

**SONA COLLEGE OF TECHNOLOGY, SALEM-5**  
**DEPARTMENT OF BIOMEDICAL ENGINEERING**  
**FEEDBACK ON SYLLABUS (2021-22 ODD SEM)**

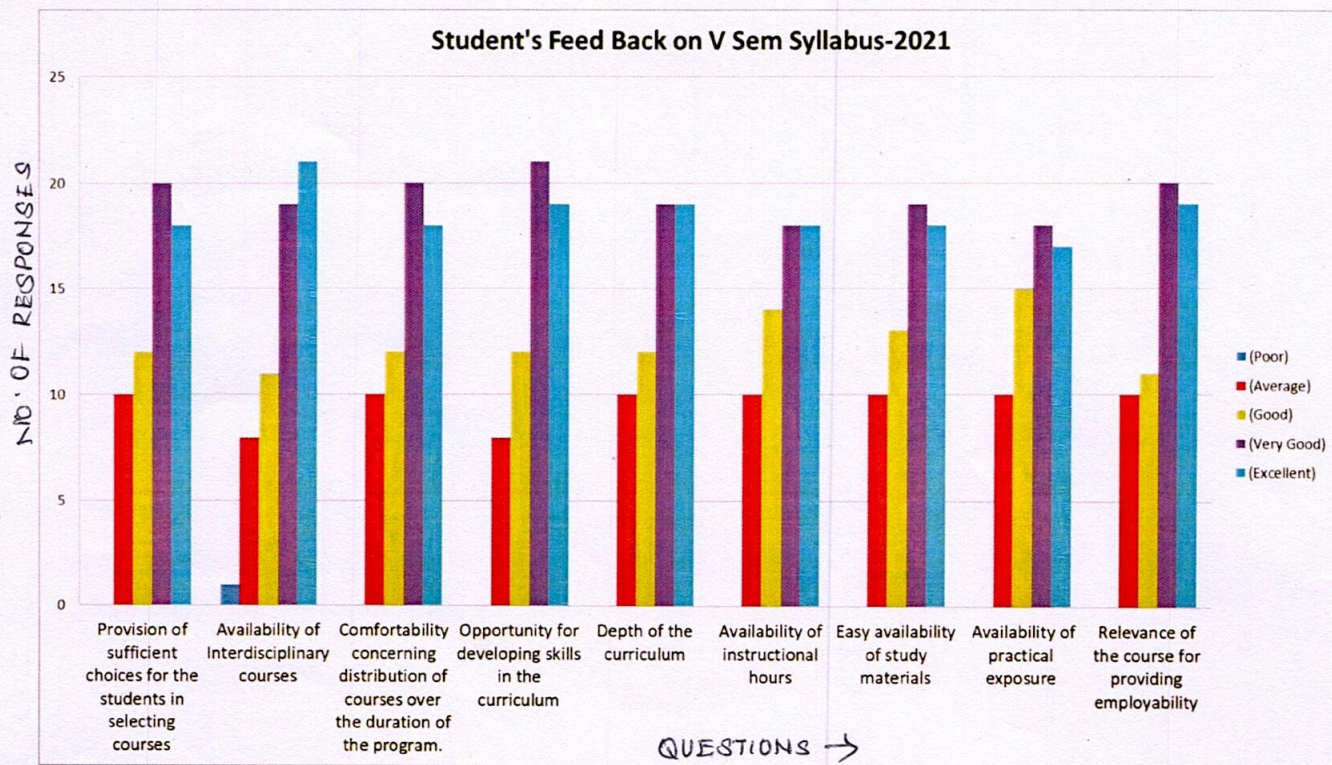
**FEEDBACK ANALYSIS REPORT OBTAINED FROM VARIOUS STAKEHOLDERS**

**Feedback from Stakeholders**

The department conducts the activity in obtaining structured feedback on curriculum from internal and external stakeholders. Feedback is collected on various points through Google form circulated through e-mail. The collected feedback is then analyzed and the report is submitted to the Academic Council. The syllabus of various courses undergoes timely revision and most of the concerns are addressed in the revised syllabus. The feedback form consists of items specific to the stakeholders and there are statements which are rated on a 5 point rating scale (0-poor, 1-average, 2-Good, 3-Very Good, 4- Excellent) and one item is qualitative in nature for their open comments. Feedback is taken anonymously from the stakeholders. The stakeholder's feedbacks are taken by holding yearly meeting where number of stakeholders varies according to their availability. The teachers' feedbacks are collected in random basis and rotation basis where the new and old recruited teachers are selected randomly.

