

DEPARTMENT OF CIVIL ENGINEERING

Action Taken Report on B. Tech Civil Program R 13 Feedback Implemented in R16 introduced in the AY 2016 - 17

Action taken based on the suggestions from Students:

- Q1.The Course Contents of Curriculum are in tune with the Program Outcomes
- Q2.The Course Contents are designed to enable Problem Solving Skills and Core competencies
- Q3.Courses placed in the curriculum serves the needs of both advanced and slow learners
- Q4.Contact Hour Distribution among the various Course Components (LTP) is Satisfiable
- Q5.Electives have enabled the passion to learn new technologies in emerging areas of Civil Engineering
- Q6.The Curriculum is providing opportunity towards Self learning to realize the expectations
- Q7.Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable
- Q8.No. of Laboratory Sessions Integrated with Theory Courses have been sufficient to improve the technical as well as practical skills in Civil Engineering
- Q9.Inclusion of Minor Projects with Theory Courses have enhanced the technical competency and leadership skills.

Analysis of Overall Feedback given by the Students on R 13

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	61.3	33.3	3.8	1.3	0.2	4.539	Excellent
Q2	62.1	33.1	3.8	0.4	0.6	4.557	Excellent
Q3	44.8	42.7	8.8	3.1	0.6	4.28	Excellent
Q4	49	36.3	12.3	1.3	1	4.307	Excellent
Q5	43.7	44.8	10.2	1	0.4	4.307	Excellent
Q6	40.8	40.6	16.7	1.3	0.6	4.197	Excellent
Q7	38.7	48.3	11.2	1	1	4.233	Excellent
Q8	32.5	54.6	10.6	1.3	1	4.163	Excellent
Q9	29.4	55.8	10.4	1.9	2.1	4.073	Excellent

Itemized responses given to the Suggestions of Students

Suggestion: I would like to suggest to conduct classes on software

Action Taken: Introduced Software like Staad Pro and Ansys and included in Laboratory sessions

Suggestion: Auto cad courses are required

Action Taken: Included in BCP laboratory component.

Suggestion: Conduct Industrial visits

Action Taken: Planned Polavaram Dam Site visit, Vizag Steel Plant visit and Srisailem Dam Project as Industrial Visits

Suggestion: Introduce practical projects for subjects

Action Taken: Introduced minor projects in the Lab components

Suggestion: Need practical experiences and hands-on.

Action Taken: In core courses minor projects are introduced to give practical exposure and make the student's industry ready

Suggestion: Need Spacious labs

Action Taken: Established individual labs for Structural Engineering and Geotechnical Engineering.

Suggestion: Require GATE, CAT, GRE coaching for Higher Education

Action Taken: Syllabus is modified as per GATE Examination. Most of the topics covered in Classroom. Separate Training Programme is planned as CRT for CAT, GRE

Suggestion: Kindly provide stream wise open electives

Action Taken: Offered Stream wise Open Electives rather than individual open electives

Suggestion: Kindly provide courses on life skills and employability orientation

Action Taken: Offered life skills like Yoga, Dance etc for one credit

Action taken based on the suggestions from Alumni:

- Q1.The Curriculum has paved a good foundation in understanding the basic civil engineering concepts
- Q2.The Course Contents of Curriculum are in tune with the Program Outcomes
- Q3.The Curriculum has imparted all the required Job Oriented Skills
- Q4.Professional and Open Electives of Curriculum have served the technical advancements needed to serve the requirements of existing construction Industry Practices and Codal Provisions
- Q5.Tools and Technologies learnt during laboratory sessions has enriched the problem solving skills
- Q6.Competing with your peers from other Universities
- Q7.Current Curriculum is superior to your studied Curriculum

Analysis of Overall Feedback given by the Alumni on R 13

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	61.5	35.2	3.3	0	0	4.582	Excellent
Q2	75.4	22.1	1.6	0.8	0	4.718	Excellent
Q3	74.6	23.8	1.6	0	0	4.73	Excellent
Q4	78.7	19.7	1.6	0	0	4.771	Excellent
Q5	79.5	12.3	7.4	0.8	0	4.705	Excellent
Q6	67.2	22.1	10.7	0	0	4.565	Excellent
Q7	58.2	25.4	10.7	5.7	0	4.361	Excellent

Itemized responses given to the suggestions of Alumni

Suggestion: Provide GIS course

Action Taken: Introduced Elective Stream RS and GIS which includes four courses on GIS

Suggestion: Require beam testing machine

Action Taken: Provided Loading Frame of 100 Ton Capacity in Structural Engineering Laboratory

Suggestion: Please conduct backlog classes

Action Taken: Introduced Backlog Classes and Remedial Classes from the Start of the semester

Suggestion: Please allow us to study other department subjects

Action Taken: Introduced wide range of stream wise open electives from other departments.

