

# **G.Pulla Reddy Engineering College(Autonomous):Kurnool**

## **Consolidated Report of the Syllabus on S-23&S-20by Stake Holders**

### **Academic year : 2023-2024**

#### **Structured feedback for design and review of syllabus**

For the structured feedback design and review of syllabus, the feedback has been designed separately for Students, Academicians Alumni, Employer and collected the feedback forms from these Four groups through online and offline.

**1.The feedback has been designed for the Students with the following points and the ratings are followed as:**

1. Rate how challenging was the syllabus offered by the courses?
  2. Rate the appropriateness of the sequence of courses provided in the curriculum?
  3. Rate the sequence of the units /modules in the courses?
  4. Rate the curriculum in making you proficient in understanding the learning outcomes and complying it?
  5. Rate the offering of Electives, Interdisciplinary Elective (IDE) courses regarding their significance to our area of Specialization?
  6. Rate the flexibility in choosing the electives in relation to technology advancements?
  7. Rate the adequateness of the textbooks and references books and the weblinks mentioned for the courses?
  8. Rate the syllabus content of the courses in terms of burden on the students?
  9. Rate the percentage of the courses offering Lab Component?
  10. Rate the composition of the courses in terms of basic Sciences, Engineering Science, Humanities, discipline core, open electives, professional electives ,Project,etc?
- The ratings of the feedback are as follows:

#### **Scale indicators (Rating):**

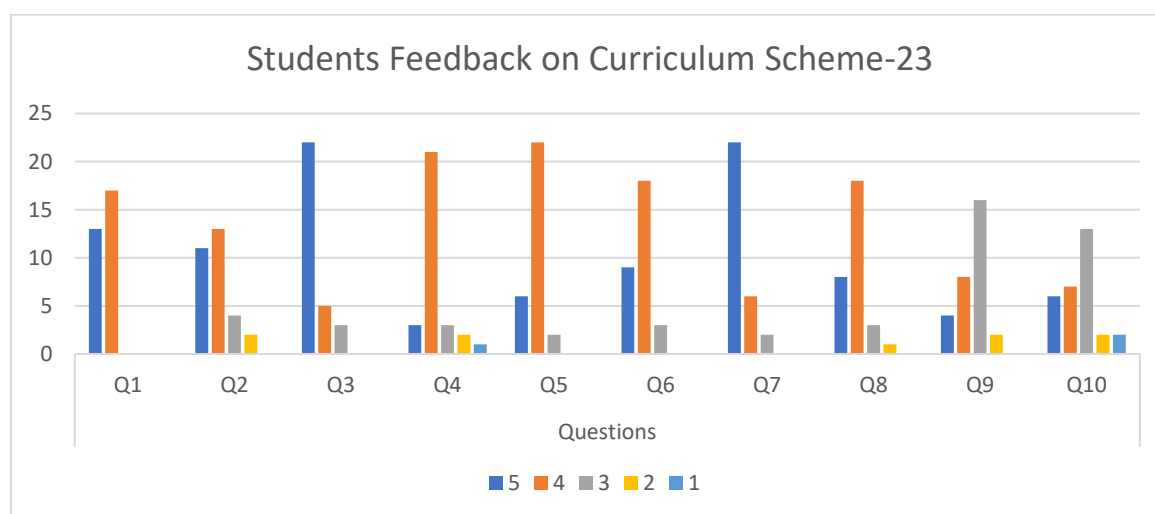
Excellent	: 5
Very Good	: 4
Good	: 3
Satisfactory	: 2
Inadequate	: 1

- 1a) The following data gives the feedback collected from the students for the Curriculum designed under Scheme-23.

No. of students responded on feedback: 30

<b>Rating</b>		<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>Questions</b>	<b>Q1</b>	13	17	0	0	0
	<b>Q2</b>	11	13	4	2	0
	<b>Q3</b>	22	5	3	0	0
	<b>Q4</b>	3	21	3	2	1
	<b>Q5</b>	6	22	2	0	0
	<b>Q6</b>	9	18	3	0	0
	<b>Q7</b>	22	6	2	0	0
	<b>Q8</b>	8	18	3	1	0
	<b>Q9</b>	4	8	16	2	0
	<b>Q10</b>	6	7	13	2	2

The following bar diagram represents the feedback collected from the students for the Curriculum designed under Scheme-23.