**STUDENTS' FEEDBACK ANALYSIS**

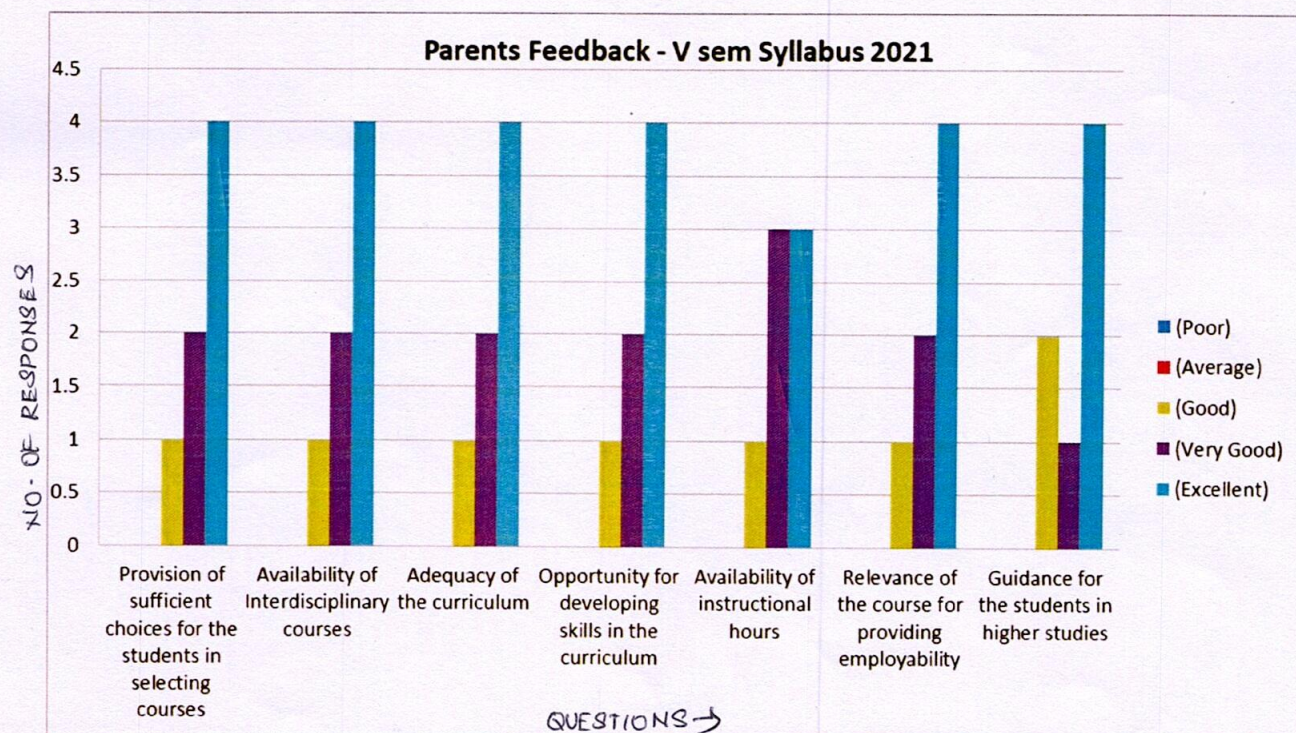
| S.No | Particulars                                                                         | (Poor)<br>0 | (Average)<br>1 | (Good)<br>2 | (Very Good)<br>3 | (Excellent)<br>4 | Total |
|------|-------------------------------------------------------------------------------------|-------------|----------------|-------------|------------------|------------------|-------|
| 1    | Provision of sufficient choices for the students in selecting courses               | 0           | 10             | 12          | 20               | 18               | 60    |
| 2    | Availability of Interdisciplinary courses                                           | 1           | 8              | 11          | 19               | 21               | 60    |
| 3    | Comfortability concerning distribution of courses over the duration of the program. | 0           | 10             | 12          | 20               | 18               | 60    |
| 4    | Opportunity for developing skills in the curriculum                                 | 0           | 8              | 12          | 21               | 19               | 60    |
| 5    | Depth of the curriculum                                                             | 0           | 10             | 12          | 19               | 19               | 60    |
| 6    | Availability of instructional hours                                                 | 0           | 10             | 14          | 18               | 18               | 60    |
| 7    | Easy availability of study materials                                                | 0           | 10             | 13          | 19               | 18               | 60    |
| 8    | Availability of practical exposure                                                  | 0           | 10             | 15          | 18               | 17               | 60    |
| 9    | Relevance of the course for providing employability                                 | 0           | 10             | 11          | 20               | 19               | 60    |



Analysis of the feedback results indicate that all the domains have been rated by the students as very to excellent. Opportunity for developing skills, Easy availability of study materials and Relevance of the course for providing employability in the curriculum as mostly good. Comfortability concerning distribution of courses over the duration of the program, Opportunity for developing skills in the curriculum, Depth of the curriculum and Availability of instructional hours were rated mostly as very good and excellent. The qualitative domain suggested that the students wanted more seminars and workshops to be arranged. They also wanted some short term courses and classes specific for competitive exams.

## PARENTS' FEEDBACK ANALYSIS

| S.No | Particulars                                                           | (Poor)<br>0 | (Average)<br>1 | (Good)<br>2 | (Very Good)<br>3 | (Excellent)<br>4 | Total |
|------|-----------------------------------------------------------------------|-------------|----------------|-------------|------------------|------------------|-------|
| 1    | Provision of sufficient choices for the students in selecting courses | 0           | 0              | 1           | 2                | 4                | 7     |
| 2    | Availability of Interdisciplinary courses                             | 0           | 0              | 1           | 2                | 4                | 7     |
| 3    | Adequacy of the curriculum                                            | 0           | 0              | 1           | 2                | 4                | 7     |
| 4    | Opportunity for developing skills in the curriculum                   | 0           | 0              | 1           | 2                | 4                | 7     |
| 5    | Availability of instructional hours                                   | 0           | 0              | 1           | 3                | 3                | 7     |
| 6    | Relevance of the course for providing employability                   | 0           | 0              | 2           | 2                | 4                | 7     |
| 7    | Guidance for the students in higher studies                           | 0           | 0              | 1           | 1                | 4                | 7     |

