

**ACADEMIC YEAR 2022-2023**

Stake holders	Feed back	Action Taken by the Institute
Students	Latest development in Biotechnology need to be taught.	Students are insisted to take online courses in various platforms like Coursera, Udeemy, NPTEL and advised to undergo industrial internship etc.
Staffs	More exposure towards Biotech practical aspects than theory is needed for the students.	Value added course has been conducted in the field of Advanced Drug designing and students were asked to attend more number of workshops.
Parents	More number of experimental based projects are required for the students.	More number of students are allowed to do short term project in our laboratory and other project management centers. This would fill the requirement to bridge the curricular gap.
Alumni	The students should be molded towards pursuing higher studies in various allied field of Biotechnology	Special Guest lectures and webinars had been conducted using the source of distinguished Alumni's to share the opportunities and importance of Higher studies.
Employers	Students should be given placement support training based on their interest in core and software domain aiming towards higher packages	Students have been categorized based on their skill set and special training named HOPE has been given for higher package aspirants.

  
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## ST. JOSEPH'S COLLEGE OF ENGINEERING

(St. Joseph's Group of Institutions)

Chennai -600 119

### DEPARTMENT OF BIOTECHNOLOGY

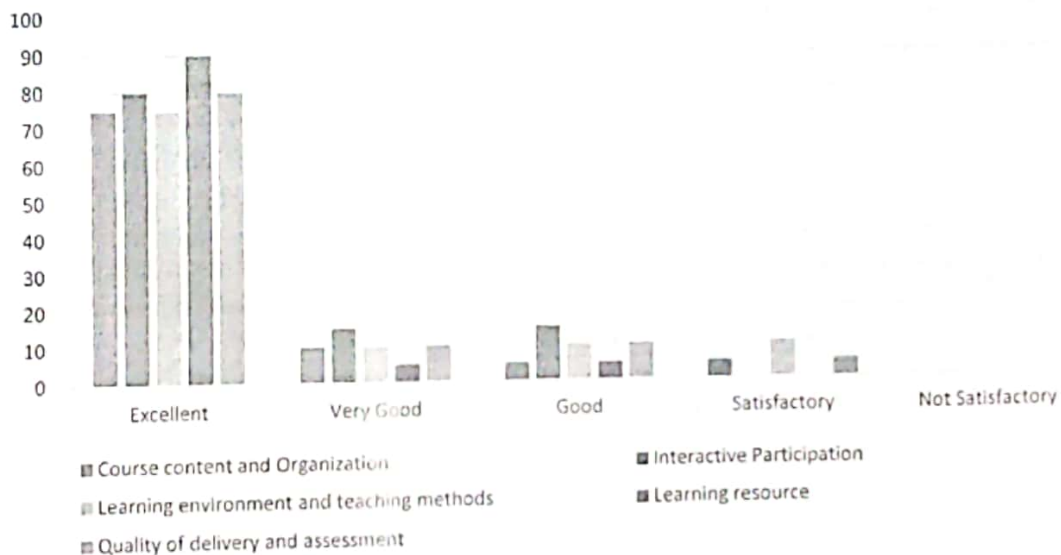
## Consolidated Report of Student's Feedbacks on Curriculum

