

**VIGNAN'S**

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**Action Taken Report on MTech VLSI (VT) Program R 17 Feedback
Implemented in R 20 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	60	40	0	0	0	4.6	Excellent
Q2	60	40	0	0	0	4.6	Excellent
Q3	50	50	0	0	0	4.5	Excellent
Q4	60	40	0	0	0	4.6	Excellent
Q5	40	60	0	0	0	4.4	Excellent
Q6	70	20	10	0	0	4.6	Excellent
Q7	50	40	10	0	0	4.4	Excellent
Q8	50	50	0	0	0	4.5	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 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 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	16.7	83.3	0	0	0	4.167	Excellent
Q2	50	50	0	0	0	4.5	Excellent
Q3	16.7	83.3	0	0	0	4.167	Excellent
Q4	50	50	0	0	0	4.5	Excellent
Q5	16.7	83.3	0	0	0	4.167	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 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:

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 Electrical and Allied 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	33.3	57.1	9.5	0	0	4.234	Excellent
Q2	28.6	57.1	14.3	0	0	4.143	Excellent
Q3	9.5	57.1	23.8	0	9.5	3.568	Very Good
Q4	28.6	47.6	19	4.8	0	4	Excellent
Q5	38.1	38.1	19	4.8	0	4.095	Excellent
Q6	9.5	61.9	23.8	4.8	0	3.761	Very Good
Q7	14.3	61.9	23.8	0	0	3.905	Very Good
Q8	28.6	52.4	19	0	0	4.096	Excellent
Q9	0	0	0	0	0	0	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 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 MTech 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 Contents of MTech Power Electronics and Drives Curriculum is in tune with the Program Outcomes

Q2: Relevance of the Course Contents in tune with the Power electronics Industry Demands

Q3: Elective are in-line with the technology advancements in Modelling 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	0	57.1	42.9	0	0	3.571	Very Good
Q2	42.9	14.3	42.9	0	0	4.004	Excellent
Q3	0	100	0	0	0	4	Excellent
Q4	0	100	0	0	0	4	Excellent
Q5	0	42.9	57.1	0	0	3.429	Good

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 MTech 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:

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	90	0	0	0	0	4.5	Excellent
Q2	40	50	0	0	0	4	Excellent
Q3	70	20	0	0	0	4.3	Excellent
Q4	70	20	0	0	0	4.3	Excellent
Q5	0	90	0	0	0	3.6	Very Good

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