Q7	How do you rate the offering of the electives in relation to the technological advancements	71	3	1	0	0
Q8	How do you rate the depth and load of course content including project work	72	2	1	0	0
Q9	How do you rate the course which are skills related matching to the industry included in the programs?	73	2	0	0	0
Q10	How best the curriculum and courses helps to you to improve your inter and intrapersonal skills.	71	4	0	0	0



Alumni Feedback Analysis Chart

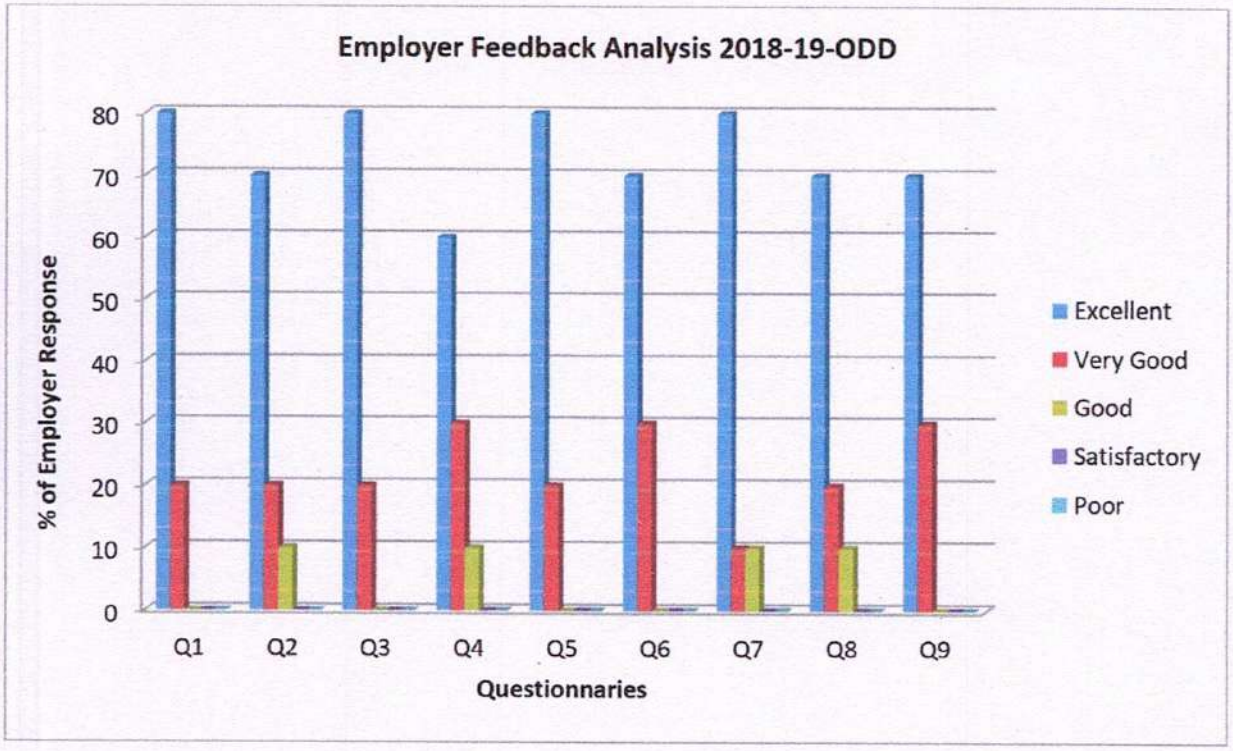
Feedback analysis response is taken from 75 alumni and the bar chat drawn by percentage of alumni response against various questions. They suggest introducing subjects related to programming and coding, Machine learning, industry 4.0 in the curriculum in order to students can get job in the IT field. In addition to that they suggest to conducting courses related to CAD and Analysis apart from regular curriculum. Also 70 out of 75 gave their feedback as excellent for overall curriculum design in the current mechanical field.

