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 B. Tech CSE-AI&ML Program R 19 Feedback Implemented in R21 introduced in the AY 2021-22

### Action taken based on the suggestions from Students:

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

Q2. Curriculum is designed to improve 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 Satisfactory

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

Q6. Curriculum promotes self learning to realize the expectations

Q7. Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfactory

Q8. Laboratory sessions are sufficient to improve the technical skills of students

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

### Analysis of Overall Feedback given by the Students on R 19

| Parameters | Strongly Agree | Agree | Moderate | Disagree | Strongly Disagree | Avg. Rating | Grade |
|------------|---------------|-------|----------|----------|-------------------|-------------|-------|
| Q1 | 21.4 | 57.1 | 21.4 | 0 | 0 | 3.996 | Very Good |
| Q2 | 64.3 | 17.9 | 14.3 | 3.6 | 0 | 4.432 | Excellent |
| Q3 | 71.4 | 17.9 | 10.7 | 0 | 0 | 4.607 | Excellent |
| Q4 | 60.7 | 28.6 | 10.7 | 0 | 0 | 4.5 | Excellent |
| Q5 | 46.4 | 39.3 | 10.7 | 3.6 | 0 | 4.285 | Excellent |
| Q6 | 64.3 | 25 | 10.7 | 0 | 0 | 4.536 | Excellent |
| Q7 | 60.7 | 28.6 | 10.7 | 0 | 0 | 4.5 | Excellent |
| Q8 | 64.3 | 10.7 | 17.9 | 3.6 | 3.6 | 4.288 | Excellent |
| Q9 | 50 | 39.3 | 7.1 | 0 | 3.6 | 4.321 | Excellent |

## Itemized responses given to the Suggestions of Students

**Suggestion:** Introduce new courses needed for job requirement.

**Action Taken:** In R21 we introduced Practical Labs for Artificial Intelligence, Competitive Coding, Mobile Ad-hoc networks, IOT.

**Suggestion:** Provide extra slots for laboratory courses

**Action Taken:** Organise good number of workshops to improve hands on and provide the lab facilities.

**Suggestion:** Please include current programming languages like python, BDA and R programming as core subjects

**Action Taken:** In R21 we introduced many programming languages to develop programming skills.

## Action taken based on the suggestions from Faculty:

Q1. Course Content of Curriculum is 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 satisfactory

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 encourages Self learning

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

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 R 19

| Parameters | Strongly Agree | Agree | Moderate | Disagree | Strongly Disagree | Avg. Rating | Grade |
|---|---|---|---|---|---|---|---|
| Q1 | 91.7 | 8.3 | 0 | 0 | 0 | 4.917 | Excellent |
| Q2 | 94.4 | 5.6 | 0 | 0 | 0 | 4.944 | Excellent |
| Q3 | 91.7 | 8.3 | 0 | 0 | 0 | 4.917 | Excellent |
| Q4 | 83.3 | 16.7 | 0 | 0 | 0 | 4.833 | Excellent |
| Q5 | 91.7 | 8.3 | 0 | 0 | 0 | 4.917 | Excellent |
| Q6 | 94.4 | 5.6 | 0 | 0 | 0 | 4.944 | Excellent |
| Q7 | 86.1 | 13.9 | 0 | 0 | 0 | 4.861 | Excellent |
| Q8 | 88.9 | 11.1 | 0 | 0 | 0 | 4.889 | Excellent |
| Q9 | 86.1 | 13.9 | 0 | 0 | 0 | 4.861 | Excellent |

## Itemized responses given to the suggestions of Faculty

**Suggestion:** Include emerging courses related to security and threats in elective pool

**Action Taken:** In R21 We have introduced emerging courses in a Curriculum.

**Suggestion:** Collections frame work not included in the OOPS through java course Syllabus. It is better to include in the syllabus as those topics are very useful during problem solving in coding competitions.

**Action Taken:** In R21 course content of OOPS through Java is revised and we introduced Practical Labs with additional Technical seminars.

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