DEPARTMENT OF CIVIL ENGINEERING
FEEDBACK ON CURRICULUM
ANALYSIS
ACADEMIC YEAR 2017-18

Feedback from different stakeholders namely students, teachers, alumni and employers were collected to rate the curricula of R13 and R15. Analysis was performed to identify the opinion and suggestion of the stakeholders.

STUDENTS FEEDBACK ON CURRICULUM

As listed in Table 1, seven questions were given to students to rate R13 and R15 curricula.

Table 1: List of Questions

Q No	Questions
Q1	How is the Syllabus to understand and to study?
Q2	How do you rate the distribution of the contact hours among the course components (L-T-P)?
Q3	How do you rate the electives offered in relation to the Technological advancements?
Q4	How do you rate the relevance of the Text Books and reference books by their International recognition to the Courses?
Q5	How do you rate the composition of the courses in terms of Basic science, Engineering science, Humanities, core?
Q6	How do you rate the percentage of courses having LAB components?
Q7	How do you rate the experiments in relation to the real life Applications?

R13 curriculum- Students

Total number of responses received from the students for R13 (JNTUA) curriculum was 18. The consolidated analysis of the responses is presented in Table 2 and Figure 1.

Table 2: Analysis of R15 curriculum by students

Q No	Excellent	Good	Moderate	Poor
Q1	38.9	44.4	11.1	5.6
Q2	50.0	33.3	11.1	5.6
Q3	33.3	50.0	5.6	11.1
Q4	27.8	55.6	11.1	5.6
Q5	33.3	33.3	22.2	11.1
Q6	22.2	44.4	11.1	22.2
Q7	27.8	44.4	16.7	11.1
Average (%)	**23.3**	**30.6**	**8.9**	**7.2**

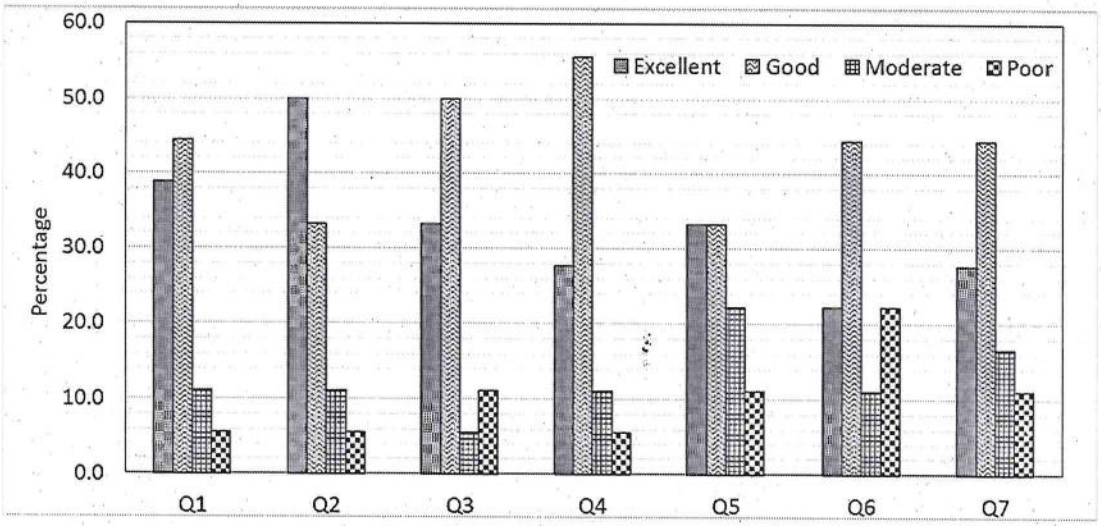

Figure 1: Analysis of R13 curriculum by students

The critical suggestions is as follows

- *Require guest lectures on advancement in Civil Engineering*

R15 curriculum- Students

Total number of responses received from the students for R15 (JNTUA) curriculum was 20. The consolidated analysis of the responses is presented in Table 3 and Figure 2.

