



# ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade  
Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956  
Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

## DEPARTMENT OF CIVIL ENGINEERING

### Student Feedback on curriculum

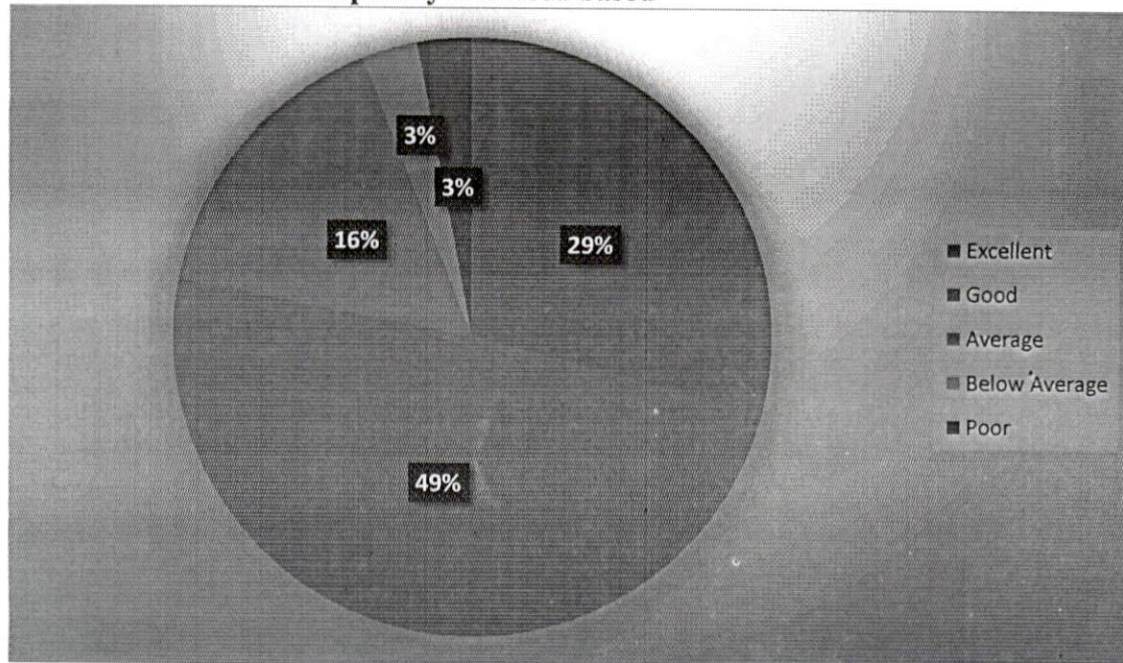
Student Feedback Analysis (2019-2020) for the M. Tech (Structural Engineering) program.

| S. NO | Question related to Curriculum   | Opinion of the Student with percentage |          |             |                   |          | Majority opinion | % of Majority Opinion |
|-------|--|--|----------|-------------|-------------------|----------|------------------|-----------------------|
|       |  | Excellent (%)                          | Good (%) | Average (%) | Below Average (%) | Poor (%) |                  |                       |
| 1     | Curriculum is contemporary and need based  | 29                                     | 49       | 16          | 3                 | 3        | Excellent & good | 78%                   |
| 2     | Curriculum has good balance of Theory and Practical courses  | 31                                     | 48       | 15          | 2                 | 4        | Excellent & good | 79%                   |
| 3     | The curriculum has sufficient number of electives  | 27                                     | 51       | 15          | 4                 | 3        | Excellent & good | 78%                   |
| 4     | There is adequate emphasis on employability skills / skill development/entrepreneurship in the curriculum.   | 27                                     | 49       | 19          | 2                 | 3        | Excellent & good | 76%                   |
| 5     | There is adequate emphasis on Communication Skills in the Curriculum.  | 28                                     | 51       | 16          | 2                 | 3        | Excellent & good | 79%                   |
| 6     | There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.  | 27                                     | 48       | 17          | 3                 | 5        | Excellent & good | 75%                   |
| 7     | The electives offered in the curriculum suits the industry needs and technological advancements.   | 30                                     | 49       | 14          | 5                 | 2        | Excellent & good | 79%                   |
| 8     | The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.  | 25                                     | 48       | 22          | 3                 | 2        | Excellent & good | 73%                   |
| 9     | The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear. | 29                                     | 49       | 16          | 4                 | 2        | Excellent & good | 78%                   |
| 10    | The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal  | 26                                     | 53       | 17          | 2                 | 2        | Excellent & good | 79%                   |

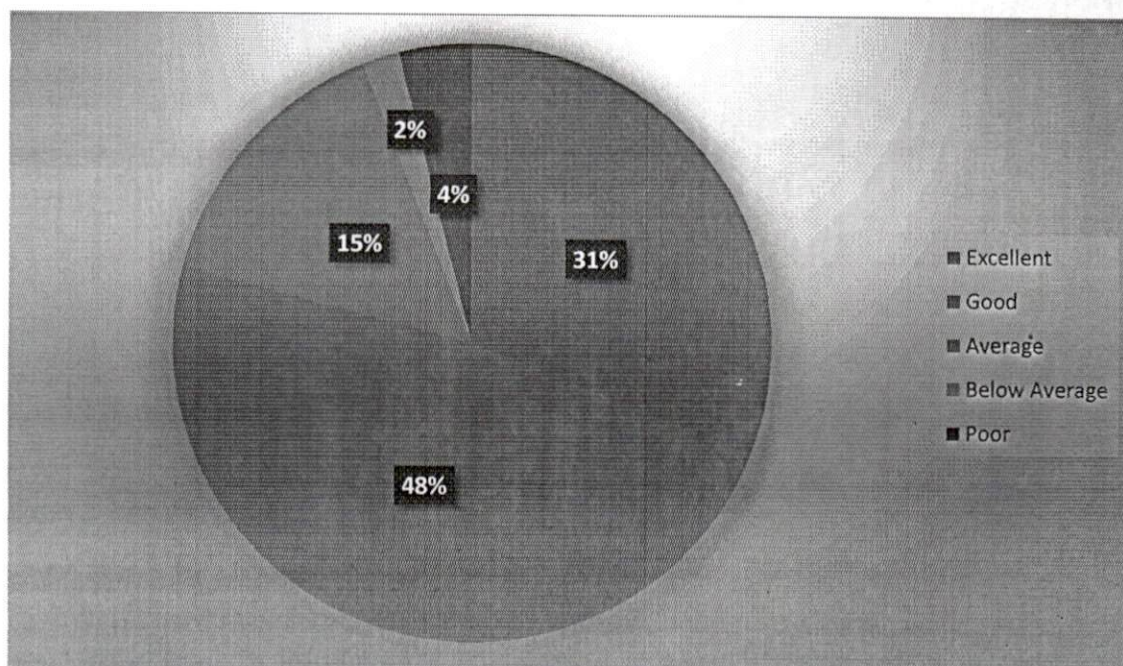
|  |   |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|
|  | Evaluation and Semester<br>End Examination. |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|