### Suggestions:

Artificial Intelligence and Advanced IoT related Hands-on Sessions to be included.

### Action taken:

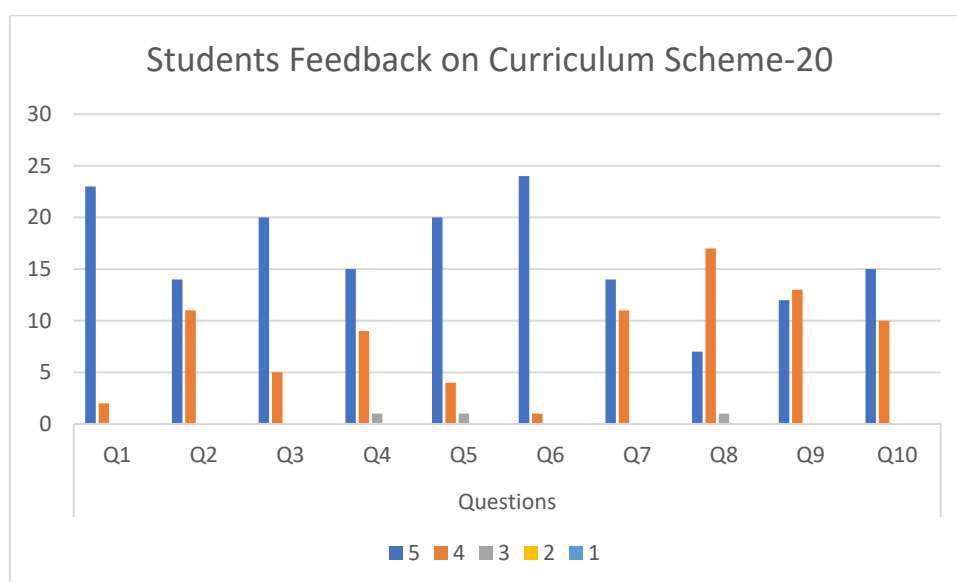
Guest lectures and Invited talks were conducted by Industry experts.

1b) The following data gives the feedback collected from the students for the Curriculum designed under Scheme-20.

No. Of students responded on feedback: 30

Ratings		5	4	3	2	1
Questions	Q1	23	2	0	0	0
	Q2	14	11	0	0	0
	Q3	20	5	0	0	0
	Q4	15	9	1	0	0
	Q5	20	4	1	0	0
	Q6	24	1	0	0	0
	Q7	14	11	0	0	0
	Q8	7	17	1	0	0
	Q9	12	13	0	0	0
	Q10	15	10	0	0	0

The following bar diagram represents the feedback collected from the students for the Curriculum designed under Scheme-20



### **Suggestions:**

Curriculum may include with skill oriented courses on Advanced topics in Machine learning.

Curriculum may include System on Chip and VLSI concepts to meet present trends in electronic industries.

### **Action taken:**

The curriculum was revised in BOS meetings and introduced skill oriented courses and emerging technologies like PCB Design Lab, Mobile App Development and Embedded Systems Programming Lab, Data science lab and introduced Internships (Industry & Community).

### **2.The feedback has been designed for the Academician with the following points and the ratings are followed as:**

1. Is the curriculum well focused?
2. Are the objectives of the curriculum well defined?
3. Is the content relevant to the needs of your profession?
4. Are the fundamentals included in the curriculum?
5. Is the application of knowledge taken care of?
6. Is the design of curriculum able to meet requirement of the course / programme?
7. Are the Assessment and evaluation procedures adequate for the curriculum?
8. Is the curriculum able to address the needs of the programme?