Suggestion: Give more classes on practicality rather than theory classes

Action Taken: Increased number of hours for laboratory courses by integrating theory with lab and Included minor projects and activities for practical exposure

Action taken based on the suggestions from Faculty:

- Q1.The Course Contents of Curriculum are in tune with the Program Outcomes
- Q2.Course Contents can enhance the Problem Solving Skills and Core competencies
- Q3.Allocation of Credits to the Courses are satisfiable
- Q4.Contact Hour Distribution among the various Course Components (LTP) is Satisfiable
- Q5.Electives enable the passion to learn new technologies in emerging areas of Civil Engineering
- Q6.The Curriculum is providing opportunity towards Self learning to realize the expectations
- Q7.The Composition of Basic Sciences, Engineering, Humanities and Management Courses are Satisfiable
- Q8.The number of theoretical courses amalgamated with laboratory sessions are sufficient to improve the technical skills of students
- Q9.Integration of Minor Project with Theory Courses improved the technical competency and leadership skills among the students

Analysis of Overall Feedback given by the Faculty on R 13

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	81.3	12.5	0	0	6.3	4.628	Excellent
Q2	81.3	18.8	0	0	0	4.817	Excellent
Q3	93.8	6.3	0	0	0	4.942	Excellent
Q4	78.1	15.63	3.1	0	3.1	4.653	Excellent
Q5	75	18.8	6.3	0	0	4.691	Excellent
Q6	90.6	9.4	0	0	0	4.906	Excellent
Q7	87.5	12.5	0	0	0	4.875	Excellent
Q8	84.4	15.6	0	0	0	4.544	Excellent
Q9	87.5	9.4	0	3.1	0	4.813	Excellent

Itemized responses given to the suggestions of Faculty

Suggestion: Need More Emphasis on Earthquake Engineering

Action Taken: Earthquake Stream has been introduced as Departmental Elective Stream

Suggestion: Required loading frame testing machine

Action Taken: 100 Ton Loading Frame is purchased and placed in Structural Engineering Lab

Suggestion: Provide Computer Applications Lab in Civil Syllabus

Action Taken: Computer Applications in Civil Engineering has been included as Standalone Lab in IV Year B.Tech Syllabus

Suggestion: Introduce Practical Projects for subjects

Action Taken: Introduced activities and minor projects for all the courses which gives practical exposure to the students.

Suggestion: Suggested to Introduce Remote Sensing lab

Action Taken: Remote Sensing and GIS is introduced as elective subject and Lab component also introduced

Suggestion: Auto Cad Courses are required

Action Taken: Some experiments on AutoCAD has been introduced as a part of Lab Component in BCP subject and also having a plan to conduct value added course on Auto Cad Basics

Action taken based on the suggestions from Employers:

- Q1. The Course Contents of Curriculum are in tune with the Program Outcomes
- Q2. The Course Contents are enriching the Construction Industry Demands
- Q3. Core Electives and Open Elective are in-line with the technology advancements
- Q4. Applicability of the tools and technologies described in the curriculum are sufficient to practice in Existing Construction Practices
- Q5. Problem Solving and Soft Skills acquired by the students through the course contents will enable them to be placed in Public Sector Units, MNC's and Government Sectors

Analysis of Overall Feedback given by the Employers on R 13

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	63.2	36.8	0	0	0	4.632	Excellent
Q2	63.2	36.8	0	0	0	4.632	Excellent
Q3	57.9	42.1	0	0	0	4.579	Excellent
Q4	84.2	15.8	0	0	0	4.842	Excellent
Q5	47.4	47.4	5.3	0	0	4.425	Excellent

Itemized responses given to the suggestions of Employers

Suggestion: conduct programming classes for civil students also

Action Taken: Introduced Programming components in Estimation Costing Lab and Computer Applications in Civil Engineering Lab

Suggestion: Required Practical orientation by conducting site visits

Action Taken: Introduced Site visits as a part of surveying lab minor projects. This will provide the students industry ready

Suggestion: Train Students through long term Internships

Action Taken: A semester long Internship is already there in the curriculum and implementing the same to make the students industry ready before getting placed.

Suggestion: Expose the students to real time scenario and provide industry oriented laboratories.

Action Taken: As per suggestions included more experiments on quality testing of materials in Concrete Technology Laboratory

Action taken based on the suggestions from Parents:

1. Curriculum enhances the intellectual aptitude of your ward
2. Curriculum realizes the personality development and technical skilling of your ward
3. Satisfaction about the Academic, Emotional Progression of your ward
4. Competency of your ward is on par with the students from other Universities/Institutes
5. Course Curriculum is of the global standard and is in tune with the needs of construction Industry

Analysis of Overall Feedback given by the Parents on R 13

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	56	36	8	0	0	4.48	Excellent
Q2	56	28	16	0	0	4.4	Excellent
Q3	36	56	8	0	0	4.28	Excellent
Q4	56	36	8	0	0	4.48	Excellent
Q5	56	36	8	0	0	4.48	Excellent

Itemized responses given to the suggestions of Parents

Suggestion: Require GATE and CAT coaching classes

Action Taken: Modified syllabus of each subjects as per GATE and Introduced CRT classes to enhance the knowledge of CAT.

Suggestion: The curriculum should be more practical oriented

Action Taken: Lab integrated with Theory and Minor projects along with core courses transform the students as industry ready.

Suggestion: Add employability courses in curriculum

Action Taken: Introduced employability and skill-based courses in every semester to make the student's industry ready.

Suggestion: The curriculum must improve the placements of the department

Action Taken: Modular courses are offered as a one-credit course and every student must undergo at least one modular course. The primary objective of modular courses is to have the expertise on emerging technologies used in industry like Nonlinear Modelling, Pre Cast Buildings etc.

A.V. Hebbar
HoD,CE