



JIS College of Engineering

Academic Year: 2015-2016

JIS College of Engineering is known to the world for education and research in engineering. The valuable feedbacks are collected from students, teachers, parents and alumni regarding the curriculum and syllabus in the institute. Feedback analysis for 2015-16 is given below.

Students Feedback:

The students are the most important stakeholders of Higher Education systems. The interest and participation of students at all levels in both internal quality assurance and external quality assurance have to play a central role. From the current academic year the college has started online feedback system. We have received total 254 student's online feedback on the curriculum, designed by all the departments of JIS College of Engineering, Kalyani, Nadia, WB.

We have considered 9 parameters namely- "Does the Curriculum enable the application of knowledge of mathematics, science, and technical subjects?", "Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)", "Does the Curriculum satisfy the current industry requirement?", "Are you satisfied with the depth of the course content?", "Is the Curriculum compatible with the latest technology?", "Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?", "How do you rate the overall content of the curriculum?", "How do you rate the applicability of the curriculum in real life?" and "What would be your rating on the projects according to the curriculum?". We rate the parameters as follows: Extremely Good (9), Very Good (8), Good (7), Moderately Good (6) and Moderate (5), Somehow Tolerable (4), Poor (3), Very Poor (2), Extremely Poor (1). Final rating is marked as "Excellent" if Average Scores is greater than 8. Final rating is marked as "Very good" if average scores is less than or equal to 8 but greater than 6. Final rating is marked as "good" if average scores is less than or equal to 6 but greater than 4 and so on. The results derived in terms of percentage of students with common views, average scores and rating have been presented in Table-1.

Table 1: Analysis of feedback from Students 2015-16

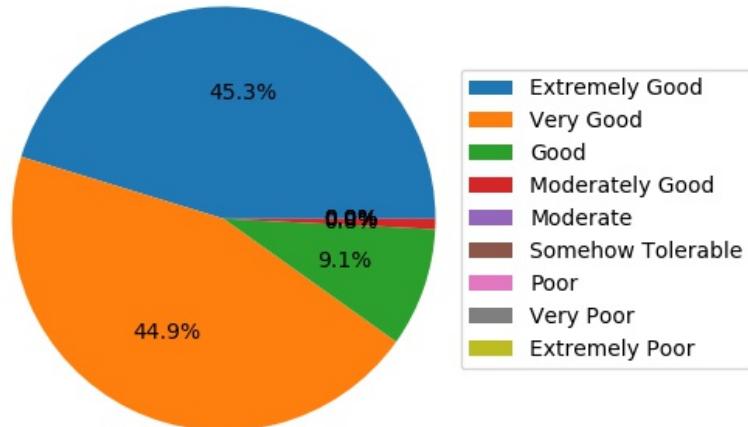
Q.No.	Curriculum Evaluation Points	Responses (in terms of percentage of students)										Rating
		Extremely Good	Very Good	Good	Moderately Good	Moderate	Somehow Tolerable	Poor	Very Poor	Extremely Poor	Average	
1	Does the Curriculum enable the application of knowledge of mathematics,	45.28	44.88	9.06	0.79	0	0	0	0	0	8.35	Excellent

	science, and technical subjects?										
2	Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)	49.21	40.16	6.3	4.33	0	0	0	0	8.34	Excellent
3	Does the Curriculum satisfy the current industry requirement?	52.76	41.73	3.54	1.97	0	0	0	0	8.45	Excellent
4	Are you satisfied with the depth of the course content?	51.18	42.52	1.57	4.72	0	0	0	0	8.4	Excellent
5	Is the Curriculum compatible with the latest technology?	51.97	44.49	2.36	1.18	0	0	0	0	8.47	Excellent
6	Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?	49.61	44.09	3.54	2.76	0	0	0	0	8.41	Excellent
7	How do you rate the overall content of the curriculum?	52.76	40.16	5.12	1.97	0	0	0	0	8.44	Excellent
8	How do you rate the applicability of the curriculum in real life?	47.64	49.61	2.36	0.39	0	0	0	0	8.45	Excellent
9	What would be your rating on the projects according to the curriculum?	44.88	45.67	5.51	3.94	0	0	0	0	8.31	Excellent

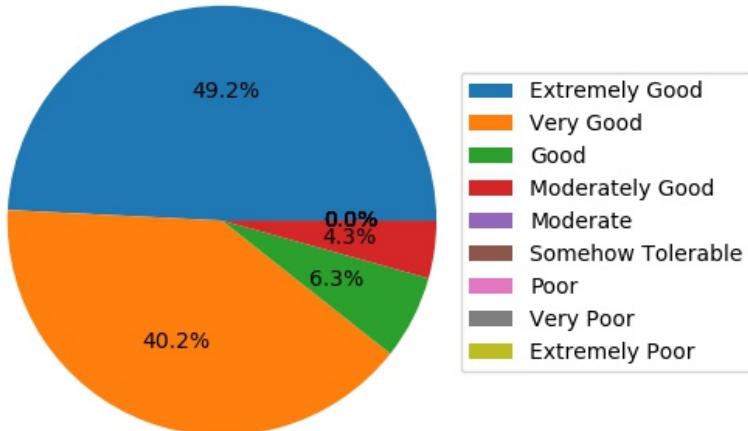
Note: **Average Scores > 8:** excellent; **8≥Average Score>6:** Very Good; **6≥Average Score>4:** Good

Feedback received from the students revealed that out of 9 chosen parameters, all have been rated as "Excellent". The students' feedback has been judiciously incorporated in the teaching-learning across all the disciplines. The highest score of 8.47 was given to the parameter "Is the Curriculum compatible with the latest technology?" followed by 'Does the Curriculum satisfy the current industry requirement?' and "How do you rate the applicability of the curriculum in real life?" parameters with average score of 8.45 for the both. The next highly rated parameters are "How do you rate the overall content of the curriculum?" and "Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?" with average scores of 8.44 and 8.41 respectively which are considered as "Excellent".

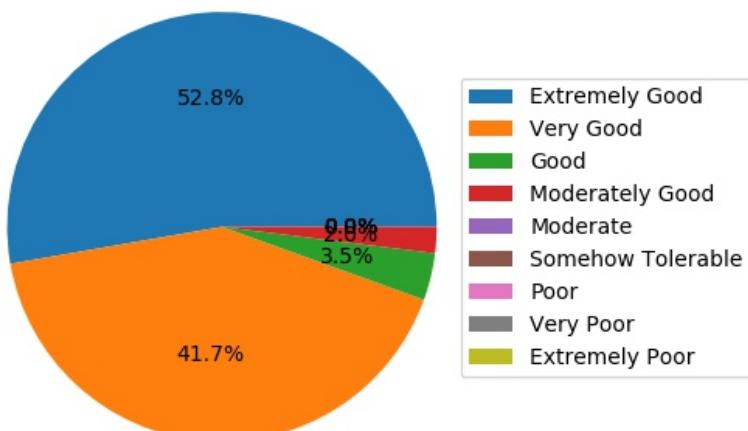
Does the Curriculum enable the application of knowledge of mathematics, science, and technical subjects?



