



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**Action Taken Report on M. Tech CSE Program R 14 Feedback
Implemented in R 17 introduced in the AY 2017 - 18**

Action taken based on the suggestions from Faculty:

- Q1. Course Content of Curriculum is in tune with the Program Outcomes
- Q2. Course Content enhances the Problem-Solving Skills and Core competencies
- Q3. Curriculum enables 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 enables the passion to learn new technologies in emerging areas
- Q6. Curriculum is providing opportunity towards 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 14

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	51.4	37.1	8.6	0	2.9	4.341	Excellent
Q2	22.9	22.9	51.4	2.9	0	3.661	Very Good
Q3	34.3	62.9	0	0	2.9	4.26	Excellent
Q4	31.4	42.9	22.9	0	2.9	4.002	Excellent
Q5	40	45.7	11.4	0	2.9	4.199	Excellent
Q6	42.9	22.9	28.6	2.9	2.9	4.006	Excellent
Q7	62.9	28.6	5.7	0	2.9	4.489	Excellent
Q8	31.4	40	25.7	0	2.9	3.97	Very Good
Q9	48.6	28.6	5.7	14.3	2.9	4.06	Excellent

Itemized responses given to the Suggestions of Faculty

Suggestion: Include some courses to improve the communication skills

Action Taken: Employability Orientation is offered as a course with two credits in II Semester.

Suggestion: It is suggested to include course on imparting research attitude among the students

Action Taken: To impart research orientation among students, Research Methods is offered as a three credit course.

Suggestion: If possible convert Bigdata Analytics and Internet of Things into Professional Core Pool instead of electives.

Action Taken: Emerging courses with employability such as IOT, Bigdata Analytics and Cloud Computing are offered under Professional Core category.

Suggestion: Object Oriented Analysis and Design, Web Technologies like courses were covered in B.Tech. and those are not required to be kept in Professional Core Pool

Action Taken: These courses are replaced with IOT, BDA and CC under Professional Core. Further, Web Technologies is move to Elective Stream.

Suggestion: Instead of stream-wise elective pool better to offer elective pool. It will facilitate multiple options to the Students.

Action Taken: Suggestion has been considered. Pool of electives is offered instead stream of electives.

Action taken based on the suggestions from Alumni:

Q1. Curriculum establishes strong foundation in 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 enriched 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 14

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	58.3	33.3	8.3	0	0	4.496	Excellent
Q2	33.3	66.7	0	0	0	4.333	Excellent
Q3	33.3	33.3	25	8.3	0	3.913	Very Good
Q4	33.3	33.3	16.7	16.7	0	3.832	Very Good
Q5	41.7	33.3	16.7	8.3	0	4.084	Excellent
Q6	41.7	41.7	16.7	0	0	4.254	Excellent
Q7	50	41.7	8.3	0	0	4.417	Excellent

Itemized responses given to the suggestions of Alumni

Suggestion: Courses like Research Methodology or Research Methods is needed to be offered.

Action Taken: To impart research orientation among students, Research Methods is offered as a three credit course.

Suggestion: Need some more emphasis on Communication and Soft Skills to improve the placements.

Action Taken: Employability Orientation is offered as a course with two credits in II Semester.

Suggestion: Include Bigdata analytics course with laboratory. As it is having lot of job opportunities

Action Taken: Suggestion has been honoured. BDA with lab has been included in R17.

Suggestion: Include emerging and industry required courses like IOT, AI, BDA in Core.

Action Taken: As per the suggestion the emerging courses like IOT, AI and BDA are moved to Professional Core Pool. This will affect the placement opportunities and research.

Suggestion: Try to avoid the courses which taught during B.Tech.

Action Taken: As per the suggestion, courses like OOAD, CN and OS have been removed. Web Technologies is moved to elective stream.

Suggestion: Include more number of courses which generate employability

Action Taken: Courses with employability has been increased from R 14 to R 17.