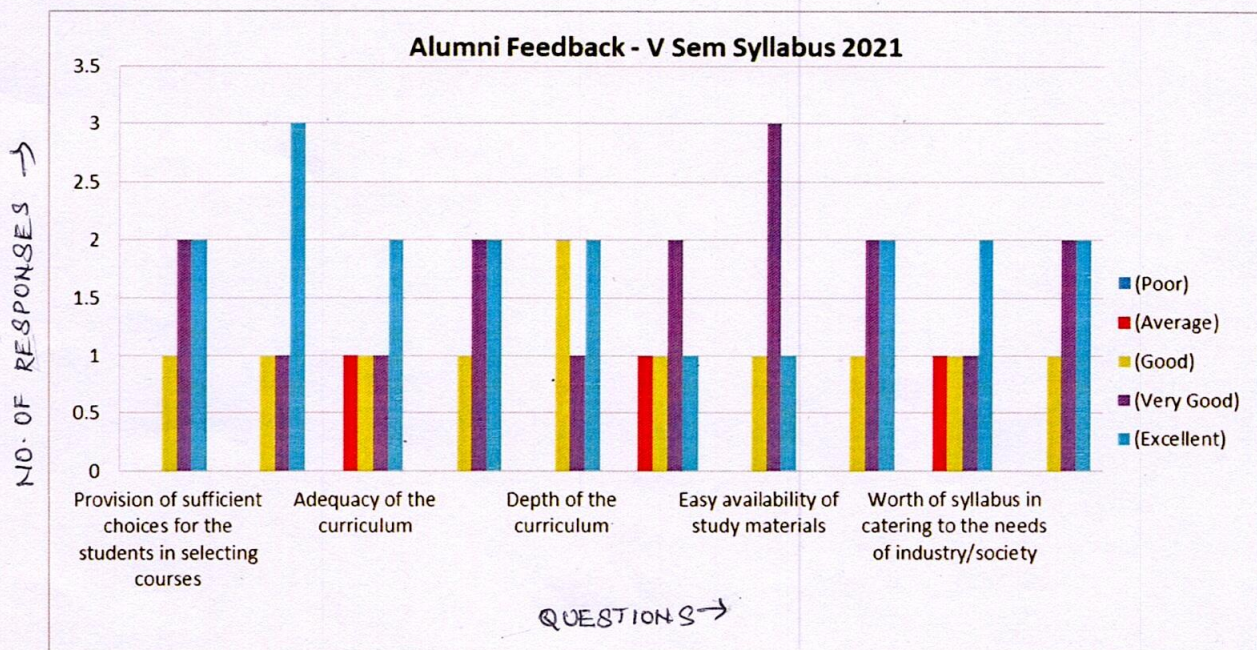


A graphical representation of feedback collected from parents for the 2021. Feedback collected from parents was not much different from that of the previous year. The depth and adequacy of the curriculum were rated very well. The parents rated the domains of availability to choices, interdisciplinary approach to the courses to be excellent. Since most

of them are from economically backward state, the parents were concerned about the employability of their children. They enquired the possibility of giving additional training which helps the students to get employed immediately after the completion of program. A few parents shared their concern about the possibility of higher studies. The parents reported that the way of teaching and teaching standards of the faculties are excellent.

### **ALUMNI FEEDBACK ANALYSIS**

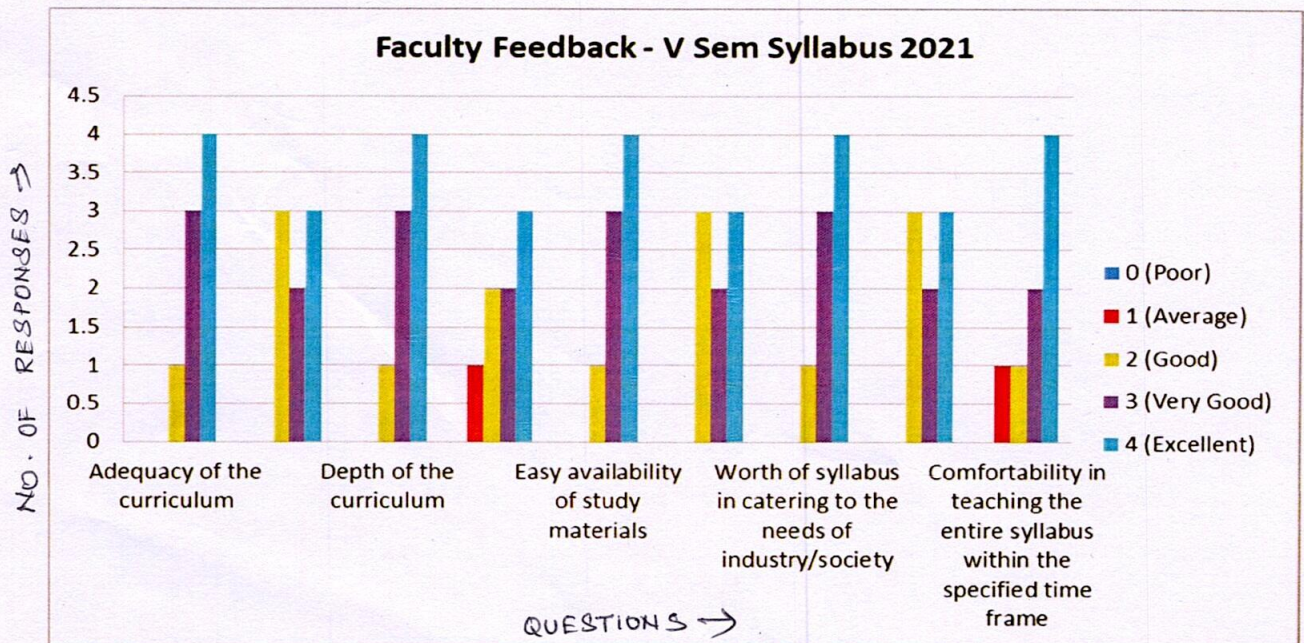
| Sl No. | Particulars                                                           | (Poor)<br>0 | (Average)<br>1 | (Good)<br>2 | (Very Good)<br>3 | (Excellent)<br>4 | Total |
|--------|-----------------------------------------------------------------------|-------------|----------------|-------------|------------------|------------------|-------|
| 1      | Provision of sufficient choices for the students in selecting courses | 0           | 0              | 1           | 2                | 2                | 5     |
| 2      | Availability of Interdisciplinary courses                             | 0           | 0              | 1           | 1                | 3                | 5     |
| 3      | Adequacy of the curriculum                                            | 0           | 1              | 1           | 1                | 2                | 5     |
| 4      | Opportunity for developing skills in the curriculum                   | 0           | 0              | 1           | 2                | 2                | 5     |
| 5      | Depth of the curriculum                                               | 0           | 0              | 2           | 1                | 2                | 5     |
| 6      | Availability of instructional hours                                   | 0           | 1              | 1           | 2                | 1                | 5     |
| 7      | Easy availability of study materials                                  | 0           | 0              | 1           | 3                | 1                | 5     |
| 8      | Relevance of the course for providing employability                   | 0           | 0              | 1           | 2                | 2                | 5     |
| 9      | Worth of syllabus in catering to the needs of industry/society        | 0           | 1              | 1           | 1                | 2                | 5     |
| 10     | Equipping the students' for higher studies                            | 0           | 0              | 1           | 2                | 2                | 5     |



The alumni rated all parameters to be very good and suggested to include practical experiments / hands on training and to train students in terms of handling and operations of medical devices with hospital support. The alumni members also requested if some short term certificate or skill development courses may be started out of the working hours so that they can also get benefitted from the course.