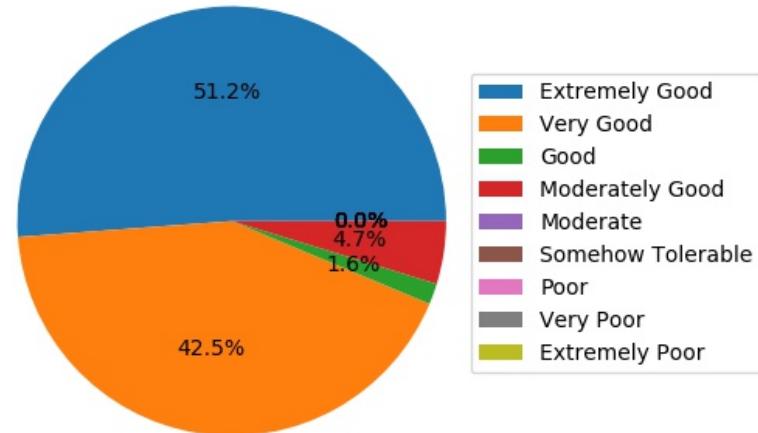
Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)



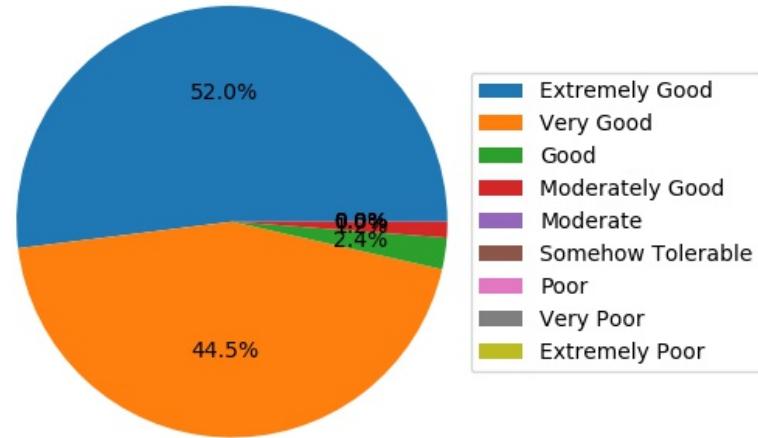
Does the Curriculum satisfy the current industry requirement?



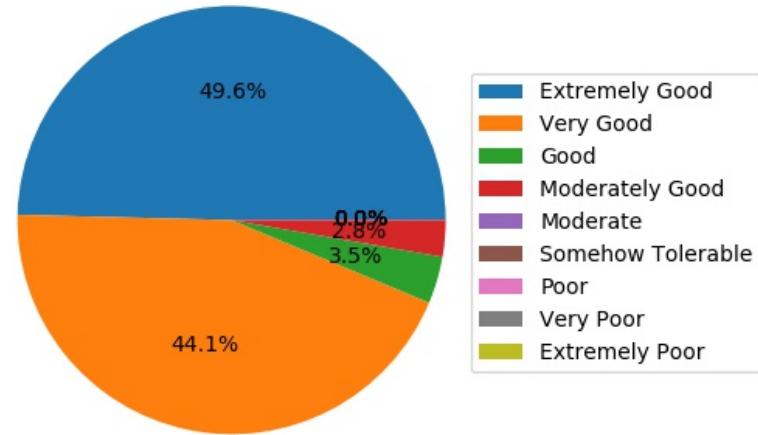
Are you satisfied with the depth of the course content?



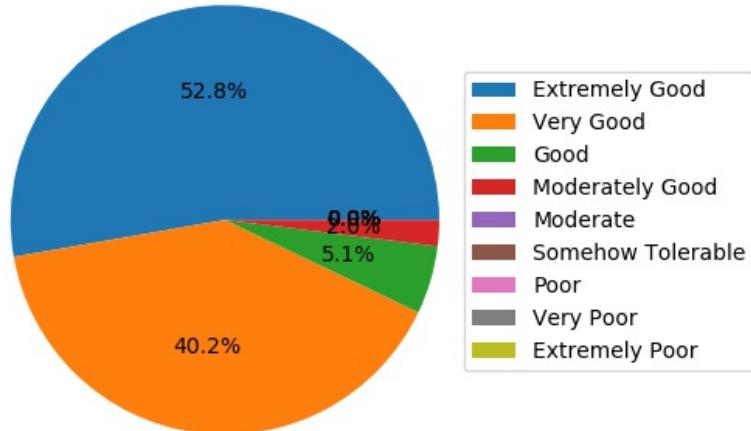
Is the Curriculum compatible with the latest technology?



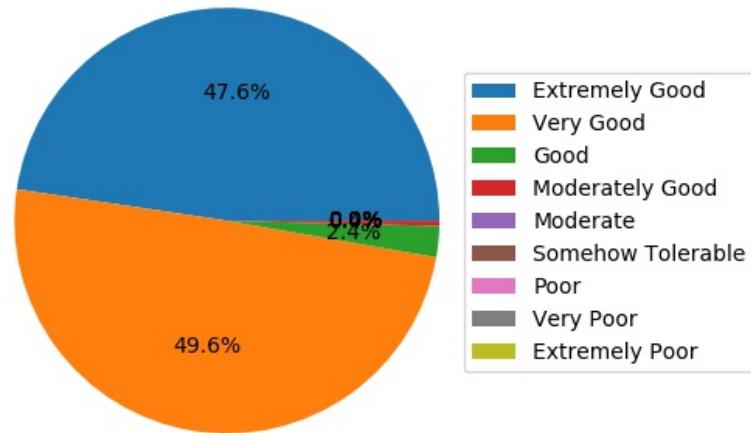
Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?



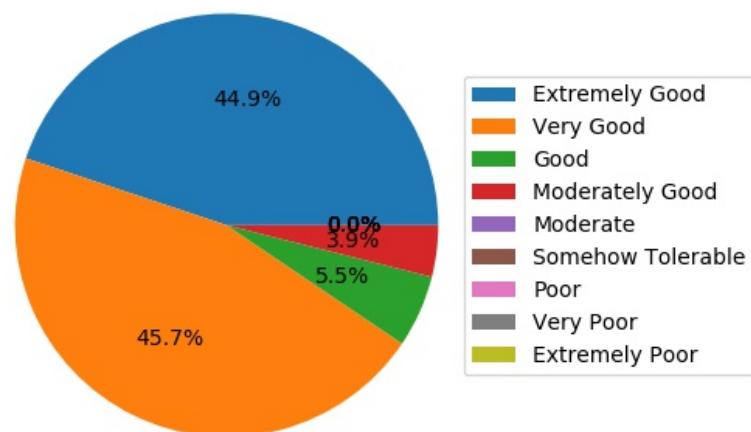
How do you rate the overall content of the curriculum?



How do you rate the applicability of the curriculum in real life?



What would be your rating on the projects according to the curriculum?



Parent Feedback:

The parents' feedback was obtained on 8 parameters namely- "Does the Curriculum enable the application of knowledge of mathematics, science, and technical subjects?", "Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)", "Does the Curriculum satisfy the current industry requirement?", "Is the Curriculum compatible with the latest technology?", "Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?", "How do you rate the applicability of the curriculum in real life?", "What would be your rating on the relevance/learning value of the projects according to the curriculum?" and "How do you rate the overall content of the curriculum?". We rate the parameters as follows: Extremely Good (9), Very Good (8), Good (7), Moderately Good (6) and Moderate (5), Somehow Tolerable (4), Poor (3), Very Poor (2), Extremely Poor (1). Final rating is marked as "Excellent" if Average Scores is greater than 8. Final rating is marked as "Very good" if average scores is less than or equal to 8 but greater than 6. Final rating is marked as "good" if average scores is less than or equal to 6 but greater than 4 and so on. We have received total 116 parent's feedback. The analysis of feedback is reported in Table 2.

