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

DEPARTMENT OF INFORMATION TECHNOLOGY
Action Taken Report on BCA Program R 18 Feedback
Implemented in R21 introduced in the AY 2021 – 22

Action taken based on the suggestions from Students:

Q1.Course Contents of Curriculum are in tune with the Program Outcomes

Q2.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

Q6.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.Laboratory sessions are sufficient to improve the technical skills of students

Q9.Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students

Analysis of Overall Feedback given by the Students on R18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	44	52.5	2.5	0	0	4.375	Excellent
Q2	44.5	54	1.5	0	0	4.43	Excellent
Q3	21	72	6.5	0	0.5	4.13	Excellent
Q4	9	51	29	0.5	10.5	3.475	Good
Q5	21.5	69.5	7.5	1	0.5	4.105	Excellent
Q6	29	43	28	0	0	4.01	Excellent
Q7	17.5	65.5	6	0	11	3.785	Very Good
Q8	18.5	67	14	0	0.5	4.03	Excellent
Q9	57	33	8.5	1	0.5	4.45	Excellent

Itemized responses to the Suggestions of Students

Suggestion: Add more laboratory hours to the curriculum

Action Taken: Increased number of laboratory hours by integrating theory with laboratory courses

Suggestion: Improve the project-based learning in the curriculum

Action Taken: Mini project-I and Mini Project-II are core courses are introduced to make the student's industry ready from 2nd year II semester onwards

Suggestion: Introduce industry-oriented courses like machine learning, computer vision, and block chain and its applications

Action Taken: All the course listed in the suggestion have been included in the curriculum

Suggestion: Freedom to select advanced courses from electives courses

Action Taken: Professional elective courses were offered from 3rd year I semester onwards. Students can select professional elective based on their interest

Suggestion: Include more importance in problem-solving skills in curriculum

Action Taken: Three courses are included on problem solving skills which include competitive programming

Action taken based on the suggestions from Faculty:

Q1.Course Contents of Curriculum are in tune with the Program Outcomes

Q2.Course Contents 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 Justifiable

Q5.Electives enable the passion to learn new technologies in emerging areas

Q6.Curriculum is providing opportunity towards Self learning

Q7.Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable

Q8.Courses with laboratory sessions are sufficient to improve the technical skills of students

Q9.Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students

Analysis of Overall Feedback given by the Faculty on R18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	67.9	28.3	3.8	0	0	4.641	**Excellent**
Q2	54.7	41.5	3.8	0	0	4.509	**Excellent**
Q3	75.5	20.8	0	0	3.8	4.645	**Excellent**
Q4	69.8	18.9	11.3	0	0	4.585	**Excellent**
Q5	79.2	13.2	7.5	0	0	4.713	**Excellent**
Q6	66	20.8	9.4	0	3.8	4.452	**Excellent**
Q7	69.8	17	13.2	0	0	4.566	**Excellent**
Q8	75.5	17	3.8	0	3.8	4.607	**Excellent**
Q9	71.7	20.8	3.8	3.8	0	4.607	**Excellent**

Itemized responses to the suggestions of Faculty

Suggestion: Introduce more practical oriented courses like data visualization, office automation, machine learning with python and exploring data analytics

Action Taken: Included all the suggested courses in the curriculum

Suggestion: Include more application-oriented courses in the curriculum

Action Taken: Introduced courses like web technologies and advanced web technologies to develop full stack web application development

Action taken based on the suggestions from Parents:

Q1.Curriculum enhances the intellectual aptitude of your ward
Q2.Curriculum realizes the personality development and technical skilling of your ward
Q3.Satisfaction about the Academic, Emotional Progression of your ward
Q4.Competency of your ward is on par with the students from other Universities/Institutes
Q5.Course Curriculum is of the global standard and is in tune with the needs of IT and IT enabled industries

Analysis of Overall Feedback given by the Parents on R18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	42	37	19.8	0	1.2	4.186	**Excellent**
Q2	42	35.8	16	4.9	1.2	4.122	**Excellent**
Q3	35.8	48.1	11.1	0	4.9	4.096	**Excellent**
Q4	42	38.3	14.8	0	4.9	4.125	**Excellent**
Q5	40.7	29.6	22.2	4.9	2.5	4.008	**Excellent**