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?	8	2	0	0	0
Q2	How do rate the curriculum ensures required skill sets appropriate to the industry?	7	2	1	0	0
Q3	How do rate our curriculum design focus on employability?	8	2	0	0	0
Q4	How do rate the interpersonal skill of the student?	6	3	1	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?	8	2	0	0	0
Q6	How do rate our student, capable to communicate effectively?	7	3	0	0	0
Q7	How do rate the level of technical contribution of our student?	8	1	1	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?	7	3	0	0	0
Q10	How do rate our curriculum that contributes to the needs of the society?	7	3	0	0	0



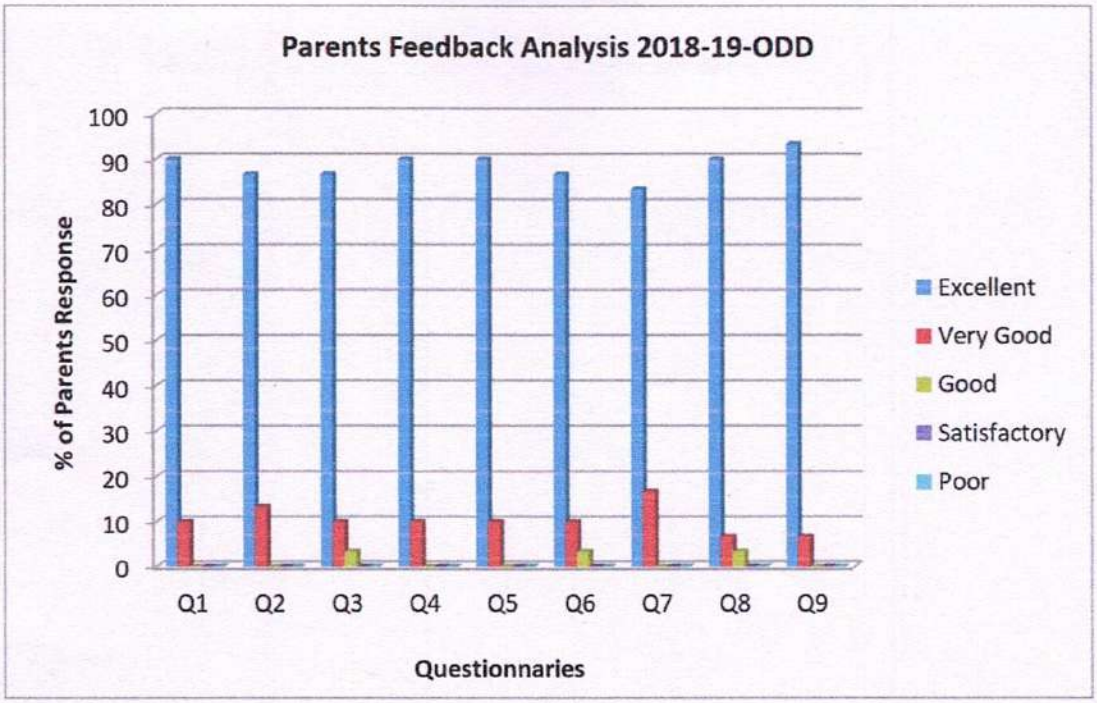
Employer Feedback Analysis Chart

The feedback has been analyzed from the above collected data and majority of the employers are satisfied with curriculum. They recommended to motivating students to attend In-plant training and Internship for getting industry ready. And also, suggested to get trained properly by attending placement interview to get the campus placement and basic updates in technology that can be shared time to time.

5. Parents Feedback Analysis

Total number of responses = 30

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	Is the curriculum covers major focus area of mechanical engineering?	27	3	0	0	0
Q2	Is the syllabus covered the entire topics related to Mechanical engineering?	26	4	0	0	0
Q3	Is the syllabus covered related to latest trends?	26	3	1	0	0
Q4	Is the syllabus covered can meet the industry requirement?	27	3	0	0	0
Q5	Are the topics in the syllabus sufficient for the solve real time problems?	27	3	0	0	0
Q6	Are the lab courses covers the industry standards?	26	3	1	0	0
Q7	Are the electives are sufficient for the improvement of knowledge for your ward?	25	5	0	0	0
Q8	Is your ward able to follow the syllabus contents?	27	2	1	0	0
Q9	Are the contents in the syllabus can make your ward lifelong learning	28	2	0	0	0



Parents Feedback Analysis Chart

The above chart shows percentage of parent's response to the feedback questionnaires. In which 25 out of 30 parent's response was excellent for the curriculum design. And also they have given the following suggestions to improve such us need training in real time problem solving, communication skills, designing of electric vehicle and exposure to the practical field of automation is needed.

