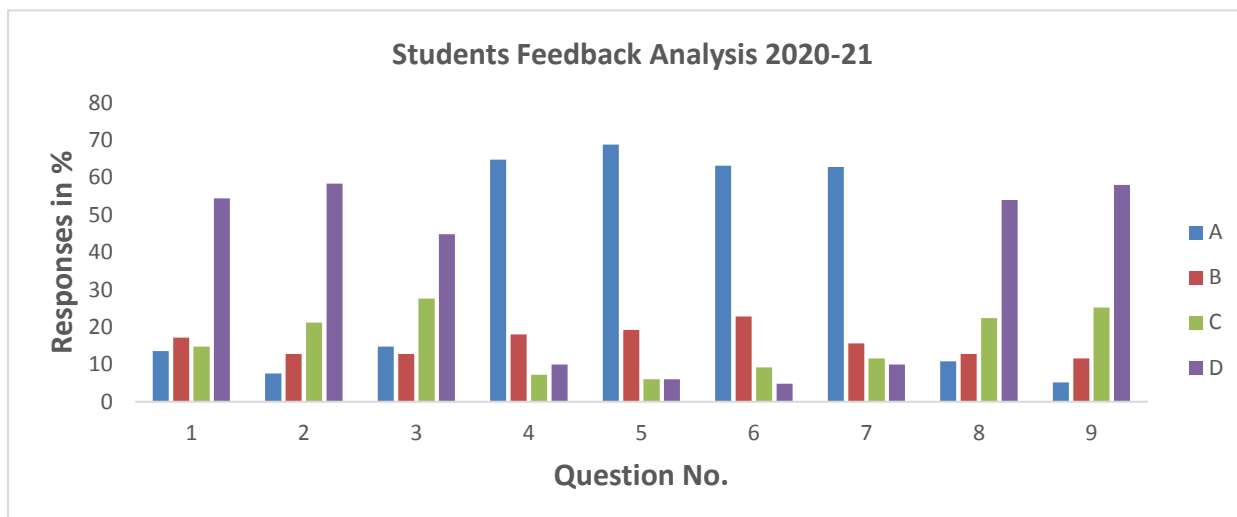




**School of Mechanical & Construction
Department of Mechanical Engineering**

Stakeholders' Feedback on Curriculum

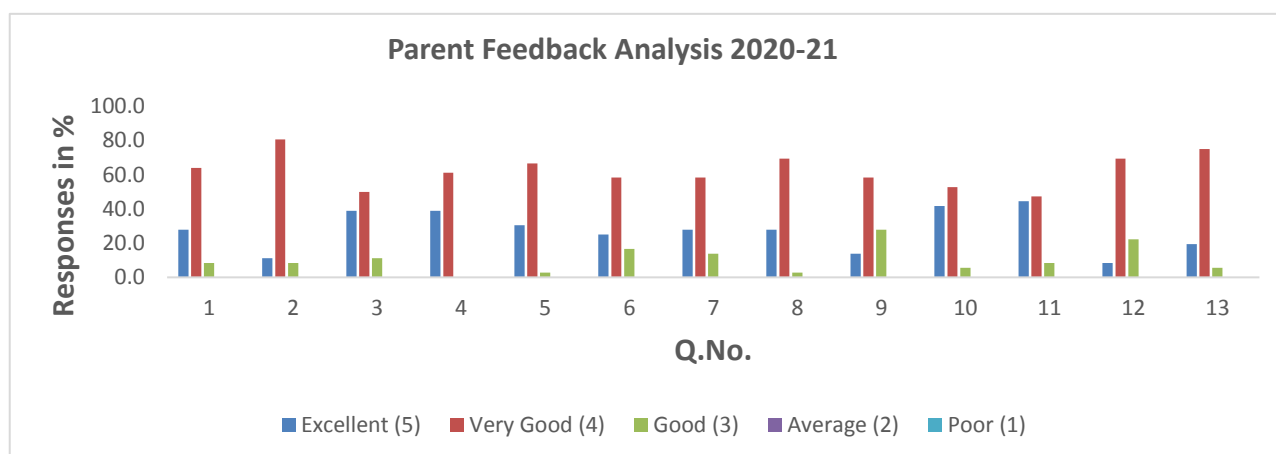
Students Feedback Analysis – 2020-21



Based on the Students' feedback on curriculum design, the following are the observations:

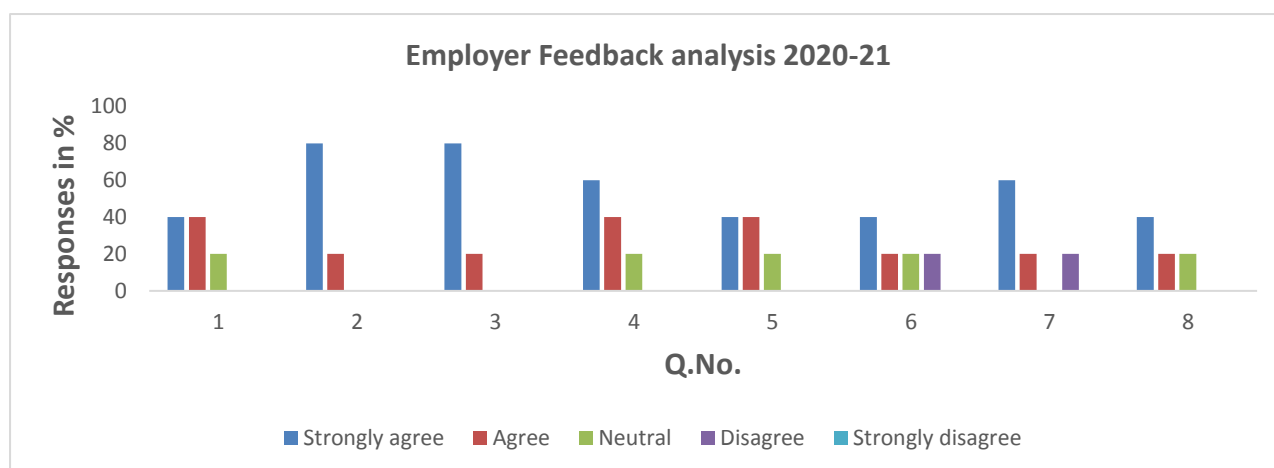
1. 70% of the student are either fully satisfied or satisfied with the existing curriculum offered by the Department of Mechanical Engineering.
2. 80% of student's perception of the depth of the syllabus of the courses in relation to the competencies expected by industry/current global scenarios is adequate.
3. 72.4 % of students gave preference to studying Practical dominated integrated courses, and 11.7 % of students were willing to study lab courses.
4. Nearly 82% of students agreed that extra learning/self-learning courses offered by the department are sufficient.
5. On an average of 88% of students rated that the evaluation scheme designed for each of the courses is excellent.
6. More than 86% of students rated that the electives offered by the department is relevant to the specialization.
7. Nearly 78% of students rated that elective courses offered in relation to the specialization are either excellent or good.
8. Around 76% of students are either very happy or happy with the Total number of credits to be earned
9. Overall 83% of students either strongly agreed or agreed that CBCS regulation and curriculum are helping to learn courses at their own interest.

Parents Feedback analysis 2020-21



On average 80% of parents are strongly rated, and 20% are rated good & average with the current syllabus offered by the Department of Mechanical Engineering.

Employer Feedback Analysis 2020-21



1. A majority of 80% of employers were either strongly agreed or agreed with the ability of our students to find solutions to real-life problems and 20% commented neutrally with the above-mentioned statement.
2. Curriculum is designed to have a theoretical and practical amalgamation of the courses. More than 80% of our employers are highly satisfied with the Practical and theoretical knowledge of our students whereas nearly 20% of them feel neutral with the same.
3. Various skills like analytical, technical, and communication skills were imported to students through courses. The majority of the employers 60% are strongly agreed that the Professional enhancement/Communication skills capabilities of our students are adequate. However, 30% of them are neutral with the above statement.

