VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be University)
-Estd. u/s 3 of UGC Act 1956

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Action Taken Report on B. Tech EEE Program R 19 Feedback Implemented in R21 introduced in the AY 2021 - 22

Action taken based on the suggestions from Students:

Q1. Course Contents of Curriculum are in tune with the Program Outcomes.
Q2. Course Contents are designed to enable Problem Solving Skills and Core competencies
Q3. Courses placed in the curriculum serves the needs of both advanced and slow learners.
Q4. Contact Hour Distribution among the various Course Components (LTP) is satisfiable.
Q5. The electives offered in relation to the Technological advancements in Electrical and allied fields.
Q6. The design of courses in the Curriculum is considered the extra learning or self learning.
Q7. Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable.
Q8. 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 Students on R 19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	79	19.4	1.6	0	0	4.774	Excellent
Q2	79	17.7	3.2	0	0	4.754	Excellent
Q3	74.2	22.6	3.2	0	0	4.71	Excellent
Q4	77.4	21	1.6	0	0	4.758	Excellent
Q5	72.6	25.8	1.6	0	0	4.71	Excellent
Q6	79	19.4	1.6	0	0	4.774	Excellent
Q7	75.8	21	1.6	0	1.6	4.694	Excellent
Q8	79	19.4	1.6	0	0	4.774	Excellent
Q9	75.8	22.6	1.6	0	0	4.742	Excellent

Itemized responses given to the Suggestions of Students

Suggestion: Offer more number of CSE/IT courses as open electives
Action Taken: Introduced 5 CSE/IT courses as open elective courses in addition to regular courses related to CSE/IT.
Suggestion: Required OOPS concepts for software placements
Action Taken: OOPS through JAVA course is offered as a open elective.
Suggestion: Introduce project based on software skills
Action Taken: Mini project is introduced related to software skills.

Action taken based on the suggestions from Alumni:

Q1. Curriculum has paved a good foundation in understanding the basic engineering concepts

Q2. Course Contents of Curriculum are in tune with the Program Outcomes

Q3. Curriculum imparted all the required Job Oriented Skills

Q4.The offering of the electives in relation to the Technological advancements and serve the needed in the industry

Q5.Tools and Technologies learnt during laboratory sessions has enriched the skills

Q6.Ability to compete with your peers from other Universities

Q7.The curriculum relevant to job and future aspirations

Analysis of Overall Feedback given by the Alumni on R 19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	52.6	26.3	15.8	0	0	4.156	Excellent
Q2	52.6	31.6	5.3	5.3	0	4.159	Excellent
Q3	52.6	26.3	10.5	0	5.3	4.05	Excellent
Q4	73.7	5.3	15.8	0	0	4.371	Excellent
Q5	57.9	21.1	5.3	10.5	0	4.108	Excellent
Q6	63.2	26.3	5.3	0	0	4.371	Excellent
Q7	63.2	10.5	10.5	10.5	0	4.105	Excellent

Itemized responses given to the suggestions of Alumni

Suggestion: Focus on the real time technologies in software like JavaScript, Data Structures or design subjects as MATLAB and PLC with certification

Action Taken: OOPS through JAVA is introduced in curriculum as open elective course, Data structures course is offered as a regular course in II year and MATLAB will be learn from laboratory experiments in power electronic devices and circuits and power systems courses.

Suggestion: We can add few electrical softwares that are currently employed by top class core companies (Eg. Hyundai , etc.,)

Action Taken: MATLAB will be learn from laboratory experiments in power electronic devices and circuits and power systems courses.

Action taken based on the suggestions from Faculty:

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

Q2.The depth of the course content is adequate to have significant learning outcomes.

Q3.Curriculum is sufficient to bridge the gap between industry standards /current global scenarios and academics

Q4.The practical's enable to develop experimental, design, problem solving and analysis skills of the students.

Q5.The timely coverage of syllabus is possible in the mentioned number of hours.

Q6.The Curriculum providing opportunity towards Self learning to realize the expectations

Q7.Rate the capability of the curriculum for improving ethical values in students

Q8.The number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students

Q9.Electives enable the passion to learn new technologies in emerging area

Analysis of Overall Feedback given by the Faculty on R 19

Parameters	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	100	0	0	0	0	5	Excellent
Q7	100	0	0	0	0	5	Excellent
Q8	100	0	0	0	0	5	Excellent
Q9	100	0	0	0	0	5	Excellent

Itemized responses given to the suggestions of Faculty

Suggestion: It is highly required to transfer the subject "industrial electric drives" from electives to core and make it mandatory for the students as the country is moving towards the electric vehicles in the coming future.

Action Taken: Industrial electric drives course is offered as a regular core coure.
Suggestion: It would be better if we can incorporate the subject "data base management systems" in the curriculum as the students are moving in the direction of data science & machine learning.

Action Taken: data base management systems a course is introduced as an open elective.

Action taken based on the suggestions from Employers:

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

Q2.Curriculum helps in bridging gap between industry and academic institution.

Q3.Applicability of the domains and the tools used for designing the experiments in terms of existing practices in the Electrical and Electronics Industry.

Q4.Professional and Open Electives are in relation to the Technological advancements and fulfilling the needs of electrical and allied industries.

Q5.Curriculum develops skills to model and analyze the electrical and allied industrial issues.

Analysis of Overall Feedback given by the Employers on R 19

Parameters	**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

Itemized responses given to the suggestions of Employers

Suggestion: More emphasis should be given to computer programing.

Action Taken: Introduced C Programming for Problem Solving – I, C Programming for Problem Solving – II, Data Structures and Programming with Python courses in new curriculum to improve programming skills CSE/IT related open elective courses.

Suggestion: need to get practical exposure on ML

Action Taken: Courses related to machine learning are Soft computing Techniques, Statistics & Data Analytics, Deep Learning, Reinforcement Learning and Machine Learning introduced to get exposure on machine learning.

Suggestion: Add Machine learning basics as core course

Action Taken: Courses related to machine learning are Soft computing Techniques, Statistics & Data Analytics, Deep Learning, Reinforcement Learning and Machine Learning introduced to get exposure on machine learning.

HoD, EEE