12/5/18

BOS Coordinator/ Mechanical

12/05/2018

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 - 2018-19 (EVEN Semester)

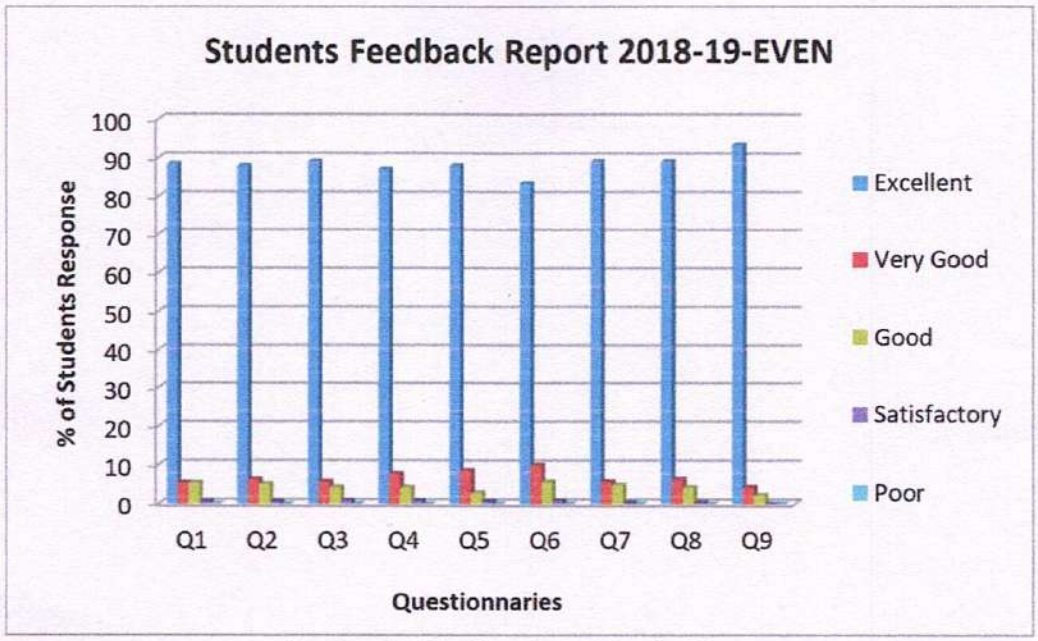
Date: 09.11.2018

1. Student's Feedback Analysis:

The department has obtained feedback on curriculum from students through questionnaire which contains the following major aspects such as courses offered, curriculum and syllabus, course outcomes, sufficient text books and reference books, curriculum for the enhancement, real world application and career advancement and lifelong learning. Totally 350 students gave their feedback on curriculum for the academic year 2018-2019.

Total number of responses = 350

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?	310	19	19	2	0
Q2	How do you rate the curriculum and syllabus prescribed for the program?	308	22	18	2	0
Q3	How do rate the courses the allotted lecture/tutorials/practical hours are sufficient?	312	20	15	3	0
Q4	How do rate the course outcomes are clear and understandable?	305	27	15	3	0
Q5	How do rate the courses have sufficient text books and reference books are relevant and available in the library?	308	30	10	2	0
Q6	How do rate the curriculum for the enhancement of technical skills, problem solving skills and modern tool usage?	292	35	20	3	0
Q7	How do rate the courses for real world application and supporting for Entrepreneurship?	312	20	17	1	0
Q8	How do rate the curriculum design that supports to apply engineering knowledge for the society?	312	22	15	1	0
Q9	How do rate the courses are useful in the career advancement and lifelong learning?	327	15	8	0	0