Faculty Feedback Analysis on course handled 2020-21

1. More than 90% of faculty members were satisfied with recent curriculum advancements.
2. Around 85% of faculty members were highly satisfied with the breadth and depth of course content of the syllabus.
3. Nearly 75% of faculty members agreed that the availability of Text & Reference books is adequate.
4. Majority of 70% of faculty members were highly satisfied with the effectiveness of the course with respect to students' knowledge.

Alumni Feedback Analysis on CBCS curriculum 2020-21

1. More than 90% of Alumni are satisfied with the curriculum offered by the Department of Mechanical engineering.

Students Feedback Analysis – 2020-21

Sl. No.	Criteria	Responses in %			
		A	B	C	D
1.	How do you rate the quality of the existing curriculum?	13.6	17.2	14.8	54.4
2.	Whether the curriculum focuses on program learning outcomes and technical skills required by industry?	7.6	12.8	21.2	58.4
3.	Which type of course do you prefer?	14.8	12.8	27.6	44.8
4.	Rate the curriculum in terms of extra learning or self-learning considering the design of the courses	64.8	18	7.2	10
5.	How do you rate the evaluation scheme designed for each of the course?	68.8	19.2	6	6
6.	How do you rate the offering of the electives in terms of their relevance to the specialization?	63.2	22.8	9.2	4.8
7.	How do you rate the relevance of the programme curriculum relevant to your placement or higher studies?	62.8	15.6	11.6	10
8.	Are you happy with the Total number of credit requirements of curriculum?	10.8	12.8	22.4	54
9.	Do you agree that CBCS regulation and curriculum help to learn courses of your interest at your own place?	5.2	11.6	25.2	58

Parents Feedback analysis 2020-21

Sl.No.	Particular	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Poor (1)
1.	How do you rate the program that your ward undergoing in terms of the load of the courses in different semesters?	27.8	63.9	8.3	0	0
2.	How do you rate the availability of the text and reference books in the market?	11.1	80.6	8.3	0	0
3.	How do you rate the quality and relevance of the courses included into the curriculum?	38.9	50.0	11.1	0	0
4.	How do you rate the treatment of the students by the faculty irrespective of the background of the student (Gender, cast, community, creed etc.) in teaching and evaluation?	38.9	61.1	0	0	0
5.	How do you rate the ambience of the college for effective delivery of the academic process?	30.6	66.7	2.8	0	0
6.	How do rate the courses in terms of their relevance to the latest and/or future technologies?	25.0	58.3	16.7	0	0
7.	How do you rate the programs based on the comfort of your ward in coping with the workload?	27.8	58.3	13.9	0	0

8.	How do you rate the quality of the teaching in the Institution?	27.8	69.4	2.8	0	0
9.	How do you rate the outcomes that your ward has achieved from the courses?	13.9	58.3	27.8	0	0
10.	How do you rate the transparency of the evaluation system in the College?	41.7	52.8	5.6	0	0
11.	How do you rate the college activities that help your ward in getting jobs and placements?	44.4	47.2	8.3	0	0
12.	How do you rate the transformation of your ward after the completion of the course?	8.3	69.4	22.2	0	0
13.	How do you rate the scholarship/ concessions given to your ward by the college	19.4	75.0	5.6	0	0

Employer Feedback Analysis 2020-21

S.No.	Particular	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Poor (1)
1.	How do you rate the program that your ward undergoing in terms of the load of the courses in different semesters?	27.8	63.9	8.3	0	0
2.	How do you rate the availability of the text and reference books in the market?	11.1	80.6	8.3	0	0
3.	How do you rate the quality and relevance of the courses included into the curriculum?	38.9	50.0	11.1	0	0
4.	How do you rate the treatment of the students by the faculty irrespective of the background of the student (Gender, cast, community, creed etc.) in teaching and evaluation?	38.9	61.1	0.0	0	0
5.	How do you rate the ambience of the college for effective delivery of the academic process?	30.6	66.7	2.8	0	0
6.	How do rate the courses in terms of their relevance to the latest and/or future technologies?	25.0	58.3	16.7	0	0
7.	How do you rate the programs based on the comfort of your ward in coping with the workload?	27.8	58.3	13.9	0	0
8.	How do you rate the quality of the teaching in the Institution?	27.8	69.4	2.8	0	0
9.	How do you rate the outcomes that your ward has achieved from the courses?	13.9	58.3	27.8	0	0
10.	How do you rate the transparency of the evaluation system in the College?	41.7	52.8	5.6	0	0
11.	How do you rate the college activities that help your ward in getting jobs and placements?	44.4	47.2	8.3	0	0