## Graphical representation of Students feedback on curriculum

### 1. Curriculum is contemporary and need based

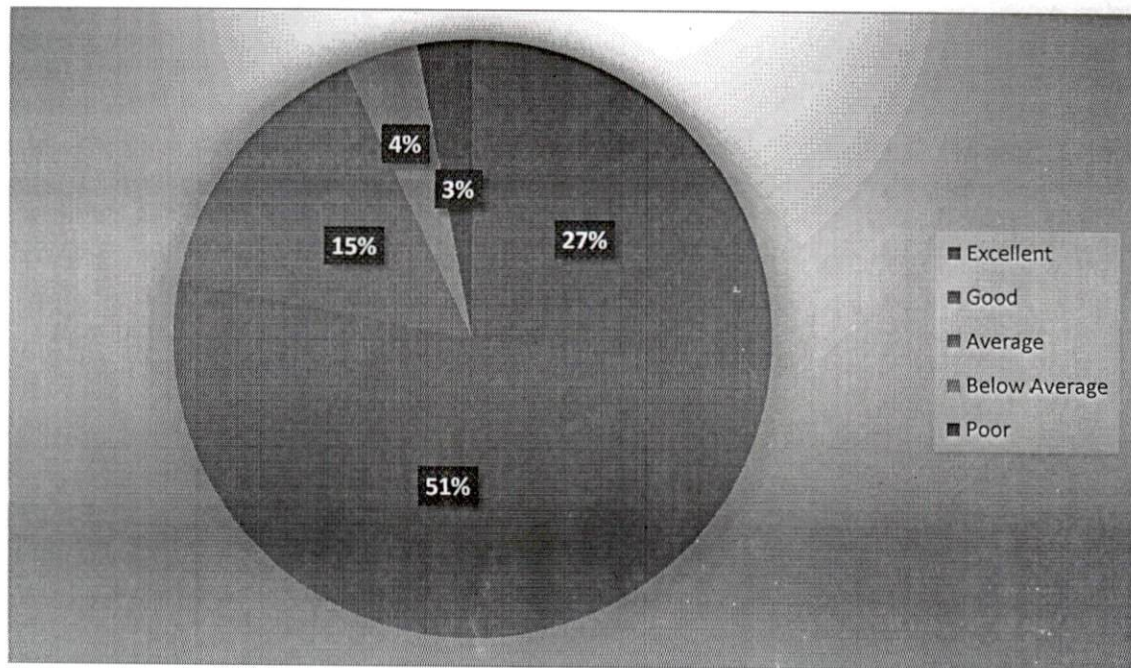


### 2. Curriculum has good balance of Theory and Practical courses.

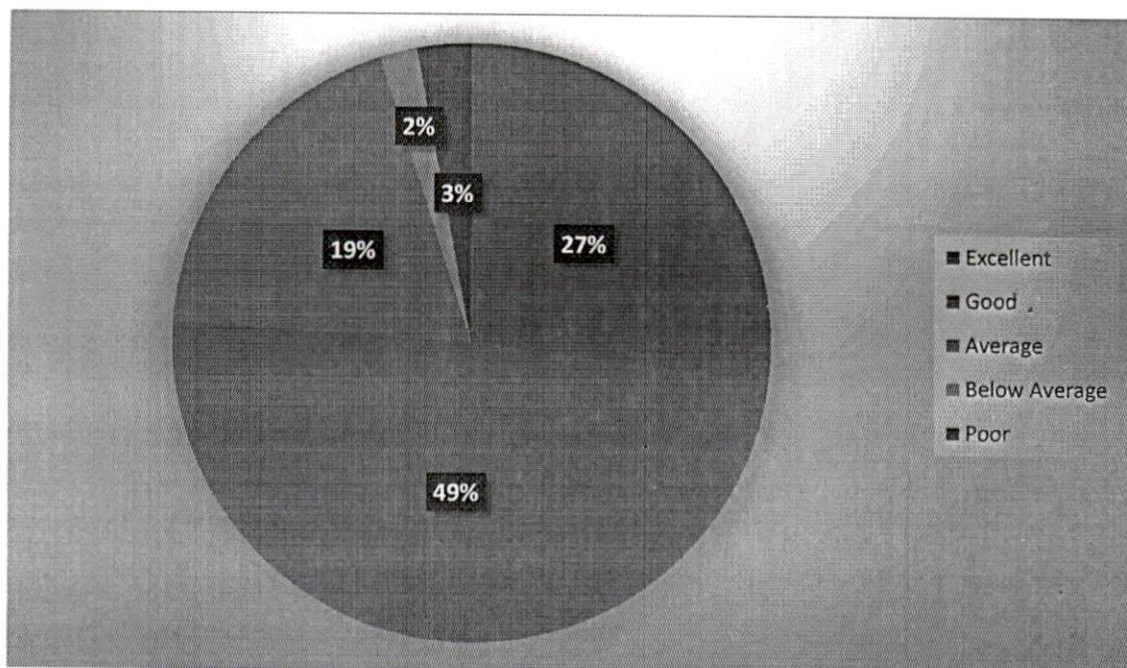




3. The curriculum has sufficient number of electives

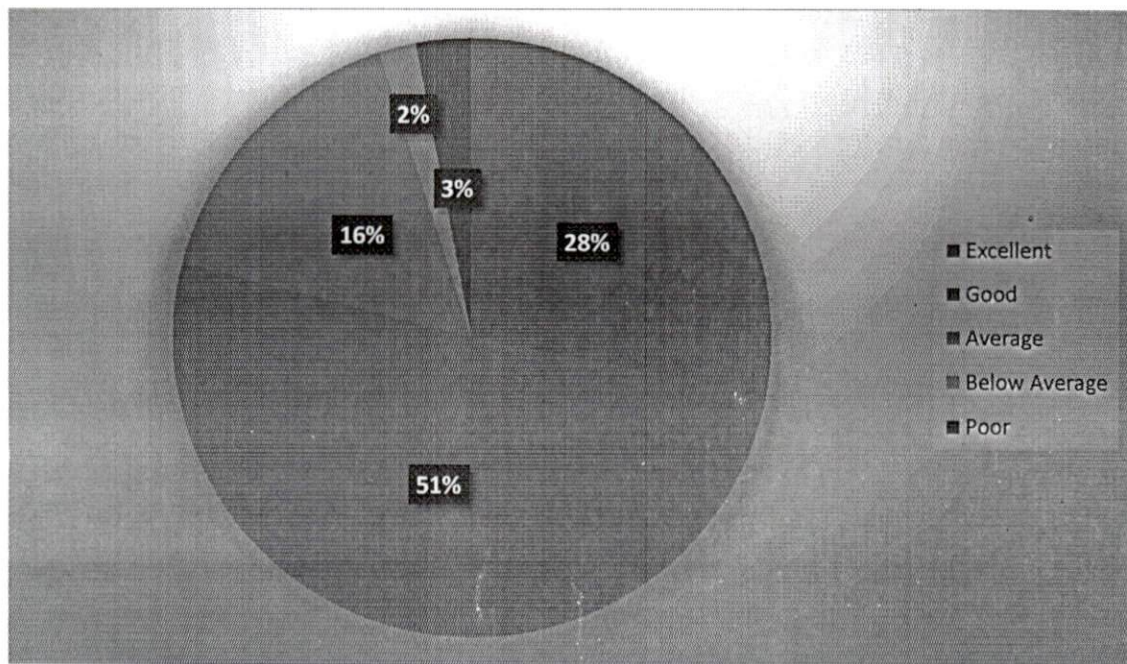


4. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.

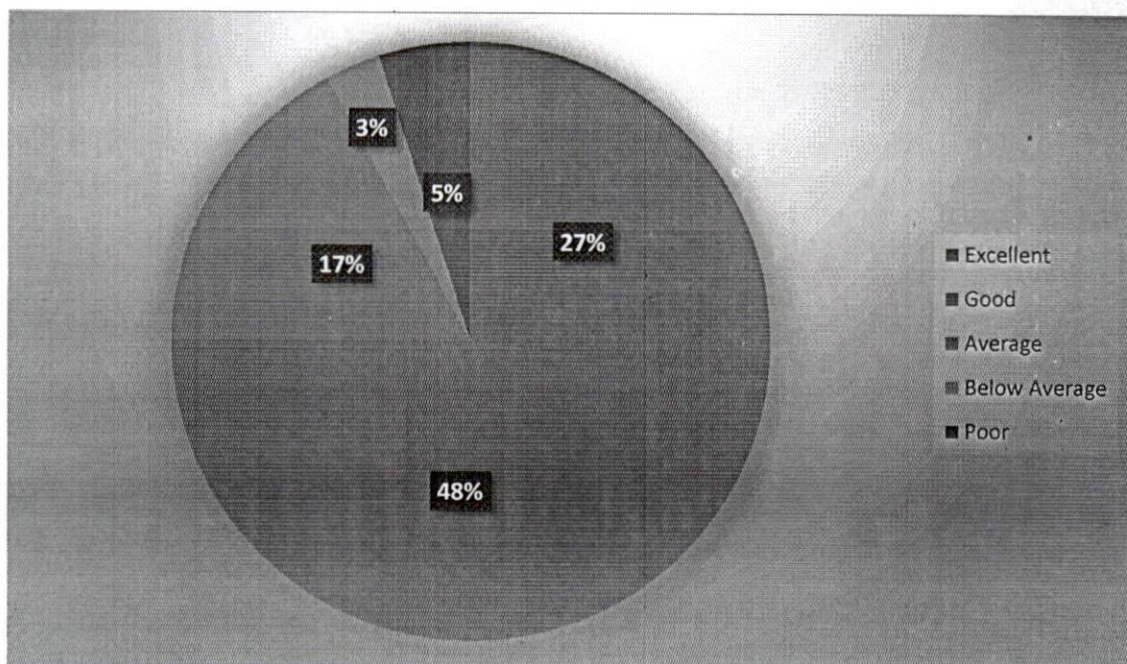




5. There is adequate emphasis on Communication Skills in the Curriculum.

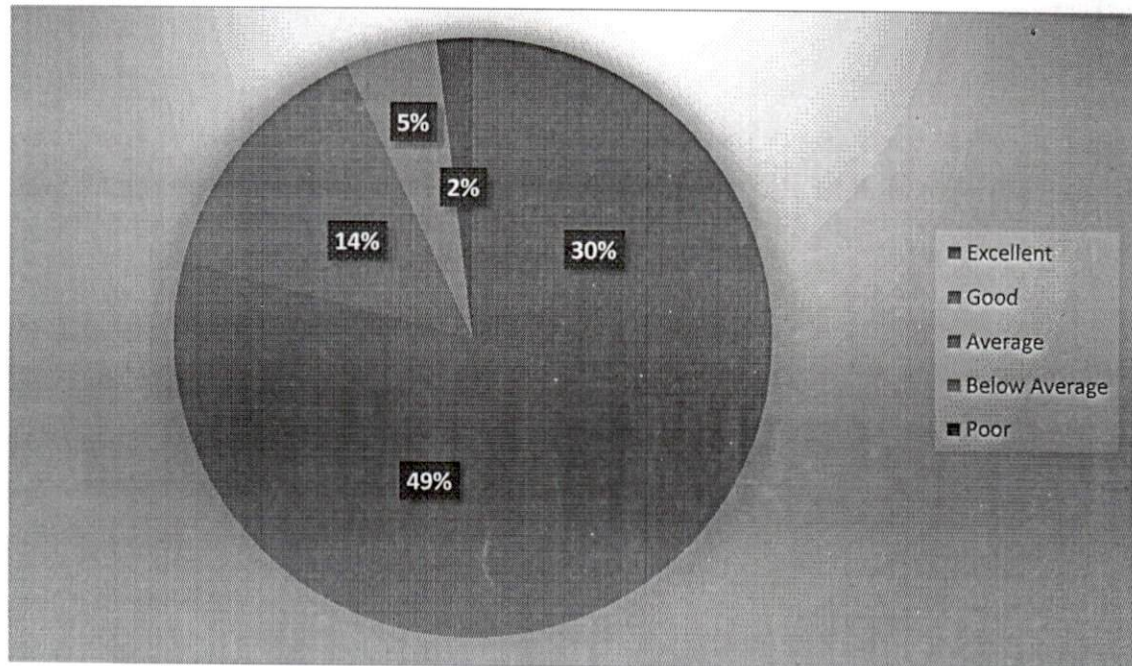


6. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.

