



DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENGINEERING

Action Taken Report on MTech EMBEDDED SYSTEMS (ES) Program R 14 Feedback Implemented in R 17 introduced in the AY 2017 - 18

Action taken based on the suggestions from Faculty:

- Q1: Curriculum designed is in tune with program Vision and Mission
Q2: Contents of the curriculum enhances the core competencies and employability skills
Q3: Allocation of Credits to the Courses Satisfiable
Q4: Contact Hour Distribution among the various Course Components (LTP) is Satisfiable
Q5: Electives offered in the program makes the faculty to explore latest technologies
Q6: Curriculum providing opportunity towards self-learning to meet the expectations
Q7: Number of theoretical courses and laboratory sessions sufficient to improve the technical and research skills of students

Analysis of Overall Feedback given by the Faculty on R 14

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	33.3	66.7	0	0	0	4.333	Excellent
Q2	55.6	44.4	0	0	0	4.556	Excellent
Q3	44.4	55.6	0	0	0	4.444	Excellent
Q4	44.4	55.6	0	0	0	4.444	Excellent
Q5	22.2	77.8	0	0	0	4.222	Excellent
Q6	66.7	22.2	11.1	0	0	4.556	Excellent
Q7	44.4	44.4	11.1	0	0	4.329	Excellent
Q8	44.4	55.6	0	0	0	4.444	Excellent
Q9	0	0	0	0	0	0	Unsatisfactory

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 Internet of Things into Professional Core Pool instead of electives.

Action Taken: Emerging courses with employability such as IOT and Network Security are offered under Professional Core category.

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 has paved a good foundation in understanding the concepts

Q2. Course Contents of Curriculum fulfilled the specified Program Outcomes

Q3. Curriculum imparted all the required Job Oriented Skills / prerequisite to pursue higher education

Q4. Electives of Curriculum served the technical advancements needed to serve in the industry

Q5. Tools and Methodologies followed during practical sessions has enriched the required practical knowledge to serve in Industry

Q6. Competency with your peers from other Institutions

Q7. Current curriculum meets the present industry demands

Analysis of Overall Feedback given by the Alumni on R 14

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	100	0	0	0	0	5	Excellent
Q3	100	0	0	0	0	5	Excellent
Q4	100	0	0	0	0	5	Excellent
Q5	100	0	0	0	0	5	Excellent
Q6	0	0	0	0	0	0	Unsatisfactory
Q7	0	0	0	0	0	0	Unsatisfactory

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 IoT analytics course with laboratory. As it is having lot of job opportunities

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

Suggestion: Include emerging and industry required courses like IOT, Network security, Wireless communication in Core.

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

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:

Q1.Course Contents of Curriculum in tune with the Program Outcomes

Q2. Course Contents designed offered enriches Core Competencies

Q3.Courses offered in the curriculum serves the needs of Electronic/Embedded System Industries

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

Q5.Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas

Q6.Curriculum providing enable towards self-learning

Q7.Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas

Q8.No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical and research skills.

Analysis of Overall Feedback given by the Students on R 14

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	56.3	37.5	6.3	0	0	4.504	Excellent
Q2	43.8	56.3	0	0	0	4.442	Excellent
Q3	31.3	68.8	0	0	0	4.317	Excellent
Q4	50	43.8	6.3	0	0	4.441	Excellent
Q5	18.8	68.8	12.5	0	0	4.067	Excellent
Q6	31.3	50	18.8	0	0	4.129	Excellent
Q7	50	43.8	6.3	0	0	4.441	Excellent
Q8	25	75	0	0	0	4.25	Excellent
Q9	3.1	37.5	0	0	0	1.655	Unsatisfactory

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 Embedded Linux, Embedded Programming and IoT are included in the curriculum.

Suggestion: Provide high end software for project.

Action Taken: As per the suggestion Embedded Research Centre has been augmented with software inclusion

Suggestion: Please conduct Training Programs and Induction Courses

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

Suggestion: Smart Instrumentation and Soft Computing 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 Contents of MTech Embedded system Curriculum is in tune with the Program Outcomes

Q2: Relevance of the Course Contents in tune with the Electronic/Embedded Industry Demands

Q3: Elective are in-line with the technology advancements in Modeling and Design Sectors

Q4: Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry

Analysis of Overall Feedback given by the Employers on R 14

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	60	40	0	0	0	4.6	Excellent
Q2	100	0	0	0	0	5	Excellent
Q3	0	100	0	0	0	4	Excellent
Q4	40	60	0	0	0	4.4	Excellent
Q5	20	60	0	0	0	3.4	Good

Itemized responses given to the suggestions of Employers

Suggestion: More emphasis is needed on emerging courses like IoT and Network Security

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

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	40	60	0	0	0	4.4	Excellent
Q2	0	100	0	0	0	4	Excellent
Q3	20	60	0	0	20	3.6	Very Good
Q4	60	40	0	0	0	4.6	Excellent
Q5	20	60	20	0	0	4	Excellent

Itemized responses given to the suggestions of Parents

Suggestion: Include CRT for MTech. students also.

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

Suggestion: Provide opportunity to pursue Internship for MTech. 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.


CHAIRMAN BOS