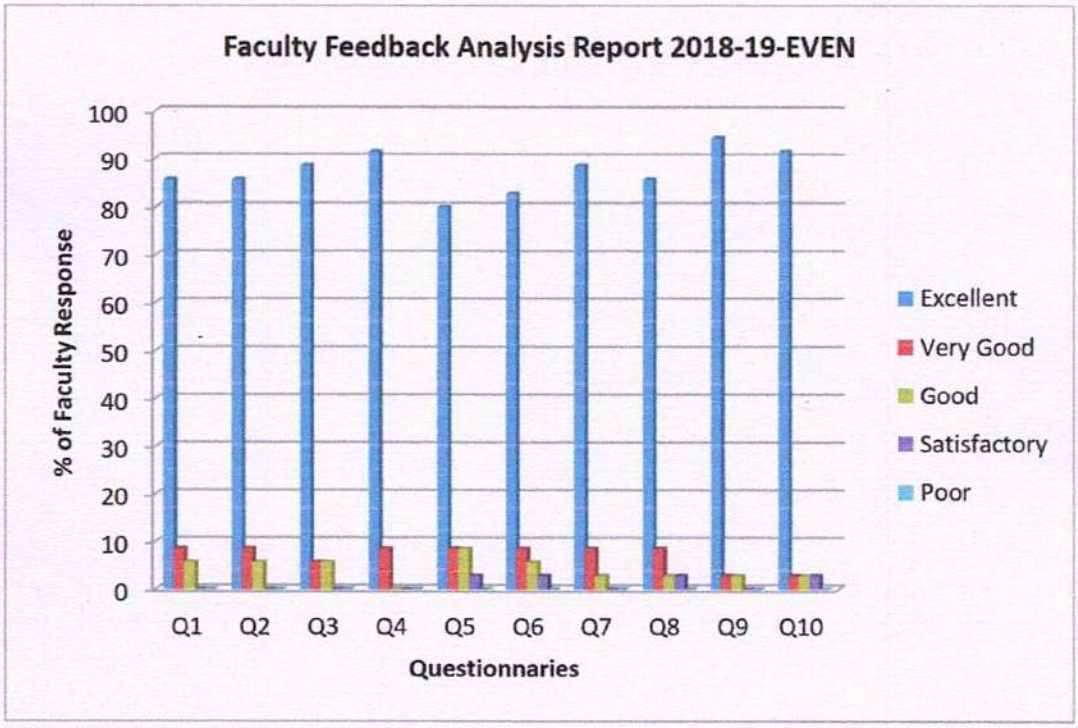
Student's Feedback Analysis Chart

The above student's feedback analysis chart shows that percentage of student's response for the feedback questionnaires. In which 310 out of 350 responses indicated that the curriculum was excellent. In addition to that they have given the following feedback such as special training is required for NPTEL courses that are studying the students and need few GATE coaching classes in the regular class hours. From the above feedback report overall curriculum strongly reflected mechanical engineering with advance technology courses.

2. Faculty Feedback Analysis:
Total number of responses = 35

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	How do you rate the relevance of these courses in relation to the program?	30	3	2	0	0
Q2	How do you rate the curriculum design and syllabus prescribed for the program?	30	3	2	0	0
Q3	How do rate this course the allotted lecture/ tutorials/ practical hours are sufficient?	31	2	2	0	0
Q4	How do rate this course have sufficient reading materials and resources available in the library?	32	3	0	0	0
Q5	How do rate this course the outcomes are appropriately defined and mapped?	28	3	3	1	0

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q6	How do rate this course for dealing modern development / technological advancement?	29	3	2	1	0
Q7	How do rate this course for understanding concepts and relating to real world application?	31	3	1	0	0
Q8	How do rate this course provision to adopt new techniques and tools in teaching?	30	3	1	1	0
Q9	How do rate this course useful in the career advancement and lifelong learning of students?	33	1	1	0	0
Q10	How do rate this course for the contribution to the needs of the society?	32	1	1	1	0