### **FACULTY FEEDBACK ANALYSIS**

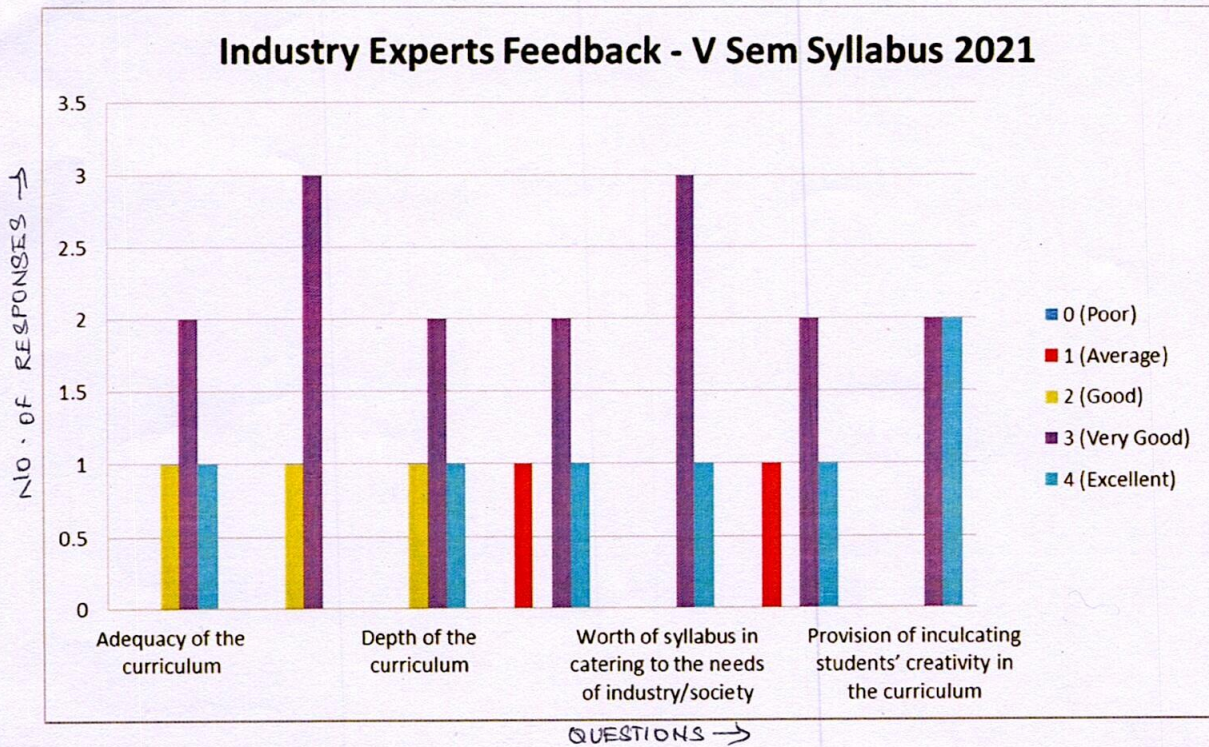
| Sl No. | Particulars                                                                    | (Poor)<br>0 | (Average)<br>1 | (Good)<br>2 | (Very Good)<br>3 | (Excellent)<br>4 | Tota |
|--------|--------------------------------------------------------------------------------|-------------|----------------|-------------|------------------|------------------|------|
| 1      | Adequacy of the curriculum                                                     | 0           | 0              | 1           | 3                | 4                | 8    |
| 2      | Opportunity for developing skills in the curriculum                            | 0           | 0              | 3           | 2                | 3                | 8    |
| 3      | Depth of the curriculum                                                        | 0           | 0              | 1           | 3                | 4                | 8    |
| 4      | Availability of instructional hours                                            | 0           | 1              | 2           | 2                | 3                | 8    |
| 5      | Easy availability of study materials                                           | 0           | 0              | 1           | 3                | 4                | 8    |
| 6      | Relevance of the course for providing employability                            | 0           | 0              | 3           | 2                | 3                | 8    |
| 7      | Worth of syllabus in catering to the needs of industry/society                 | 0           | 0              | 1           | 3                | 4                | 8    |
| 8      | Provision of inculcating students' creativity in the curriculum                | 0           | 0              | 3           | 2                | 3                | 8    |
| 9      | Comfortability in teaching the entire syllabus within the specified time frame | 0           | 1              | 1           | 2                | 4                | 8    |



Feedback from the faculties was collected and analyzed and has been represented graphically. The teachers' opinions on curriculum were expressed in the feedback and that has been found to be excellent in every domain. The faculties of the department conducted workshops and had discussions with experts of their own discipline for improvement of the curriculum on a regular basis.

#### **INDUSTRY EXPERT FEEDBACK ANALYSIS**

| Sl No. | Particulars                                                                   | (Poor)<br>0 | (Average)<br>1 | (Good)<br>2 | (Very Good)<br>3 | (Excellent)<br>4 | Total |
|--------|-------------------------------------------------------------------------------|-------------|----------------|-------------|------------------|------------------|-------|
| 1      | Adequacy of the curriculum                                                    | 0           | 0              | 1           | 2                | 1                | 4     |
| 2      | Opportunity for developing skills in the curriculum                           | 0           | 0              | 1           | 3                | 0                | 4     |
| 3      | Depth of the curriculum                                                       | 0           | 0              | 1           | 2                | 1                | 4     |
| 4      | Relevance of the course for providing employability                           | 0           | 1              | 0           | 2                | 1                | 4     |
| 5      | Worth of syllabus in catering to the needs of industry/society                | 0           | 0              | 0           | 3                | 1                | 4     |
| 6      | Conduciveness of the syllabus for the students' readiness towards recruitment | 0           | 1              | 0           | 2                | 1                | 4     |
| 7      | Provision of inculcating students' creativity in the curriculum               | 0           | 0              | 0           | 2                | 2                | 4     |



The industry experts rated all parameters to be very good. Industrial experts suggested to include real-time experiments and hands on training to train students in terms of handling and operations of medical devices with hospital support. The experts also suggested to include simulation tools in the necessary courses and also to include mini-projects.