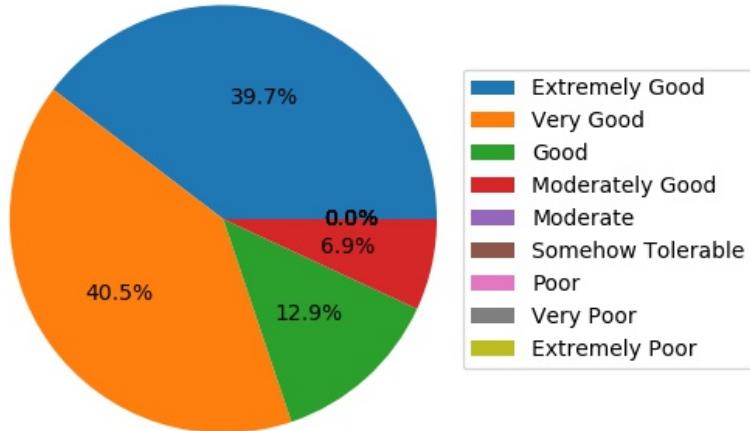
Table 2 : Analysis of feedback from Parents 2015-16

Q.No.	Curriculum Evaluation Points	Responses (in terms of percentage of parents)										Rating
		Extremely Good	Very Good	Good	Moderately Good	Moderate	Somehow Tolerable	Poor	Very Poor	Extremely Poor	Average Score	
1	Does the Curriculum enable the application of knowledge of mathematics, science, and technical subjects?	39.66	40.52	12.93	6.9	0	0	0	0	0	8.13	Excellent
2	Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)	41.38	37.07	13.79	7.76	0	0	0	0	0	8.12	Excellent
3	Does the Curriculum satisfy the current industry requirement?	50.86	42.24	4.31	2.59	0	0	0	0	0	8.41	Excellent
4	Is the Curriculum compatible with the latest technology?	50	47.41	2.59	0	0	0	0	0	0	8.47	Excellent
5	Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?	43.97	39.66	12.07	4.31	0	0	0	0	0	8.23	Excellent
6	How do you rate the applicability of the curriculum in real life?	42.24	43.1	9.48	5.17	0	0	0	0	0	8.22	Excellent
7	What would be your rating on the relevance/learning value of the projects according to the curriculum?	44.83	44.83	6.9	3.45	0	0	0	0	0	8.31	Excellent
8	How do you rate the overall content of the curriculum?	38.79	61.21	0	0	0	0	0	0	0	8.39	Excellent

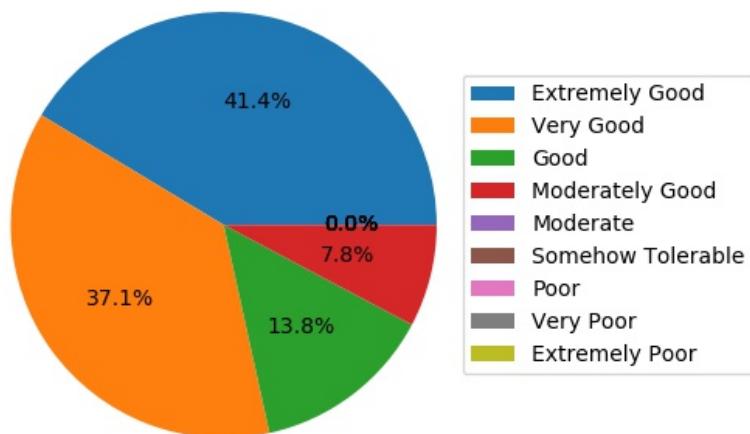
Note: **Average Scores > 8:** excellent; **8≥Average Score>6:** Very Good; **6≥Average Score>4:** Good

Table-2 shows that the highest average score (8.47) was provided to the parameter “Is the Curriculum compatible with the latest technology?” which indicates that the parents are satisfied with the curriculum. The parameter “Does the Curriculum satisfy the current industry requirement?” has next largest average score (8.41). All parameters show average score as “Excellent”.

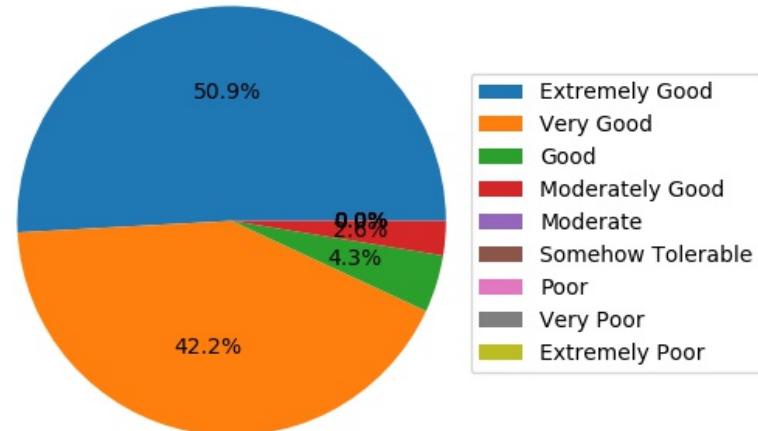
Does the Curriculum enable the application of knowledge of mathematics, science, and technical subjects?



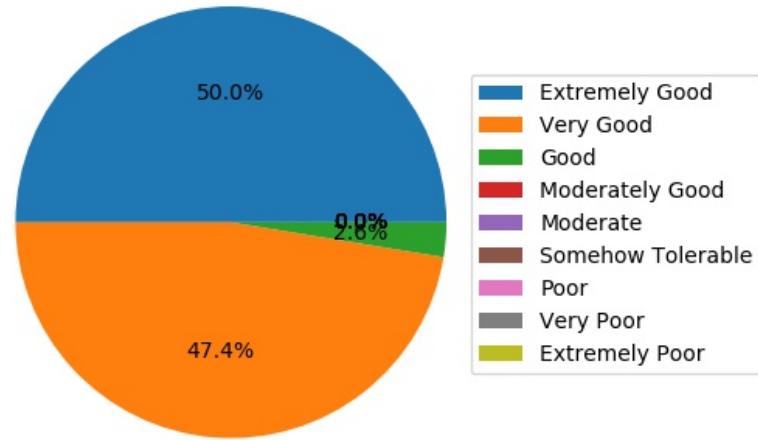
Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)



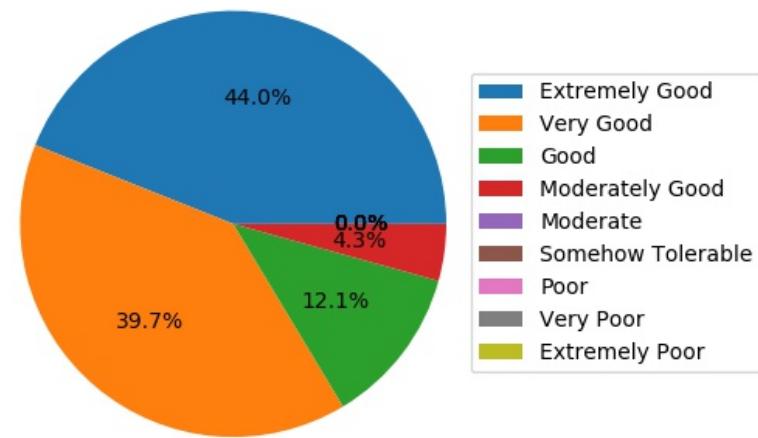
Does the Curriculum satisfy the current industry requirement?



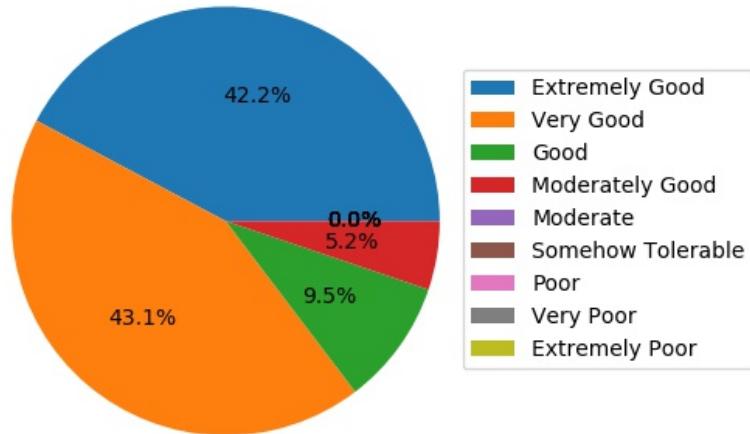
Is the Curriculum compatible with the latest technology?