The ratings of the feedback are as follows:

#### Scale indicators (Rating):

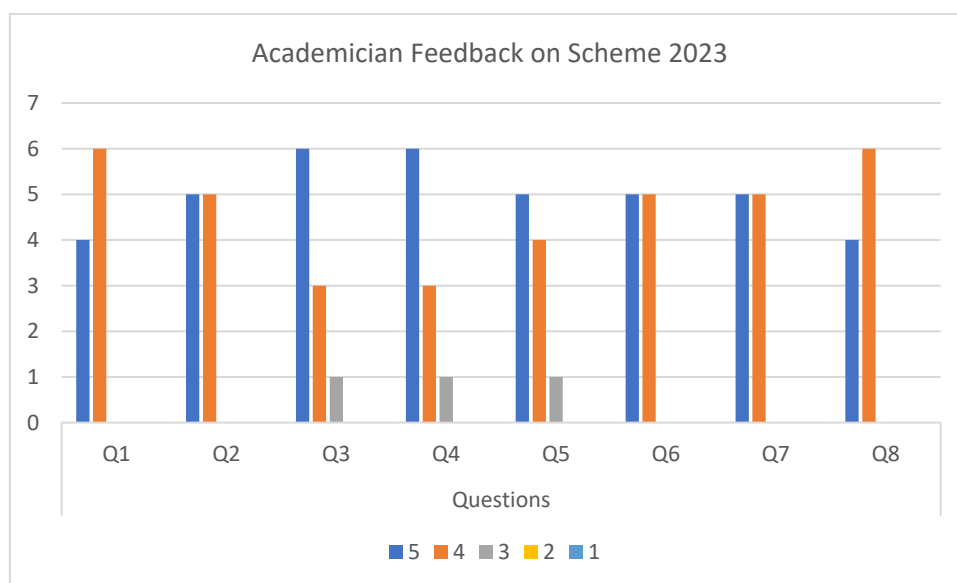
Excellent	: 5
Very Good	: 4
Good	: 3
Satisfactory	: 2
Inadequate	: 1

**2.a.**The following data gives the feedback collected from the Academicians for the Curriculum designed under Scheme-23

No. of Academicians responded:10

Rating		5	4	3	2	1
Questions	Q1	4	6	0	0	0
	Q2	5	5	0	0	0
	Q3	6	3	1	0	0
	Q4	6	3	1	0	0
	Q5	5	4	1	0	0
	Q6	5	5	0	0	0
	Q7	5	5	0	0	0
	Q8	4	6	0	0	0

The following bar diagram represents the feedback collected from the Academician for the Curriculum designed under S-23



### **Suggestions:**

- The curriculum is good based on present technology in Communications, VLSI, embedded related subjects and it is filling the gap between industry and academics.
- The curriculum is well framed to meet the needs of industry.

### **Action taken:**

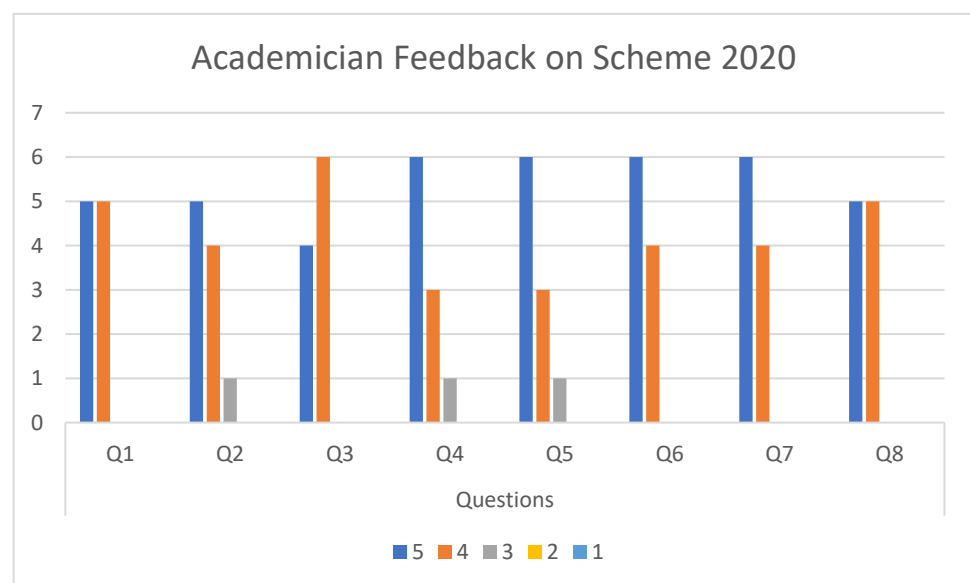
The current feedbacks received from Professors are quite Satisfactory and encouraging to us and does not demand any urgency to modify the syllabus. Thus, in this period no action has been taken.