Table 3: Analysis of R15 curriculum by students

Q No	Excellent	Good	Moderate	Poor
Q1	30.0	30.0	25.0	15.0
Q2	30.0	40.0	20.0	10.0
Q3	25.0	45.0	30.0	0.0
Q4	40.0	35.0	25.0	0.0
Q5	25.0	40.0	25.0	10.0
Q6	35.0	35.0	20.0	10.0
Q7	40.0	40.0	10.0	10.0
Average (%)	**22.5**	**26.5**	**15.5**	**5.5**

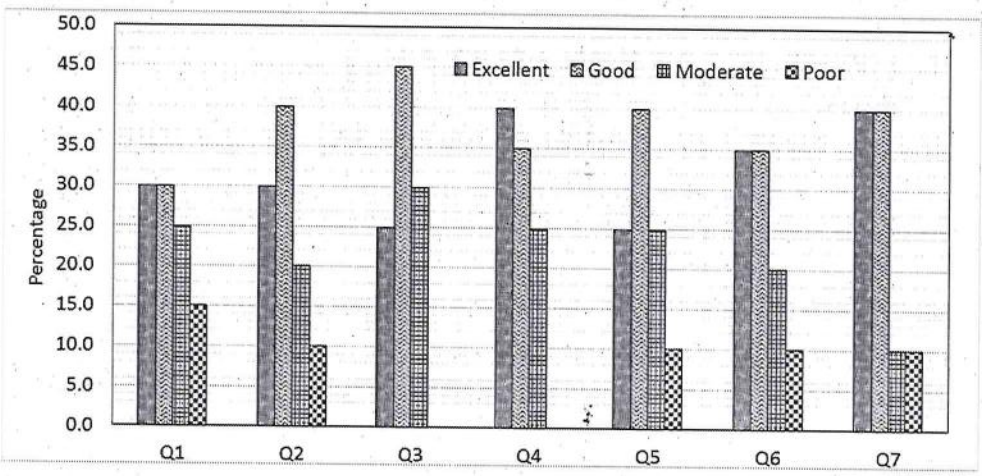

Figure 2: Analysis of R15 curriculum by students

The critical suggestions is as follows

- *Require training on building drafting software*
- *Want Technical fest*

TEACHER'S FEEDBACK ON CURRICULUM

As listed in Table 4, seven questions were given to teacher to rate R13 and R15 curricula.

Table 4: List of Questions

Q No	Questions
Q1	Board of studies is taking care to ensure the prevalence and relevance of the programme offering.
Q2	The curriculum has been updated from time to time.
Q3	Whether the syllabus was helpful for developing soft skills.
Q4	Does the syllabus address to cross cutting issues such as Environment, Gender and Human rights.
Q5	The course/ syllabus has good balance between theory and applications.
Q6	Course content is followed by corresponding reference materials.
Q7	Employability is given weightage in curriculum design and development.

R13 curriculum-Teachers

Total number of responses received from the teachers for R13 curriculum was 26. The consolidated analysis of the responses is presented in Table 5 and Figure 3.

Table 5: Analysis of R13 curriculum by teachers

Q No	Excellent	Good	Moderate	Poor
Q1	38.5	46.2	7.7	7.7
Q2	46.2	38.5	7.7	7.7
Q3	42.3	57.7	0.0	0.0
Q4	30.8	57.7	7.7	3.8
Q5	30.8	50.0	15.4	7.7
Q6	46.2	38.5	15.4	0.0
Q7	42.3	46.2	7.7	3.8
Average (%)	**39.3**	**47.5**	**8.7**	**4.4**