12.	How do you rate the transformation of your ward after the completion of the course?	8.3	69.4	22.2	0	0
13.	How do you rate the scholarship/ concessions given to your ward by the college	19.4	75.0	5.6	0	0

Action taken

- ✓ Three, new program elective courses namely Automotive Testing and Certification, Structural Vehicle Dynamics & Vehicle Body Engineering were introduced for Automobile specialization during AY 2019-20.
- ✓ Microprocessor and Microcontroller Embedded, System & Device Drivers, and Sensors and actuators program elective courses were introduced for Mechatronics specialization during AY 2019-20.
- ✓ NPTEL course on Environmental studies was considered in the approved list of NPTEL courses.
- ✓ Project competition was conducted to improve design and Analysis skills
- ✓ Placement enhancement skills were imported through Soft skills and Aptitude skills training
- ✓ New program elective courses namely, Wire Electrical Discharge Machining Process and Experimental Design, Optimization and Validation courses will be offered during the forthcoming semesters.
- ✓ As per Computer Aided Design and Drafting lab course handling faculty / in-charge feedback, the credit may reduce from 2 to 1.



Prof. Dr. N. Lenin
Head of the Department
Mechanical Engineering
Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University) Estd. July 8 of UGC Act, 1956

School of Mechanical and Construction
Department of Mechanical Engineering
Students Feedback - Curriculum Design

Academic Year : 2020 - 2021

P. Vamsi
JRU 13270

1. How do you rate the quality of the existing curriculum?
a) Not Satisfied b) Partly Satisfied ☒ c) Satisfied d) Fully Satisfied
2. Whether the curriculum focuses on program learning outcomes and technical skills required by industry?
a) Needs Major Revision ☒ b) Needs Moderate Revision c) Covers to Major Extent
d) Fully covers the current trends
3. Which type of course do you prefer?
a) Theory course b) lab course ☒ c) Theory dominated integrated course
d) Practical dominated integrated course
4. Rate the curriculum in terms of extra learning or self-learning considering the design of the courses
a) Excellent ☒ b) Good c) Average d) Poor
5. How do you rate the evaluation scheme designed for each of the course?
a) Excellent b) Good ☒ c) Average d) Poor
6. How do you rate the offering of the electives in terms of their relevance to the specialization?
a) Excellent b) Good ☒ c) Average d) Poor
7. How do you rate the relevance of the programme curriculum relevant to your placement or higher studies?
a) Excellent ☒ b) Good c) Average d) Poor
8. Are you happy with the Total number of credit requirements of curriculum?
a) Not Happy b) Happy to Some Extent ☒ c) Happy d) Very Happy
9. Do you agree that CBCS regulation and curriculum help to learn courses of your interest at your own pace.
a) Strongly Disagree b) Disagree ☒ c) Agree d) Strongly Agree
10. What changes would you recommend to improve curriculum?

Advanced Unconventional Machining Courses may be
introduced

FACULTY FEEDBACK ON COURSE HANDLED

Faculty Name : R.Ramesh kumar TTS Number: 2226
Department : Mechanical Academic Year: 2020-2021
Course Title & course Code : Computer Aided Design & Drafting & 1151ME203
Name of the Programme : B.Tech. (Lab dominant Course)
Semester : -

Give your valuable suggestions in the boxes below for further improvement, if your response is third option.