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**SONA COLLEGE OF TECHNOLOGY, SALEM-5**

**DEPARTMENT OF BIOMEDICAL ENGINEERING**

**FEEDBACK ON SYLLABUS (2021-22 EVEN SEM)**

**FEEDBACK ANALYSIS REPORT OBTAINED FROM VARIOUS STAKEHOLDERS**

**Feedback from Stakeholders**

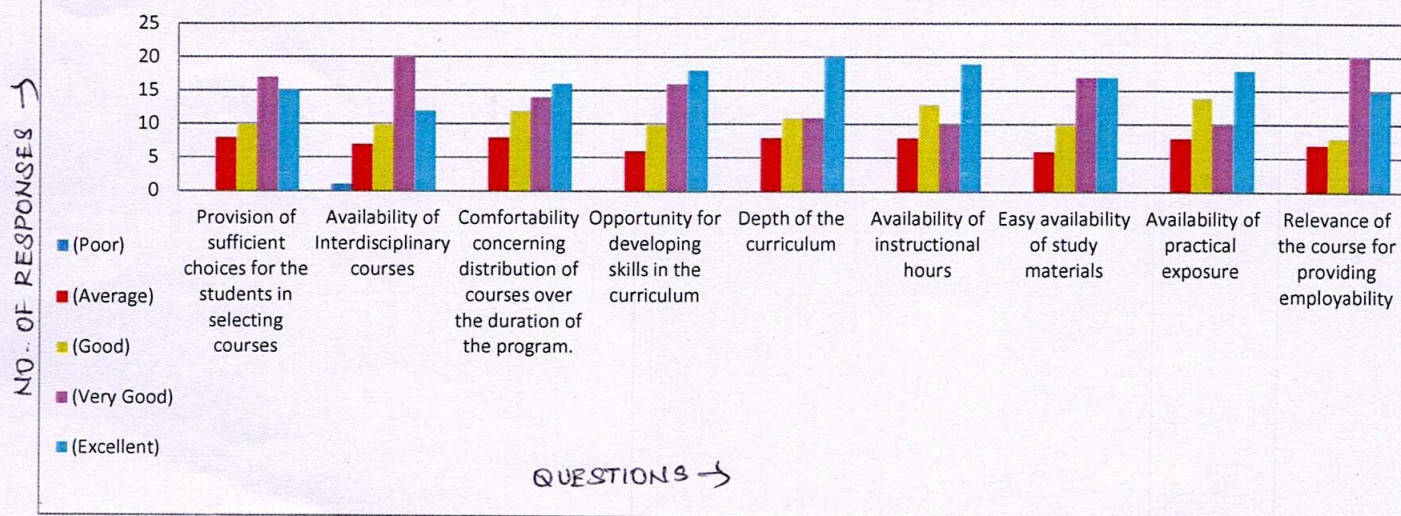
The Stakeholders' Feedback Report aims to amalgamate diverse insights and perspectives from stakeholders involved in the educational process regarding the curriculum implemented during the academic year 2021-2022(Even Sem). This report encapsulates feedback obtained through Google form circulated through e-mail. The collected feedback is then analyzed and the report is submitted to the Academic Council. The syllabus of various courses undergoes timely revision and most of the concerns are addressed in the revised syllabus. The feedback form consists of items specific to the stakeholders and there are statements which are rated on a 5 point rating scale (0-poor, 1-average, 2-Good, 3-Very Good, 4- Excellent) and one item is qualitative in nature for their open comments. Feedback is taken anonymously from the stakeholders. The stakeholder's feedbacks are taken by holding yearly meeting where number of stakeholders varies according to their availability. The teachers' feedbacks are collected in random basis and rotation basis where the new and old recruited teachers are selected randomly.

**STUDENTS' FEEDBACK ANALYSIS**

| S.No | Particulars                                                                         | (Poor)<br>0 | (Average)<br>1 | (Good)<br>2 | (Very Good)<br>3 | (Excellent)<br>4 | Total |
|------|-------------------------------------------------------------------------------------|-------------|----------------|-------------|------------------|------------------|-------|
| 1    | Provision of sufficient choices for the students in selecting courses               | 0           | 8              | 10          | 17               | 15               | 50    |
| 2    | Availability of Interdisciplinary courses                                           | 1           | 7              | 10          | 20               | 12               | 50    |
| 3    | Comfortability concerning distribution of courses over the duration of the program. | 0           | 8              | 12          | 14               | 16               | 50    |
| 4    | Opportunity for developing skills in the curriculum                                 | 0           | 6              | 10          | 16               | 18               | 50    |
| 5    | Depth of the curriculum                                                             | 0           | 8              | 11          | 11               | 20               | 50    |
| 6    | Availability of instructional hours                                                 | 0           | 8              | 13          | 10               | 19               | 50    |
| 7    | Easy availability of study materials                                                | 0           | 6              | 10          | 17               | 17               | 50    |
| 8    | Availability of practical exposure                                                  | 0           | 8              | 14          | 10               | 18               | 50    |
| 9    | Relevance of the course for providing employability                                 | 0           | 7              | 8           | 20               | 15               | 50    |