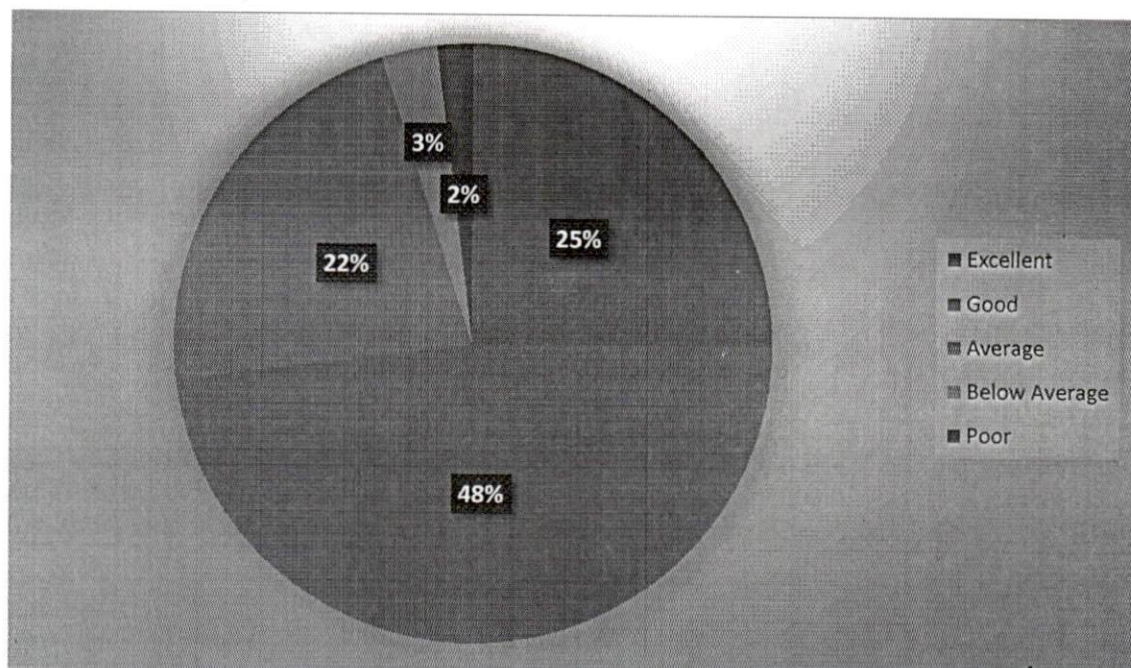




7. The electives offered in the curriculum suits the industry needs and technological advancements.

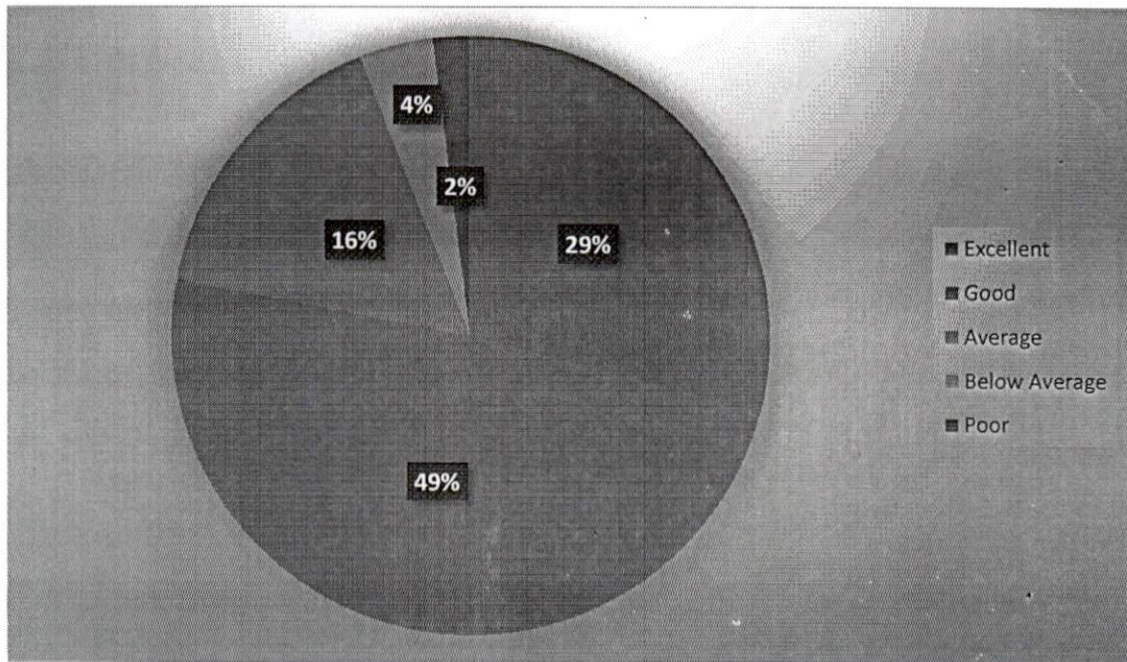


8. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.

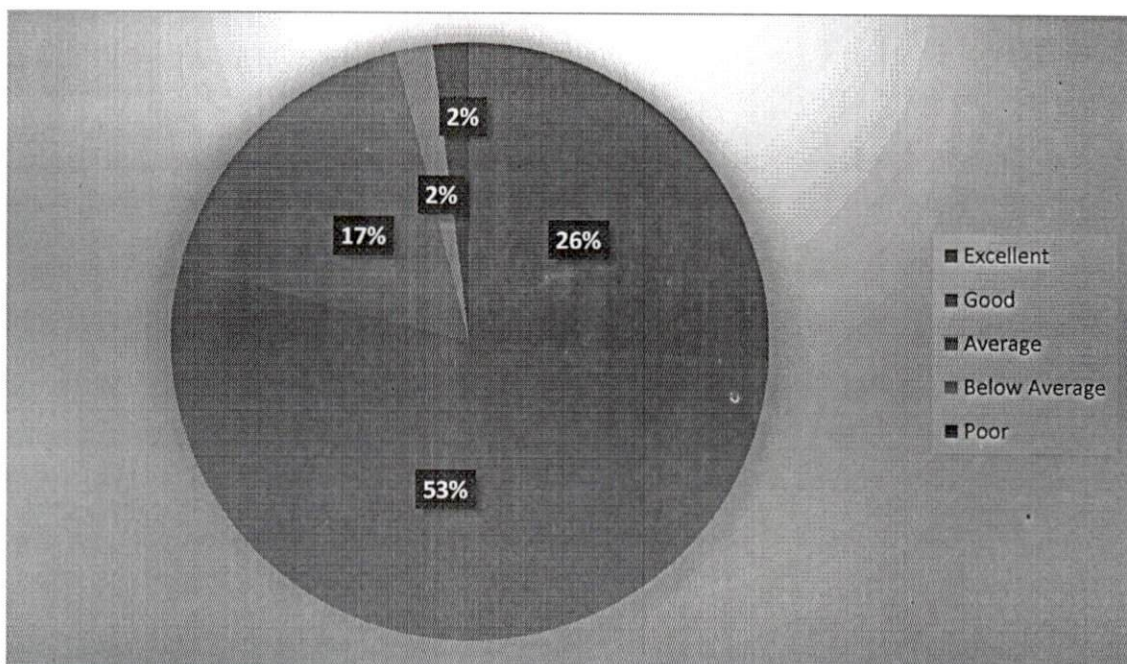




9. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.



10. The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.




**Give your suggestions for improving the curriculum**

1. To gain real-world experience, increase the number of electives and industrial visits.
2. Introduce webinar sessions from IITs/NITs to improve ideas and practical knowledge.
3. Add more choice based subjects in curriculum.
4. Suggested students to participate in skill development programmes to sustain in industry.
5. Increase the project duration and allow students to do work in the company, which is beneficial in terms of practical knowledge.

**The following are observations on Student feedback and action need to be initiated:**

1. Increase the number of electives and industrial visits to gain practical experience.

  
Head of the Department  
Head of the Department  
Dept. of Civil Engineering  
ADITYA ENGINEERING COLLEGE (A9)





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## DEPARTMENT OF CIVIL ENGINEERING

### Teacher Feedback on curriculum

Teacher Feedback Analysis (2019- 2020) for the M. Tech (Structural Engineering) program.

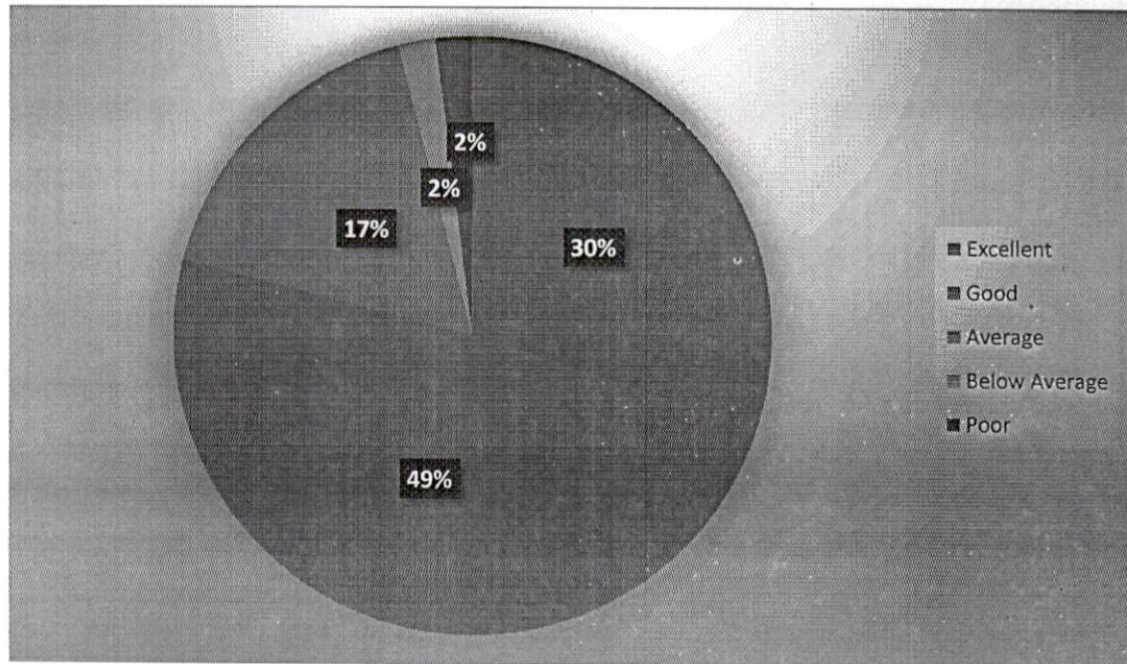
| S. NO | Question related to Curriculum   | Opinion of the Faculty with percentage |          |             |                   |          | Majority opinion | % of Majority Opinion |
|-------|--|--|----------|-------------|-------------------|----------|------------------|-----------------------|
|       |  | Excellent (%)                          | Good (%) | Average (%) | Below Average (%) | Poor (%) |                  |                       |
| 1     | Curriculum is contemporary and need based  | 30                                     | 49       | 17          | 2                 | 2        | Excellent & good | 79%                   |
| 2     | The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear. | 28                                     | 49       | 16          | 3                 | 4        | Excellent & good | 77%                   |
| 3     | Curriculum has good balance of Theory and Practical courses.   | 29                                     | 49       | 17          | 3                 | 2        | Excellent & good | 78%                   |
| 4     | Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.                | 28                                     | 48       | 18          | 2                 | 4        | Excellent & good | 76%                   |
| 5     | The hands on experience gained by the students through the laboratory courses is up to the expectations.   | 29                                     | 47       | 17          | 2                 | 5        | Excellent & good | 76%                   |
| 6     | The students attain the PEOs, POs, PSOs and COs satisfactorily.  | 27                                     | 51       | 16          | 4                 | 2        | Excellent & good | 78%                   |
| 7     | There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.  | 30                                     | 48       | 16          | 2                 | 4        | Excellent & good | 78%                   |
| 8     | There is adequate emphasis on Communication Skills in the Curriculum   | 28                                     | 49       | 16          | 2                 | 5        | Excellent & good | 77%                   |
| 9     | There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.  | 29                                     | 49       | 15          | 4                 | 3        | Excellent & good | 78%                   |
| 10    | The curriculum has sufficient number of electives.   | 28                                     | 51       | 15          | 3                 | 3        | Excellent & good | 79%                   |