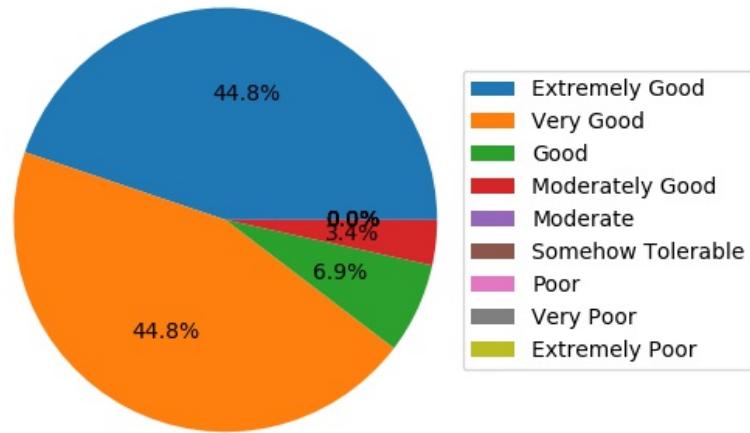
Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?



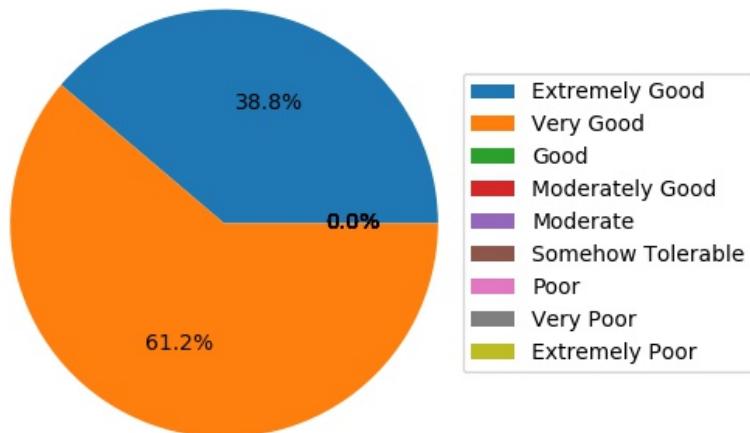
How do you rate the applicability of the curriculum in real life?



What would be your rating on the relevance/learning value of the projects according to the curriculum?



How do you rate the overall content of the curriculum?



Teacher Feedback:

Feedback from teachers was collected for their views towards the curriculum, teaching learning and evaluation as shown in Table-3. Feedback was collected on 8 parameters- "Does the Curriculum enable the application of knowledge of mathematics, science, and technical subjects?", "Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)", "Does the Curriculum satisfy the current industry requirement?", "Is the Curriculum compatible with the latest technology?", "Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?", "How do you rate the applicability of the curriculum in real life?", "What would be your rating on the relevance/learning value of the projects according to the curriculum?" and "How do you rate the overall content of the curriculum?". The teachers provided us the inputs regarding improvement in facilities and employability of our students. We appeal our teachers to provide their sincere feedback on curriculum. We have received total 67 online feedbacks from teachers. Based on the comments of the teachers, the analysis has been done as follows:

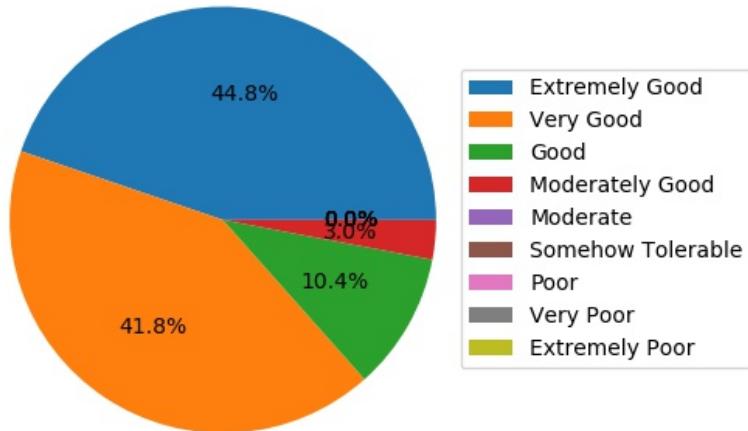
Table 3: Analysis of feedback from Teachers 2015-16

Q.No.	Curriculum Evaluation Points	Responses (in terms of percentage of teachers)										Rating
		Extremely Good	Very Good	Good	Moderately Good	Moderate	Somehow Tolerable	Poor	Very Poor	Extremely Poor	Average	
1	Does the Curriculum enable the application of knowledge of mathematics, science, and technical subjects?	44.78	41.79	10.45	2.99	0	0	0	0	0	8.28	Excellent
2	Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)	46.27	38.81	5.97	8.96	0	0	0	0	0	8.22	Excellent
3	Does the Curriculum satisfy the current industry requirement?	43.28	49.25	7.46	0	0	0	0	0	0	8.36	Excellent
4	Is the Curriculum compatible with the latest technology?	52.24	46.27	1.49	0	0	0	0	0	0	8.51	Excellent
5	Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?	46.27	44.78	5.97	2.99	0	0	0	0	0	8.34	Excellent
6	How do you rate the applicability of the curriculum in real life?	40.3	55.22	4.48	0	0	0	0	0	0	8.36	Excellent
7	What would be your rating on the relevance/learning value of the projects according to the curriculum?	46.27	38.81	8.96	5.97	0	0	0	0	0	8.25	Excellent
8	How do you rate the overall content of the curriculum?	29.85	70.15	0	0	0	0	0	0	0	8.3	Excellent

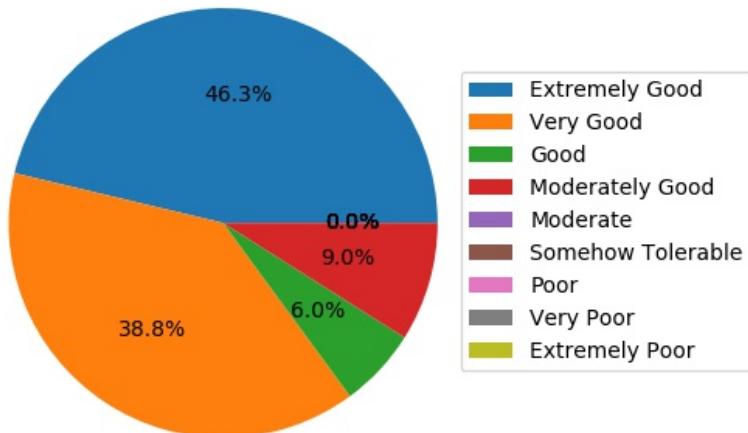
Note: **Average Scores > 8:** excellent; **8≥Average Score>6:** Very Good; **6≥Average Score>4:** Good

It is evident from the table that the teachers have given highest score of 8.51 to parameter "Is the Curriculum compatible with the latest technology?". The parameter "Does the Curriculum satisfy the current industry requirement?" shows score of 8.36 which is regarded as "Excellent". All the other parameters also show "Excellent" rating. Overall the feedback from teachers on curriculum is excellent.

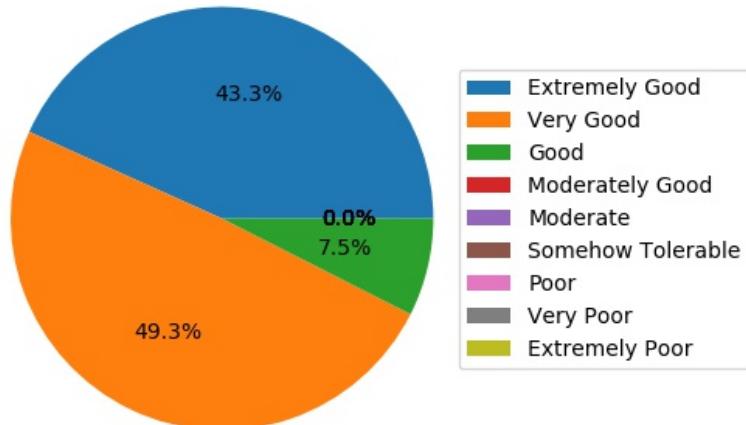
Does the Curriculum enable the application of knowledge of mathematics, science, and technical subjects?