2.b.The following data gives the feedback collected from the Academicians for the Curriculum designed under Scheme-20

No. of Academicians responded:10

Rating		5	4	3	2	1
Questions	Q1	5	5	0	0	0
	Q2	5	4	1	0	0
	Q3	4	6	0	0	0
	Q4	6	3	1	0	0
	Q5	6	3	1	0	0
	Q6	6	4	0	0	0
	Q7	6	4	0	0	0
	Q8	5	5	0	0	0

The following bar diagram represents the feedback collected from the Academician for the Curriculum designed under S-20



### **Suggestions:**

- Extended lab hours to be utilized by the students to invoke their creative thinking.
- Suggested to organize Handson sessions on RF System Design and VLSI related areas.

### **Action taken:**

The current feedbacks received from Professors of various reputed organizations, are quite Satisfactory and encouraging to us. Handson sessions on RF System Design and VLSI related areas were organized.



**3.The feedback has been designed for the Alumni with the following points and the ratings are followed as:**

1. Is the curriculum well focused?
2. Are the objectives of the curriculum well defined?
3. Is the content relevant to the needs of your profession?
4. Are the fundamentals included in the curriculum?
5. Is the application of knowledge taken care of?
6. Is the design of curriculum able to meet requirement of the course /programme?
7. Are the Assessment and evaluation procedures adequate for the curriculum?
8. Is the curriculum able to address the needs of the programme?

The ratings of the feedback are as follows:

Scale indicators (Rating):

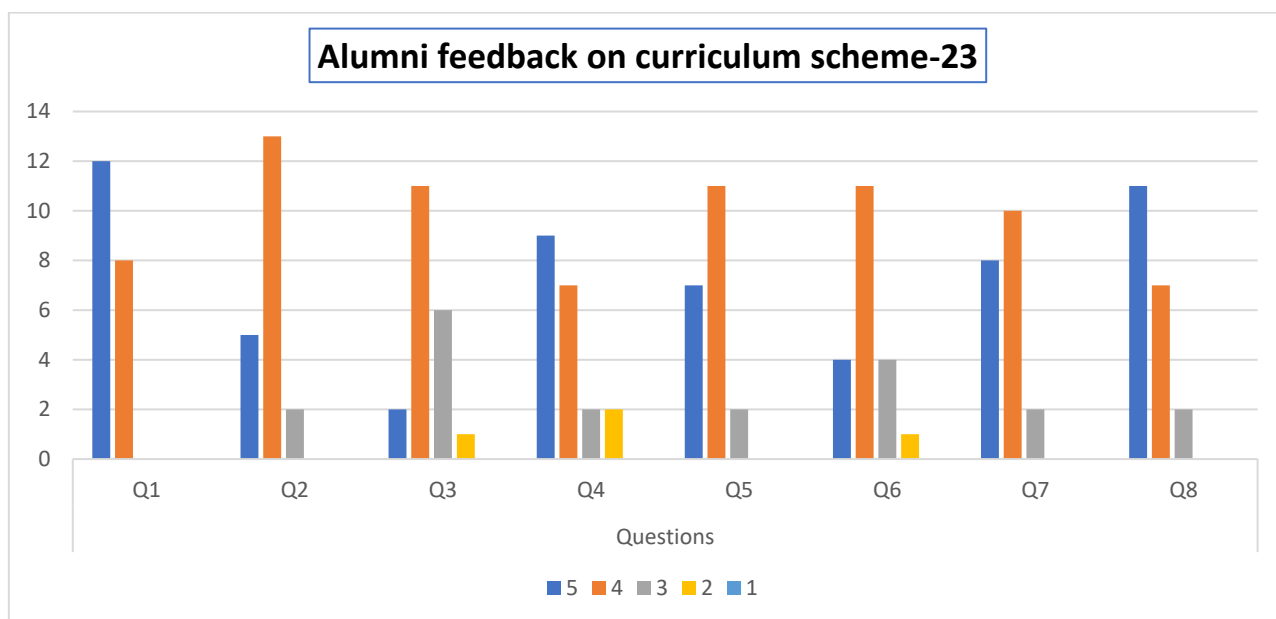
Excellent	: 5
Very Good	: 4
Good	: 3
Satisfactory	: 2
Inadequate	: 1