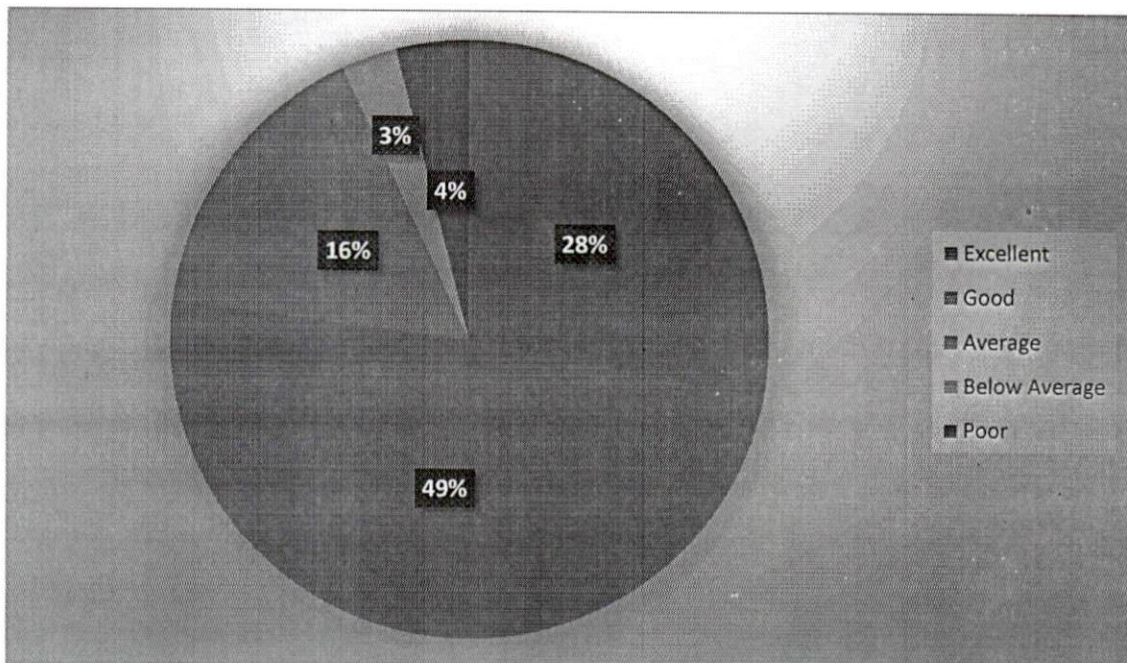
|    |   |    |    |    |   |   |                  |     |
|----|---|----|----|----|---|---|------------------|-----|
| 11 | The electives offered in the curriculum suits the industry needs and technological advancements.  | 30 | 48 | 19 | 3 | 2 | Excellent & good | 78% |
| 12 | The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.   | 26 | 53 | 15 | 2 | 4 | Excellent & good | 79% |
| 13 | The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination | 28 | 48 | 15 | 6 | 3 | Excellent & good | 76% |

## Graphical representation of Teacher feedback on curriculum

### 1. Curriculum is contemporary and need based

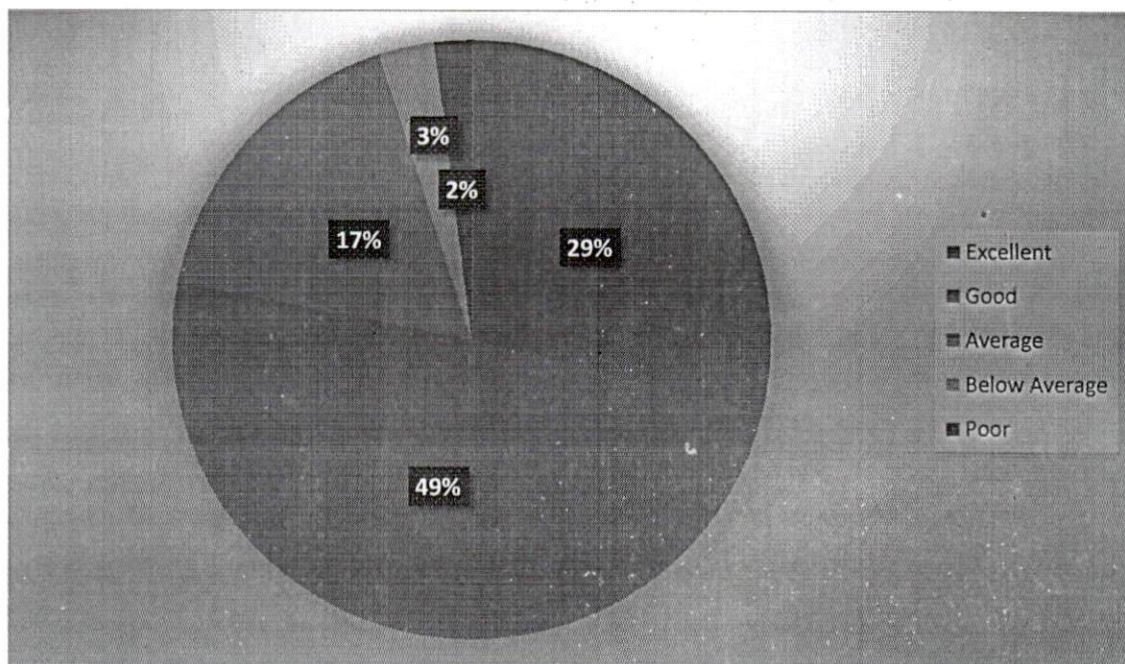


### 2. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.

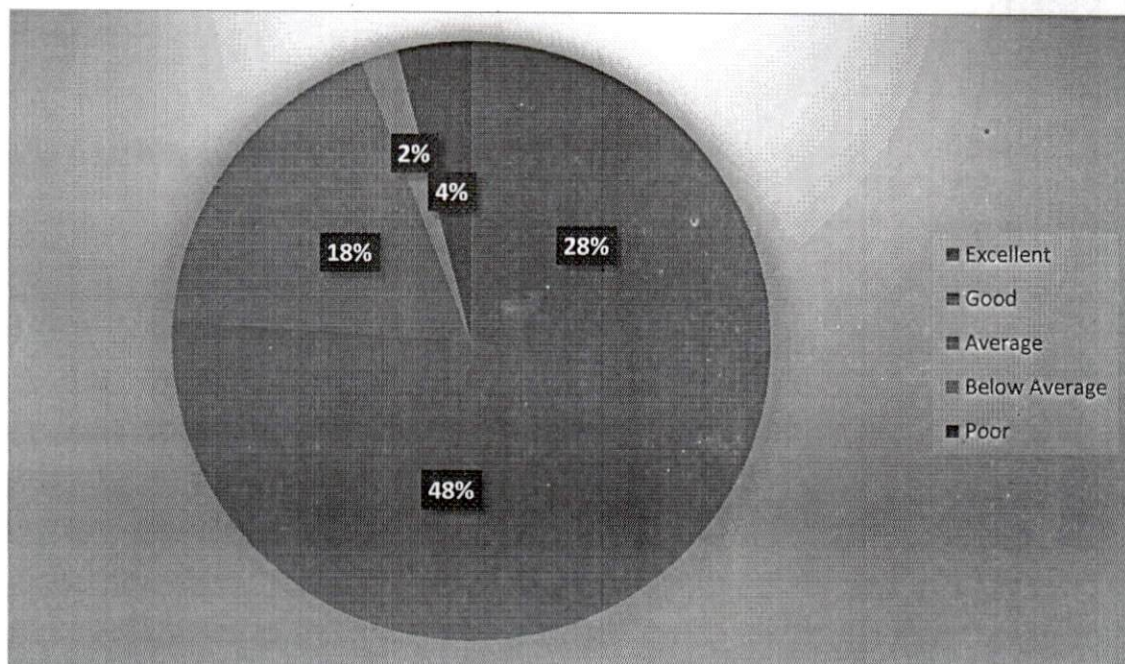




3. Curriculum has good balance of Theory and Practical courses.

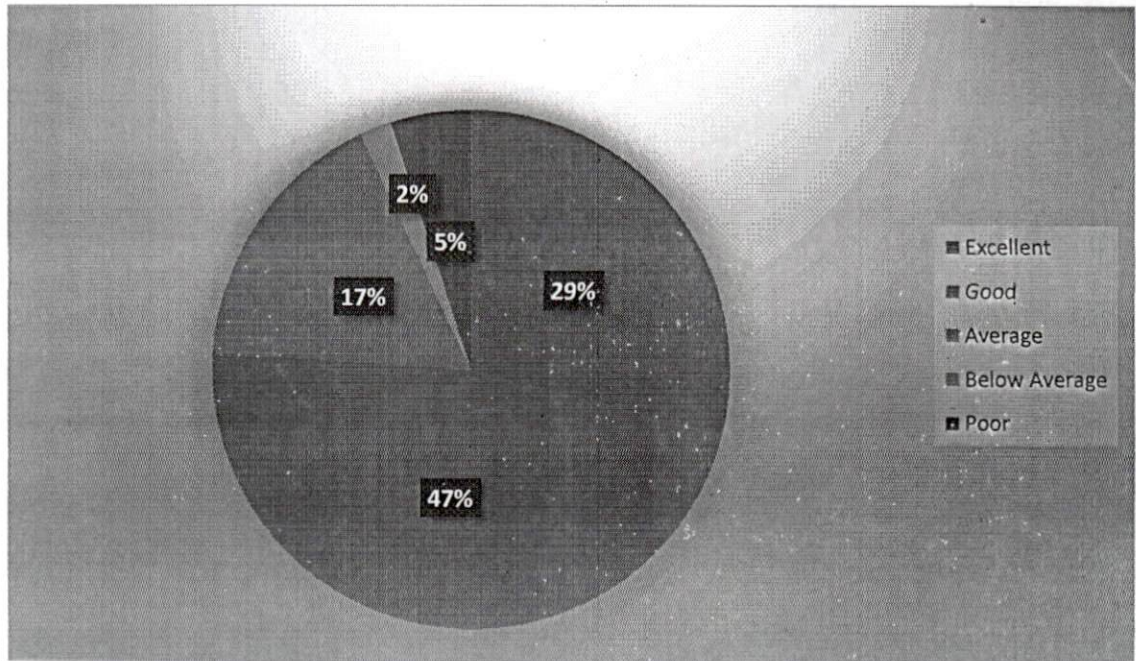


4. Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.