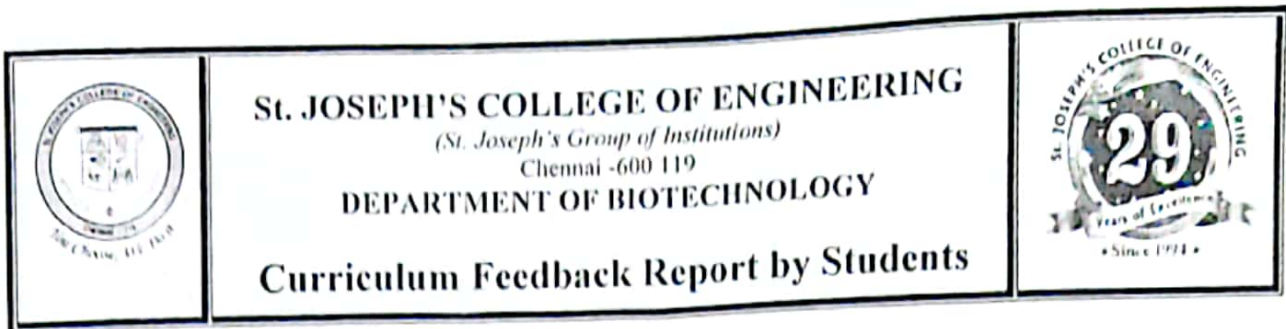


ACADEMIC YEAR 2022-2023

CORE QUESTIONS	Excellent (%)	Very Good (%)	Good (%)	Satisfactory in (%)	Not Satisfactory (%)
Course content and Organization	75	10	5	5	0
Interactive Participation	80	15	15	0	0
Learning environment and teaching methods	75	10	10	10	0
Learning resource	90	5	5	0	0
Quality of delivery and assessment	80	10	10	5	0

### Student's Feedbacks on Curriculum






### Students' Feedback

The college has obtained feedback on curriculum from students through questionnaire which contains the following major aspects such as Course content & Organization, Interactive participation, Learning environment & teaching methods, Learning resource and Quality of delivery and assessment. Total students' strength was 177. Few students gave their feedback on curriculum for the academic year 2022-2023. 75% of the student's population agreed that the allocation of course content is appropriate in relation to the level of course content is very much appropriate to the programme. Majority of the students strongly agreed that the interaction by teachers with students are more feasible and reliable. Around 75% of the students agreed that they are equipped with necessary teaching methods required for their programme. It is observed that 90% of the students agreed that the provision for learning resource in library was adequate and appropriate with their respective field of specialization areas. The feedback revealed that 80% of them are strongly agreed about the quality of delivery and the internal assessment for the specified programme. Some students are suggested that it would be helpful if the certification course with hands on training can be included as a part of the curriculum.

### Feedback Analysis report

- Course content and organization, learning resources were agreed to be excellent by 75% of students
- Learning Latest development in Biotechnology could been emphasized

  
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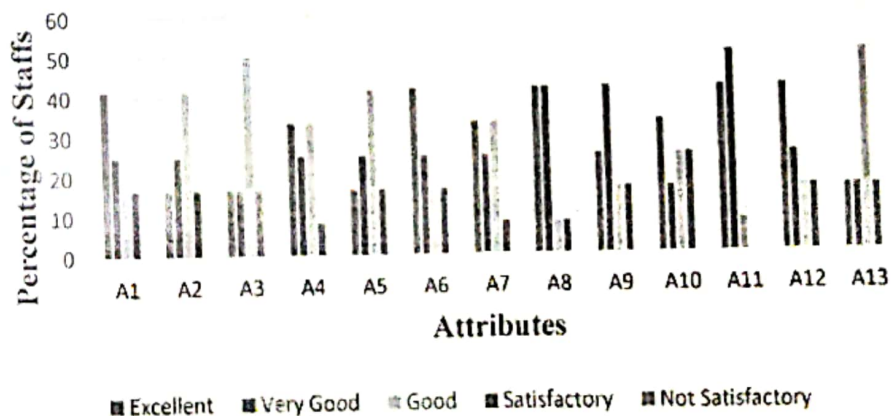
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**DEPARTMENT OF BIOTECHNOLOGY**  
**Teachers Feedback on Curriculum - Analysis**