Itemized responses to the suggestions of Parents

Suggestion: The curriculum must improve the placements of the department

Action Taken: Increased number of laboratory hours by integrating theory with laboratory courses. Also, two mini projects courses are introduced to make the student's industry ready

Suggestion: The curriculum will be more practical oriented than theory and suitable for project-oriented learning

Action Taken: programming courses like problem-solving-I, problem solving-II through C, Python programming, and OOP through JAVA to make student ready for placement drives

Suggestion: Minimize the number of evaluation schemes and include the courses based on the feedback from industry experts

Action Taken: Our employers are also one of the stakeholders to design the curriculum and department BOS committee must contain at least 30% of members from industry

Suggestion: Include more importance in problem solving skills in curriculum

Action Taken: Introduced skills and activities for each course to get the real-time/industry usage of each course.

Action taken based on the suggestions from Alumni:

Q1.Curriculum has paved a good foundation in understanding the basic engineering concepts

Q2.Course Contents of Curriculum are in tune with the Program Outcomes

Q3.Curriculum imparted all the required Job Oriented Skills

Q4.Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry

Q5.Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills

Q6.Ability to compete with your peers from other Universities

Q7.Current Curriculum is superior to your studied Curriculum

Analysis of Overall Feedback given by the Alumni on R18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	28.1	37.5	18.8	9.4	6.3	3.72	Very Good
Q2	31.3	25	25	12.5	6.3	3.628	Very Good
Q3	37.5	15.6	18.8	15.6	12.5	3.5	Very Good
Q4	18.8	34.4	12.5	12.5	21.9	3.16	Good
Q5	34.4	12.5	15.6	25	12.5	3.313	Good
Q6	21.9	37.5	18.8	9.4	12.5	3.472	Good
Q7	34.4	28.1	12.5	12.5	12.5	3.594	Very Good

Itemized responses given to the suggestions of Alumni

Suggestion: Add skill-based courses to the curriculum

Action Taken: Introduced competitive coding and Industrial oriented modular courses for improving skills among students

Suggestion: Include the seminars and project-based learning

Action Taken: In this curriculum, introduced two courses on technical seminars with two credits. One course (technical seminar-I) in Ist year II semester and another course (technical seminar-II) in 2nd year I semester.

Suggestion: It is better to introduce field projects

Action Taken: Introduced Mini Project-I and Mini Project-II in the curriculum

Suggestion: Include computer vision and artificial intelligence

Action Taken: Both courses are included in the category of department electives

Action taken based on the suggestions from Employers:

Q1.Course Contents of Curriculum are in tune with the Program Outcomes

Q2.Curriculum provides the scope for improving the required skills of IT and IT enabled Industry Demands

Q3.Professional and Open Electives are fulfilling the ever- evolving needs of IT industries

Q4.Tools and technologies described in the curriculum are enough to design and develop new applications of IT Industry.

Q5.Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in IT Industry.

Analysis of Overall Feedback given by the Employers on R 18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	75	0	3.1	21.9	0	4.281	**Excellent**
Q2	53.1	21.9	18.8	6.3	0	4.221	**Excellent**
Q3	75	6.3	12.5	6.3	0	4.503	**Excellent**
Q4	31.3	50	12.5	6.3	0	4.066	**Excellent**
Q5	78.1	9.4	6.3	6.3	0	4.596	**Excellent**

Itemized responses given to the suggestions of Employers

Suggestion: More practical exposure is required

Action Taken: Equal weightage has given for both theory and practical courses in the curriculum

Suggestion: Add employability courses like machine learning, Big data computer, cloud computing and data visualization in industry prospective

Action Taken: All courses are included in the curriculum

Suggestion: Need to get real-time exposure and design & solve the local problems

Action Taken: Introduced project-based curriculum develop 3 projects in the curriculum in the real time prospective

Suggestion: It is better to reduce the number of courses in a semester and ask the students to design and implement various types of projects to get hands-on practice

Action Taken: In every semester, student must carry out at least one project from 2nd year onwards.

HOD, IT