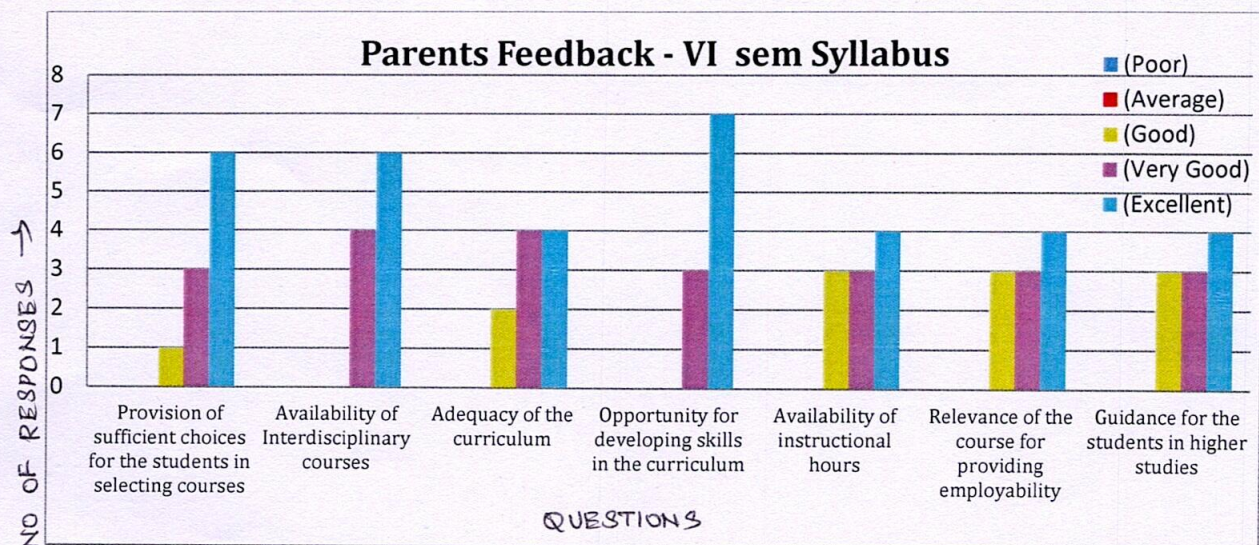
## Student's Feed Back on VI Sem Syllabus



The Students' Feedback Report aims to summarize the opinions, perspectives, and suggestions provided by students regarding the curriculum implemented during the academic year 2021-2022(Even Sem). Analysis of the feedback results indicate that all the domains have been rated by the students as very to excellent. Opportunity for developing skills, Easy availability of study materials and Relevance of the course for providing employability in the curriculum as mostly good. Comfortability concerning distribution of courses over the duration of the program, Opportunity for developing skills in the curriculum, Depth of the curriculum and Availability of instructional hours were rated mostly as very good and excellent. The qualitative domain suggested that the students wanted more seminars and workshops to be arranged. They also wanted some short term courses and classes specific for competitive exams.

### PARENTS' FEEDBACK ANALYSIS

| S.No | Particulars                                                           | (Poor)<br>0 | (Average)<br>1 | (Good)<br>2 | (Very Good)<br>3 | (Excellent)<br>4 | Total |
|------|-----------------------------------------------------------------------|-------------|----------------|-------------|------------------|------------------|-------|
| 1    | Provision of sufficient choices for the students in selecting courses | 0           | 0              | 1           | 3                | 6                | 10    |
| 2    | Availability of Interdisciplinary courses                             | 0           | 0              | 0           | 4                | 6                | 10    |
| 3    | Adequacy of the curriculum                                            | 0           | 0              | 2           | 4                | 4                | 10    |
| 4    | Opportunity for developing skills in the curriculum                   | 0           | 0              | 0           | 3                | 7                | 10    |
| 5    | Availability of instructional hours                                   | 0           | 0              | 3           | 3                | 4                | 10    |
| 6    | Relevance of the course for providing employability                   | 0           | 0              | 3           | 3                | 4                | 10    |
| 7    | Guidance for the students in higher studies                           | 0           | 0              | 3           | 3                | 4                | 10    |

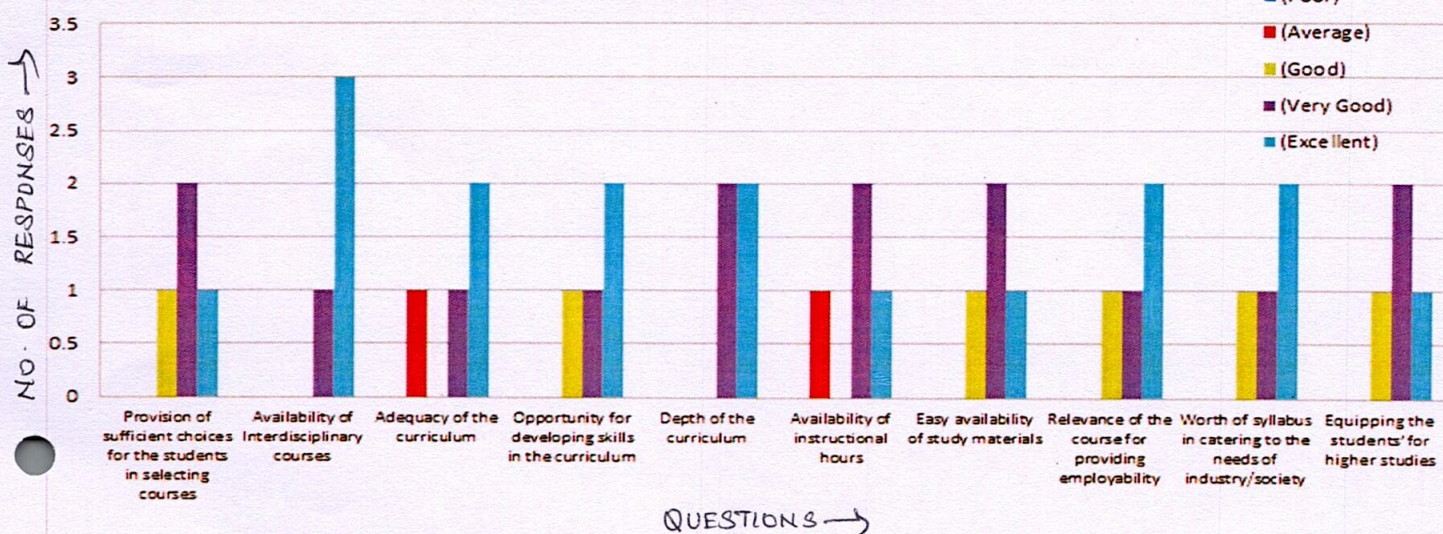


A graphical representation of feedback collected from parents for the 2021. Feedback collected from parents was not much different from that of the previous year. The depth and adequacy of the curriculum were rated very well. The parents rated the domains of availability to choices, interdisciplinary approach to the courses to be excellent. Since most of them are from economically backward state, the parents were concerned about the employability of their children. They enquired the possibility of giving additional training which helps the students to get employed immediately after the completion of program. A few parents shared their concern about the possibility of higher studies. The parents reported that the way of teaching and teaching standards of the faculties are excellent.