**3.a The following data gives the feedback collected from the alumni for the Curriculum designed under S-23.**

No. of alumni responded on feedback: 20

Rating		5	4	3	2	1
Questions	Q1	12	8	0	0	0
	Q2	5	13	2	0	0
	Q3	2	11	6	1	0
	Q4	9	6	2	2	1
	Q5	7	9	2	0	2
	Q6	4	11	4	1	0
	Q7	8	10	2	0	0
	Q8	11	7	2	0	0

The following bar diagram represents the feedback collected from the Alumni for the Curriculum designed under S-23.



### **Suggestions:**

- The Alumni Suggested to focus more on practical aspects.
- Industrial experts must be invited to give guest lectures.
- Laboratories should be opened beyond the working hours to access by students.
- Involve alumni in BOS and take their suggestions to revamp the curriculum to cater to the needs of the job market.

### **Action taken:**

Students were encouraged to take up research based on application projects Entrepreneurial skills of the students were encouraged.

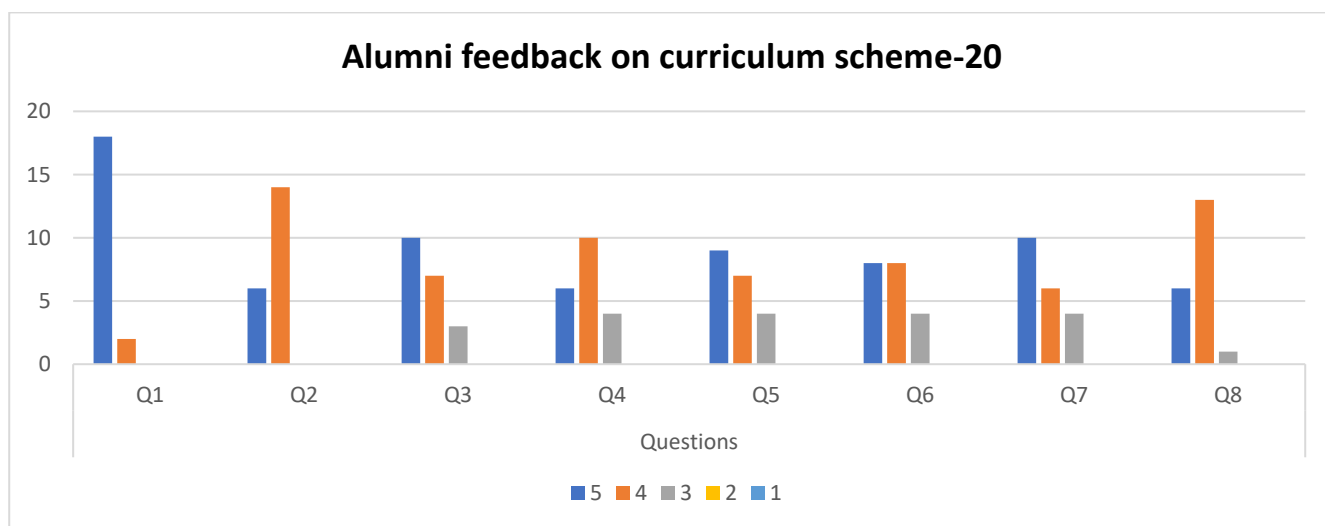
Suggestions by the alumni were considered and they were included in important decision-making processes prestigious alumina were invited to give motivational talks to the students.

