

**ANALYSIS OF STAKEHOLDER FEEDBACK ON CURRICULUM**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**ACADEMIC YEAR 2021-22**

Feedback form different stakeholders namely Students, Faculty, Alumni and Employers were collected to rate the curriculum. Analysis was performed to identify the opinion and suggestion of stakeholders.

**STUDENTS FEEDBACK ON CURRICULUM**

The students are the most important stakeholders of Higher Education. The support and interest of students at all levels play a key role. Google forms was used for the collection of student feedback on curriculum. The IV, III and II year students studied three curricula namely R15 (JNTU), AK19 (Autonomous) and AK20 (Autonomous) respectively. Individual analysis was carried out for different curricula. Total number of responses received from IV, III and II year students were 83, 83 and 159 respectively. As listed in table 1, ten standard questions were framed on curriculum aspects.

**Table 1: List of questions**

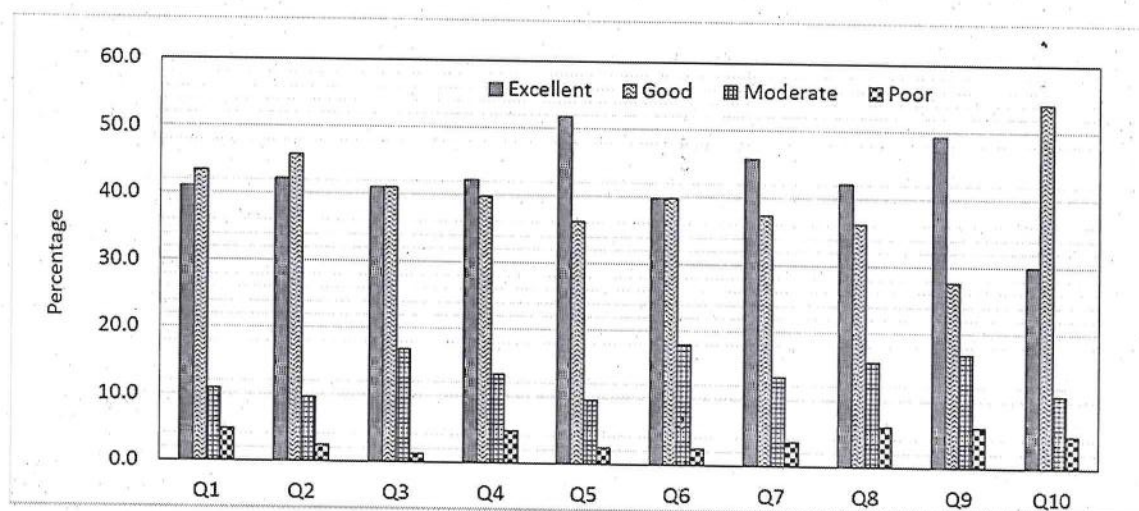
Q No	Questions
Q1	How will you rate the Curriculum in terms of structure, comprehensive, relevance and arrangement?
Q2	How will you rate the Allocations of the hours and credits to the courses?
Q3	How will you rate the relevance of electives to the technological advancements?
Q4	How will you rate the availability of textbooks/reference books as recommended in the syllabus?
Q5	How will you rate the composition of the Courses in terms of Basic Sciences, Engineering Sciences, Humanities, and Core?
Q6	How will you rate the activities such as Guest Lecture and Industrial Visit for bridging the gap between academic and industrial needs?
Q7	How will you rate the relationship of experiments in the lab courses to the real life applications?
Q8	How will you rate the skill development courses in your curriculum ?
Q9	How will you rate the Quality of Internships provided by the Department/ College?
Q10	How will you rate the relevance of courses from the point of employability?

### R15 curriculum

Feedback on R15 curriculum of JNTUA was taken from the final year students. The consolidated analysis of the responses is presented in Table 2 and Figure 1.

**Table 2. Consolidated analysis of R15 curriculum**

Q No	Excellent	Good	Moderate	Poor	Scale of opinion	% of opinion
Q1	41.0	43.4	10.8	4.8	Excellent & good	84.3
Q2	42.2	45.8	9.6	2.4	Excellent & good	88.0
Q3	41.0	41.0	16.9	1.2	Excellent & good	81.9
Q4	42.2	39.8	13.3	4.8	Excellent & good	81.9
Q5	51.8	36.1	9.6	2.4	Excellent & good	88.0
Q6	39.8	39.8	18.1	2.4	Excellent & good	79.5
Q7	45.8	37.3	13.3	3.6	Excellent & good	83.1
Q8	42.2	36.1	15.7	6.0	Excellent & good	78.3
Q9	49.4	27.7	16.9	6.0	Excellent & good	77.1
Q10	30.1	54.2	10.8	4.8	Excellent & good	84.3
<b>Average (%)</b>	<b>42.5</b>	<b>40.1</b>	<b>13.5</b>	<b>3.9</b>		<b>82.7</b>



**Figure 1 Consolidated analysis of R15 curriculum**

From the table 2, it is observed that 43.4 % of the students rated “good” for curriculum in terms of structure, comprehensive, relevance and arrangement. 45.8% of the students rated “good” for the allocations of the hours and credits to the courses. 41 % of the students rated both “excellent” and “good” for the relevance of electives to the technological advancements. 42.2 % of the students rated “excellent” for the availability of textbooks/reference books as recommended in the syllabus. 51.8 % of the students rated “excellent” for the composition of the Courses in terms of Basic Sciences, Engineering Sciences, Humanities, and Core. 39.8 % of the students rated both “excellent” and “good” for the activities such as Guest Lecture and Industrial Visit for bridging the gap between academic and industrial needs. 45.8 % of the



students rated “excellent” for the relationship of experiments in the lab courses to the real life applications. 42.2 % of the students rated “excellent” for skill development courses in your curriculum. 49.4 % of the students rated “excellent” for Quality of Internships provided by the Department/ College. 54.2 % of the students rated “good” for the relevance of courses from the point of employability.