Action taken based on the suggestions from Students:

1. Course Content of Curriculum is in tune with the Program Outcomes
2. Course Contents are well designed to enable Problem Solving Skills and Core competencies
3. Courses placed in the curriculum serves the needs of both advanced and slow learners
4. Contact Hour Distribution among the various Course Components (LTP) is Satisfiable
5. Electives have enabled the passion to learn new technologies in emerging areas
6. Curriculum is providing opportunity towards self-learning to realize the expectations
7. Courses with laboratory sessions are sufficient to improve the technical skills
8. Research Projects improved the technical competency and leadership skills
9. 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 14

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	56.8	35.2	8	0	0	4.488	Excellent
Q2	53.4	29.5	17	0	0	4.36	Excellent
Q3	46.6	23.9	25	1.1	3.4	4.092	Excellent
Q4	15.9	48.9	31.8	0	3.4	3.739	Very Good
Q5	30.7	54.5	14.8	0	0	4.159	Excellent
Q6	42	33	22.7	2.3	0	4.147	Excellent
Q7	34.1	50	15.9	0	0	4.182	Excellent
Q8	33	50	15.9	0	1.1	4.138	Excellent
Q9	38.6	39.8	15.9	4.5	1.1	4.1	Excellent

Itemized responses given to the suggestions of Students

Suggestion: Include more research oriented subjects.

Action Taken: As per the suggestion, we have included the courses like ANN, Wireless Computer Networks, Wireless Communication Networks, and AI are included in the curriculum.

Suggestion: Provide high end machines.

Action Taken: As per the suggestion, C R Rao Research Centre has been augmented with some high-end machines.

Suggestion: Emerging Courses are needed to have good placements and placement with high salary package.

Action Taken: Employability Orientation Program, BDA, CC, and IOT are floated under Core Pool.

Suggestion: Web Technology and OOAD courses are needed to be replaced with some more emerging courses.

Action Taken: WT, OS and OOAD are replaced with some emerging courses.

Suggestion: Please conduct Training Programs and Induction Courses

Action Taken: As per the students, Value added courses are being offered for M.Tech Students.

Suggestion: Cloud Computing and Internet of Things courses are needed under Professional Core.

Action Taken: As per the suggestion, these courses are moved to Professional Core 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 14

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	73.3	26.7	0	0	0	4.733	Excellent
Q2	26.7	73.3	0	0	0	4.267	Excellent
Q3	26.7	26.7	26.7	20	0	3.604	Very Good
Q4	40	33.3	6.7	20	0	3.933	Very Good
Q5	46.7	26.7	6.7	20	0	4.004	Excellent

Itemized responses given to the suggestions of Employers

Suggestion: More emphasis is needed on emerging courses like BDA, and CC

Action Taken: These courses are made mandatory courses for the Students in R 17.

Suggestion: Instead of Stream-wise elective offer Pool of Electives. This will enable the students to learn variety of courses.

Action Taken: As per the suggestion, Pool electives was introduced.

Suggestion: Students are coming from rural background. Some more courses are needed to be taught to enrich the communication skills of the students.

Action Taken: As per the suggestion, we have introduced a new mandatory course called Employability Orientation Program for all students.

Suggestion: Students are needed to be trained on advanced courses through training/certification.

Action Taken: Value added courses are being conducted in addition some emerging courses are kept under Core pool instead of elective pool.

Suggestion: Give the opportunity for the students to learn open elective courses

Action Taken: As per the regulations, currently we could not able to offer open elective courses for M.Tech students.

Suggestion: More stress is essential for Practical along with theoretical courses

Action Taken: As per the suggestion, theory amalgamated with laboratory has been offered. Even, Lab component is added for some elective courses also.

Action taken based on the suggestions from Parents:

Analysis of Overall Feedback given by the Parents on R 14

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	56.3	43.8	0	0	0	4.567	Excellent
Q2	18.8	81.3	0	0	0	4.192	Excellent
Q3	25	37.5	37.5	0	0	3.875	Very Good
Q4	43.8	37.5	18.8	0	0	4.254	Excellent
Q5	37.5	43.8	18.8	0	0	4.191	Excellent

Itemized responses given to the suggestions of Parents

Suggestion: Include CRT for M.Tech. students also.

Action Taken: It is already available and interested students can attend.

Suggestion: Provide opportunity to pursue Internship for M.Tech. students.

Action Taken: In the place of One-year long project at the institute, Student may undergo Internship at Industry also.

Suggestion: Courses on emerging skills are highly needed

Action Taken: As per the suggestion, we have included very good number of courses on emerging fields are offered in the New Regulation R 17.



HOD, CSE