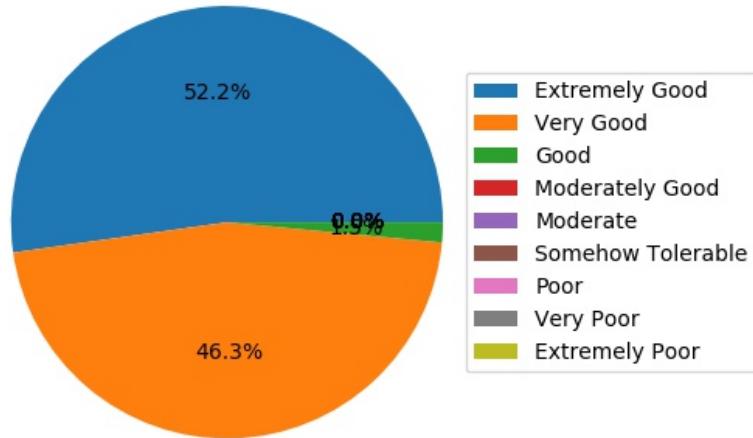
Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)



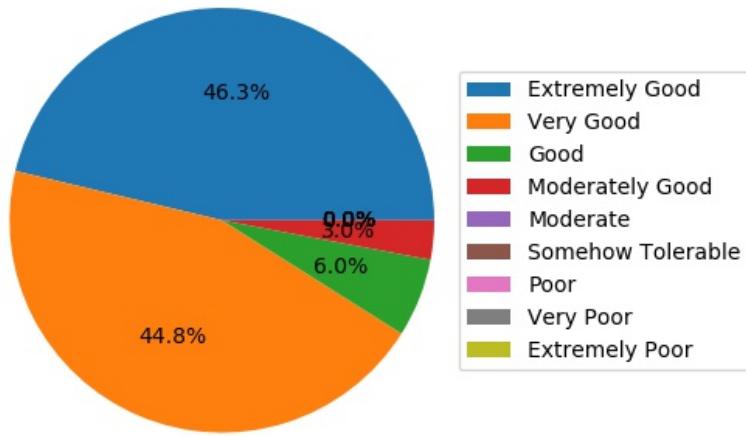
Does the Curriculum satisfy the current industry requirement?



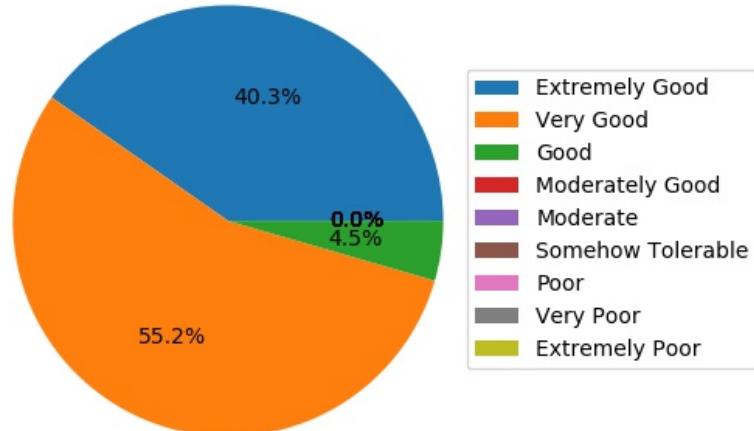
Is the Curriculum compatible with the latest technology?



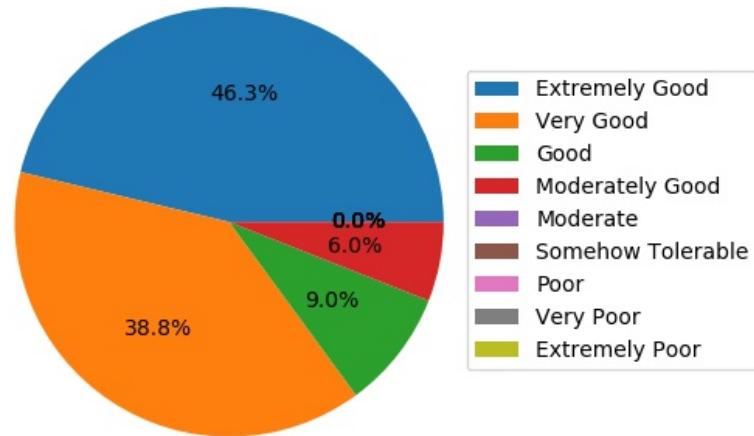
Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?



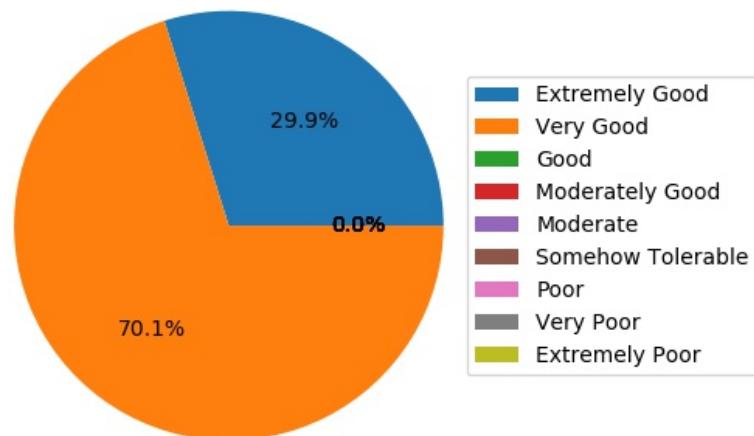
How do you rate the applicability of the curriculum in real life?



What would be your rating on the relevance/learning value of the projects according to the curriculum?



How do you rate the overall content of the curriculum?



Employer Feedback:

Our employers are valuable for us. They provided us the inputs regarding improvement in facilities and employability of our students. JIS College of Engineering always tries to get feedback from employers to improve the quality of academic programs especially for design and review of the syllabus. We have received total 22 online feedbacks from employers. The findings of the employer's feedback responses are reported in Table-4.

Table 4: Analysis of feedback from Employers 2015-16

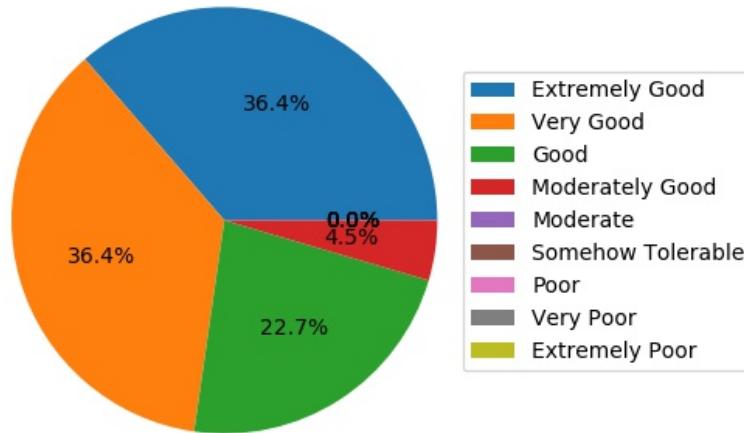
Q.No.	Curriculum Evaluation Points	Responses (in terms of percentage of employers)									Rating	
		Extremely Good	Very Good	Good	Moderately Good	Moderate	Somehow Tolerable	Poor	Very Poor	Extremely Poor		
1	Does the Curriculum enable the application of knowledge of mathematics, science, and technical subjects?	36.36	36.36	22.73	4.55	0	0	0	0	0	8.05	Excellent
2	Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)	27.27	54.55	18.18	0	0	0	0	0	0	8.09	Excellent
3	Does the Curriculum satisfy the current industry requirement?	40.91	36.36	18.18	4.55	0	0	0	0	0	8.14	Excellent
4	Are you satisfied with the depth of the course content?	36.36	31.82	27.27	4.55	0	0	0	0	0	8	Excellent
5	Is the Curriculum compatible with the latest technology?	36.36	40.91	18.18	4.55	0	0	0	0	0	8.09	Excellent
6	Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?	31.82	40.91	22.73	4.55	0	0	0	0	0	8	Excellent
7	How do you rate the overall content of the academic curriculum?	36.36	45.45	9.09	9.09	0	0	0	0	0	8.09	Excellent
8	How do you rate the applicability of the curriculum in real life?	40.91	27.27	22.73	9.09	0	0	0	0	0	8	Excellent
9	What would be your rating on the relevance/learning value of the projects according to the curriculum?	31.82	40.91	27.27	0	0	0	0	0	0	8.05	Excellent