From the analysis, the scale of student’s opinion for all the questions falls in the “excellent” and “good” categories. The average percentage of opinion is found to 82.7 %

The critical suggestions are as follows

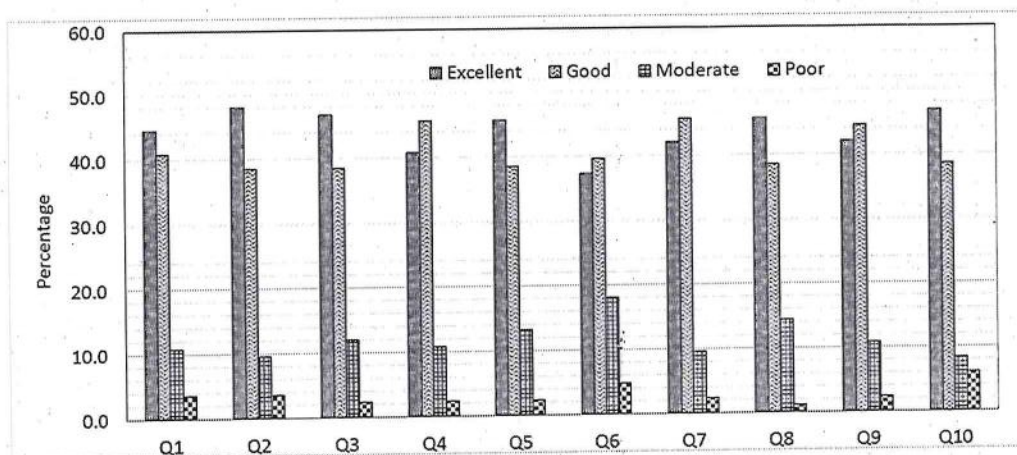
- *Require practical exposure to water resource engineering*
- *Need more understanding on environmental engineering*

### AK19 curriculum

Feedback on AK19 curriculum of AITS (autonomous): was taken form the third year students. The consolidated analysis of the responses is presented in Table 3 and Figure 2.

**Table 3: Consolidated analysis of AK19 curriculum**

Q No	Excellent	Good	Moderate	Poor	Scale of opinion	% of opinion
Q1	44.6	41.0	10.8	3.6	Excellent & good	85.5
Q2	48.2	38.6	9.6	3.6	Excellent & good	86.7
Q3	47.0	38.6	12.0	2.4	Excellent & good	85.5
Q4	41.0	45.8	10.8	2.4	Excellent & good	86.7
Q5	45.8	38.6	13.3	2.4	Excellent & good	84.3
Q6	37.3	39.8	18.1	4.8	Excellent & good	77.1
Q7	42.2	45.8	9.6	2.4	Excellent & good	88.0
Q8	45.8	38.6	14.5	1.2	Excellent & good	84.3
Q9	42.2	44.6	10.8	2.4	Excellent & good	86.7
Q10	47.0	38.6	8.4	6.0	Excellent & good	85.5
<b>Average (%)</b>	<b>44.1</b>	<b>41.0</b>	<b>11.8</b>	<b>3.1</b>		<b>85.1</b>



**Figure 2: Consolidated analysis of AK19 curriculum**

From the table 3, it is observed that 44.6 % of the students rated “excellent” for curriculum in terms of structure, comprehensive, relevance and arrangement. 48.2 % of the students rated “excellent” for the allocations of the hours and credits to the courses. 47 % of the students rated “excellent” for the relevance of electives to the technological advancements. 45.8 % of the students rated “good” for the availability of textbooks/reference books as recommended in the syllabus. 45.8 % of the students rated “excellent” for the composition of the Courses in terms of Basic Sciences, Engineering Sciences, Humanities, and Core. 39.8 % of the students rated “good” for the activities such as Guest Lecture and Industrial Visit for bridging the gap between academic and industrial needs. 45.8 % of the students rated “good” for the relationship of experiments in the lab courses to the real life applications. 45.8 % of the students rated “excellent” for skill development courses in your curriculum. 44.6 % of the students rated “good” for Quality of Internships provided by the Department/ College. 47 % of the students rated “excellent” for the relevance of courses from the point of employability.

From the analysis, the scale of student’s opinion for all the questions falls in the “excellent” and “good” categories. The average percentage of opinion is found to 85.1 %

The critical suggestions are as follows

- *Provide real time experience to concrete production*
- *Conduct technical competition*

