



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**Action Taken Report on M. Tech – Computer Science and Engineering Program R20**  
**Feedback**  
**Implemented in R22 introduced in the AY 2022 – 23**

**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 R20**

	<b>Strongly Agree</b>	<b>Agree</b>	<b>Moderate</b>	<b>Disagree</b>	<b>Strongly Disagree</b>	<b>Avg. Rating</b>	<b>Grade</b>
Q1	50	41.7	8.3	0	0	4.41	Excellent
Q2	50	20.8	29.2	0	0	4.208	Excellent
Q3	62.5	25	8.3	0	4.2	4.41	Excellent
Q4	8.3	50	37.5	0	4.2	3.582	Very Good
Q5	16.7	75	8.3	0	0	4.084	Excellent
Q6	41.7	20.8	37.5	0	0	4.042	Excellent
Q7	12.5	62.5	25	0	0	3.875	Very Good
Q8	33.3	45.8	20.8	0	0	4.121	Excellent
Q9	54.2	45.8	0	0	0	4.542	Excellent

### Itemized responses given to the Suggestions of Students

**Suggestion:** Artificial intelligence should have lab component.

**Action Taken:** In R 22, we included a lab component for the machine learning course in line with the AI experiments.

**Suggestion:** Improve the practical knowledge on all aspects.

**Action Taken:** In R22, we must introduce Module-1 and Module-2 structure. To monitor the progress of students, continuous assessment comprising of five targets (T1, T2, T3, T4 and T5). The T1 shall be paper based and in T2 is primarily an extension of problem received in T1 for carrying out experimentation. So, T2 is useful for all the students to improve their practical skills because each course, they have to convert at least one problem into practical way.

**Suggestion:** Please include more seminars to improve their communication skills.

**Action Taken:** In R22, T3 purpose is each and every student has to give presentation on a particular problem and also in R22 there is no concepts of weekend exams and also include a teaching activity for the M.Tech students in a regular curriculum.

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

- Q1. Curriculum has paved a good foundation in understanding the basic engineering concepts
- Q2. Course Content of Curriculum is in tune with the Program Outcomes
- Q3. Curriculum imparted all the required Job Oriented Skills
- Q4. Professional and Open Electives of Curriculum improves the technical skills needed to serve in the industry
- Q5. Tools and Technologies learned in laboratory sessions enriches 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 R 20

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	40	40	20	0	0	4.2	Excellent
Q2	40	60	0	0	0	4.4	Excellent
Q3	40	40	20	0	0	4.2	Excellent
Q4	40	20	20	20	0	3.8	Very Good
Q5	40	40	20	0	0	4.2	Excellent
Q6	40	40	20	0	0	4.2	Excellent
Q7	40	40	20	0	0	4.2	Excellent

**Itemized responses given to the suggestions of Alumni.**

**Suggestion:** Introduce courses related to present technologies.

**Action Taken:** In R22, more emphasis gives to emerging courses like Machine learning, Deep learning and Artificial Intelligence and added good number of courses as electives/minors.

**Suggestion:** Introduce courses to improve communication skills more.

**Action Taken:** In R22, T3 purpose is each and every student has to give presentation on a particular problem and also in R22 there is no concepts of weekend exams and also include a teaching activity for the M.Tech students in a regular curriculum.

**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 20**

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	50	37.5	12.5	0	0	4.375	Excellent
Q2	25	31.3	43.8	0	0	3.816	Very Good
Q3	31.3	68.8	0	0	0	4.317	Excellent
Q4	12.5	62.5	25	0	0	3.875	Very Good
Q5	31.3	43.8	25	0	0	4.067	Excellent
Q6	31.3	31.3	37.5	0	0	3.942	Very Good
Q7	62.5	31.3	6.3	0	0	4.566	Excellent
Q8	18.8	56.3	25	0	0	3.942	Very Good
Q9	43.8	43.8	6.3	6.3	0	4.257	Excellent

**Itemized responses given to the suggestions of Faculty.**

**Suggestion:** Include machine learning course in a curriculum.

**Action Taken:** In R22, the machine learning course placed in a core course instead of department electives.

**Action taken based on the suggestions from Employers:**

Q1. Course Content of Curriculum is 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 20**

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	60	40	0	0	0	4.6	Excellent
Q2	0	100	0	0	0	4	Excellent
Q3	0	40	40	20	0	3.2	Good
Q4	20	60	0	20	0	3.8	Very Good
Q5	40	40	0	20	0	4	Excellent

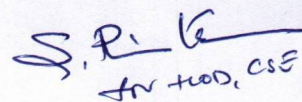
**Itemized responses given to the suggestions of Employers**

**Suggestion:** Better to include Hadoop API for Map Reduce Framework in Big Data & Analytics course.

**Action Taken:** In R22 revision we can take any dataset. Understanding Hadoop API for Map Reduce Framework (Old and New) in Big Data & Analytics course.

**Suggestion:** Students also need to focus on communication and presentation skills.

**Action Taken:** In R22 Curriculum courses are provided to improve communication and presentation skills.

  
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