Note: **Average Scores > 8:** excellent; **8≥Average Score>6:** Very Good; **6≥Average Score>4:** Good

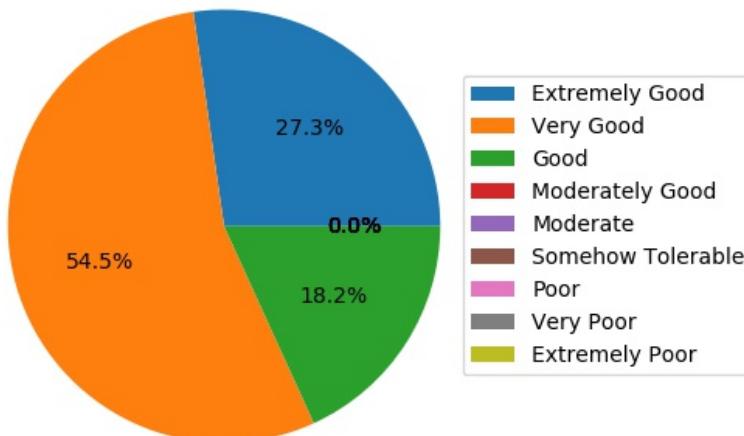
Table-4 shows "Excellent" on all parameters where "Does the Curriculum satisfy the current industry requirement?" shows maximum score of (8.14). The parameter "Learning value (in terms of skills,

concepts, knowledge, analytical abilities, or broadening perspectives)" shows score of 8.09 which indicate that our employers are satisfied with the academic curriculum.

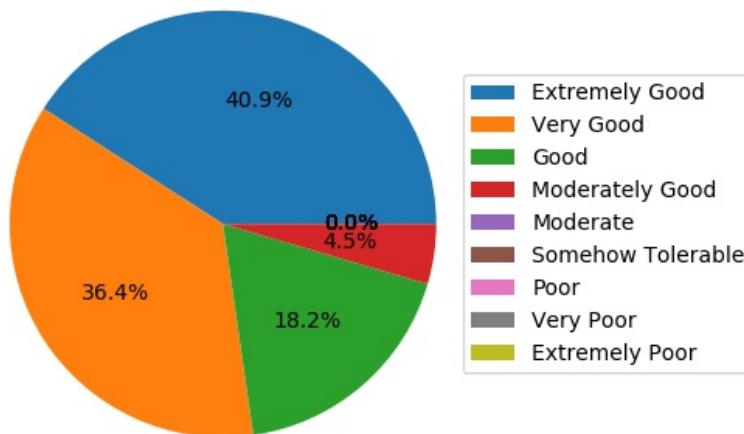
Does the Curriculum enable the application of knowledge of mathematics, science, and technical subjects?



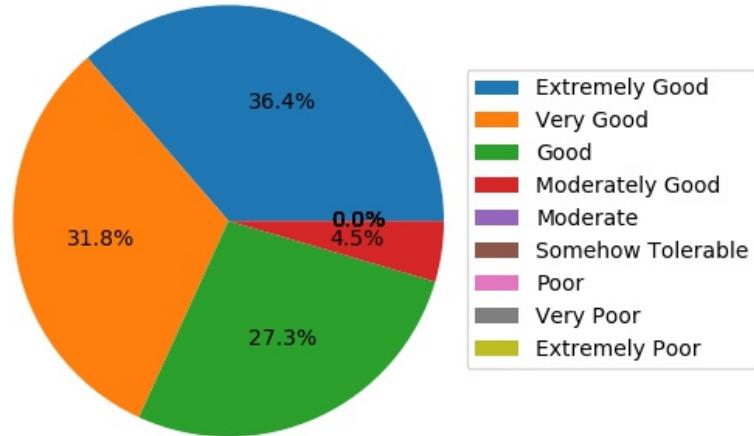
Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)



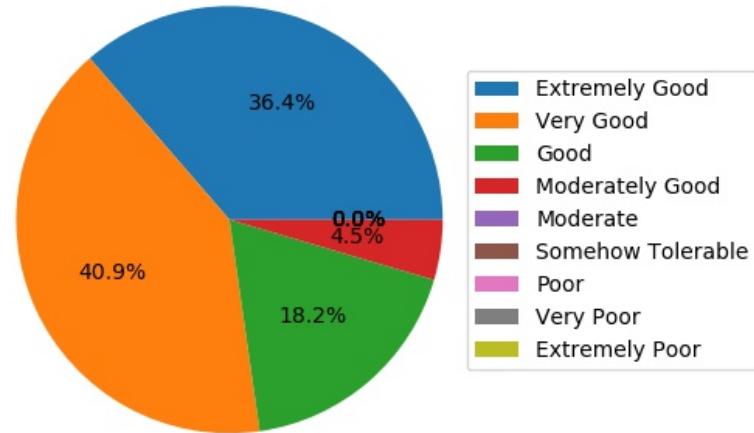
Does the Curriculum satisfy the current industry requirement?



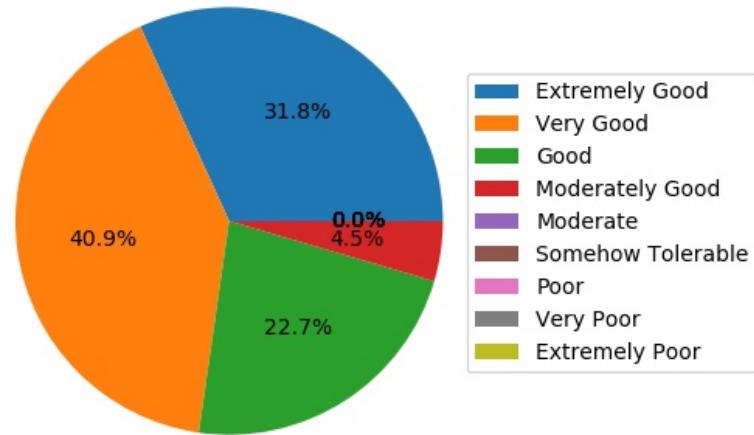
Are you satisfied with the depth of the course content?



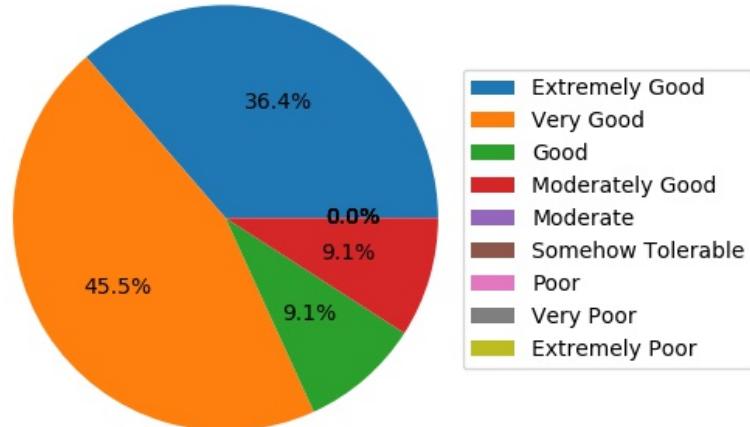
Is the Curriculum compatible with the latest technology?