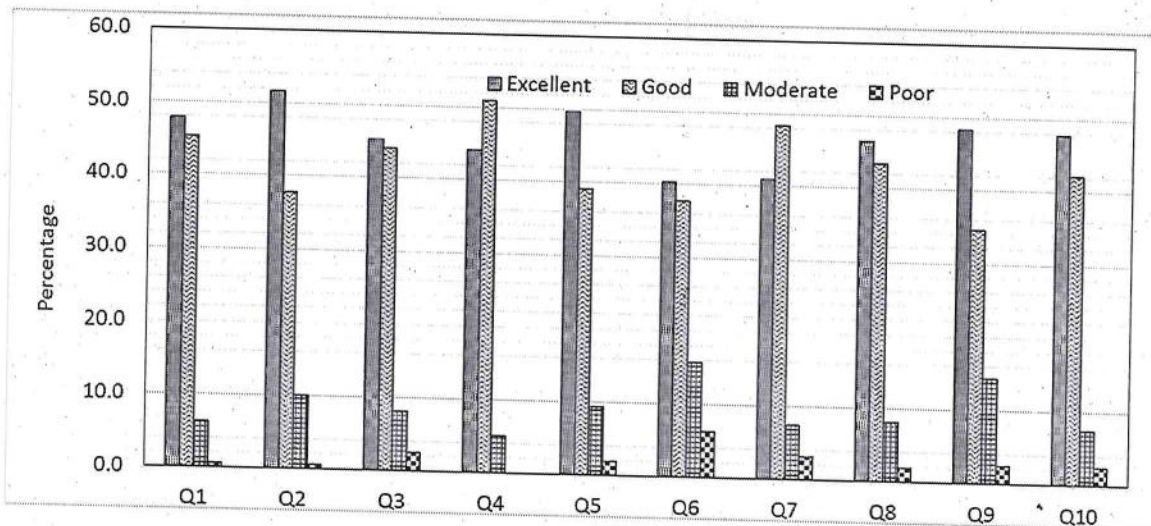
#### AK20 curriculum

Feedback on AK20 curriculum of AITS (autonomous) was taken form the second year students. The consolidated analysis of the responses is presented in Table 4 and Figure 3.

**Table 4: Consolidated analysis of AK20 curriculum**

Q No	Excellent	Good	Moderate	Poor	Scale of opinion	% of opinion
Q1	47.8	45.3	6.3	0.6	Excellent & good	93.1
Q2	51.6	37.7	10.1	0.6	Excellent & good	89.3
Q3	45.3	44.0	8.2	2.5	Excellent & good	89.3
Q4	44.0	50.9	5.0	0.0	Excellent & good	95.0
Q5	49.7	39.0	9.4	1.9	Excellent & good	88.7
Q6	40.3	37.7	15.7	6.3	Excellent & good	78.0
Q7	40.9	48.4	7.5	3.1	Excellent & good	89.3
Q8	46.5	43.4	8.2	1.9	Excellent & good	89.9
Q9	48.4	34.6	14.5	2.5	Excellent & good	83.0
Q10	47.8	42.1	7.5	2.5	Excellent & good	89.9
<b>Average (%)</b>	<b>46.2</b>	<b>42.3</b>	<b>9.2</b>	<b>2.2</b>		<b>88.6</b>





**Figure 3: Consolidated analysis of AK 20 curriculum**

From the table 4, it is observed that 47.8 % of the students rated “excellent” for curriculum in terms of structure, comprehensive, relevance and arrangement. 51.6 % of the students rated “excellent” for the allocations of the hours and credits to the courses. 45.3 % of the students rated “excellent” for the relevance of electives to the technological advancements. 50.9 % of the students rated “good” for the availability of textbooks/reference books as recommended in the syllabus. 49.7 % of the students rated “excellent” for the composition of the Courses in terms of Basic Sciences, Engineering Sciences, Humanities, and Core. 40.3 % of the students rated “excellent” for the activities such as Guest Lecture and Industrial Visit for bridging the gap between academic and industrial needs. 48.4 % of the students rated “good” for the relationship of experiments in the lab courses to the real life applications. 46.5 % of the students rated “excellent” for skill development courses in your curriculum. 48.4 % of the students rated “excellent” for Quality of Internships provided by the Department/ College. 47.8 % of the students rated “excellent” for the relevance of courses from the point of employability.

From the analysis, the scale of student’s opinions for all the question falls in the “excellent” and “good” categories. The average percentage of opinion is found to 88.6 %

The critical suggestion is as follows

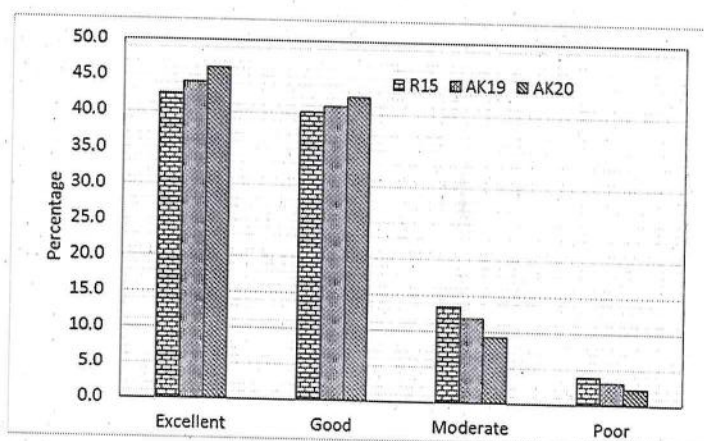
- *Increase the number of hours for problematic subjects*

### Overall Analysis on Students feedback on different curricula

Overall, the percentage of ratings in the academic year 2021-2022 by students for different curricula such as R15, AK19 and AK20 are presented in table 5 and Figure 4.

**Table 5: Comparison of different curricula**

Curriculum	Excellent	Good	Moderate	Poor	% of opinion
R15	42.5	40.1	13.5	3.9	82.7
AK19	44.1	41.0	11.8	3.1	85.1
AK20	46.2	42.3	9.2	2.2	88.6



**Figure 4: Overall analysis for different curricula in 2021-22**

In R15 curriculum, the average rating for excellent, good, moderate and poor categories is 42.5%, 40.1 %, 13.5% and 3.9% respectively. In AK19 curriculum, the average rating for excellent, good, moderate and poor is 44.1%, 41 %, 11.8% and 3.1% respectively. In AK20 curriculum, the average rating for excellent, good, moderate and poor categories is 46.2%, 42.3 %, 9.2 % and 2.2% respectively. The “% of opinion” for R15, AK19 and AK20 curricula are 82.7 %, 85.1 % and 88.6 % respectively. It is inferred that the rating for latest curriculum (AK20) by the students are better than R15 and AK19 curricula in all the questionnaires. The introduction of the new curriculum (AK20) is satisfactory for the students.