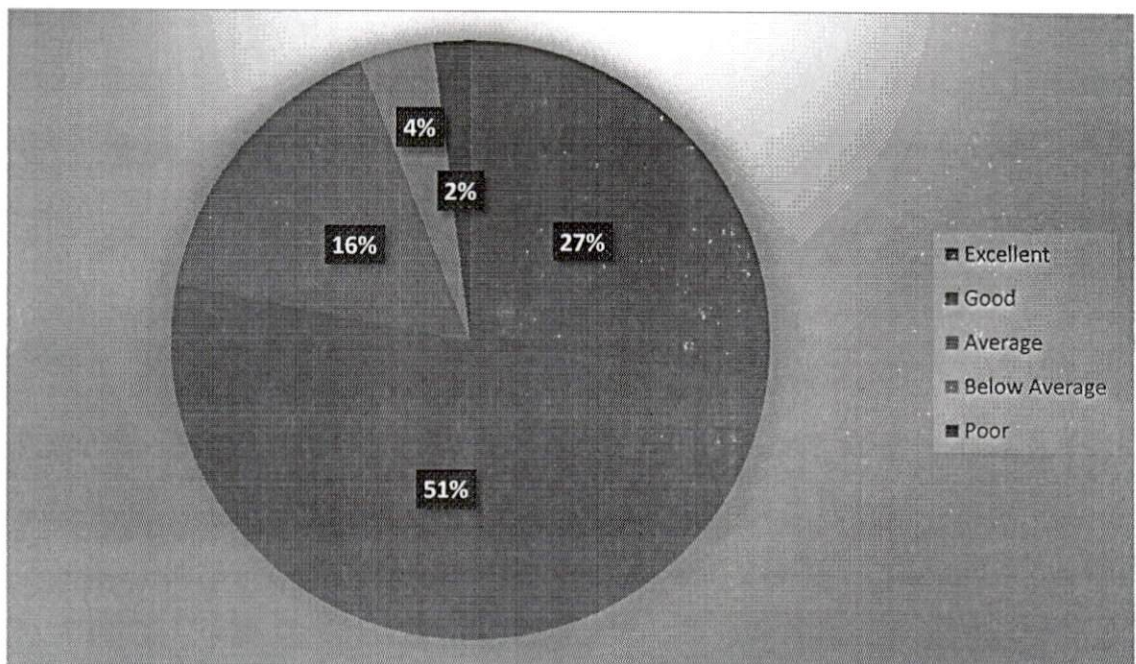




5. The hands on experience gained by the students through the laboratory courses is up to the expectations.

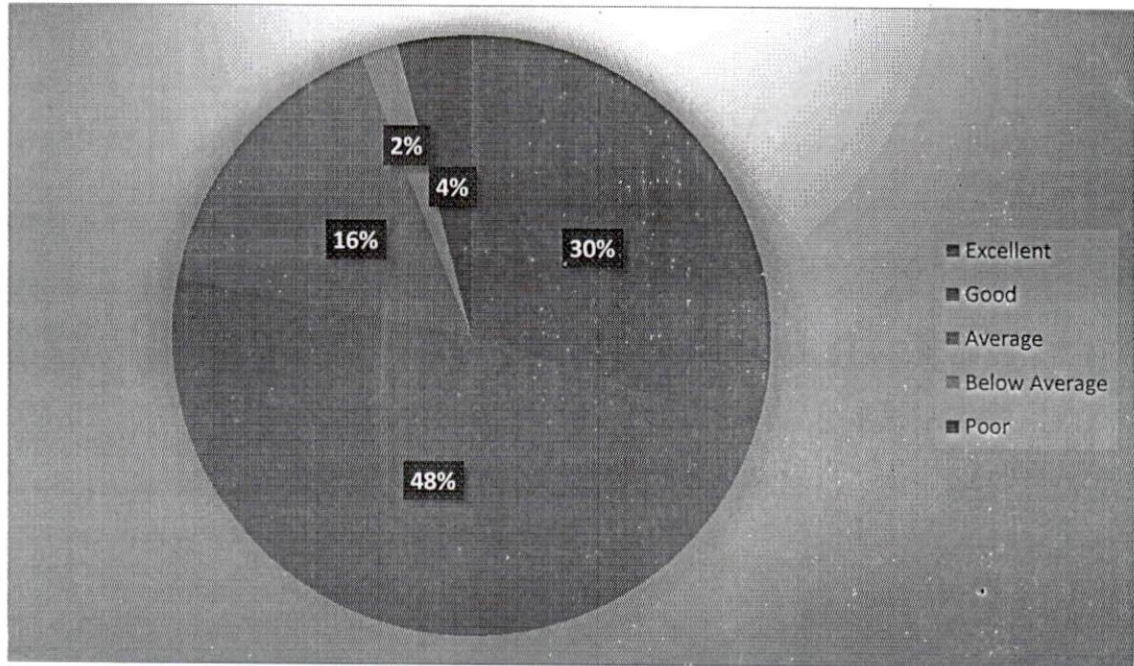


6. The students attain the PEOs, POs, PSO and COs satisfactorily.

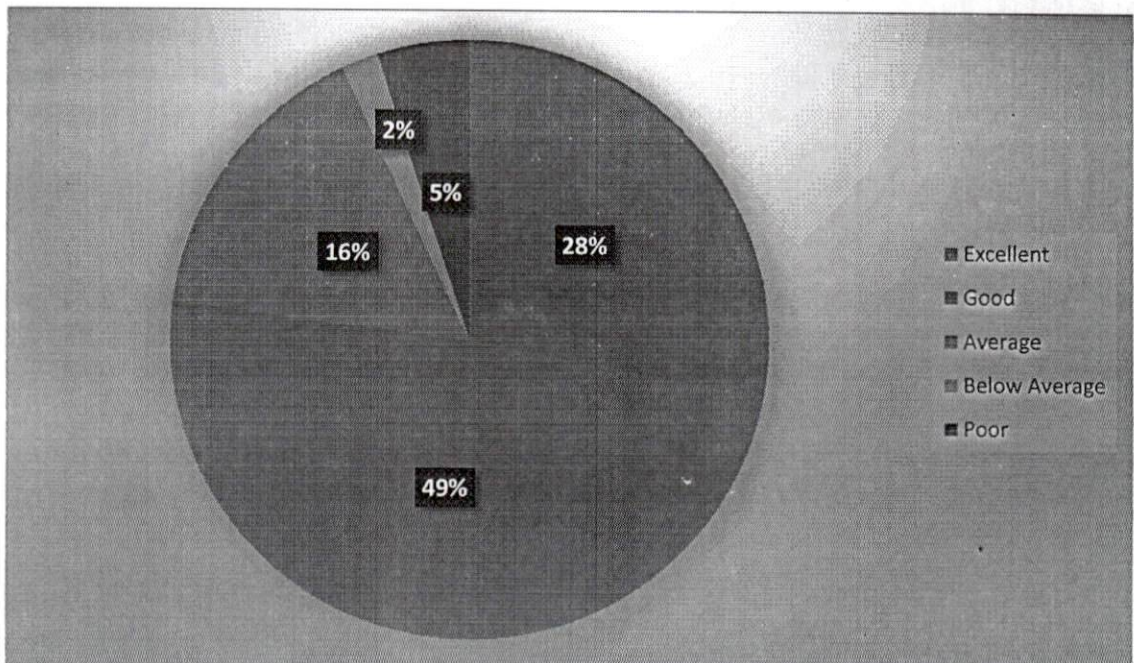




7. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.