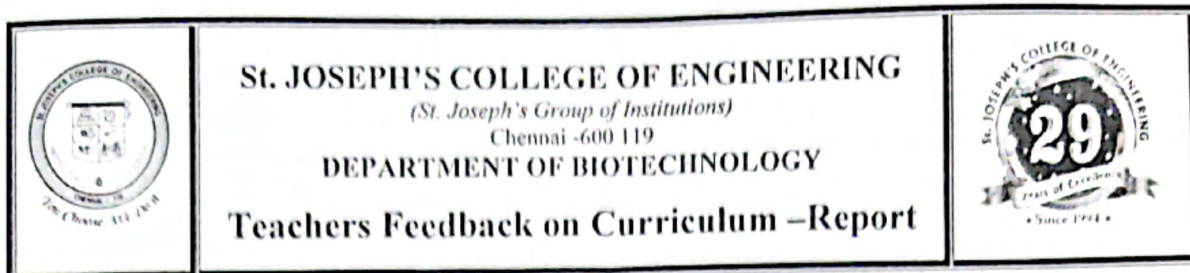


**Academic Year: 2022-2023**

S. No	ATTRIBUTES	Grade: 5-Excellent, 4-Very Good, 3- Good, 2- Satisfactory, 1- Not satisfactory				
		Percentage %				
		5	4	3	2	1
1.	Curriculum is based on the needs of the stake holders	41.6	25	16.6	16.6	0
2.	Course objectives and Outcomes of the course are well defined and clear to faculty and students	16.6	25	41.6	16.6	0
3.	Sufficient number of prescribed books are available in the library	16.6	16.6	50	16.6	0
4.	The course has good balance between theory and application.	33.3	25	33.3	8.33	0
5.	The course has made me interested in the subject area.	16.6	25	41.6	16.6	0
6.	The course has increased knowledge potential in its application	41.6	25	16.6	16.6	0
7.	Book facilities and other amenities like projectors, softwares etc., are available in the department	33.3	25	33.3	8.33	0
8.	Tests and Examinations are conducted at appropriate time with proper coverage of planned units according to the college working schedule / academic schedule of anna university.	41.6	41.6	8.33	8.33	0
9.	I have the freedom to adopt new techniques of teaching such as seminar presentations, group discussions, demonstration and student's participations.	25	41.6	16.6	16.6	0
10.	Syllabus contain necessary technical skills for the students to face the industry needs	33.3	16.6	25	25	0
11.	The electives offered are relevant to the specialization streams and to the technological advancements.	41.6	50	8.33	0	0
12.	The laboratory experiments enhance the students in understanding the concepts and enable them to relate theory to practice (Experiential learning).	41.6	25	16.6	16.6	0
13.	Facilities are provided for teaching and to adopt current trends / research.	16.6	16.6	50	16.6	0

**Teachers Feedback on Curriculum**





### TEACHERS FEEDBACK ON CURRICULUM

- The examination report of the educators' criticism uncovers that they are exceedingly happy with the structure of the educational modules.
- The proposals given by them identified with explicit subjects were noted for further activity.

The College has made it a practice to conduct all faculty meeting, once in the starting of the semester, where the ways and means of enhancing the curriculum, academic discipline, Teaching Learning process and Research and extension activities are discussed. During such meetings, the individual faculty members express their honest opinion on the curriculum; research and extension activities and the same would be debated and discussed. The appropriate suggestions are put forward to the respective councils for implementations. The faculty members get representations in the Board of Studies, Department Advisory Committee and Academic Council, where the staff members are getting ample opportunities to give feedback, on both curriculum and teaching learning process. Based on the feedback obtained, various industrial visits, guest lectures, value added courses and student's workshops are organized to fill the gap in the curriculum.

#### Feedback analysis report:

- The analysis report of the teachers' feedback reveals that they are highly satisfied with the framework of the curriculum.
- Enrichment of the students' knowledge was found satisfactory in offline classes than in online mode.
- More exposure towards Biotech practical aspects than theory is needed for the students.
- The suggestions given by them related to specific subjects were noted for further action.

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DEPARTMENT OF BIOTECHNOLOGY

## Student Exit Survey Analysis



ACADEMIC YEAR: 2022-2023

Batch 2019-2023

S.No	Attributes	O	E	G	S	U
1.	Basic sciences and Engineering fundamentals	1	2	2	1	0
2.	Usage of modern techniques in biotech processes	1	1	3	1	0
3.	Project management, Commercialization & social application	1	2	2	1	0
4.	Professional codes & Bioethical practices	1	2	2	1	0
5.	Skills of communication and Team work	2	1	2	1	0
6.	Knowledge updating and self learning ability towards sustained employability	1	1	2	2	0
Total		7	9	13	7	0

