VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd u/s 3 of UGC Act 1956

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Action Taken Report on M. Tech CSE Program R 17 Feedback

Implemented in R20 introduced in the AY 2020 - 21

Action taken based on the suggestions from Faculty:

Q1. Course Content of Curriculum is in tune with the Program Outcomes

Q2. Course Contents improves the Problem-Solving Skills and Core competencies

Q3. Curriculum enhances the research abilities of the students in thrust areas of Computer Science

Q4. Contact Hour Distribution among the various Course Components (LTP) is Justifiable

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

Q6. Curriculum enhances self-learning

Q7. Apply tools and technologies described in the curriculum are enough to design and develop new applications to serve the local needs.

Q8. Courses with 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 Faculty on R 17

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	52.7	41.8	5.5	0	0	4.472	Excellent
Q2	60	16.4	16.4	7.3	0	4.294	Excellent
Q3	36.4	56.4	7.3	0	0	4.295	Excellent
Q4	54.5	38.2	7.3	0	0	4.472	Excellent
Q5	54.5	21.8	18.2	5.5	0	4.253	Excellent
Q6	65.5	18.2	14.5	1.8	0	4.474	Excellent
Q7	47.3	32.7	10.9	9.1	0	4.182	Excellent
Q8	60.	23.6	16.4	0	0	4.436	Excellent
Q9	61.8	21.8	1.8	14.5	0	4.306	Excellent

Itemized responses given to the Suggestions of Faculty

Suggestion: Include Minor/ Mini Projects along with Theory and Lab Courses

Action Taken: As per your suggestion, we have included Mini Project in second sem.

Suggestion: As per the industry requirement, it is better to offer Machine Learning course along with Big Data Analytics.

Action Taken: Machine Learning is offered in Professional Core Pool.

Suggestion: Include some more courses on Networks & Security Applications and Algorithms

Action Taken: Courses like Cloud Security, Web Security, Database Security, Wireless Computer Networks, etc. offered in Elective Pool

Suggestion: Offer some courses on online platform which promote self-learning

Action Taken: Students have been given with the opportunity to do some courses through nptel.

Suggestion: Better to re-introduce seminars

Action Taken: Suggestion has been honoured and included the seminar course.

Action taken based on the suggestions from Alumni:

Q1. Curriculum establishes strong foundation for understanding the basic engineering concepts

Q2. Course Content of Curriculum is in tune with the Program Outcomes

Q3. Curriculum enriches the research abilities to pursue higher education in the thrust areas of Computer Science

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 enriches the problem-solving skills

Q6. Competing with your peers from other Universities

Q7. Curriculum is superior to your studied Curriculum

Analysis of Overall Feedback given by the Alumni on R 17

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	63.6	36.4	0	0	0	4.636	Excellent
Q2	27.3	72.7	0	0	0	4.273	Excellent
Q3	27.3	36.4	27.3	9.1	0	3.822	Very Good
Q4	18.2	54.5	18.2	9.1	0	3.818	Very Good
Q5	36.4	36.4	18.2	9.1	0	4.004	Excellent
Q6	18.2	45.5	36.4	0	0	3.822	Very Good
Q7	54.5	45.5	0	0	0	4.545	Excellent

Itemized responses given to the suggestions of Alumni

Suggestion: Cyber Security is a growing field. Suggested to include some more courses on Security.

Action Taken: Courses like Cloud Security, Web Security, Database Security, like security related courses are offered under elective stream

Suggestion: Include online courses for credits.

Action Taken: Yes, included

Suggestion: Give more emphasis on research projects in thrust areas. Try to increase the scope for improving the quality of research projects

Action Taken: To encourage students towards research projects; major thrust areas are offered under Professional Core.

Suggestion: Instead of offering fundamental courses, it is better to replace them with emerging courses.

Action Taken:

Suggestion: Include Machine Learning course

Action Taken: Yes, included as Major course.

Suggestion: Based on the growing importance of Deep Learning; better to include it in the Curriculum.

Action Taken: Suggestion was honoured and included as an elective course.