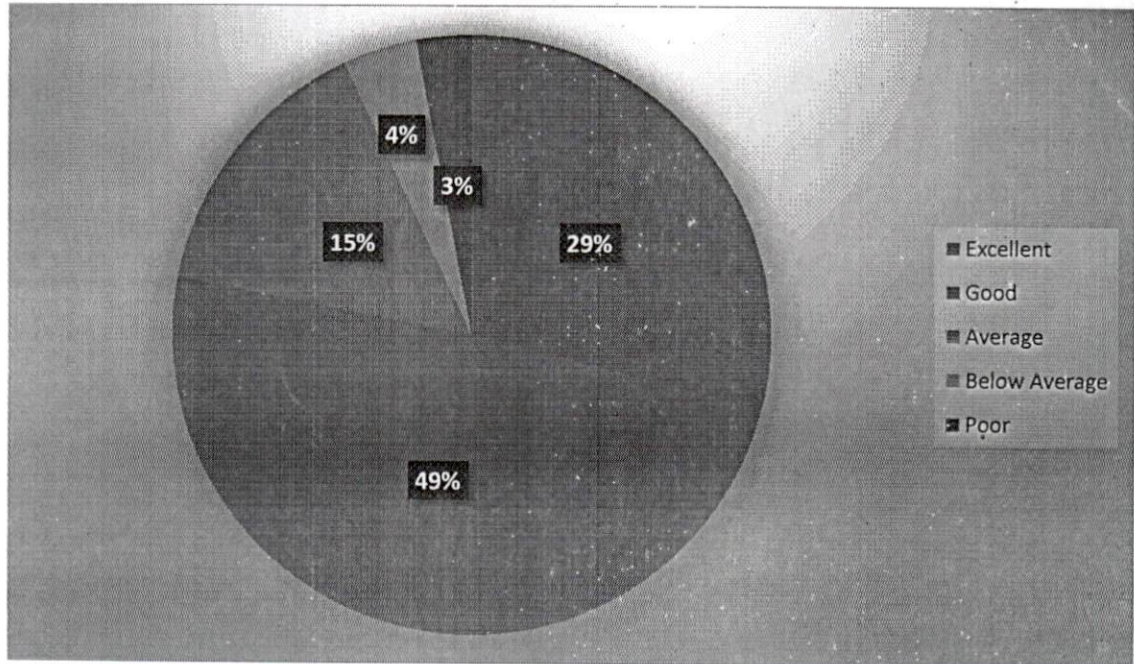


8. There is adequate emphasis on Communication Skills in the Curriculum.

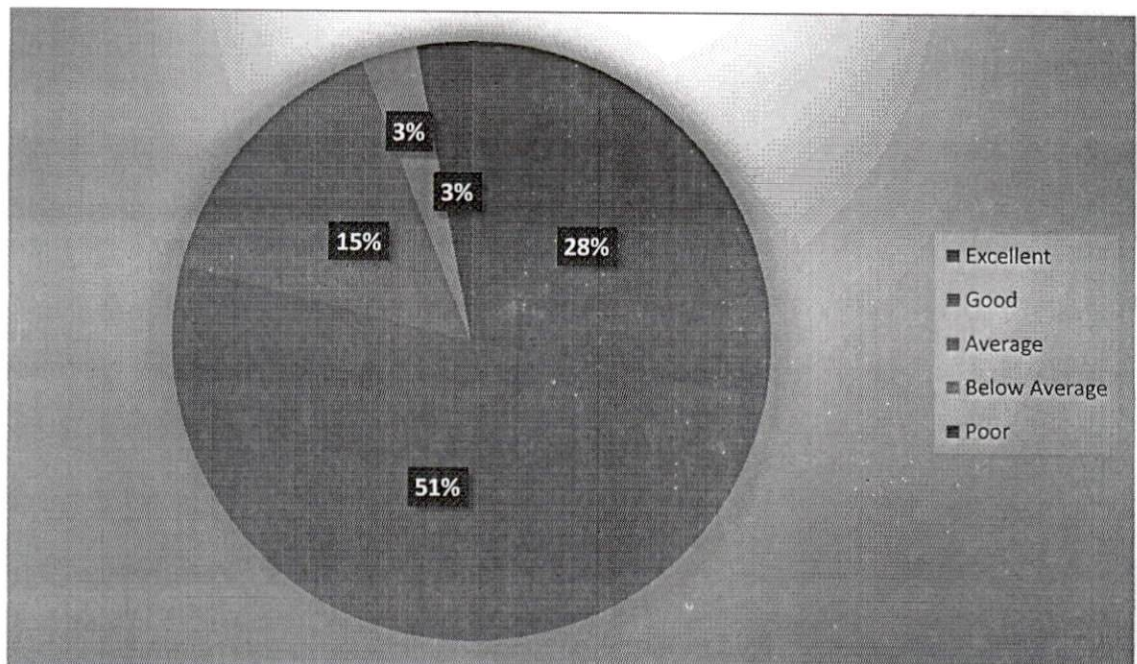




9. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.

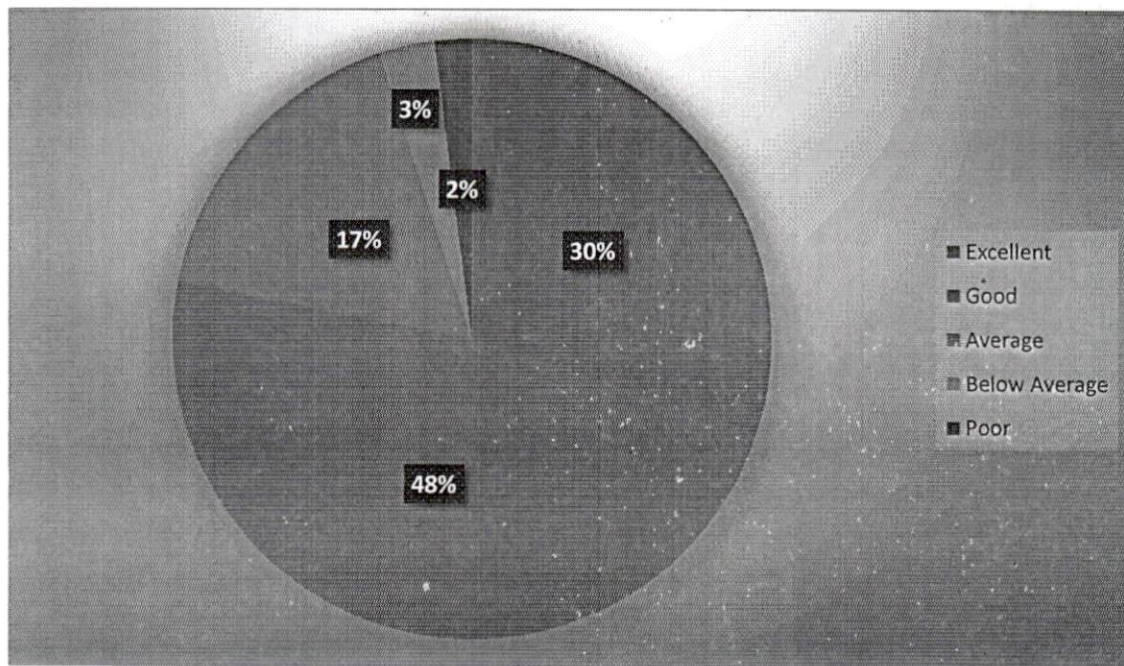


10. The curriculum has sufficient number of electives.

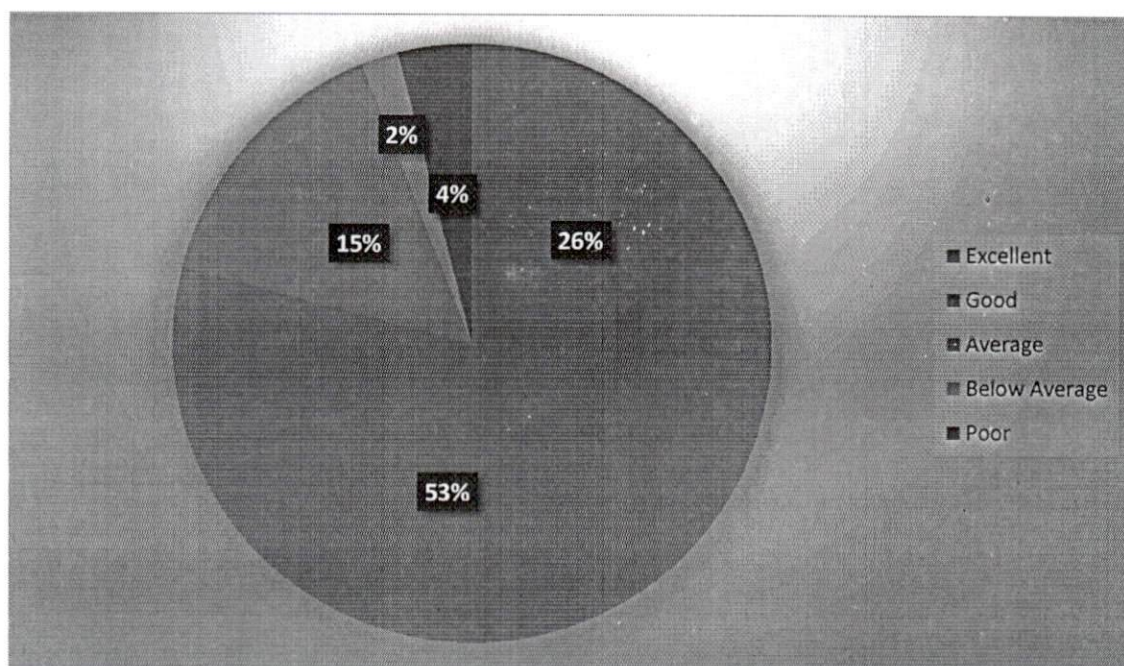




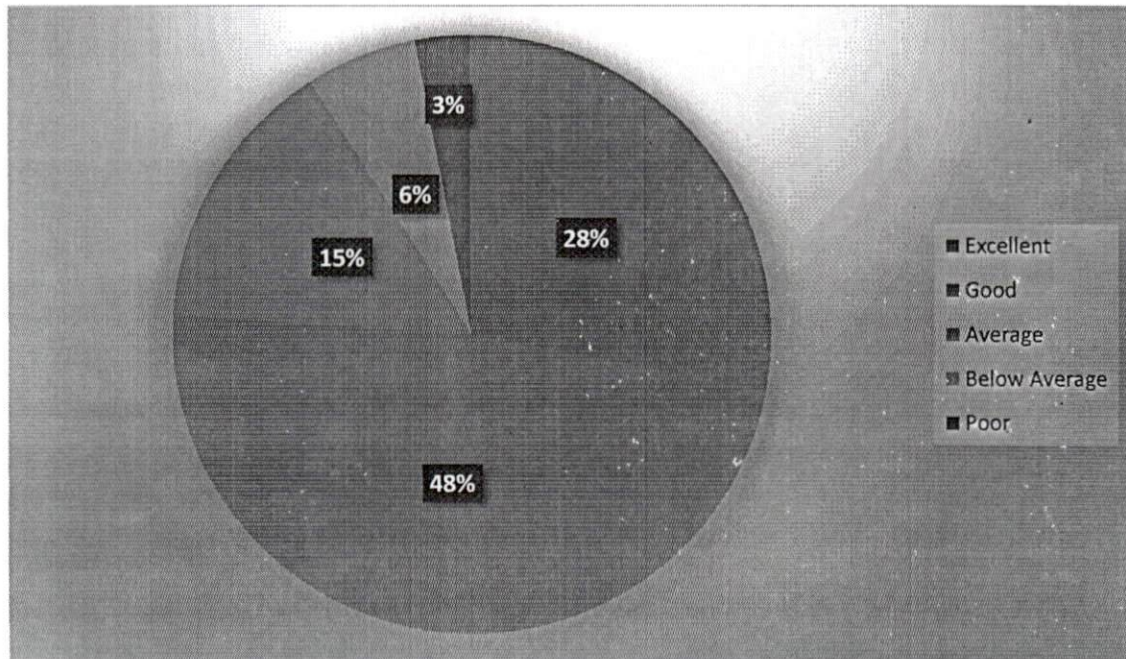
11. The electives offered in the curriculum suits the industry needs and technological advancements.



12. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.



13. The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.




**Give suggestions for improving the Curriculum**

1. Suggested to help students understand the significance of career and research prospects in structural engineering.
2. Introduce webinar sessions from IITs/NITs to improve ideas and practical knowledge.
3. Better to introduce advanced subjects and add more practical sessions.
4. To give ideas of structural Engineering jobs and research in all branches of engineering, it should be given more weight.

**The following are observations on Faculty feedback and action need to be initiated:**

1. Suggested to give students an idea of the importance of structural engineering job and research opportunities.

  
Head of the Department  
Head of the Department  
Dept. of Civil Engineering  
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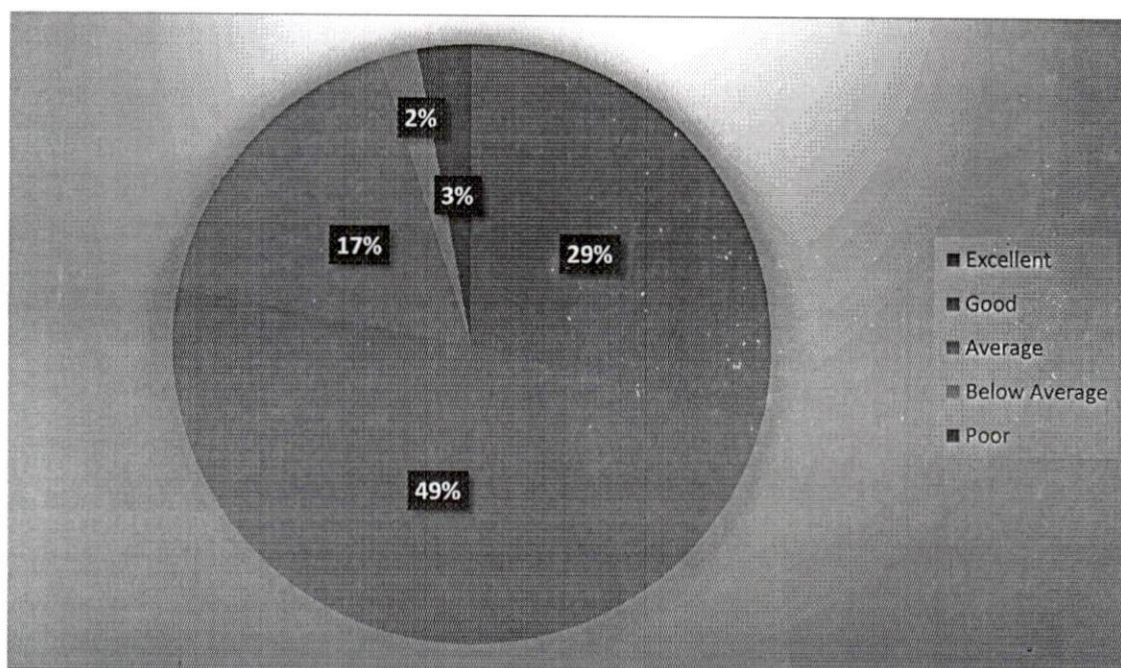
### Employer Feedback on curriculum

Employer Feedback Analysis (2019- 2020) for the M. Tech (Structural Engineering) program.

| S. NO | Question related to Curriculum   | Opinion of the Employer with percentage |          |             |                   |          | Majority opinion | % of Majority Opinion |
|-------|--|---|----------|-------------|-------------------|----------|------------------|-----------------------|
|       |  | Excellent (%)                           | Good (%) | Average (%) | Below Average (%) | Poor (%) |                  |                       |
| 1     | Curriculum is contemporary and need based  | 29                                      | 49       | 17          | 2                 | 3        | Excellent & good | 78%                   |
| 2     | There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum | 28                                      | 47       | 21          | 2                 | 3        | Excellent & good | 75%                   |
| 3     | The electives offered in the curriculum suits the industry needs and technological advancements.         | 31                                      | 48       | 16          | 3                 | 2        | Excellent & good | 79%                   |

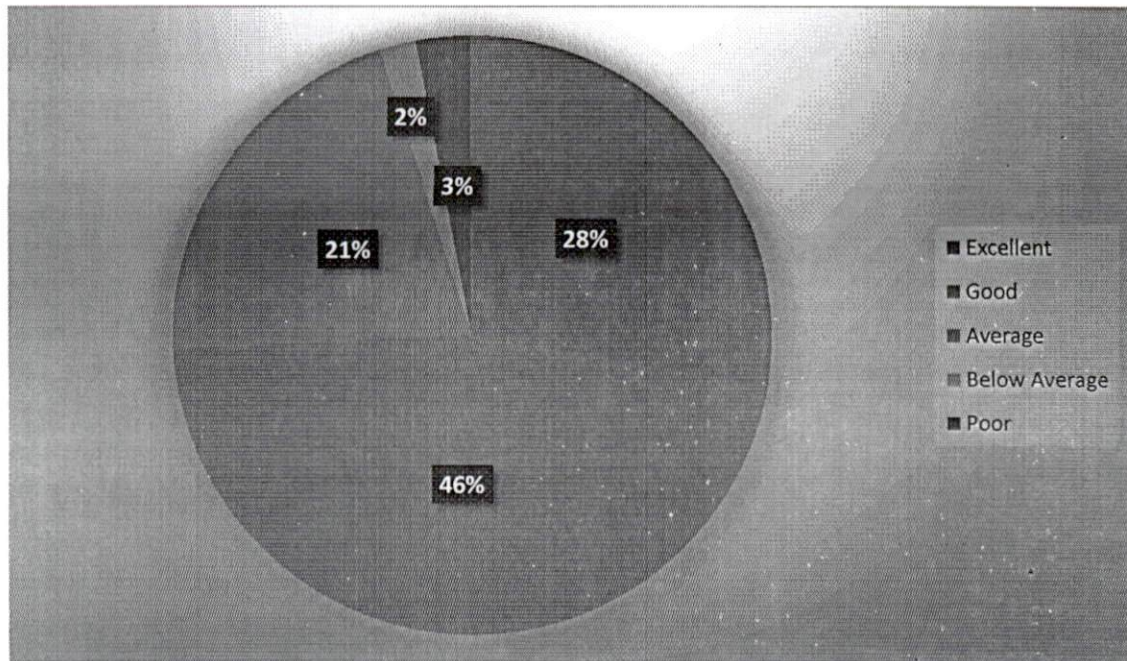
### Graphical representation of Employer feedback analysis

#### 1. Curriculum is contemporary and need based

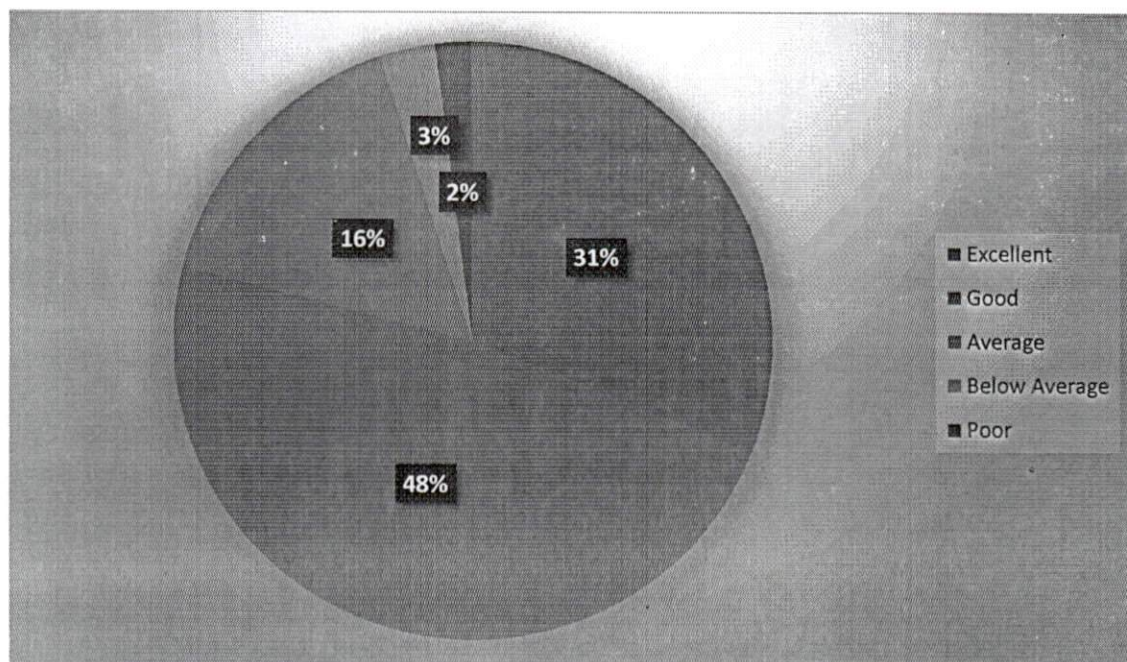




2. There is adequate emphasis on employability skills/ skill development /entrepreneurship in the curriculum



3. The electives offered in the curriculum suits the industry needs and technological advancements.





**Suggest any courses to be added to /removed from the curriculum**

1. Including advanced subjects in the curriculum will be beneficial in this trending domain of structural engineering.
2. Add some trending software courses for structural engineering students.
3. Add Python or java courses in structural engineering.

**Suggest the skills to be acquired by our students to meet the industry requirements**


1. Instead of theoretical knowledge, practical knowledge should be improved.
2. Get a clear understanding on related to design software.
3. Practical experience and industrial visits are frequently required.

