

**VIGNAN'S**

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENGINEERING**Action Taken Report on MTech EMBEDDED SYSTEMS (ES) Program R 17 Feedback****Implemented in R20 introduced in the AY 2020 - 21*****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 17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	57.1	42.9	0	0	0	4.571	Excellent
Q2	57.1	42.9	0	0	0	4.571	Excellent
Q3	50	50	0	0	0	4.5	Excellent
Q4	35.7	64.3	0	0	0	4.357	Excellent
Q5	35.7	64.3	0	0	0	4.357	Excellent
Q6	64.3	35.7	0	0	0	4.643	Excellent
Q7	42.9	57.1	0	0	0	4.429	Excellent
Q8	42.9	57.1	0	0	0	4.429	Excellent
Q9	0	0	0	0	0	0	Unsatisfactory

Itemized responses given to the Suggestions of Faculty**Suggestion:** Include Minor/ Mini Projects along with Theory and Lab Courses**Action Taken:** As per your suggestion, we have included Mini Project in second sem.**Suggestion:** As per the industry requirement, it is better to offer Neural Network course.**Action Taken:** Neural Network is offered in Professional Elective Pool.**Suggestion:** Offer some courses on online platform which promote self-learning**Action Taken:** Students have been given with the opportunity to do some courses through nptel.

Suggestion: Better to re-introduce seminars

Action Taken: Suggestion has been honoured and included the seminar course.

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 17

	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	75	25	0	0	0	4.75	Excellent
Q4	100	0	0	0	0	5	Excellent
Q5	75	25	0	0	0	4.75	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: Cyber Security is a growing field. Suggested to include some more courses on Communication

Action Taken: Courses like wireless communication related courses are offered under mandatory

Suggestion: Include online courses for credits.

Action Taken: Yes, included

Suggestion: Give more emphasis on research projects in thrust areas. Try to increase the scope for improving the quality of research projects

Action Taken: To encourage students towards research projects; major thrust areas are offered under Professional Core.

Suggestion: Based on the growing importance of Deep Learning; better to include it in the Curriculum.

Action Taken: Suggestion was honoured and included as an elective course.

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 17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	78.9	21.1	0	0	0	4.789	Excellent
Q2	63.2	36.8	0	0	0	4.632	Excellent
Q3	57.9	42.1	0	0	0	4.579	Excellent
Q4	47.4	52.6	0	0	0	4.474	Excellent
Q5	52.6	47.4	0	0	0	4.526	Excellent
Q6	26.3	73.7	0	0	0	4.263	Excellent
Q7	36.8	63.2	0	0	0	4.368	Excellent
Q8	42.1	57.9	0	0	0	4.421	Excellent
Q9	0	0	0	0	0	0	Unsatisfactory

Itemized responses given to the suggestions of Students

Suggestion: Reduce the number of courses and credits

Action Taken: As per the UGC/ AICTE recommendations, we have reduced the credits.

Suggestion: Include mini project course in the first year

Action Taken: Yes, Mini project course is included.

Suggestion: Majority of the Courses are related to Embedded areas. Please give some more options in Networks & Security

Action Taken: As per the suggestion, we have included good number of courses on Networks & Security.

Suggestion: Please include some courses on these areas.

Action Taken: As per the suggestion, courses such as neural network and soft computing included in elective pool.

Action taken based on the suggestions from Employers:

Q1: Course Contents of M.Tech Electronics/Embedded System Curriculum is in tune with the Program Outcomes

Q2: Relevance of the Course Contents in tune with the Electronics/Embedded System 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 17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	85.7	14.3	0	0	0	4.857	Excellent
Q2	28.6	57.1	0	0	0	3.714	Very Good
Q3	28.6	57.1	0	0	0	3.714	Very Good
Q4	28.6	57.1	14.3	0	0	4.143	Excellent
Q5	28.6	28.6	0	0	0	2.574	Moderate

Itemized responses given to the suggestions of Employers

Suggestion: Give scope for implementation of Project based learning

Action Taken: To honour this suggestion, Mini Projects and Societal Centric projects are included.

Suggestion: More emphasis is needed to offer emerging courses such as Machine Learning.

Action Taken: Yes, as per the suggestion we have included good no. of emerging courses in the curriculum.

Suggestion: Motivate the students to carry out industry-oriented projects along with research projects.

Action Taken: To honour this suggestion, various kinds of project courses are offered in the curriculum.

Action taken based on the suggestions from Parents:

- Q1. Satisfaction of Academic and Emotional Progression of your ward
- Q2. Satisfaction with the offered curriculum for your wards future endeavours
- Q3. Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our University
- Q4. Your wards competency with the students from other Institutes
- Q5. Curriculum offered is in tune with current Industry needs

Analysis of Overall Feedback given by the Parents on R 17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	62.5	37.5	0	0	0	4.625	Excellent
Q2	37.5	62.5	0	0	0	4.375	Excellent
Q3	50	50	0	0	0	4.5	Excellent
Q4	62.5	37.5	0	0	0	4.625	Excellent
Q5	37.5	50	12.5	0	0	4.25	Excellent

Itemized responses given to the suggestions of Parents

Suggestion: Include the courses which improve the employability.

Action Taken: Employability orientation program, Mini Projects, Societal Centric Projects, Internship and employable courses are meant to improve the employability opportunities of the students.

Suggestion: Reduce the number courses in first year

Action Taken: Yes, as per the suggestion number of courses are reduced in the first year.

Suggestion: Give the opportunity to learn some courses through online

Action Taken: As per the suggestions, students have been given the flexibility to acquire some credits through online.


CHAIRMAN BOS