VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be University)
-Estd. u/s 3 of UGC Act 1956

DEPARTMENT OF CIVIL ENGINEERING

Action Taken Report on B. Tech Civil Program R 19 Feedback Implemented in R21 introduced in the AY 2021-22

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 as well as incorporation of software courses.

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 19

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	94.4	5.6	0	0	0	4.944	Excellent
Q2	81.5	16.7	1.9	0	0	4.8	Excellent
Q3	88.9	11.1	0	0	0	4.889	Excellent
Q4	79.6	20.4	0	0	0	4.796	Excellent
Q5	87	13	0	0	0	4.87	Excellent
Q6	74.1	25.9	0	0	0	4.741	Excellent
Q7	83.3	16.7	0	0	0	4.833	Excellent
Q8	74.1	18.5	7.4	0	0	4.667	Excellent
Q9	72.2	20.4	7.4	0	0	4.648	Excellent

Itemized responses given to the Suggestions of Students

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 19

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	66.7	33.3	0	0	0	4.667	Excellent
Q2	100	0	0	0	0	5	Excellent
Q3	100	0	0	0	0	5	Excellent
Q4	66.7	33.3	0	0	0	4.667	Excellent
Q5	33.3	66.7	0	0	0	4.333	Excellent
Q6	66.7	33.3	0	0	0	4.667	Excellent
Q7	66.7	0	33.3	0	0	4.334	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

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 19

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	100	0	0	0	0	5	Excellent
Q3	100	0	0	0	0	5	Excellent
Q4	100	0	0	0	0	5	Excellent
Q5	50	0	50	0	0	4	Excellent
Q6	100	0	0	0	0	5	Excellent
Q7	100	0	0	0	0	5	Excellent
Q8	100	0	0	0	0	5	Excellent
Q9	100	0	0	0	0	5	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:

Analysis of Overall Feedback given by the Employers on R 19

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	72.3	27.7	0	0	0	4.723	Excellent
Q2	80.9	19.1	0	0	0	4.809	Excellent
Q3	76.6	21.3	0	2.1	0	4.724	Excellent
Q4	68.1	17	6.4	8.5	0	4.447	Excellent
Q5	66	19.1	8.5	6.4	0	4.447	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 o 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

HoD/Civil Engg.