### **ALUMNI FEEDBACK ANALYSIS**

| Sl No. | Particulars                                                           | (Poor)<br>0 | (Average)<br>1 | (Good)<br>2 | (Very Good)<br>3 | (Excellent)<br>4 | Total |
|--------|-----------------------------------------------------------------------|-------------|----------------|-------------|------------------|------------------|-------|
| 1      | Provision of sufficient choices for the students in selecting courses | 0           | 0              | 1           | 2                | 1                | 4     |
| 2      | Availability of Interdisciplinary courses                             | 0           | 0              | 0           | 1                | 3                | 4     |
| 3      | Adequacy of the curriculum                                            | 0           | 1              | 0           | 1                | 2                | 4     |
| 4      | Opportunity for developing skills in the curriculum                   | 0           | 0              | 1           | 1                | 2                | 4     |
| 5      | Depth of the curriculum                                               | 0           | 0              | 0           | 2                | 2                | 4     |
| 6      | Availability of instructional hours                                   | 0           | 1              | 0           | 2                | 1                | 4     |
| 7      | Easy availability of study materials                                  | 0           | 0              | 1           | 2                | 1                | 4     |
| 8      | Relevance of the course for providing employability                   | 0           | 0              | 1           | 1                | 2                | 4     |
| 9      | Worth of syllabus in catering to the needs of industry/society        | 0           | 0              | 1           | 1                | 2                | 4     |
| 10     | Equipping the students' for higher studies                            | 0           | 0              | 1           | 2                | 1                |       |

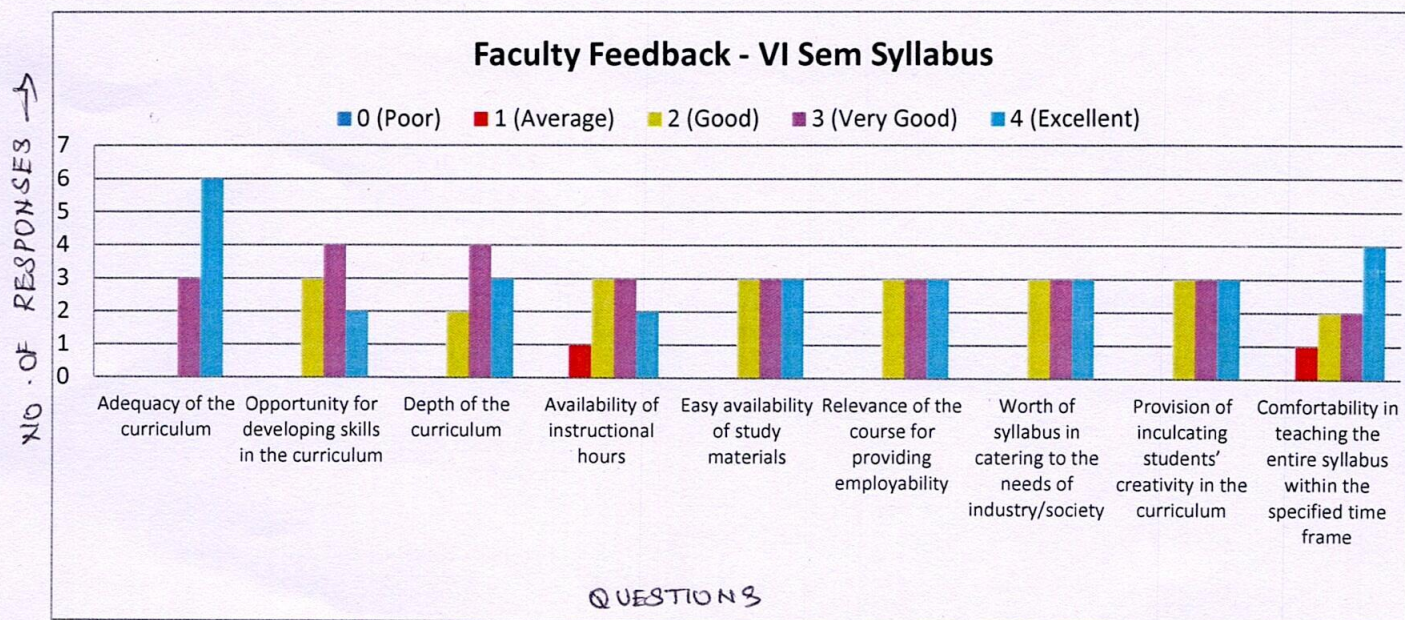
### Alumni Feedback - VI Sem Syllabus 2021



Alumni feedback is a crucial asset in assessing the effectiveness of the curriculum. By integrating their experiences and suggestions, we aim to continuously refine and enhance the educational program to better prepare students for the dynamic challenges of the professional world. The alumni rated all parameters to be very good and suggested to include practical experiments / hands on training and to train students in terms of handling and operations of medical devices with hospital support. The alumni members also requested if some short term certificate or skill development courses may be started out of the working hours so that they can also get benefitted from the course.

