



**VIGNAN'S**

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. w/s 3 of UGC Act 1956

**DEPARTMENT OF SCIENCE & HUMANITIES**

**Action Taken Report on B. Sc. Program R 17 Feedback  
Implemented in R20 introduced in the AY 2020 - 21**

**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. Electives have enabled the passion to learn new technologies in emerging areas
- Q6. Curriculum is providing opportunity towards Self learning to realize the expectations
- 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 17**

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	57.6	35	2.4	0	0	4.352	Excellent
Q2	50.7	42.1	1.2	0	0.9	4.264	Excellent
Q3	30	50.1	12.5	0.9	1.5	3.912	Very Good
Q4	30.3	35.3	25.2	1.2	3	3.737	Very Good
Q5	24.6	49.9	17.5	0.9	2.1	3.79	Very Good
Q6	32.6	43	19.3	0	0	3.929	Very Good
Q7	28.5	51.9	13.1	0	1.5	3.909	Very Good
Q8	29.1	53.4	11.6	0	0.9	3.948	Very Good
Q9	32.6	40.1	18.7	2.4	1.2	3.855	Very Good

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Itemized responses given to the Suggestions of Students

**Suggestion:** curriculum need to revise as per the current requirement.

**Action Taken:** Since Mathematics , computer and statistics are the core course of B.Sc. New trending subjects like Artificial intelligence has been introduced to the as well Numerical methods is introduced.

**Suggestion:** Add more hours for laboratory courses.

**Suggestion-** Lab need to improve and more clarification is required.

**Action Taken:** Increased number of hours for laboratory courses has been given.

**Suggestion:** communication skill need to improve.

**Action Taken:** English communication class has been given with improved laboratory facility.

**Action taken based on the suggestions from Faculty:**

- Q1.Course Contents of Curriculum are in tune with the Program Outcomes
- Q2.Course Contents enhance the Problem-Solving Skills and Core competencies
- Q3.Allocation of Credits to the Courses are satisfiable
- Q4.Contact Hour Distribution among the various Course Components (LTP) is Justifiable
- Q5.Electives enable the passion to learn new technologies in emerging areas
- Q6.Curriculum is providing opportunity towards Self learning
- Q7.Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable
- Q8.Courses with laboratory sessions are sufficient to improve the technical skills of students
- Q9.Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students

**Analysis of Overall Feedback given by the Faculty on R 17**

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
<b>Q1</b>	36.8	42.1	10.5	0	10.5	3.944	Very Good
<b>Q2</b>	36.8	47.4	5.3	5.3	5.3	4.054	Excellent
<b>Q3</b>	36.8	57.9	0	0	5.3	4.209	Excellent
<b>Q4</b>	47.4	31.6	15.8	0	5.3	4.161	Excellent
<b>Q5</b>	47.4	47.4	0	0	5.3	4.319	Excellent
<b>Q6</b>	47.4	31.6	10.5	5.3	5.3	4.108	Excellent
<b>Q7</b>	57.9	31.6	5.3	0	5.3	4.371	Excellent
<b>Q8</b>	52.6	31.6	10.5	0	5.3	4.262	Excellent
<b>Q9</b>	47.4	36.8	5.3	5.3	5.3	4.16	Excellen

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**Itemized responses given to the suggestions of Faculty**

**Suggestion:** Instead of distributed computing some recent advanced course can be implemented.

**Action Taken:** Data science, Big Data and machine learning has been introduced as electives.

**Suggestion:** More topics of algebra such as functions are to be included in group theory and Real analysis syllabus is good

**Action Taken:** Group theory and analysis syllabus has been streamlined.

**Suggestion:** Need more practical concepts in C subject

**Action Taken:** Practical in c language and web technology has been introduced.

**Suggestion:** If possible, please arrange field visits to nearby Agro-Industries and to slum areas to understand the basic economic life of the society and its progressive path in practical terms.

**Action Taken:** A mini project has been introduced in 4<sup>th</sup> semester to enable them visit the industry or field project.

**Action taken based on the suggestions from Employers:**

- Q1. Course Contents of Curriculum are in tune with the Program Outcomes
- Q2. Curriculum provides the scope for improving the required skills of IT and IT enabled Industry Demands
- Q3. Professional and Open Electives are fulfilling the ever- evolving needs of IT industries
- Q4. Tools and technologies described in the curriculum are enough to design and develop new applications of IT Industry.
- Q5. Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in IT Industry.

**Analysis of Overall Feedback given by the Employers on R 17**

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	0	0	14.3	85.7	0	2.143	Moderate
Q2	0	0	85.7	14.3	0	2.857	Moderate
Q3	0	14.3	71.4	14.3	0	3	Good
Q4	0	85.7	14.3	0	0	3.857	Very Good
Q5	42.9	14.3	14.3	28.6	0	3.718	Very Good

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### Itemized responses given to the suggestions of Employers

**Suggestion:** Add industry related courses

**Action Taken:** Artificial intelligence and machine learning course has been introduced.

**Suggestion:** Add automation courses

**Action Taken:** web technology has been introduced but automation course planned to introduce in the next revision.

### Action taken based on the suggestions from Parents:

1. Curriculum enhances the intellectual aptitude of your ward
2. Curriculum realizes the personality development and technical skilling of your ward
3. Satisfaction about the Academic, Emotional Progression of your ward
4. Competency of your ward is on par with the students from other Universities/Institutes
5. Course Curriculum is of the global standard and is in tune with the needs of IT and IT enabled industries

### Analysis of Overall Feedback given by the Parents on R 17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	41.6	31.5	0	0	3.4	3.374	Good
Q2	41.6	31.5	13.5	3.4	3.4	3.847	Very Good
Q3	34.3	38.8	10.1	0	10.1	3.671	Very Good
Q4	41.6	28.1	13.5	0	10.1	3.71	Very Good
Q5	41.6	21.3	20.2	3.4	6.7	3.673	Very Good

### Itemized responses given to the suggestions of Parents

**Suggestion:** foreign language must be kept from 1st year onwards

**Action Taken:** First of all they should be strong in English that's why we kept communication English with lab to strengthen the communication skill.

**Suggestion:** should include more courses before internships

**Action Taken:** Some new courses like AI has been introduced so that they can do the project in final year with new technology.

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