**3.b. The following data gives the feedback collected from the alumni for the Curriculum designed under S-20.**

No. of alumni responded on feedback: 20

Rating		5	4	3	2	1
Questions	Q1	18	2	0	0	0
	Q2	6	14	0	0	0
	Q3	10	7	3	0	0
	Q4	6	10	4	0	0
	Q5	9	7	4	0	0
	Q6	8	8	4	0	0
	Q7	10	6	4	0	0
	Q8	6	13	1	0	0

The following bar diagram represents the feedback collected from the Alumni for the Curriculum designed under S-20.



**Suggestions:**

- The Alumni Suggested to focus more on practical aspects.
- Projects should be given more weight age as evaluation component.
- Technical Internships should be encouraged
- Industrial experts must be invited to give guest lectures.
- Involve alumni in BOS and take their suggestions to revamp the curriculum to cater to the needs of the job market.

**Action taken:**

Students were encouraged to take up research-based Internships.

Suggestions by the alumni were considered and they were included in important decision-making processes prestigious alumina were invited to give Internships to the students.

**4.The feedback has been designed for the Employers with the following points and the ratings are followed as:**

1. Is the curriculum well focused?
2. Are the objectives of the curriculum well defined?
3. Is the content relevant to the needs of your profession?
4. Are the fundamentals included in the curriculum?
5. Is the application of knowledge taken care of?
6. Is the design of curriculum able to meet requirement of the course / programme?
7. Are the Assessment and evaluation procedures adequate for the curriculum?
8. Is the curriculum able to address the needs of the programme?

The ratings of the feedback are as follows:

**Scale indicators (Rating):**

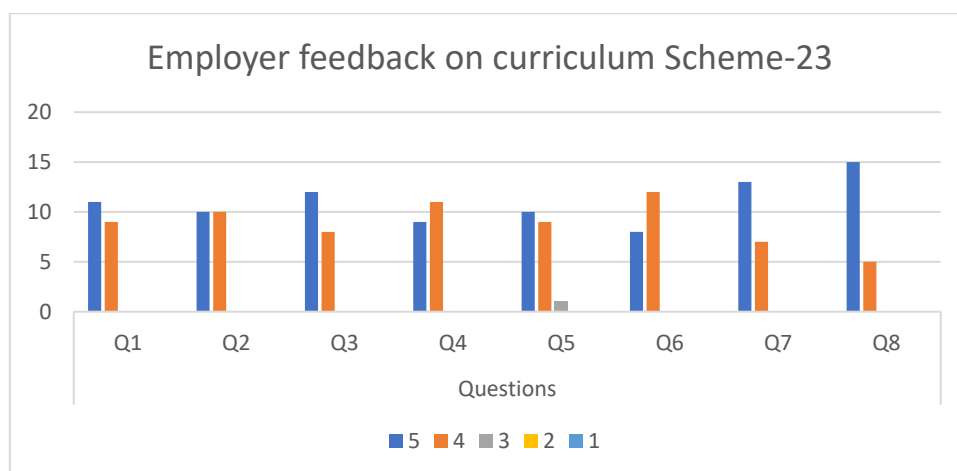
Excellent	: 5
Very Good	: 4
Good	: 3
Satisfactory	: 2
Inadequate	: 1

**4.a.The following data gives the feedback collected from the employers for the Curriculum designed Under S-23.**

No. of Industry Experts responded on feedback on curriculum :20

Rating		5	4	3	2	1
Questions	Q1	11	9	0	0	0
	Q2	10	10	0	0	0
	Q3	12	8	0	0	0
	Q4	9	11	0	0	0
	Q5	10	9	1	0	0
	Q6	8	12	0	0	0
	Q7	13	7	0	0	0
	Q8	15	5	0	0	0

The following bar diagram represents the feedback collected from the employers for the Curriculum designed underS-23.