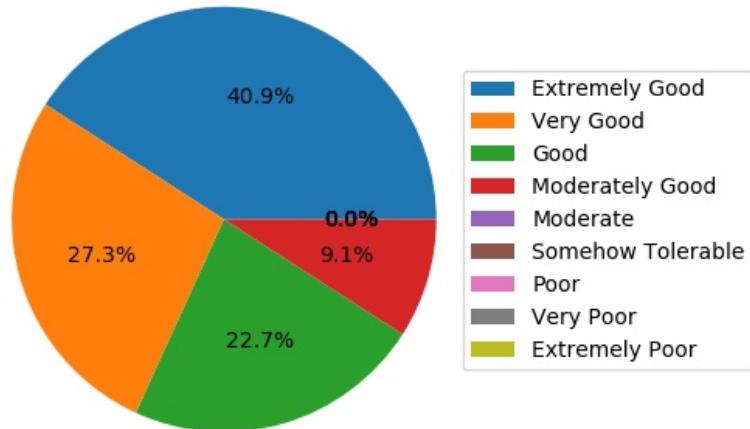
Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?



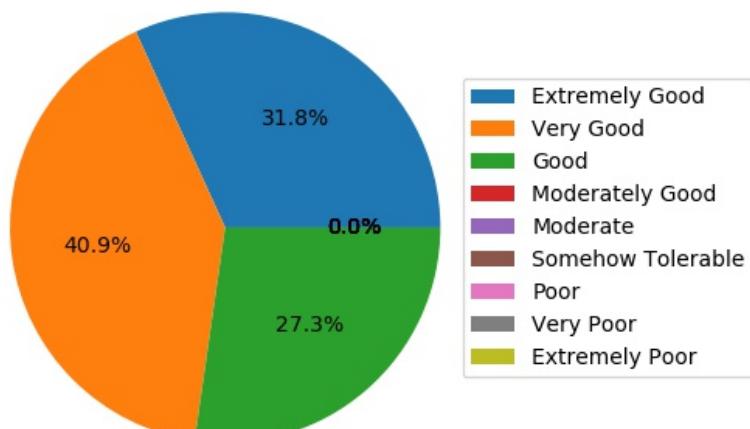
How do you rate the overall content of the academic curriculum?



How do you rate the applicability of the curriculum in real life?



What would be your rating on the relevance/learning value of the projects according to the curriculum?



Alumni Feedback:

Our alumni are valuable for us. They provided us the inputs regarding improvement in facilities and employability of our students. JIS College of Engineering always tries to get alumni feedback to improve the quality of academic programs especially for design and review of the syllabus. We have received total 124 alumni online feedbacks. The findings of the alumni's feedback responses are reported in Table-5.

Table 5: Analysis of feedback from Alumni 2015-16

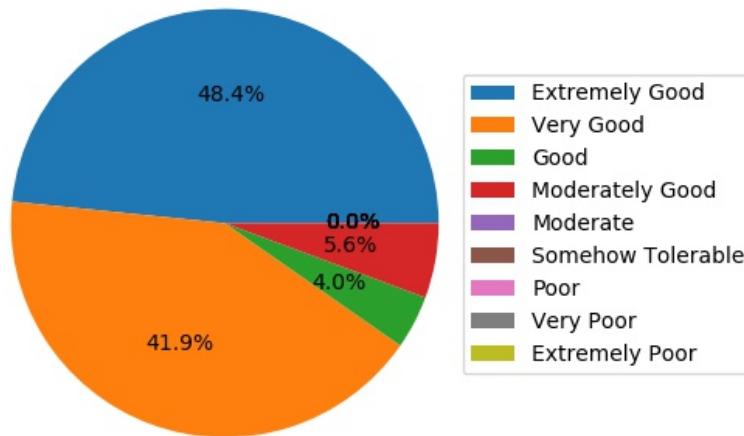
Q.No.	Curriculum Evaluation Points	Responses (in terms of percentage of alumni)										Rating
		Extremely Good	Very Good	Good	Moderately Good	Moderate	Somehow Tolerable	Poor	Very Poor	Extremely Poor	Average	
1	Does the Curriculum enable the application of knowledge of mathematics, science, and technical subjects?	48.39	41.94	4.03	5.65	0	0	0	0	0	8.33	Excellent
2	Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)	45.16	41.13	7.26	6.45	0	0	0	0	0	8.25	Excellent
3	Does the Curriculum satisfy the current industry requirement?	52.42	42.74	3.23	1.61	0	0	0	0	0	8.46	Excellent
4	Are you satisfied with the depth of the course content?	49.19	41.13	4.03	5.65	0	0	0	0	0	8.34	Excellent
5	Is the Curriculum compatible with the latest technology?	44.35	39.52	9.68	6.45	0	0	0	0	0	8.22	Excellent
6	Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?	41.94	38.71	8.87	10.48	0	0	0	0	0	8.12	Excellent
7	How do you rate the overall content of the curriculum?	49.19	37.9	4.84	8.06	0	0	0	0	0	8.28	Excellent
8	How do you rate the applicability/relevance of the curriculum in real life?	46.77	41.13	6.45	5.65	0	0	0	0	0	8.29	Excellent
9	What would be your rating on the projects according to the curriculum?	41.94	41.94	12.9	3.23	0	0	0	0	0	8.23	Excellent

Note: **Average Scores > 8:** excellent; **8≥Average Score>6:** Very Good; **6≥Average Score>4:** Good

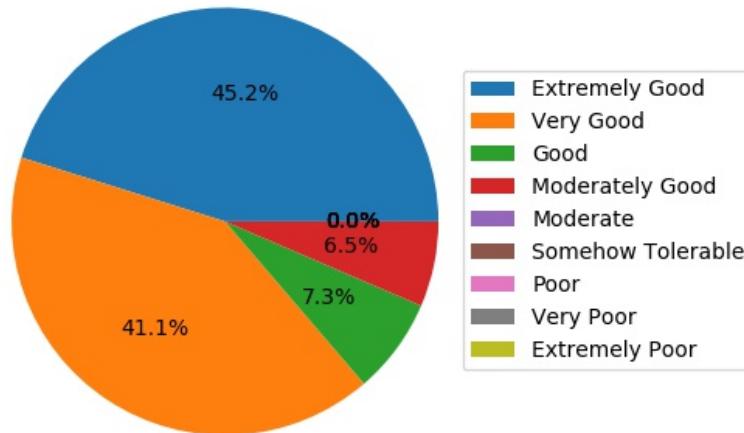
Table-5 shows "Excellent" on all parameters where "Does the Curriculum satisfy the current industry requirement?" shows maximum score of (8.46). The parameter "Are you satisfied with the depth of the course content?" shows score of 8.34 which indicate that our alumni are satisfied with the academic

curriculum. It is clearly evident from the average scores mentioned in Table-5 that our alumni feel proud to be the student of JIS College of Engineering.

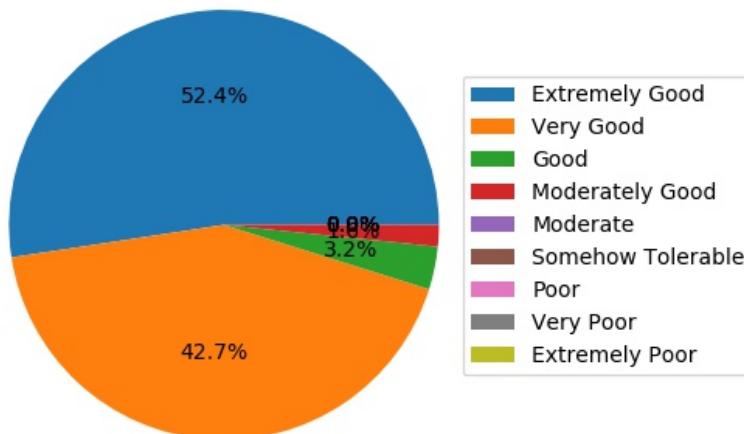
Does the Curriculum enable the application of knowledge of mathematics, science, and technical subjects?