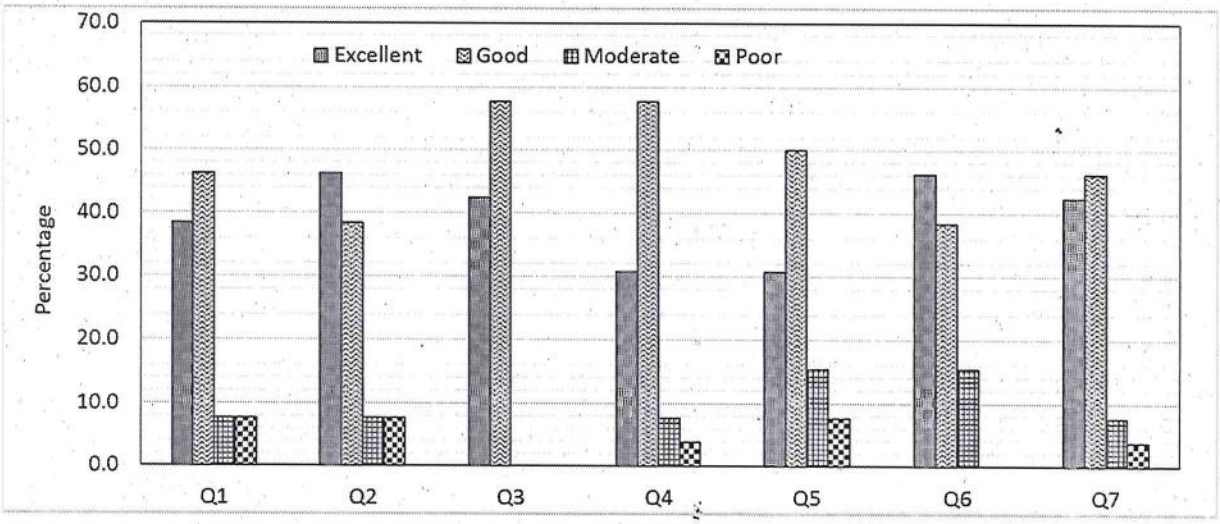

Figure 3: Analysis of R13 curriculum by teachers

The critical suggestion is as follows

- *Add new course related mathematical problem solution in civil engineering (Finite element methods)*

R15 curriculum-Teachers

Total number of responses received from the teachers for R15 curriculum was 26. The consolidated analysis of the responses is presented in Table 6 and Figure 4.

Table 6: Analysis of R15 curriculum by teachers

Q No	Excellent	Good	Moderate	Poor
Q1	46.2	46.2	3.8	3.8
Q2	53.8	38.5	3.8	3.8
Q3	34.6	57.7	7.7	0.0
Q4	30.8	53.8	11.5	3.8
Q5	34.6	46.2	11.5	7.7
Q6	38.5	38.5	15.4	7.7
Q7	53.8	34.6	7.7	3.8
Average (%)	**41.8**	**45.1**	**8.8**	**4.4**

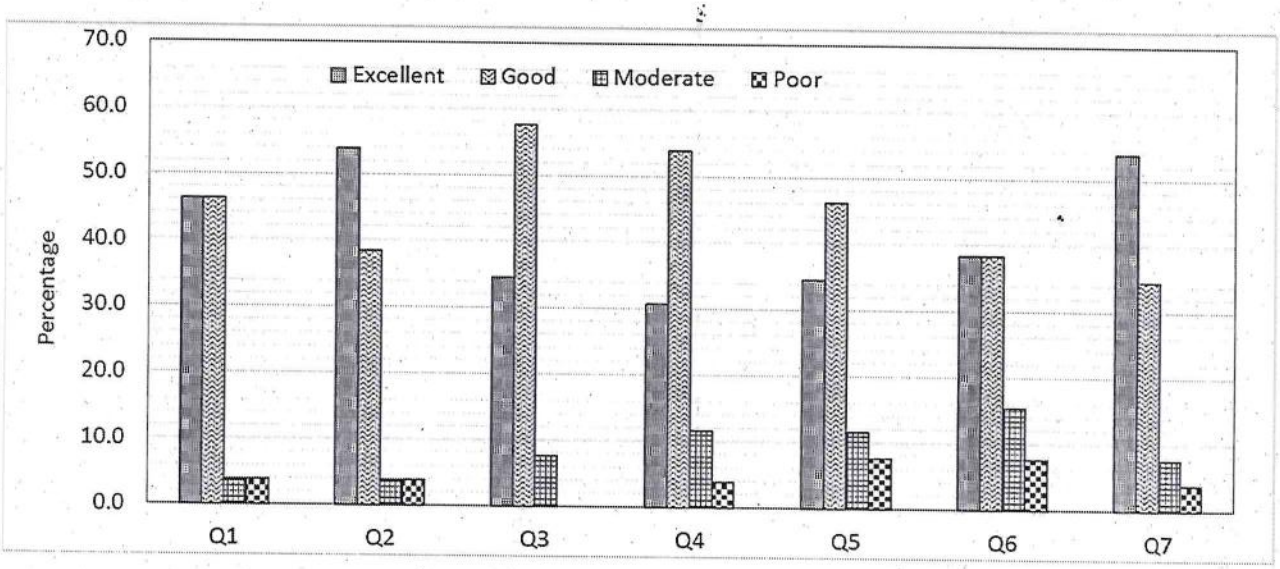

Figure 4: Analysis of R15 curriculum by teachers

The critical suggestion is as follows

-Include building planning and drawing course in the curriculum

ALUMNI FEEDBACK ON CURRICULUM

As listed in Table 7, five questions were given to alumni to rate R13 curriculum.

Table 7: List of Questions

Q No	Questions
Q1	Whether the syllabus was helpful for developing softskills
Q2	Does the Syllabus help to provide employment
Q3	How do you rate the courses which are skills related suiting to the Industry included into the programs?
Q4	How do you rate the learning experience in terms of their relevance to the real life application?
Q5	How do you rate the courses that you have learnt in relation to your current job?