1. Are the syllabus contents of the course adequate to attain all the course outcomes?

Well adequate / Just adequate / Not adequate

Well adequate

2. Are all the prescribed text and reference books of the course available in our library?

Adequate titles& volumes/ adequate titles but less volumes/ inadequate titles & volumes

Adequate titles & volumes.

3. Adequateness of the total number of periods allotted to complete the delivery of the course contents

High / moderate / low

High.

4. Extent of pre-requisite knowledge of students with respect to learning of this course contents

Excellent / Good / poor

Excellent

5. Freedom in accessing appropriate teaching aids for delivering the course

Excellent / Good / poor

Excellent

6. Classroom ambiance for students' learning

Excellent / Good / poor

Excellent

7. Accessibility of e-learning resources for the students

High / moderate / low

Moderate

8. Have you attended any faculty development programme for this course?

More than two / one to two / Nil

One

9. Effectiveness of continuous assessments with respect to measurement of course outcomes

More effective / Less effective / Not effective

More effective.

10. Your suggestions/comments, if any.

Based on CADD Syllabus, Credit may change from two to one. (Lab dominant Course).


Signature of the Faculty
R. Ramesh Kumar.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

School of Mechanical and Construction

Department of Mechanical Engineering

Employer Feedback on Curriculum

S.No	Statements	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	The curriculum has been designed to make you industry ready by imparting analytical and reasoning, language and soft skills in addition to technical competencies, as desired by the industry.	✓				
2	The curriculum is outcome based and through various courses, the expected outcomes were attained.	✓				
3	The electives offered were relevant to the programme and in relation to the technological advancements.		✓			
4	Please comment on the adequacy of balance between theory and practice within the program.		✓			
5	Curriculum has application-based courses which caters the needs of industry in terms of knowledge, skills, attitude and innovation.		✓			
6	The curriculum was effective in enhancing team-working abilities.	✓				
7	Current syllabus offers based on needs and meets to the expectations of industry.		✓			
8	Curriculum bridges the gap between Industry & Academic.	✓				
9	If there are specialized equipment, textbooks, software or other resources which you feel are not listed but would strengthen the curriculum of this program, please identify those resources ... Nil ...					
10	Are any specific/new/advanced topics to be included to or removed from any of the course? If yes, please mention					
11	Any additional comments	- Nil -				

Name of Respondent

Designation/Position

Name of Industry/Institution

Contact number & Email ID

Visiifa Litta. A
Senior Manager [Design]

PRAKASAM DIE CASTING

7010737542

Prakasamdc@yahoo.com

Parent's Feedback Form

Admitted year : (AY 2017 - 2018)

Academic year : 2018-2019

Name of the Parent : K. Venkateshwarlu

Parent of : TARUNTEJA KUMAR

VTU No. : 9930

S.No.	Particular	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Poor (1)	If Average or poor the changes suggested
1.	How do you rate the program that your ward undergoing in terms of the load of the courses in different semesters?			✓			
2.	How do you rate the availability of the text and reference books in the market?			✓			
3.	How do you rate the quality and relevance of the courses included into the curriculum?		✓				
4.	How do you rate the treatment of the students by the faculty irrespective of the background of the student (Gender, cast, community, creed etc.) in teaching and evaluation?		✓				
5.	How do you rate the ambience of the college for effective delivery of the academic process?		✓				
6.	How do rate the courses in terms of their relevance to the latest and/or future technologies?			✓			
7.	How do you rate the programs based on the comfort of your ward in coping with the workload?	✓					
8.	How do you rate the quality of the teaching in the Institution?		✓				
9.	How do you rate the outcomes that your ward has achieved from the courses?		✓				
10.	How do you rate the transparency of the evaluation system in the College?			✓			
11.	How do you rate the college activities that help your ward in getting jobs and placements?	✓					
12.	How do you rate the transformation of your ward after the completion of the course?		✓				
13.	How do you rate the scholarship/ concessions given to your ward by the college	✓					

Any other Comments/Suggestions for improvement

I am happy with the university, all faculty members are polite and friendly

K. Venkateshwarlu
Signature