## TEACHERS FEEDBACK ON CURRICULUM

Teachers' feedback is an important parameter for quality improvement of the curriculum and the quality of the student in an institution. Google forms was used for the collection of teacher feedback on curriculum. The teachers were asked to rate the R15 (JNTU), AK19 (Autonomous) and AK20 (Autonomous) curricula. Feedback was collected from 31 teachers. Individual analysis was carried out for different curricula. As listed in table 6, ten standard questions were asked for the responses from the teachers.

**Table 6: List of questions**

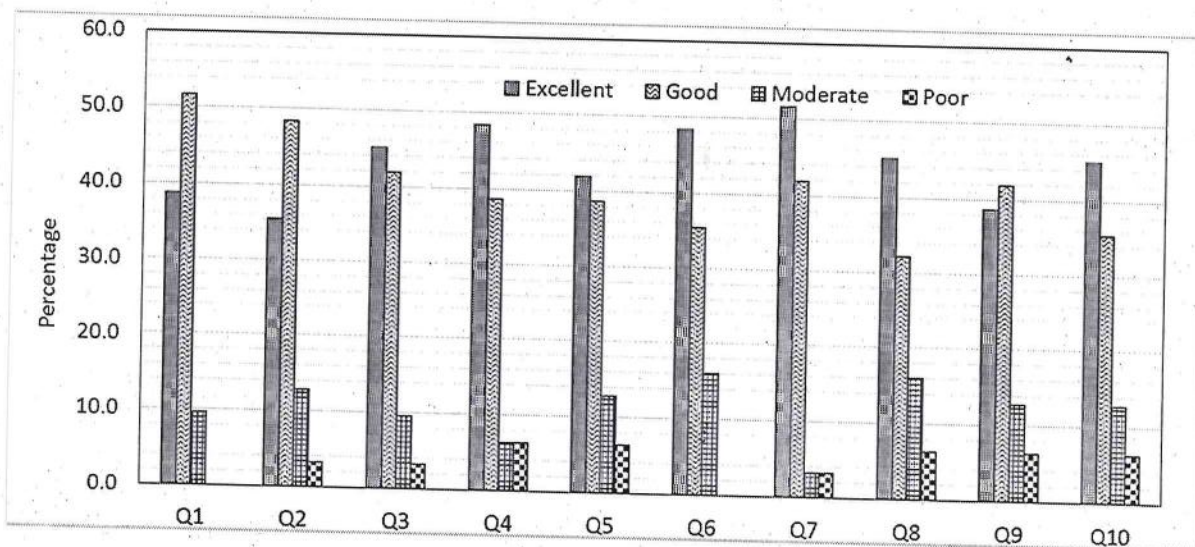
Q No	Questions
Q1	How will you rate the Curriculum in terms of structure, comprehensive, relevance and arrangement?
Q2	How will you rate the Allocations of the hours and credits to the courses?
Q3	How will you rate the relevance of electives to the technological advancements?
Q4	How will you rate the availability of textbooks/reference books as recommended in the syllabus?
Q5	How will you rate the composition of the Courses in terms of Basic Sciences, Engineering Sciences, Humanities, and Core?
Q6	How will you rate the activities such as Guest Lecture and Industrial Visit for bridging the gap between academic and industrial needs?
Q7	How will you rate the relationship of experiments in the lab courses to the real life applications?
Q8	How will you rate the skill development courses in your curriculum?
Q9	How will you rate the Quality of Internships provided by the Department/ College?
Q10	How will you rate the relevance of courses from the point of employability?

### R15 curriculum

Google form was used to collect the feedback from the teachers for the R15 curriculum of JNTUA. The consolidated analysis of the responses is presented in Table 7 and Figure 5.

**Table 7. Consolidated analysis of R15 curriculum**

Q No	Excellent	Good	Moderate	Poor	Scale of opinion	% of opinion
Q1	38.7	51.6	9.7	0.0	Excellent & good	90.3
Q2	35.5	48.4	12.9	3.2	Excellent & good	83.9
Q3	45.2	41.9	9.7	3.2	Excellent & good	87.1
Q4	48.4	38.7	6.5	6.5	Excellent & good	87.1
Q5	41.9	38.7	12.9	6.5	Excellent & good	80.6
Q6	48.4	35.5	16.1	0.0	Excellent & good	83.9
Q7	51.6	41.9	3.2	3.2	Excellent & good	93.5
Q8	45.2	32.3	16.1	6.5	Excellent & good	77.4
Q9	38.7	41.9	12.9	6.5	Excellent & good	80.6
Q10	45.2	35.5	12.9	6.5	Excellent & good	80.6
<b>Average (%)</b>	<b>43.9</b>	<b>40.6</b>	<b>11.3</b>	<b>4.2</b>		<b>84.5</b>



**Figure 5 Consolidated analysis of R15 curriculum**

From the table 7, it is observed that 51.6 % of the teachers rated “good” for curriculum in terms of structure, comprehensive, relevance and arrangement. 48.4% of the teachers rated “good” for the allocations of the hours and credits to the courses. 45.2 % of the teachers rated “excellent” for the relevance of electives to the technological advancements. 48.4 % of the teachers rated “excellent” for the availability of textbooks/reference books as recommended in the syllabus. 41.9 % of the teachers rated “excellent” for the composition of the Courses in terms of Basic Sciences, Engineering Sciences, Humanities, and Core. 48.4 % of the teachers rated “excellent” for the activities such as Guest Lecture and Industrial Visit for bridging the gap between academic and industrial needs. 51.6 % of the teachers rated “excellent” for the relationship of experiments in the lab courses to the real life applications. 45.2 % of the teachers rated “excellent” for skill development courses in your curriculum. 41.9 % of the teachers rated “good” for Quality of Internships provided by the Department/ College. 45.2 % of the teachers rated “excellent” for the relevance of courses from the point of employability.