R13 curriculum

Total number of responses received from the alumni for R13 curriculum was 6. The consolidated analysis of the responses is presented in Table 8 and Figure 5.

Table 8: Consolidated analysis of R13 curriculum

Q No	Excellent	Good	Moderate	Poor
Q1	50.0	33.3	16.7	0.0
Q2	33.3	66.7	0.0	0.0
Q3	50.0	50.0	0.0	0.0
Q4	50.0	33.3	16.7	0.0
Q5	33.3	50.0	16.7	0.0
Average (%)	**43.3**	**46.7**	**10.0**	**0.0**

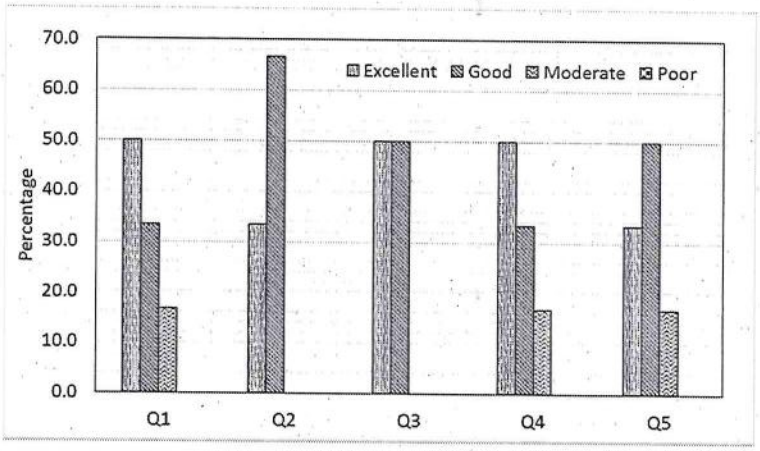

Figure 5: Consolidated analysis of R13 curriculum

The critical suggestion is as follows

- *Give exposure to project management by industrial experts to the students*

EMPLOYER FEEDBACK ON CURRICULUM

As listed in Table 9, five questions were given to alumni to rate R13 curriculum.

Table 9: List of questions

Q No	Questions
Q1	How do you find our students in applying the knowledge of maths, science in the solution of complying engineering problems?
Q2	How you found our students with respect to technical skills?
Q3	How you rate our students with respect to their ethical and moral values?
Q4	How you rate our students with respect to communication skills?
Q5	How you rate our students with respect to being open to new ideas and learning new technologies

R13 curriculum

Total number of responses received from the employers for R13 curriculum was 2. The consolidated analysis of the responses is presented in Table 10 and Figure 6.

Table 10: Consolidated analysis of R15 curriculum

Q No	Excellent	Good	Moderate	Poor
Q1	0	50	50	0
Q2	0	50	50	0
Q3	50	50	0	0
Q4	50	0	50	0
Q5	50	50	0	0
Average (%)	**30.0**	**40.0**	**30.0**	**0**

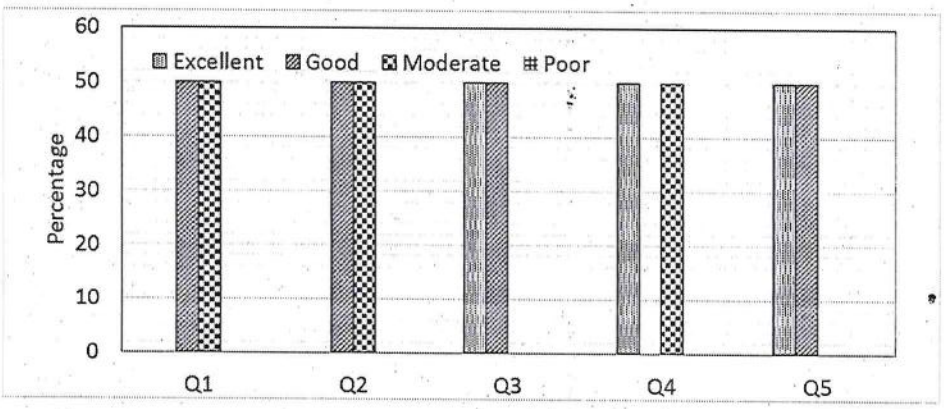

Figure 6: Consolidated analysis of R13 curriculum

The critical suggestion is as follows

-Students should undergo training on civil engineering softwares

HOD

Dept. of Civil Engg.
AITS, Tirupati-517 520