O - Outstanding

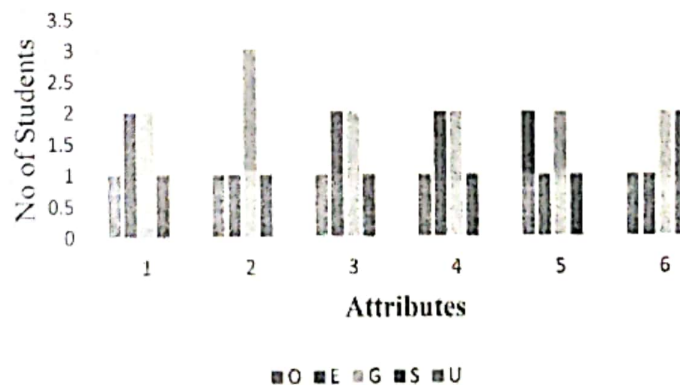
E - Excellent

G - Good

S - Satisfactory

U - Unable to judge

### Student Exit Survey



### Feed Back Summary

- Skills of communication and Team work seems to be excellent
- Knowledge updating and self learning ability towards sustained employability are satisfactory

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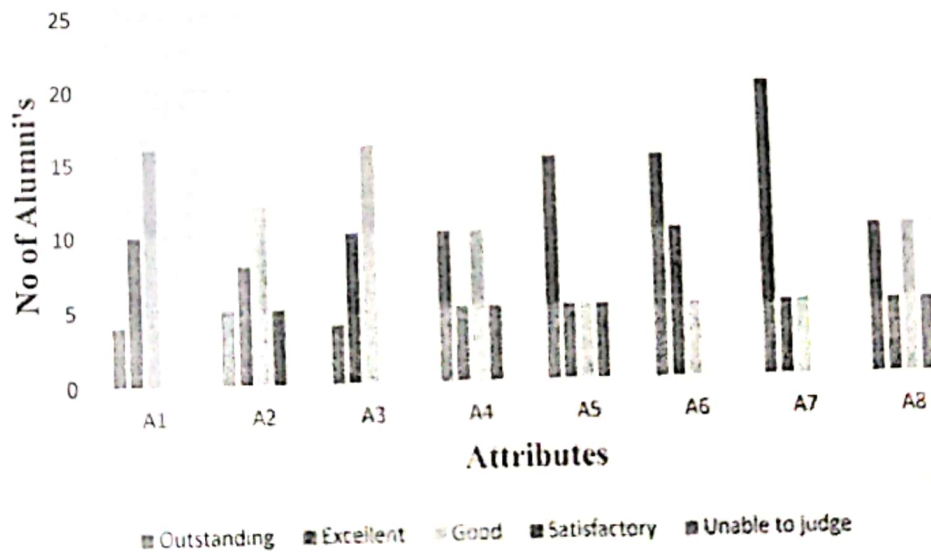
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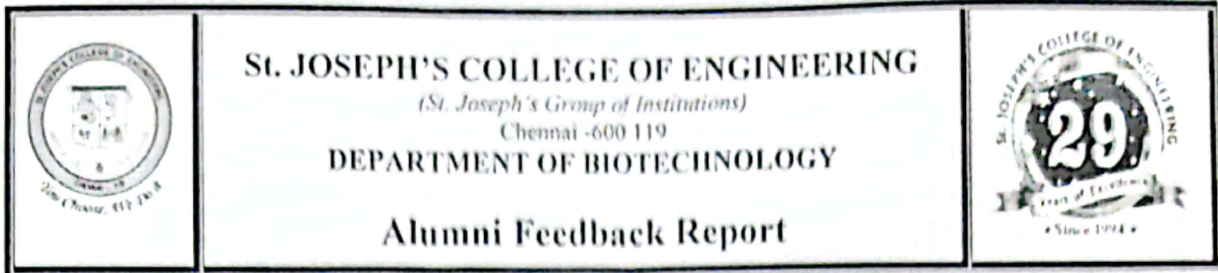
## Alumni Feedback Analysis



Academic Year: 2022-2023

S.No.	Attributes	Outstanding	Excellent	Good	Satisfactory	Unable to judge
1.	Basic sciences and Engineering fundamentals	4	10	16	0	0
2.	Usage of modern techniques in biotech processes	5	8	12	5	0
3.	Project management, Commercialization & social application	4	10	16	0	0
4.	Professional codes & Bioethical practices	10	5	10	5	0
5.	Skills of Communication and Team work	15	5	5	5	0
6.	Effectiveness of Placement enhancement programs	15	10	5	0	0
7.	Effectiveness of Higher studies guidance	20	5	5	0	0
8.	Ability to meet the current Industrial / Research challenges	10	5	10	5	0
<b>Total</b>		<b>83</b>	<b>58</b>	<b>79</b>	<b>20</b>	<b>0</b>





Academic Year: 2022-2023

Alumni feedback was obtained from nearly 30 alumni for the academic year 2020-2021. The institution believes that the contribution of alumni is essential particularly in the development of the curriculum related activities. The feedback from the alumni reveals that majority of them feel proud to be a part of the institution and are willing to contribute to the development of the institution. Majority of alumni rated **outstanding and excellent** for the attributes provided and **few members** have rated **good and satisfactory** for the attributes provided. The overall strength and weakness of the department from the alumni are summarized below.