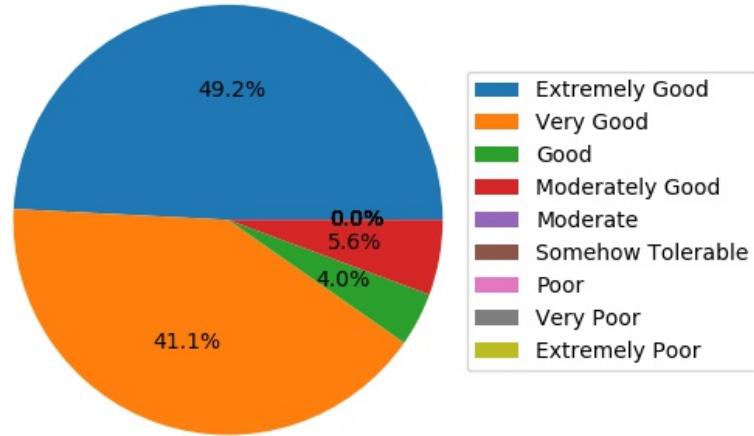
Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)



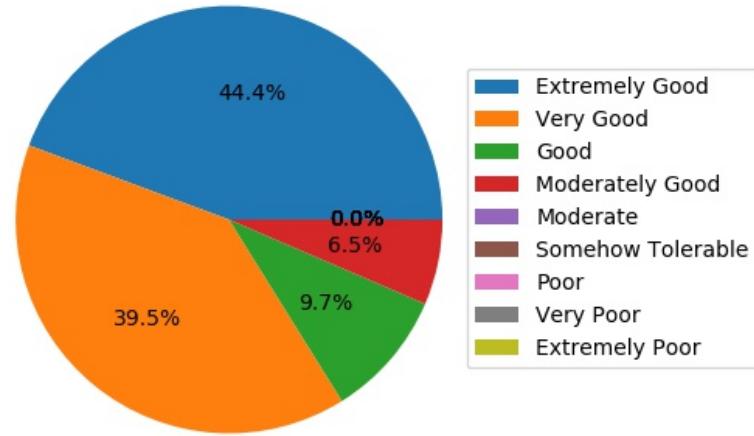
Does the Curriculum satisfy the current industry requirement?



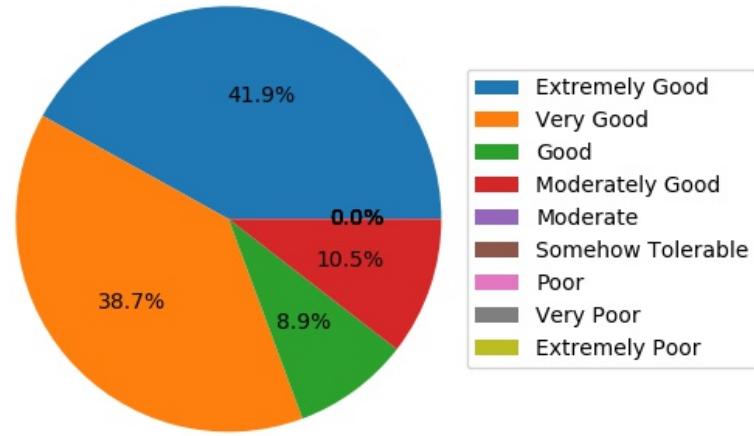
Are you satisfied with the depth of the course content?



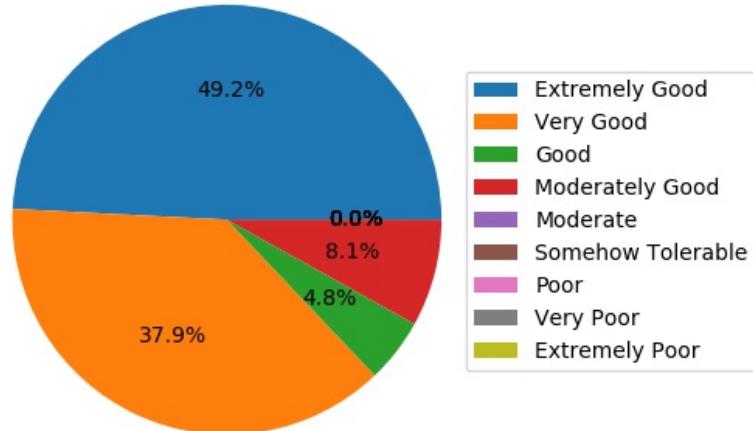
Is the Curriculum compatible with the latest technology?



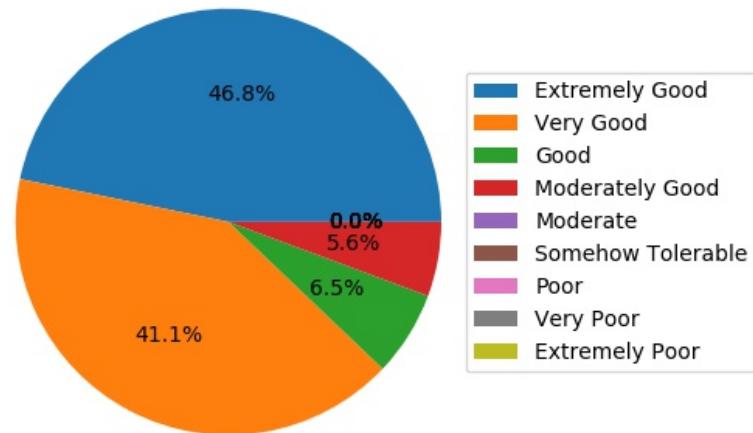
Does the curriculum enable a graduate to identify, formulate and solve problems using engineering knowledge?



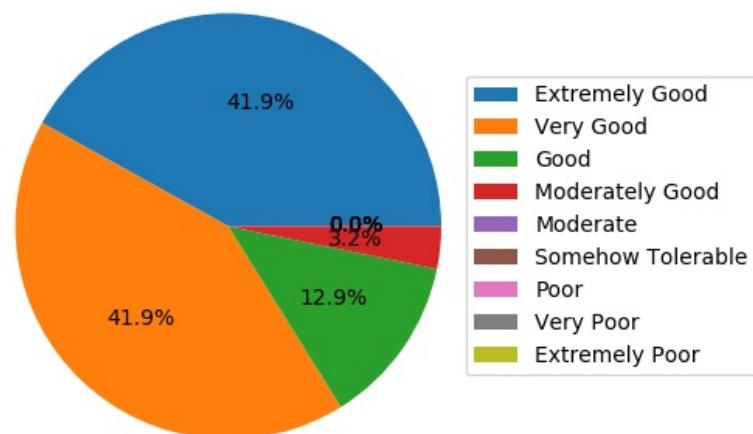
How do you rate the overall content of the curriculum?



How do you rate the applicability/relevance of the curriculum in real life?



What would be your rating on the projects according to the curriculum?



Action Taken Report (ATR) on Feedback

1. **Parameter:** Relevance/learning value of project/ report

Action Taken:

- Special training sessions are arranged for 3rd year students to make them familiar with project and project ideas
- Students are encouraged to think for innovative project ideas.

2. **Parameter:** Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)

Action Taken:

- Trainings are arranged to increase skill.
- Students are encouraged to participate in different technical competitions.

3. **Parameter:** Does the Curriculum enable the application of knowledge of mathematics, science, and technical subjects?

Action Taken:

- Students are motivated to solve real life problems by applying knowledge of mathematics, science and technical subjects
- Application based projects are allocated to final year students