### **Suggestions/Opinions/Recommendations on Curriculum(S-23)**

- If Industry people involve in assessing & mentoring the Projects, it would be great help for students & Faculty
- If students want go to software industry, motivate them to opt python, artificial intelligence, Machine Learning etc. as electives
- Workshops from experts on topics like data science and how AI is used in it will help gain practical knowledge
- Has good blend of the labs with the theoretical concepts.

### **Action Taken:**

The students are encouraged to undergo internships in reputed industries/organizations and industry people are invited for lectures

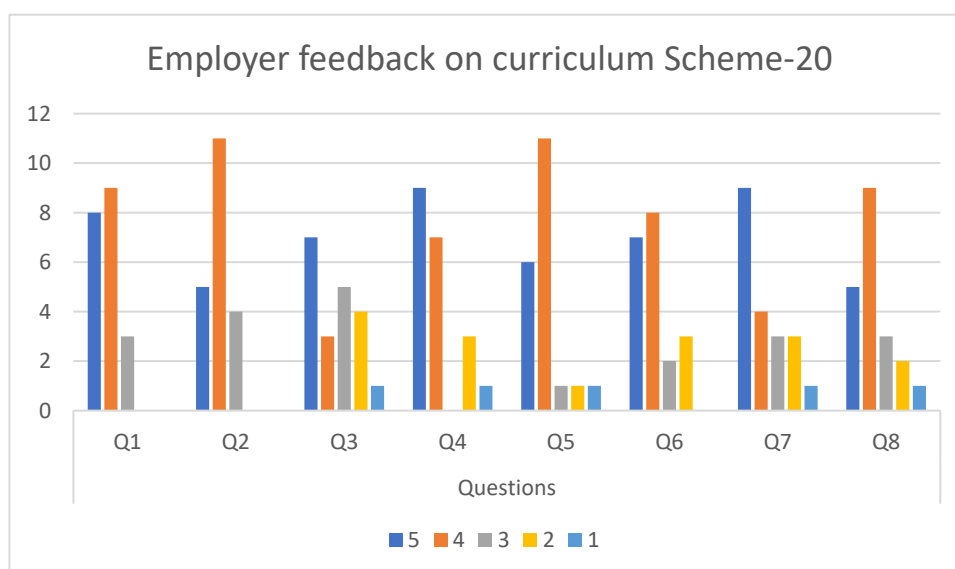
FDPs and webinars are conducted by industry experts in order to gain knowledge on VLSI,RF and Microwave Communicationsetc.

### **4.b.The following data gives the feedback collected from the employers for the Curriculum designed Under S-20.**

No. of Industry Experts responded on feedback on curriculum :20

Rating		5	4	3	2	1
Questions	Q1	8	9	3	0	0
	Q2	5	11	4	0	0
	Q3	7	3	5	4	1
	Q4	9	7	0	3	1
	Q5	6	11	1	1	1
	Q6	7	8	2	3	0
	Q7	9	4	3	3	1
	Q8	5	9	3	2	1

The following bar diagram represents the feedback collected from the employers for the Curriculum designed under S-20.



### **Suggestions/Opinions/Recommendations on Curriculum(S-20)**

- Involving industry professionals in assessing and mentoring Internships and Projects would provide significant benefits for both students and faculty.
- If students want to go to industry, motivate them to opt Robotics, Automation and Analog/RFIC Design etc. As electives
- Workshops from experts on topics like Analog and Digital VLSI Design using EDA tools and how EDA tools are used, it will help to gain practical knowledge.

### **Action Taken:**

The students are encouraged to undergo internships in reputed industries/organizations and industry people are invited for lectures.

FDPs and webinars are conducted by industry experts in order to gain knowledge on Robotics, Automation and Analog/RFIC Design etc.