From the analysis, the scale of teacher’s opinion for all the questions falls in the “excellent” and “good” categories. The average percentage of opinion is found to 84.5 %

The critical suggestions are as follows

- *Add advance courses such as Engineering materials and sustainability and intelligent transport system.*
- *Upgrade the existing courses such as water resource engineering-II and rehabilitation and retrofitting of structures*

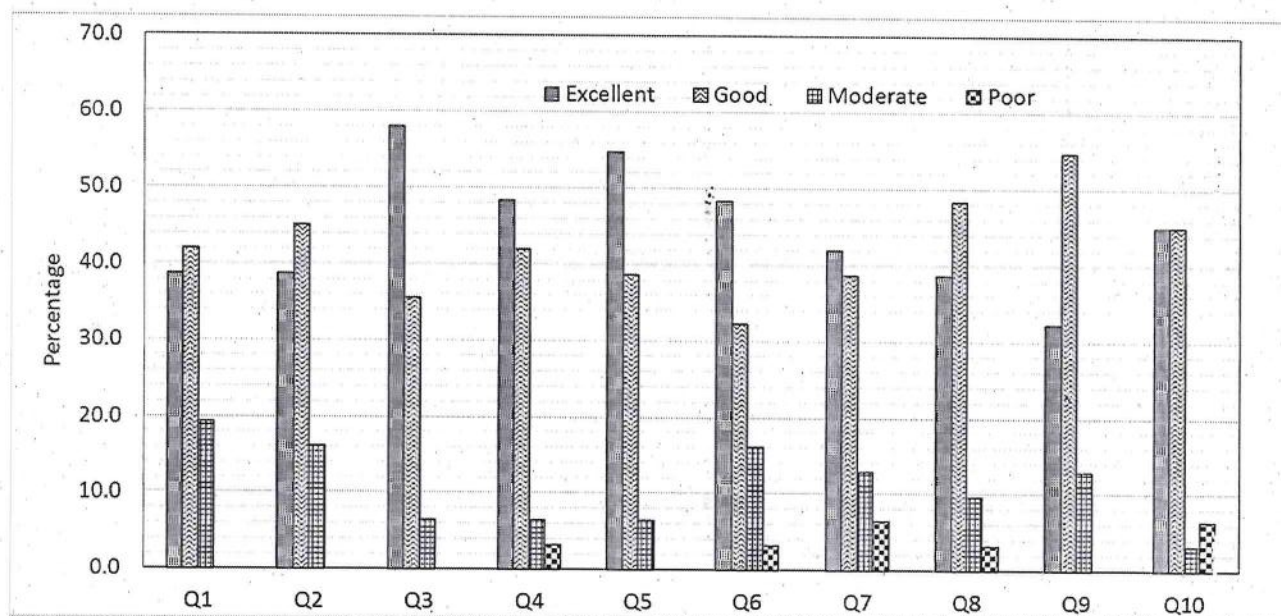


### AK19 curriculum

Google form was used to collect the feedback from the teachers for AK19 curriculum of AITS (autonomous). The consolidated analysis of the responses is presented in Table 8 and Figure 6.

**Table 8: Consolidated analysis of AK19 curriculum**

Q No	Excellent	Good	Moderate	Poor	Scale of opinion	% of opinion
Q1	38.7	41.9	19.4	0.0	Excellent & good	80.6
Q2	38.7	45.2	16.1	0.0	Excellent & good	83.9
Q3	58.1	35.5	6.5	0.0	Excellent & good	93.5
Q4	48.4	41.9	6.5	3.2	Excellent & good	90.3
Q5	54.8	38.7	6.5	0.0	Excellent & good	93.5
Q6	48.4	32.3	16.1	3.2	Excellent & good	80.6
Q7	41.9	38.7	12.9	6.5	Excellent & good	80.6
Q8	38.7	48.4	9.7	3.2	Excellent & good	87.1
Q9	32.3	54.8	12.9	0.0	Excellent & good	87.1
Q10	45.2	45.2	3.2	6.5	Excellent & good	90.3
<b>Average (%)</b>	<b>44.5</b>	<b>42.3</b>	<b>11.0</b>	<b>2.3</b>		<b>86.8</b>



**Figure 6: Consolidated analysis of AK19 curriculum**

From the table 8, it is observed that 41.9 % of the teachers rated “good” for Curriculum in terms of structure, comprehensive, relevance and arrangement. 45.2% of the teachers rated “good” for the allocations of the hours and credits to the courses. 58.1 % of the teachers rated “excellent” for the relevance of electives to the technological advancements. 48.4 % of the teachers rated “excellent” for the availability of textbooks/reference books as recommended in the syllabus. 54.8 % of the teachers rated “excellent” for the composition of the Courses in

terms of Basic Sciences, Engineering Sciences, Humanities, and Core. 48.4 % of the teachers rated “excellent” for the activities such as Guest Lecture and Industrial Visit for bridging the gap between academic and industrial needs. 41.9 % of the teachers rated “excellent” for the relationship of experiments in the lab courses to the real life applications. 48.4 % of the teachers rated “good” for skill development courses in your curriculum. 54.8 % of the teachers rated “good” for Quality of Internships provided by the Department/ College. 45.2 % of the teachers rated “excellent” and “good” for the relevance of courses from the point of employability.