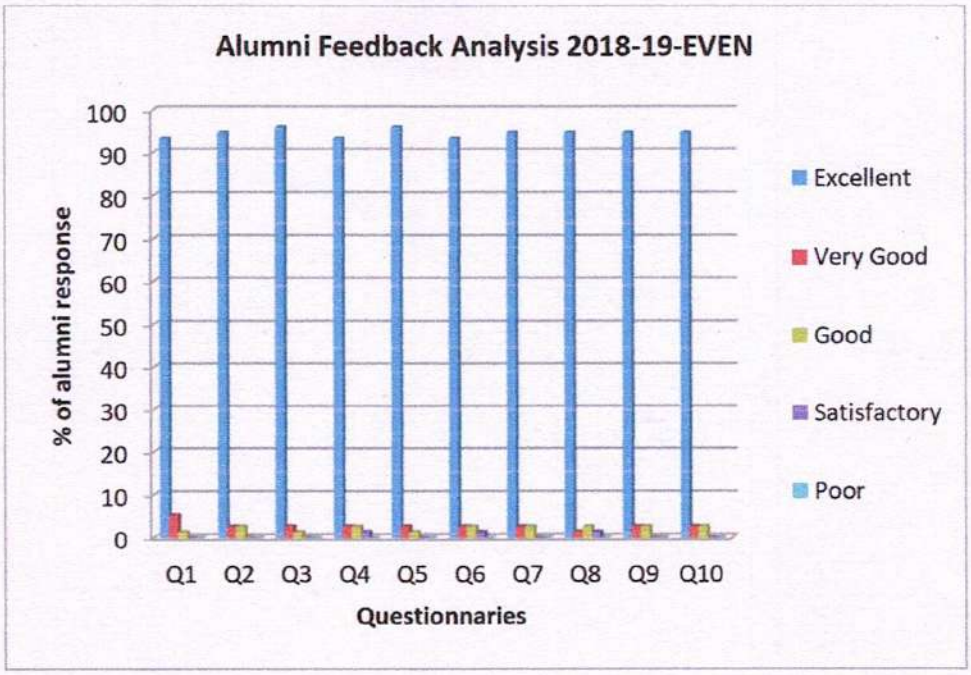
Faculty Feedback Analysis Chart

From the above feedback analysis taken from faculty of mechanical engineering shows overall curriculum is strong enough to face latest technology including software as well as core. And additionally Include Adding NPTEL courses in the curriculum, Arrange industrial visit is required. Those suggestions are analyzed and it will be implemented.

3. Alumni Feedback Analysis

Total number of responses = 75

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?	70	4	1	0	0
Q2	How do you rate the curriculum design and the syllabus prescribed for the programs?	71	2	2	0	0
Q3	How do you rate the sequence of the courses included in the programs	72	2	1	0	0
Q4	How do you rate the competencies in the relation to the course content	70	2	2	1	0
Q5	How do you rate the sequence of the topics placed in the course syllabus	72	2	1	0	0
Q6	At what extend curriculum matched with current industry trends	70	2	2	1	0
Q7	How do you rate the offering of the electives in relation to the technological advancements	71	2	2	0	0
Q8	How do you rate the depth and load of course content including project work	71	1	2	1	0
Q9	How do you rate the course which are skills related matching to the industry included in the programs?	71	2	2	0	0
Q10	How best the curriculum and courses helps to you to improve your inter and intrapersonal skills.	71	2	2	0	0



Alumni Feedback Analysis Chart

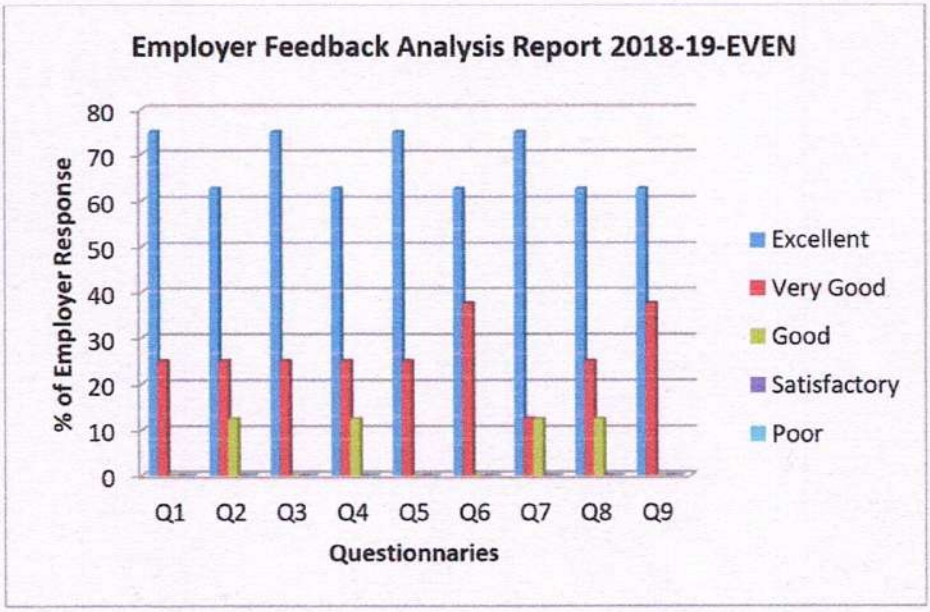
Feedback analysis response is taken from 75 alumni and the bar chat drawn by percentage of alumni response against various questionnaires. They suggest introducing computer aided design and analysis subject in the curriculum and also add automation and smart industry related subject in curriculum. Also 70 out of 75 gave their feedback as excellent for overall curriculum design in the current mechanical field. Those suggestions are analyzed and the mentioned suggestions will be implemented.

