

DEPARTMENT OF CIVIL ENGINEERING

Action Taken Report on B. Tech Civil Program R 16 Feedback Implemented in R19 introduced in the AY 2019 - 20

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 16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	69.9	29.1	1	0	0	4.689	Excellent
Q2	65.6	32.8	0.7	0	1	4.623	Excellent
Q3	55.9	33.8	8	2.3	0	4.433	Excellent
Q4	52.8	31.1	14	0.7	1.3	4.331	Excellent
Q5	39.5	42.1	16.1	1	1.3	4.175	Excellent
Q6	47.8	36.5	14	1.7	0	4.304	Excellent
Q7	39.1	45.5	15.1	0	0.3	4.231	Excellent
Q8	33.1	51.5	13.4	1	1	4.147	Excellent
Q9	20.7	50.8	22.4	3.7	2.3	3.836	Very Good

Itemized responses given to the Suggestions of Students

Suggestion: Suggested to offer more inter departmental courses

Action Taken: Introduced more open electives as a pool and also introduced inter departmental projects in the curriculum

Suggestion: Suggested to give credit to sports

Action Taken: Introduced sports as one credit course by keeping physical education to be part of the curriculum.

Suggestion: Provide GIS course as Department Elective Course

Action Taken: Introduced GIS course as Departmental Elective as well as open elective

Suggestion: Include Practical Oriented Projects for subjects

Action Taken: Introduced Socio Centric and Industry Oriented Projects in final semester

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: Conduct Programming Classes for Civil Students also

Action Taken: Introduced coding languages like Design Algorithm for Civil Engineers has been introduced in the curriculum for the first time

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: Need Core Job Placements

Action Taken: Curriculum is focused to give training on various competitive examinations in the field of civil engineering

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 16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	74.9	25.1	0	0	0	4.749	Excellent
Q2	84.5	14.4	1.1	0	0	4.834	Excellent
Q3	53.5	38.5	8	0	0	4.455	Excellent
Q4	74.9	23	1.6	0.5	0	4.723	Excellent
Q5	72.7	18.7	8	0.5	0	4.633	Excellent
Q6	71.7	24.1	4.3	0	0	4.678	Excellent
Q7	58.3	32.6	4.3	4.3	0.5	4.439	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: Suggested to improve laboratory equipment and Introduce emerging methods

Action Taken: Provided Beam testing machine, RCPT and ACPT in Structural Engineering Laboratory

Suggestion: Provide campus trainings in third year itself

Action Taken: Planning to Introduce CRT and Programming Skills from third year itself

Suggestion: Offer more other department subjects

Action Taken: Introduced wide range of pool of open electives from other departments

Suggestion: Introduce sports as credit

Action Taken: Introduced sports as one credit course by keeping physical education to be part of the curriculum.

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 16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	82.2	17.8	0	0	0	4.822	Excellent
Q2	80	20	0	0	0	4.8	Excellent
Q3	71.1	28.9	0	0	0	4.711	Excellent
Q4	62.2	31.1	6.7	0	0	4.555	Excellent
Q5	68.9	26.7	4.4	0	0	4.645	Excellent
Q6	64.4	33.3	2.2	0	0	4.618	Excellent
Q7	73.3	26.7	0	0	0	4.733	Excellent
Q8	64.4	31.1	4.4	0	0	4.596	Excellent
Q9	64.4	24.4	0	11.1	0	4.418	Excellent

Itemized responses given to the suggestions of Faculty

Suggestion: Need More classes for Practical experience than Theoretic Knowledge

Action Taken: keeping in view of practical exposure to the student's curriculum is designed as project based curriculum and more importance given for inter, intra and socio centric projects.

Suggestion: Required Experiments on Loading Frame Testing Machine

Action Taken: Introduced Beam and column testing using Loading frame in Lab Experiments

Suggestion: Need Computer Applications Lab in Civil Syllabus

Action Taken: To incorporate Programming Skills and to enhance software knowledge courses like Design and Analysis of Algorithms for Civil Engineering, Mat Lab, Structural Computation and Design Laboratory has been introduced

Suggestion: Introduce summer internships in the curriculum

Action Taken: Introduced Short Term Industrial Training in the third year and it can be offered as Summer Internship for the Students.

Suggestion: Suggested to Introduce Remote Sensing lab

Action Taken: RS and GIS subject has been introduced in the curriculum as Departmental core elective and Planned one modular course for hands on experience on GIS software

Suggestion: Need Separate Lab for Structures

Action Taken: Some of the material testing experiments has been introduced in BMCT Lab Component.

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 16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	84.7	15.3	0	0	0	4.847	Excellent
Q2	89.8	10.2	0	0	0	4.898	Excellent
Q3	78	22	0	0	0	4.78	Excellent
Q4	71.2	16.9	8.5	3.4	0	4.559	Excellent
Q5	74.6	15.3	5.1	5.1	0	4.597	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 16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	49.1	39.6	0	0	0	4.039	Excellent
Q2	49.1	37.7	7.5	5.7	0	4.302	Excellent
Q3	35.8	52.8	5.7	0	5.7	4.13	Excellent
Q4	49.1	39.6	5.7	0	5.7	4.267	Excellent
Q5	49.1	39.6	5.7	5.7	0	4.324	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.


HoD, CE