From the analysis, the scale of teacher’s opinion for all the questions falls in the “excellent” and “good” categories. The average percentage of opinion is found to 86.8 %

The critical observation is as follows

*Add courses to improve the technical skills*

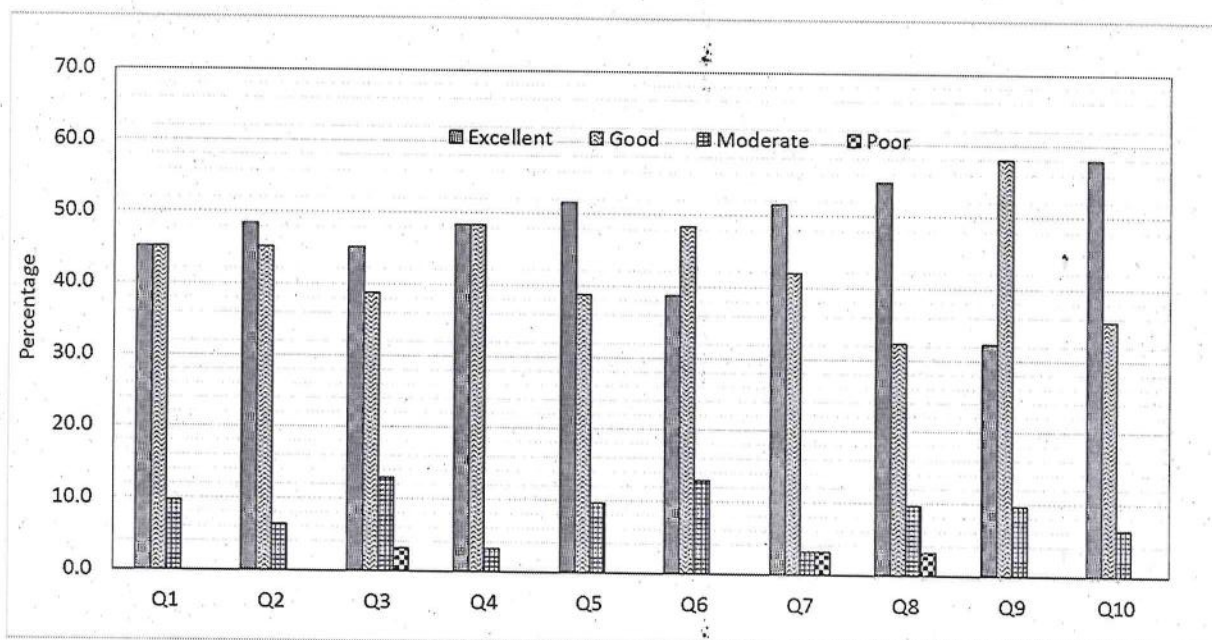
### AK20 curriculum

Google form was used to collect the feedback from the teachers for AK20 curriculum of AITS (autonomous). The consolidated analysis of the responses is presented in Table 9 and Figure 7.

**Table 9: Consolidated analysis of AK20 curriculum**

Q No	Excellent	Good	Moderate	Poor	Scale of opinion	% of opinion
Q1	45.2	45.2	9.7	0.0	Excellent & good	90.3
Q2	48.4	45.2	6.5	0.0	Excellent & good	93.5
Q3	45.2	38.7	12.9	3.2	Excellent & good	83.9
Q4	48.4	48.4	3.2	0.0	Excellent & good	96.8
Q5	51.6	38.7	9.7	0.0	Excellent & good	90.3
Q6	38.7	48.4	12.9	0.0	Excellent & good	87.1
Q7	51.6	41.9	3.2	3.2	Excellent & good	93.5
Q8	54.8	32.3	9.7	3.2	Excellent & good	87.1
Q9	32.3	58.1	9.7	0.0	Excellent & good	90.3
Q10	58.1	35.5	6.5	0.0	Excellent & good	93.5
<b>Average (%)</b>	<b>47.4</b>	<b>43.2</b>	<b>8.4</b>	<b>1.0</b>		<b>90.6</b>





**Figure 7: Consolidated analysis of AK 20 curriculum**

From the table 9, it is observed that 45.2 % of the teachers rated “excellent” and “good” for curriculum in terms of structure, comprehensive, relevance and arrangement. 48.4 % of the teachers rated “excellent” for the allocations of the hours and credits to the courses. 45.2 % of the teachers rated “excellent” for the relevance of electives to the technological advancements. 48.4 % of the teachers rated “excellent” and “good” for the availability of textbooks/reference books as recommended in the syllabus. 51.6 % of the teachers rated “excellent” for the composition of the Courses in terms of Basic Sciences, Engineering Sciences, Humanities, and Core. 48.4 % of the teachers rated “excellent” for the activities such as Guest Lecture and Industrial Visit for bridging the gap between academic and industrial needs. 51.6 % of the teachers rated “excellent” for the relationship of experiments in the lab courses to the real life applications. 54.8 % of the teachers s rated “excellent” for skill development courses in your curriculum. 58.1 % of the teachers rated “good” for Quality of Internships provided by the Department/College. 58.1 % of the teachers rated “excellent” for the relevance of courses from the point of employability.