Action taken based on the suggestions from Students:

Q1. Course Content of Curriculum is in tune with the Program Outcomes

Q2. Course Content is well designed to enable Problem Solving Skills and Core competencies

Q3. Courses placed in the curriculum serve the needs of both advanced and slow learners

Q4. Contact Hour Distribution among the various Course Components (LTP) is Satisfiable

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

Q6. Curriculum encourages self-learning to realize the expectations

Q7. Courses with laboratory sessions are sufficient to improve the technical skills

Q8. Research Projects improves the technical competency and leadership skills

Q9. Tools and technologies described in the curriculum are enough to design and develop new applications.

Analysis of Overall Feedback given by the Students on R 17

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	18.7	74.7	6.7	0	0	4.124	Excellent
Q2	29.3	46.7	24	0	0	4.053	Excellent
Q3	41.3	56	2.7	0	0	4.386	Excellent
Q4	36	6.7	57.3	0	0	3.787	Very Good
Q5	34.7	40	25.3	0	0	4.094	Excellent
Q6	5.3	90.7	4	0	0	4.013	Excellent
Q7	54.7	38.7	6.7	0	0	4.484	Excellent
Q8	74.7	21.3	4	0	0	4.707	Excellent
Q9	78.7	17.3	4	0	0	4.747	Excellent

Itemized responses given to the suggestions of Students

Suggestion: Please introduce Machine Learning & Deep Learning Courses

Action Taken: These courses are introduced in the Curriculum.

Suggestion: Reduce the number of courses and credits

Action Taken: As per the UGC/ AICTE recommendations, we have reduced the credits.

Suggestion: Include mini project course in the first year

Action Taken: Yes, Mini project course is included.

Suggestion: Majority of the Courses are related to Machine Learning and allied areas. Please give some more options in Networks & Security

Action Taken: As per the suggestion, we have included good number of courses on Networks & Security.

Suggestion: Security in Cloud, Web and Database are having wide spectrum of job opportunities. Please include some courses on these areas.

Action Taken: As per the suggestion, all the above-mentioned courses such as Cloud Security, Web Security and Database Security are included in elective pool.

Action taken based on the suggestions from Employers:

Q1. Course Content of Curriculum is in tune with the Program Outcomes

Q2. Curriculum has 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 sufficient 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 17

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	80	20	0	0	0	4.8	Excellent
Q2	26.7	73.3	0	0	0	4.267	Excellent
Q3	26.7	20	33.3	20	0	3.534	Very Good
Q4	33.3	33.3	13.3	20	0	3.796	Very Good
Q5	46.7	20	13.3	20	0	3.934	Very Good

Itemized responses given to the suggestions of Employers

Suggestion: Give scope for implementation of Project based learning

Action Taken: To honour this suggestion, Mini Projects and Societal Centric projects are included.

Suggestion: More emphasis is needed to offer emerging courses such as Machine Learning.

Action Taken: Yes, as per the suggestion we have included good no. of emerging courses in the curriculum.

Suggestion: It is highly essential to include the courses like Cloud Computing, Cloud Security courses

Action Taken: Yes, Included in the curriculum.

Suggestion: Motivate the students to carry out industry-oriented projects along with research projects.

Action Taken: To honour this suggestion, various kinds of project courses are offered in the curriculum.

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 global standard and is in tune with the needs of IT and IT enabled industries

Analysis of Overall Feedback given by the Parents on R 17

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	60	30	0	0	0	4.2	Excellent

Q2	20	55	25	0	0	3.95	Very Good
Q3	30	50	20	0	0	4.1	Excellent
Q4	60	10	25	5	0	4.25	Excellent
Q5	35	40	25	0	0	4.1	Excellent

Itemized responses given to the suggestions of Parents

Suggestion: Include the courses which improve the employability.

Action Taken: Employability orientation program, Mini Projects, Societal Centric Projects, Internship and employable courses are meant to improve the employability opportunities of the students.

Suggestion: Reduce the number courses in first year

Action Taken: Yes, as per the suggestion number of courses are reduced in the first year.

Suggestion: Give the opportunity to learn some courses through online

Action Taken: As per the suggestions, students have been given the flexibility to acquire some credits through online.

HOD, CSE