4. Employer Feedback Analysis

Total number of responses = 8

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

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q4	How do rate the interpersonal skill of the student?	5	2	1	0	0
Q5	How do rate, our student can effectively apply modern engineering technology and tools in their profession?	6	2	0	0	0
Q6	How do rate our student, capable to communicate effectively?	5	3	0	0	0
Q7	How do rate the level of technical contribution of our student?	6	1	1	0	0
Q8	How do rate the students have the ability to learn continuously and upgrade their skills?	5	2	1	0	0
Q9	How do rate our student, professional, Ethical & socially responsible engineer?	5	3	0	0	0
Q10	How do rate our curriculum that contributes to the needs of the society?	5	3	0	0	0



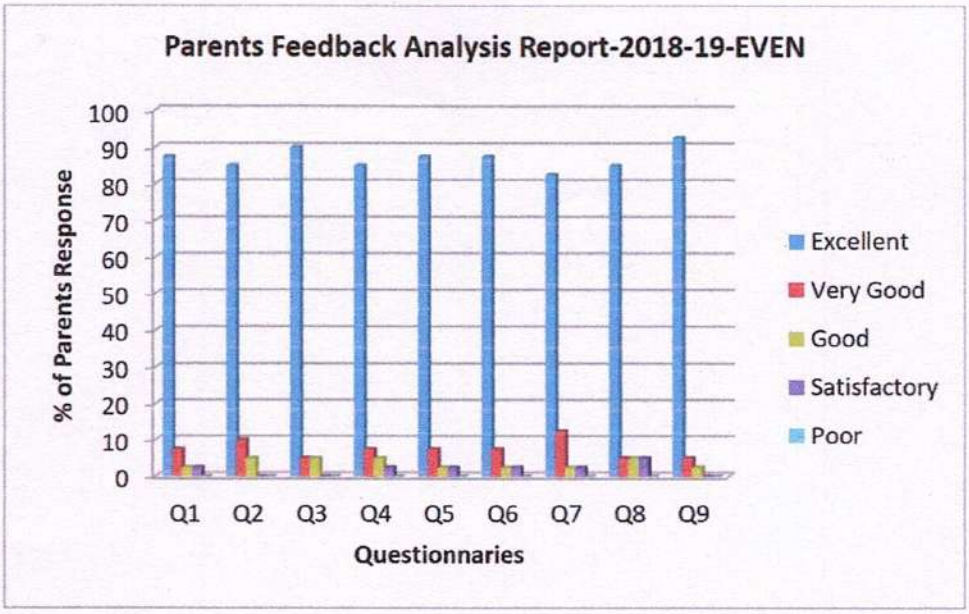
Employer Feedback Analysis Chart

The feedback has been analyzed from the above collected data and drawn the bar chat from that the majority of the employers satisfied with this curriculum. They recommended to training the students towards the latest industry scenario and arranging technical training for core companies. Those suggestions are analyzed and the mentioned suggestions will be implemented.

5. Parents Feedback Analysis

Total number of responses = 40

Question No.	STATEMENT	Excellent	Very Good	Good	Satisfactory	Poor
Q1	Is the curriculum covers major focus area of mechanical engineering?	35	3	1	1	0
Q2	Is the syllabus covered the entire topics related to Mechanical engineering?	34	4	2	0	0
Q3	Is the syllabus covered related to latest trends?	36	2	2	0	0
Q4	Is the syllabus covered can meet the industry requirement?	34	3	2	1	0
Q5	Are the topics in the syllabus sufficient for the solve real time problems?	35	3	1	1	0
Q6	Are the lab courses covers the industry standards?	35	3	1	1	0
Q7	Are the electives are sufficient for the improvement of knowledge for your ward?	33	5	1	1	0
Q8	Is your ward able to follow the syllabus contents?	34	2	2	2	0
Q9	Are the contents in the syllabus can make your ward lifelong learning	37	2	1	0	0



Parents Feedback Analysis Chart

The above chat shows percentage of parent's response to the feedback questionnaires. In which 35 out of 40 parent's response was excellent for the curriculum design. And also they have given the following suggestions to improve such as adding Japanese language for students and Need more placement related courses. Those suggestions are analyzed and the mentioned suggestions will be implemented.

9/11/2018

BOS Coordinator/Mechanical

09/11/2018

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.