



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Action Taken Report on MTech VLSI (VT) 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	66.7	33.3	0	0	0	4.667	Excellent
Q3	66.7	33.3	0	0	0	4.667	Excellent
Q4	33.3	66.7	0	0	0	4.333	Excellent
Q5	33.3	66.7	0	0	0	4.333	Excellent
Q6	33.3	33.3	33.3	0	0	3.996	Very Good
Q7	33.3	33.3	33.3	0	0	3.996	Very Good
Q8	66.7	33.3	0	0	0	4.667	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:** Programming languages/Scripting Languages should be strengthened.



**Action Taken:** strengthened the Programming languages/Scripting Languages.

**Suggestion:** They suggested to move FPGA Course in to core subjects.

**Action Taken:** Included MSVHDL course in core subjects.

**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	50	50	0	0	0	4.5	Excellent
Q2	50	50	0	0	0	4.5	Excellent
Q3	50	50	0	0	0	4.5	Excellent
Q4	50	50	0	0	0	4.5	Excellent
Q5	50	50	0	0	0	4.5	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:** Need to increase the complexity and toughness in Digital design lab programs. Need to add more FSM related designs. Present syllabus have very simple programs

**Action Taken:** More emphasis given on simulation/software based experiments.

**Suggestion:** In Scripting Languages, Perl and tcl are enough. If possible, add some lab session for this subject to get practical experience.

**Action Taken:** Modified scripting languages subject

**Suggestion:** It was very helpful for digital to have system Verilog and UVM methodology subjects in the syllabus.

**Action Taken:** Added course verification methodologies.

**Suggestion:** Include more number of courses which generate employability

**Action Taken:** Courses with employability has been increased.

***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 14

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	42.9	57.1	0	0	0	4.429	Excellent
Q2	57.1	42.9	0	0	0	4.571	Excellent
Q3	28.6	57.1	14.3	0	0	4.143	Excellent
Q4	28.6	42.9	28.6	0	0	4.004	Excellent
Q5	28.6	28.6	42.9	0	0	3.861	Very Good
Q6	0	57.1	42.9	0	0	3.571	Very Good
Q7	42.9	28.6	28.6	0	0	4.147	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 Students

**Suggestion:** Programming languages/Scripting Languages should be strengthened.

**Action Taken:** strengthened the Programming languages/Scripting Languages.

**Suggestion:** Need to strengthen ASIC course. And this course need to be industry oriented as more opportunities are available in this field.

**Action Taken:** strengthened ASIC course as chip design.

**Suggestion:** They suggested to move FPGA Course in to core subjects.

**Action Taken:** Included MSVHDL course in core subjects.

**Suggestion:** Campus recruitment training is good, try to increase the no of contact hors on CRT.

**Action Taken:** EoP is added in the curriculum to strengthen CRT.

**Suggestion:** They suggested to increase core industry internships.

**Action Taken:** Provision is given for industry internships.

#### *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 14

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	0	50	50	0	0	3.5	Very Good
Q2	50	0	50	0	0	4	Excellent
Q3	0	100	0	0	0	4	Excellent
Q4	0	100	0	0	0	4	Excellent
Q5	0	50	50	0	0	3.5	Very Good

### Itemized responses given to the suggestions of Employers

**Suggestion:** Instead of only Python, they suggested to include TCL/TK in scripting languages.

**Action Taken:** Strengthened scripting languages course by adding lab

**Suggestion:** suggested to add verification methodologies course.

**Action Taken:** added verification methodologies course.

**Suggestion:** suggested to have a course on testing in core subjects

**Action Taken:** included course on testing in core subjects

**Suggestion:** suggested to add RFIC Design course.

**Action Taken:** added RFIC Design course.

**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 14**

	<b>Strongly Agree</b>	<b>Agree</b>	<b>Moderate</b>	<b>Disagree</b>	<b>Strongly Disagree</b>	<b>Avg. Rating</b>	<b>Grade</b>
<b>Q1</b>	46.7	53.3	0	0	0	4.467	Excellent
<b>Q2</b>	73.3	26.7	0	0	0	4.733	Excellent
<b>Q3</b>	73.3	26.7	0	0	0	4.733	Excellent
<b>Q4</b>	0	100	0	0	0	4	Excellent
<b>Q5</b>	100	0	0	0	0	5	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