From the analysis, the scale of teacher’s opinion for all the questions falls in the “excellent” and “good” categories. The average percentage of opinion is found to 90.6 %

The critical suggestion is as follows

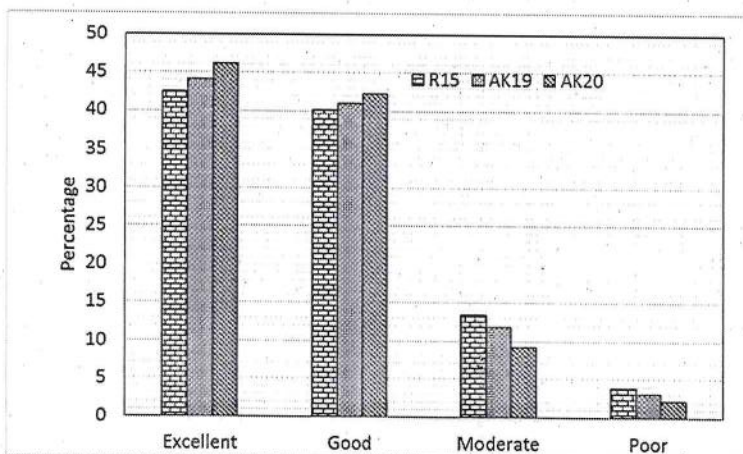
*Suggested to undergo certified training courses for students*

#### **Overall Analysis on teachers feedback on different curricula**

Overall, the percentage of ratings in academic year 2021-2022 by teachers for different curricula such as R15, AK19 and AK20 are presented in Table 10 and Figure 8.

**Table 10: Comparison of different curricula**

Curriculum	Excellent	Good	Moderate	Poor	% of opinion
R15	43.9	40.6	11.3	4.2	84.5
AK19	44.5	42.3	11.0	2.3	86.8
AK20	47.4	43.2	8.4	1.0	90.6



**Figure 8: Overall analysis for different curricula in 2021-22**

In R15 curriculum, the average rating for excellent, good, moderate and poor is 43.9%, 40.6 %, 11.3% and 4.2% respectively. In AK19 curriculum, the average rating for excellent, good, moderate and poor is 44.5%, 42.3%, 11.0% and 2.3% respectively. In AK20 curriculum, the average rating for excellent, good, moderate and poor is 47.4%, 43.2 %, 8.4 % and 1% respectively. The “% of opinion” for R15, AK19 and AK20 curricula are 84.5 %, 86.8 % and 90.6.6 % respectively. It is inferred that the rating for latest curriculum (AK20) by the teachers are better than R15 and AK19 curricula in all the questionnaires. The introduction of the new curriculum (AK20) is satisfactory for the teachers.



## ALUMNI FEEDBACK ON CURRICULUM

Our alumni feedback is valuable for us by providing valuable inputs regarding employability of our students. Offline mode was followed to collect the alumni feedback in the academic year 2021-22. Total number of responses received from the alumni's are 15. As listed in Table 11, eight standard questions were asked for the responses from the alumni.

**Table 11: List of questions**

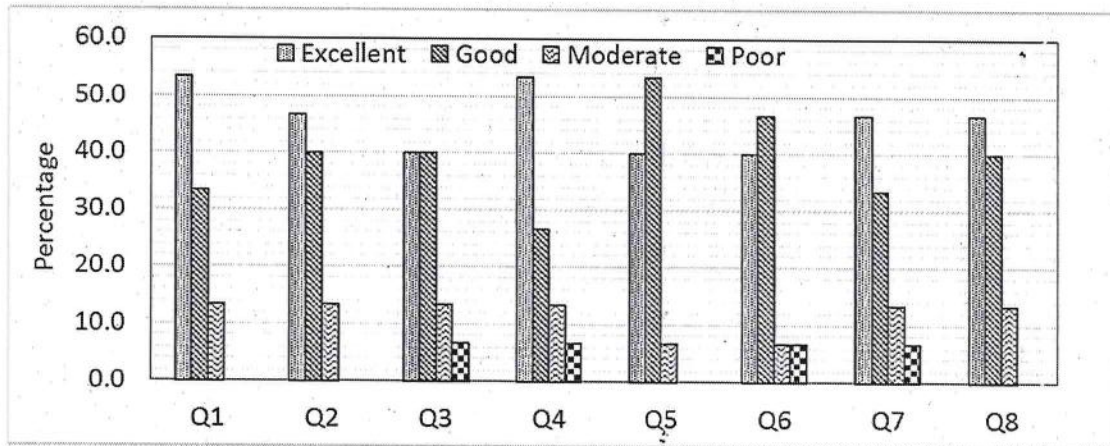
Q No	Questions
Q1	How will you rate the Curriculum in terms of structure, comprehensive, relevance and arrangement?
Q2	How will you rate the relevance of electives to the technological advancements?
Q3	How will you rate the composition of the Courses in terms of Basic Sciences, Engineering Sciences, Humanities, and Core?
Q4	How will you rate the activities such as Guest Lecture and Industrial Visit for bridging the gap between academic and industrial needs?
Q5	How will you rate the relationship of experiments in the lab courses to the real life applications?
Q6	How will you rate the skill development courses in your curriculum?
Q7	How will you rate the Quality of Internships provided by the Department/ College?
Q8	How will you rate the relevance of courses from the point of employability?

### R15 curriculum

Feedback from the alumni was collected for the R15 curriculum of JNTUA. The consolidated analysis of the responses is presented in Table 12 and Figure 9.

**Table 12. Consolidated analysis of R15 curriculum**

Q No	Excellent	Good	Moderate	Poor	Scale of opinion	% of opinion
Q1	53.3	33.3	13.3	0.0	Excellent & good	86.7
Q2	46.7	40.0	13.3	0.0	Excellent & good	86.7
Q3	40.0	40.0	13.3	6.7	Excellent & good	80.0
Q4	53.3	26.7	13.3	6.7	Excellent & good	80.0
Q5	40.0	53.3	6.7	0.0	Excellent & good	93.3
Q6	40.0	46.7	6.7	6.7	Excellent & good	86.7
Q7	46.7	33.3	13.3	6.7	Excellent & good	80.0
Q8	46.7	40.0	13.3	0.0	Excellent & good	86.7
<b>Average (%)</b>	<b>45.8</b>	<b>39.2</b>	<b>11.7</b>	<b>3.3</b>		<b>85.0</b>