### FACULTY FEEDBACK ANALYSIS

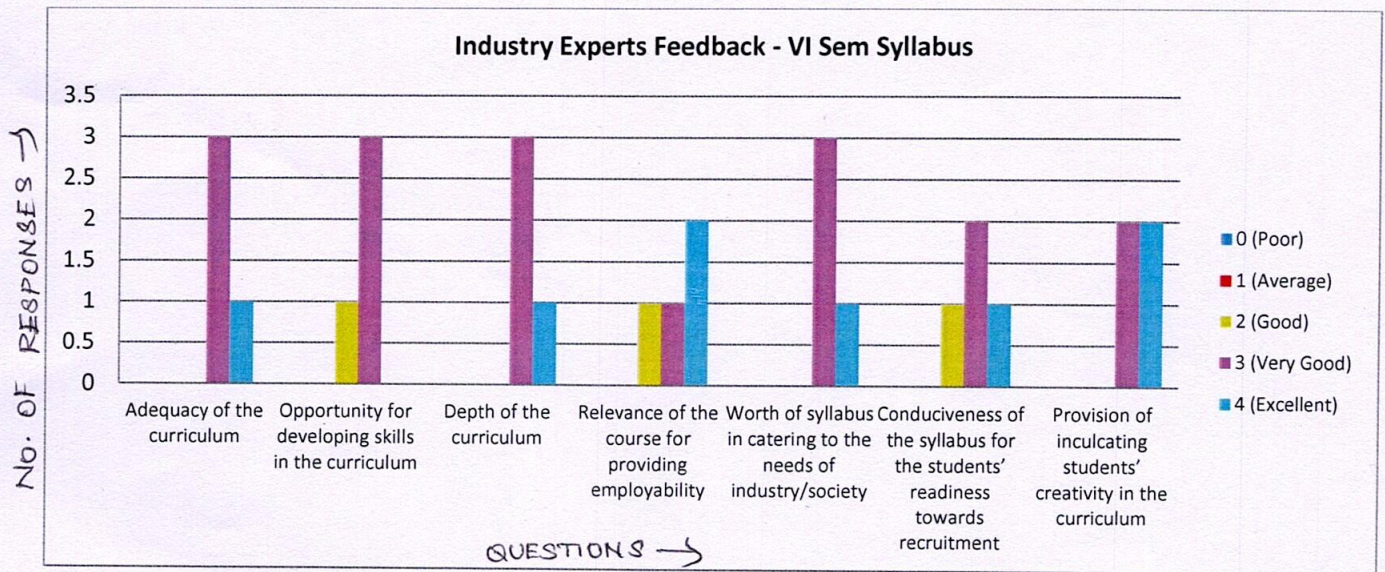
| Sl No. | Particulars                                                                    | (Poor)<br>0 | (Average)<br>1 | (Good)<br>2 | (Very Good)<br>3 | (Excellent)<br>4 | Tota |
|--------|--------------------------------------------------------------------------------|-------------|----------------|-------------|------------------|------------------|------|
| 1      | Adequacy of the curriculum                                                     | 0           | 0              | 0           | 4                | 4                | 9    |
| 2      | Opportunity for developing skills in the curriculum                            | 0           | 0              | 3           | 4                | 4                | 9    |
| 3      | Depth of the curriculum                                                        | 0           | 0              | 2           | 4                | 4                | 9    |
| 4      | Availability of instructional hours                                            | 0           | 1              | 3           | 4                | 4                | 9    |
| 5      | Easy availability of study materials                                           | 0           | 0              | 3           | 4                | 4                | 9    |
| 6      | Relevance of the course for providing employability                            | 0           | 0              | 3           | 4                | 4                | 9    |
| 7      | Worth of syllabus in catering to the needs of industry/society                 | 0           | 0              | 3           | 4                | 4                | 9    |
| 8      | Provision of inculcating students' creativity in the curriculum                | 0           | 0              | 3           | 4                | 4                | 9    |
| 9      | Comfortability in teaching the entire syllabus within the specified time frame | 0           | 1              | 2           | 4                | 4                | 9    |




Feedback from the faculties was collected and analyzed and has been represented graphically. The teachers' opinions on curriculum were expressed in the feedback and that has been found to be excellent in every domain. The faculties of the department conducted workshops and had discussions with experts of their own discipline for improvement of the curriculum on a regular basis. Mixed feedback on the adequacy of resources; requests for updated textbooks and digital learning materials. Suggestions for expanding access to online databases and educational software. Faculty feedback serves as a cornerstone in refining and enhancing the curriculum. Acknowledging both the commendable aspects and areas needing improvement, we aim to collaboratively work towards a curriculum that meets the evolving needs of our students.

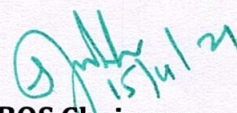
### **INDUSTRY EXPERT FEEDBACK ANALYSIS**

| Sl No. | Particulars                                                                   | (Poor)<br>0 | (Average)<br>1 | (Good)<br>2 | (Very Good)<br>3 | (Excellent)<br>4 | Total |
|--------|-------------------------------------------------------------------------------|-------------|----------------|-------------|------------------|------------------|-------|
| 1      | Adequacy of the curriculum                                                    | 0           | 0              | 0           | 3                | 1                | 4     |
| 2      | Opportunity for developing skills in the curriculum                           | 0           | 0              | 1           | 3                | 0                | 4     |
| 3      | Depth of the curriculum                                                       | 0           | 0              | 0           | 3                | 1                | 4     |
| 4      | Relevance of the course for providing employability                           | 0           | 0              | 1           | 1                | 2                | 4     |
| 5      | Worth of syllabus in catering to the needs of industry/society                | 0           | 0              | 0           | 3                | 1                | 4     |
| 6      | Conduciveness of the syllabus for the students' readiness towards recruitment | 0           | 0              | 1           | 2                | 1                | 4     |
| 7      | Provision of inculcating students' creativity in the curriculum               | 0           | 0              | 0           | 2                | 2                | 4     |



The feedback provided by industry experts is invaluable in shaping a curriculum that meets industry demands and prepares graduates for successful careers. By integrating their insights and recommendations, we aim to create a curriculum that equips students with the skills and knowledge required for success in today's rapidly changing professional landscape. The industry experts rated all parameters to be very good. Industrial experts suggested to include real-time experiments and hands on training to train students in terms of handling and operations of medical devices with hospital support. The experts also suggested to include simulation tools in the necessary courses and also to include mini-projects. Suggestions for internships, apprenticeships, or industry-focused projects within the curriculum.

  
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