VIGNAN'S
Foundation for Science, Technology & Research
UNIVERSITY
(Estd u/s 3 of UGC Act of 1956)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Action Taken Report on M. Tech, PED Program R 14 Feedback

Implemented in R17 introduced in the AY 2017 - 18

Action taken based on the suggestions from Students:

Q1. Course Contents of Curriculum are 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 AlliedIndustries
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. No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical and research skills..
Q8. Research Projects improved the technical competency and leadership skills
Q9. Tools and technologies described in the curriculum are enough to design and develop new applications.

Analysis of Overall Feedback given by the Students on R 14

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	7.5	92.5	0	0	0	4.075	Excellent
Q2	4.5	95.5	0	0	0	4.045	Excellent
Q3	7.5	92.5	0	0	0	4.075	Excellent
Q4	10.4	89.6	0	0	0	4.104	Excellent
Q5	4.5	95.5	0	0	0	4.045	Excellent
Q6	10.4	89.6	0	0	0	4.104	Excellent
Q7	10.4	89.6	0	0	0	4.104	Excellent
Q8	3	97	0	0	0	4.03	Excellent
Q9	41.8	56.7	0	0	0	4.358	Excellent

Itemized responses given to the Suggestions of Students

- **Suggestion**: Add artificial intelligence related subjects into the curriculum
  Action Taken: AI techniques in electrical engineering course have been introduced in R17 curriculum.
- **Suggestion**: Add digital control based courses into the curriculum
  Action Taken: Processor applications in electrical engineering and digital control of power electronics courses are introduced.
- **Suggestion**: Strengthen Practical exposure in core courses
  Action Taken: Increased number of hours for laboratory courses by integrating theory with lab

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

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	0	74.6	25.4	0	0	3.746	Very Good
Q2	23.8	17.5	46	12.7	0	3.524	Very Good
Q3	15.9	41.3	30.2	0	12.7	3.48	Good
Q4	54	9.5	36.5	0	0	4.175	Excellent
Q5	25.4	49.2	25.4	0	0	4	Excellent
Q6	15.9	25.4	58.7	0	0	3.572	Very Good
Q7	23.8	47.6	28.6	0	0	3.952	Very Good

Itemized responses given to the suggestions of Alumni

Suggestion: Include renewable energy subjects

Action Taken: Introduced New and Renewable Energy Sources and Technologies, solar energy conversion and energy audit, conservation & management courses related to renewable energy.

Suggestion: add industry based courses

Action Taken: Introduced Analysis of Inverters, SMPS based converters courses which are related to power electronics industries.

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

Q8.Courses with laboratory sessions are sufficient to improve the technical skills of students

Q9.Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students

Analysis of Overall Feedback given by the Faculty on R 14

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	45.5	48.5	6.1	0	0	4.398	Excellent
Q2	54.5	42.4	3	0	0	4.511	Excellent

Q3	57.6	42.4	0	0	0	4.576	Excellent
Q4	45.5	33.3	21.2	0	0	4.243	Excellent
Q5	54.5	42.4	3	0	0	4.511	Excellent
Q6	54.5	36.4	9.1	0	0	4.454	Excellent
Q7	48.5	42.4	9.1	0	0	4.394	Excellent
Q8	39.4	57.6	3	0	0	4.364	Excellent
Q9	45.5	42.4	12.1	0	0	4.334	Excellent

Itemized responses given to the suggestions of Faculty

Suggestion: Expertise soft skills and communication skills as part of curriculum

Action Taken: Employability Orientation is offered as a course with two credits in II Semester.

Suggestion: Importance of control systems in power systems and power electronics must be included

Action Taken: Digital Control of Power Electronics and modern control theory courses are introduced.

Action taken based on the suggestions from Employers:

Q1. Course Contents of M.Tech 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

Q5. Applicability of the domains and the tools used for designing the experiments in terms of existing practices in the Electrical and Electronics Industry

Analysis of Overall Feedback given by the Employers on R 14

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	53.3	40	6.7	0	0	4.466	Excellent
Q2	40	60	0	0	0	4.4	Excellent
Q3	60	40	0	0	0	4.6	Excellent
Q4	46.7	53.3	0	0	0	4.467	Excellent
Q5	46.7	53.3	0	0	0	4.467	Excellent

Itemized responses given to the suggestions of Employers

Suggestion: Include micro processor based courses

Action Taken: Digital Control of Power Electronics and processor applications in electrical engineering courses are introduced.

- **Suggestion:** Introduce artificial intelligence course

  Action Taken: Introduced AI techniques in Electrical Engineering course

Action taken based on the suggestions from Parents:

1. Curriculum enhances the intellectual aptitude of your ward
2. Satisfaction with the offered curriculum for your wards future endeavours
3. Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our University
4. Your ward's competency with the students from other Institutes
5. Curriculum offered is in tune with current Industry needs

Analysis of Overall Feedback given by the Parents on R 14

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	43.9	36.6	19.5	0	0	4.244	Very Good
Q2	22	48.8	29.3	0	0	3.931	Very Good
Q3	22	51.2	26.8	0	0	3.952	Very Good
Q4	53.7	17.1	29.3	0	0	4.248	Excellent
Q5	41.5	41.5	17.1	0	0	4.248	Excellent

Itemized responses given to the suggestions of Parents

- **Suggestion:** Include faculty development oriented courses

  Action Taken: Employability Orientation is offered as a course with two credits in II Semester.

- **Suggestion:** Needs more improvement to add industry oriented courses

  Action Taken: Introduced Analysis of inverters, SMPS based converters, Digital Control of power electronics and processor applications in electrical engineering courses related to power electronics industry.

HoD, EEE