**Figure 9 Consolidated analysis of R15 curriculum**

From the table 12, it is observed that 53.3 % of the alumni rated “excellent” for Curriculum in terms of structure, comprehensive, relevance and arrangement. 46.7% of the alumni rated “excellent” for the relevance of electives to the technological advancements. 40 % of the alumni rated “excellent” and “good” for the composition of the Courses in terms of Basic Sciences, Engineering Sciences, Humanities, and Core. 53.3 % of the alumni rated “excellent” for the activities such as Guest Lecture and Industrial Visit for bridging the gap between academic and industrial needs. 53.3 % of the alumni rated “good” for the relationship of experiments in the lab courses to the real life applications. 46.7 % of the alumni rated “good” for skill development courses in your curriculum. 46.7 % of the alumni rated “excellent” for Quality of Internships provided by the Department/ College. 46.7 % of the alumni rated “excellent” for the relevance of courses from the point of employability.

From the analysis, the scale of alumni opinion for all the questions falls in the “excellent” and “good” categories. The average percentage of opinion is found to 85 %

The critical suggestion is as follows

- *Expose to advance structural design softwares.*



## EMPLOYER FEEDBACK ON CURRICULUM

Employer feedback is the most important determinant to evaluate the curriculum from the point of quality graduates. Offline system was used to collect the employer feedback for the academic year 2021-22. Four employers participated to rate the curriculum. Table 13 presents the list of questions.

**Table 13: List of questions**

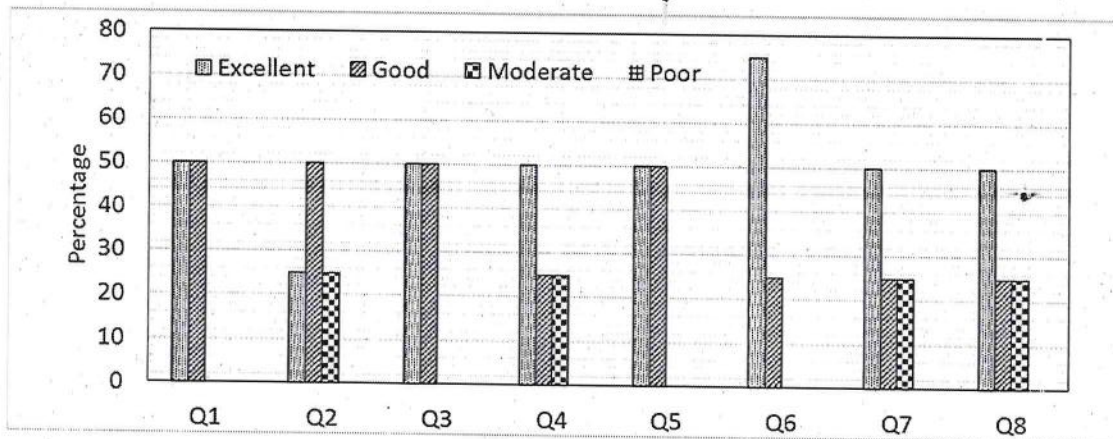
Q No	Questions
Q1	How will you rate the Curriculum in terms of structure, comprehensive, relevance and arrangement?
Q2	How will rate the exposure of curriculum to relevant softwares
Q3	How will you rate the relevance of electives to the technological advancements?
Q4	How will you rate the practical exposure of graduate to undertake real time projects?
Q5	How will you rate the composition of the courses in terms of Basic Sciences, Engineering Sciences, Humanities, and Core?
Q6	How will you rate the presence of analytical / problem solving / critical thinking / innovative skills in the courses?
Q7	How will you rate the quality of internships undergone by the students?
Q8	How will you rate the relevance of courses from the point of employability?

### R15 curriculum

Feedback from the employers was collected for the R15 curriculum of JNTUA. The consolidated analysis of the responses is presented in Table 14 and Figure 10.

**Table 14. Consolidated analysis of R15 curriculum**

Q No	Excellent	Good	Moderate	Poor	Scale of opinion	% of opinion
Q1	50	50	0	0	Excellent & good	100.0
Q2	25	50	25	0	Excellent & good	75.0
Q3	50	50	0	0	Excellent & good	100.0
Q4	50	25	25	0	Excellent & good	75.0
Q5	50	50	0	0	Excellent & good	100.0
Q6	75	25	0	0	Excellent & good	100.0
Q7	50	25	25	0	Excellent & good	75.0
Q8	50	25	25	0	Excellent & good	75.0
<b>Average (%)</b>	<b>50</b>	<b>37.5</b>	<b>12.5</b>	<b>0</b>		<b>87.5</b>



**Figure 10 Consolidated analysis of R15 curriculum**

From the table 14, it is observed that 50 % of the employers rated “excellent” and “good” for curriculum in terms of structure, comprehensive, relevance and arrangement. 50% of the employers rated “good” for the exposure of curriculum to relevant softwares. 50 % of the employers rated “excellent” and “good” for the relevance of electives to the technological advancements. 50 % of the employers rated “excellent” for the practical exposure of graduate to undertake real time projects. 50 % of the employers rated “excellent” and “good” for the composition of the courses in terms of Basic Sciences, Engineering Sciences, Humanities, and Core. 75 % of the employers rated “excellent” for the presence of analytical / problem solving / critical thinking / innovative skills in the courses. 50 % of the employers rated “excellent” for the quality of internships undergone by the students. 50 % of the employers rated “excellent” for the relevance of courses from the point of employability.

From the analysis, the scale of employers opinion for all the questions falls in the “excellent” and “good” categories. The average percentage of opinion is found to 87.5 %

The critical suggestion is as follows

*Include courses to meet the construction company needs*

*K. V. Srinivasan*  
**Feedback Coordinator**