

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING****Action Taken Report on B. Tech – Computer Science and Engineering Program R19 & R21 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 R19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	66.5	14.2	9.7	3.7	3.3	4.291	Excellent
Q2	65.9	14	10.7	3.5	3.3	4.279	Excellent
Q3	67.2	13.5	9.3	3.3	4.1	4.286	Excellent
Q4	67.3	13.6	9.5	3.1	3.9	4.295	Excellent
Q5	68.9	13.2	8.9	3.2	3.3	4.337	Excellent
Q6	68.4	12.6	9.5	3.3	3.6	4.311	Excellent
Q7	69.7	12.6	8.9	3.3	3	4.352	Excellent
Q8	68.8	12.3	9.2	3	4	4.308	Excellent
Q9	69.8	12.3	8.3	3.3	3.7	4.334	Excellent

Itemized responses given to the Suggestions of Students

Suggestion: Artificial intelligence should have lab component.

Action Taken: In R 22, we introduced Lab component for Machine Learning Course inline with the experiments of Artificial Intelligence.

Suggestions: Organise good number of workshops to improve hands on

Action Taken: Organized good number of the add-on and modular courses by industry experts. Encouraged the students to participate in global coding competitions and online certification courses.

Suggestion: Improve the practical knowledge on all aspects.

Action Taken: In R22, target 2 is useful for all the students to improve their practical skills because each and every subject, they have to convert at least one problem into practical way.

Suggestion: More courses for industrial needs are highly appreciable.

Action Taken: In R22, more emphasis was given to emerging courses of Machine learning, deep learning and artificial intelligence courses and added good number of courses as electives.

Suggestion: Please include more seminars and less weekend exams

Action Taken: In R22, the target 3 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.

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 19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	50	25	12.5	0	12.5	4	Excellent
Q2	37.5	25	25	0	12.5	3.75	Very Good
Q3	37.5	25	12.5	12.5	12.5	3.625	Very Good
Q4	50	25	12.5	0	12.5	4	Excellent
Q5	50	12.5	12.5	0	25	3.625	Very Good
Q6	50	12.5	0	25	12.5	3.625	Very Good
Q7	50	12.5	12.5	12.5	12.5	3.75	Very Good

Itemized responses given to the suggestions of Alumni

Suggestion: Introduce courses related to present technologies.

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

Suggestion: Introduce AI as Regular Course

Action Taken: In R22, AI is introduced under professional core.

Suggestion: Replace outdated courses with trending courses, only four course are suggested in final year.

Action Taken: We designed our course curriculum in such a way to meet the required number of credits and eligible for receiving the degree. However, in R22 curriculum number of courses are reduced to promote self-study.

Suggestion: Introduce courses to improve communication skills more.

Action Taken: Technical Seminar Courses were introduced as well as seminar presentations were integrated in daily teaching-learning.

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	91.2	8.8	0	0	0	4.912	Excellent
Q2	89.5	10.5	0	0	0	4.895	Excellent
Q3	94.7	5.3	0	0	0	4.947	Excellent
Q4	93	7	0	0	0	4.93	Excellent
Q5	96.5	3.5	0	0	0	4.965	Excellent
Q6	94.7	3.5	0	1.8	0	4.911	Excellent
Q7	91.2	8.8	0	0	0	4.912	Excellent
Q8	96.5	3.5	0	0	0	4.965	Excellent
Q9	91.2	8.8	0	0	0	4.912	Excellent

Itemized responses given to the suggestions of Faculty

Suggestion: Basic operational concepts, pipelining not included in Computer Organization and Architecture Course Syllabus. It is better to include in the syllabus as those topics are very important in Gate point of view.

Action Taken: In R22 course content of Computer Organization and Architecture is revised and we introduced Basic operational concepts, Micro operations and Stack organization.

Suggestion: In R19 Python Programming Course Database Connectivity, Web Services concepts are not covered, it's better to include.

Action Taken: In R22 revision we included Database Connectivity, Web Services, GUI programming in Python Programming course.

Suggestion: Better to revise lab component for Web Technologies.

Action Taken: In R22 Web Technologies lab component was changed.

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 19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	81.8	18.2	0	0	0	4.818	Excellent
Q3	90.9	9.1	0	0	0	4.909	Excellent
Q4	90.9	9.1	0	0	0	4.909	Excellent
Q5	81.8	18.2	0	0	0	4.818	Excellent

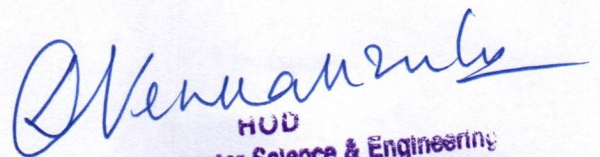
Itemized responses given to the suggestions of Employers

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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