**Any other suggestions on Curriculum**

1. Enable students to take part in skill-development programmes so they can stay in the field.
2. You know there are a lot, first try to change the way students think about life and every aspect in it. Bring a course in that aspect.
3. Add some more Skill development programmes in Curriculum.

**The following are observations on Employer feedback and action need to be initiated:**

1. Allow students to participate in skill development programmes to stay in the industry.

  
Head of the Department  
Head of the Department  
Dept. of Civil Engineering  
ADITYA ENGINEERING COLLEGE (A9)



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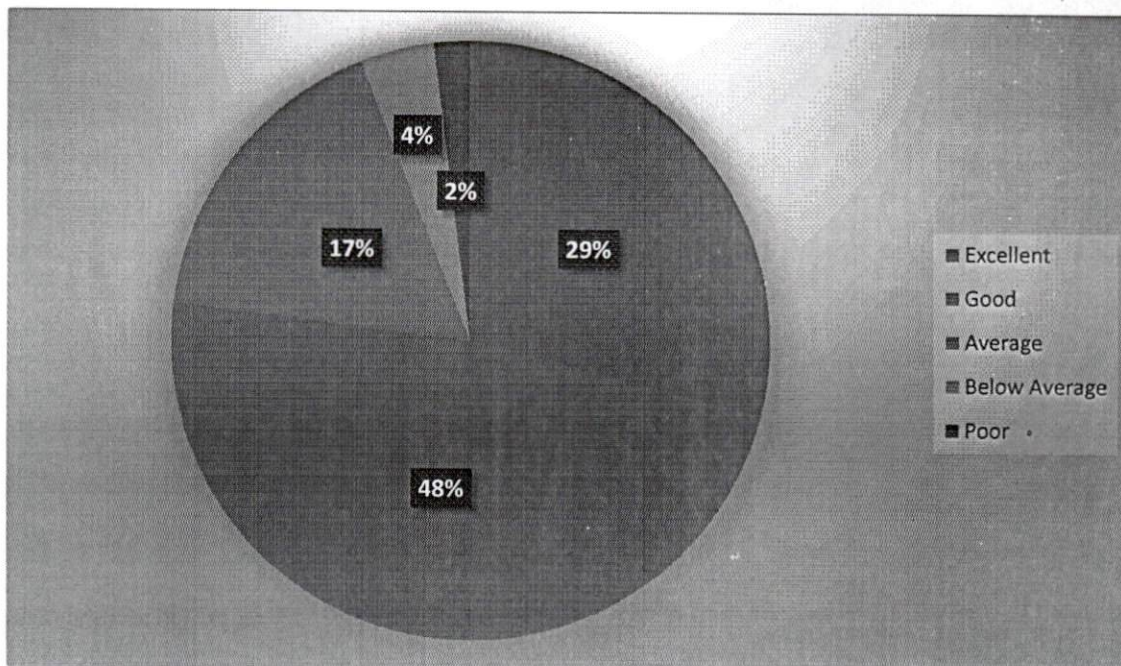
### Alumni Feedback on curriculum

Alumni Feedback Analysis (2019-2020) for the M. Tech (Structural Engineering) program.

| S. NO | Question related to Curriculum   | Opinion of the alumni with percentage |          |             |                   |          | Majority opinion | % of Majority Opinion |
|-------|--|---------------------------------------|----------|-------------|-------------------|----------|------------------|-----------------------|
|       |  | Excellent (%)                         | Good (%) | Average (%) | Below Average (%) | Poor (%) |                  |                       |
| 1     | Curriculum is contemporary and need based  | 29                                    | 48       | 17          | 4                 | 2        | Excellent & good | 77%                   |
| 2     | There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum | 30                                    | 49       | 16          | 3                 | 2        | Excellent & good | 79%                   |
| 3     | The electives offered in the curriculum suits the industry needs and technological advancements.         | 29                                    | 52       | 14          | 3                 | 2        | Excellent & good | 81%                   |

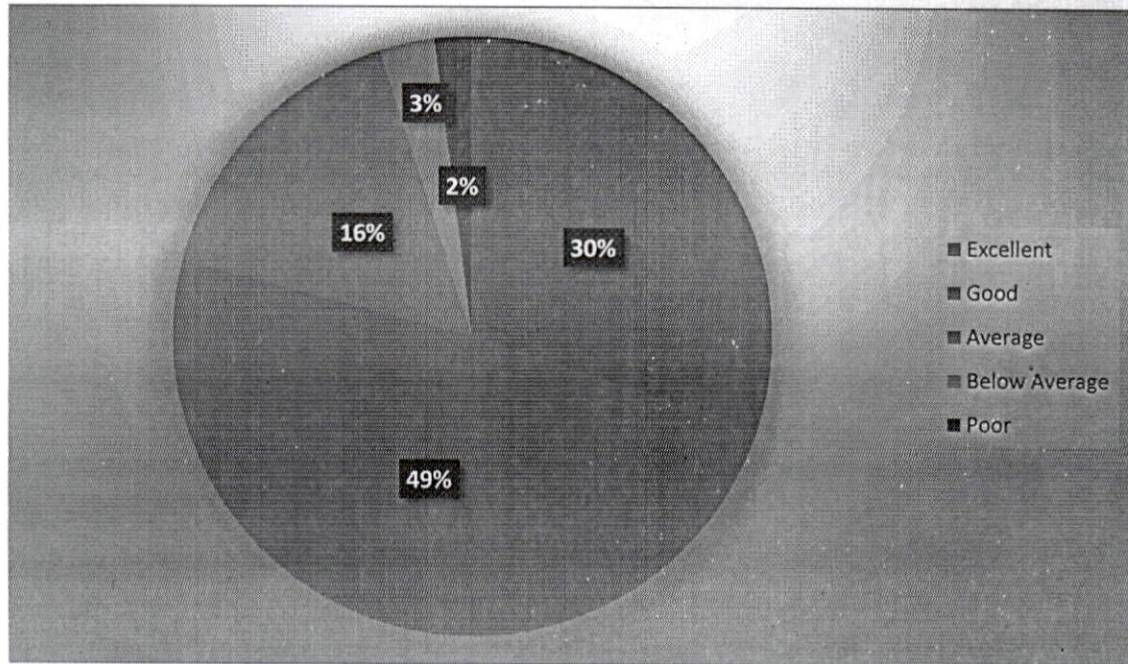
### Graphical representation of Alumni feedback analysis

#### 1. Curriculum is contemporary and need based

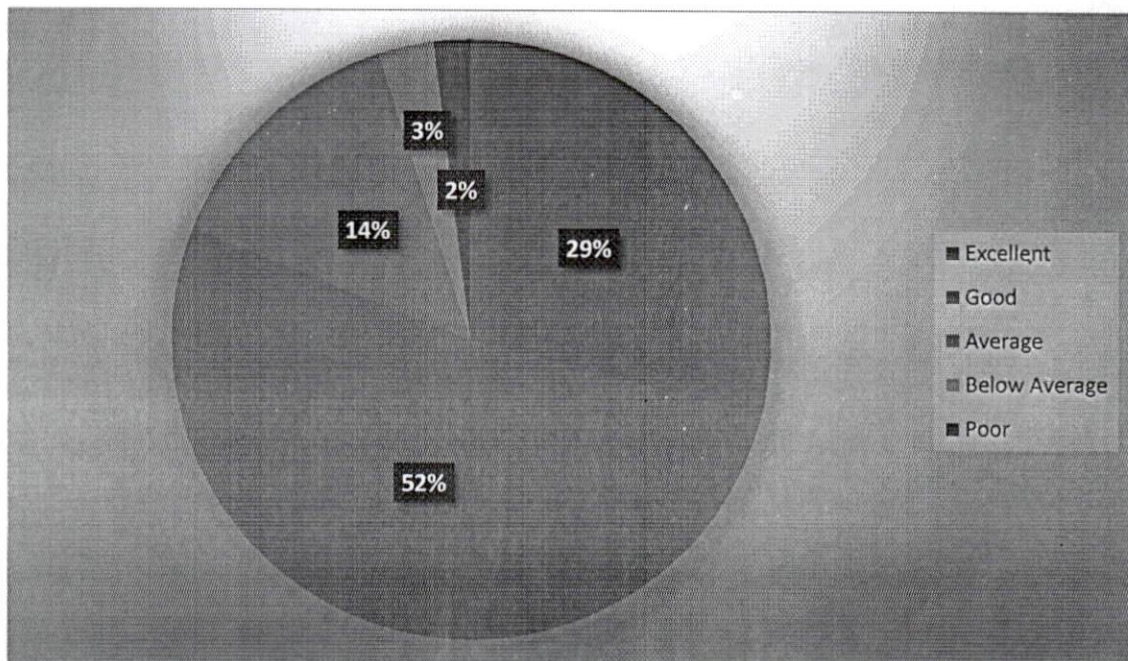




2. There is adequate emphasis on employability skills/ skill development /entrepreneurship in the curriculum



3. The electives offered in the curriculum suits the industry needs and technological advancements.



**Suggest any courses to be added to /removed from the curriculum**

1. Need to add more practical sessions on present day technology and multidisciplinary courses need to be added, course should be updated time to time,
2. It is preferable to include some software-related courses, particularly those relevant to structural engineering, in research studies.
3. Conduct the programme on software's like TEKLA, midas etc.

**Suggest any new topics/technologies/tools/modules to be learned by students to make them industry- ready**

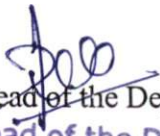
1. Conduct a programme in such a way that technical skills can be improved.
2. Latest courses need to be added like AI, machine learning etc.
3. Increase the duration for project work.

**Give any other suggestions for improving the Curriculum**

1. It is advised to use the most recent software (MATLAB) to help students enhance their skills and prepare them for the workplace.
2. Better to introduce advanced subjects and add more elective subjects.
3. You can incorporate of skill oriented courses.

**The following are observations on Alumni feedback and action need to be initiated:**

1. Suggested to incorporate the latest software(MATLAB) for skill development of students and making them industry ready.

  
Head of the Department  
Head of the Department  
Dept. of Civil Engineering  
ADITYA ENGINEERING COLLEGE (A9)