#### Strength

1. Well qualified faculty members.
2. Well, planned academic schedule.
3. Placement training programs are conducted well

#### Scope for improvement

The Many more avenues for importance of higher studies and research opportunities to be more emphasized to the students through Alumni Interaction

#### Feedback analysis report

#### Positive Feed back

- From the alumni feedback analysis report, it is evident that majority of the alumni are happy and proud to be a part of this institution and they agreed that they would recommend their friends and relatives to enroll in this institution for this course.

#### Suggestions

- The students should be molded towards pursuing higher studies in various allied field of Biotechnology
- More number of special guestlectures on research in various core field can be arranged
- Importance of getting on campus placement can be insisted in core industry



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**Employer Feedback Analysis Report**

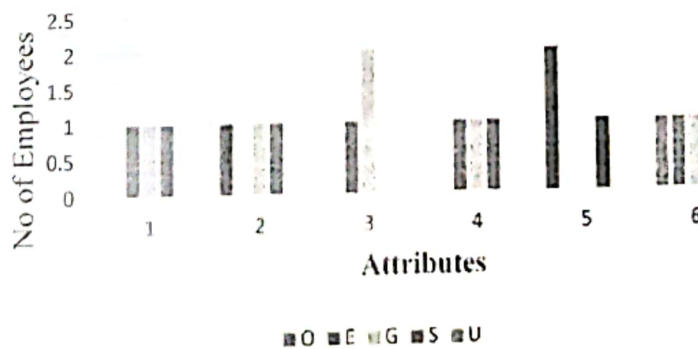


ACADEMIC YEAR: 2022-2023

S.No	Attributes	O	E	G	S	U
1.	Basic sciences and Engineering fundamentals	0	1	1	1	0
2.	Usage of modern techniques in biotech processes	1	0	1	1	0
3.	Project management, Commercialization & social application	0	1	2	0	0
4.	Professional codes & Bioethical practices	0	1	1	1	0
5.	Skills of communication and Team work	2	0	0	1	0
6.	Knowledge updating and self-learning ability towards sustained employability	1	1	1	0	0

O - Outstanding      E -Excellent      G - Good      S - Satisfactory      U - Unable to judge

**Employer Feedback**



**FEEDBACK**

- Students should be given placement support training based on their interest in core and software domain aiming towards higher packages

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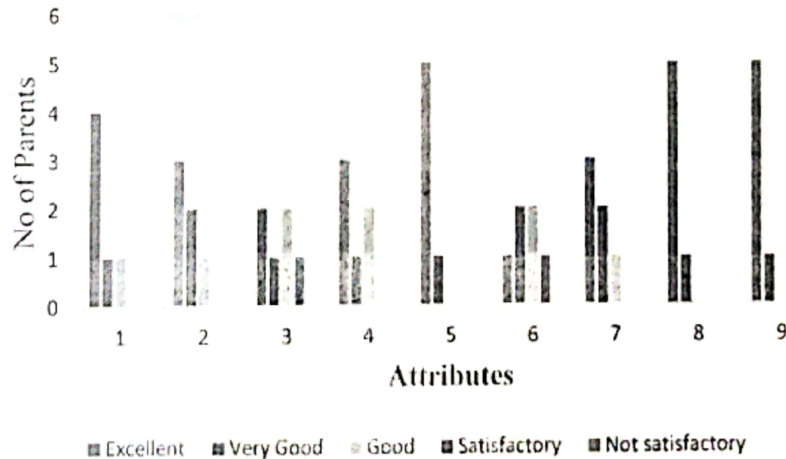
## Parents Feedback Analysis Report



ACADEMIC YEAR 2022-2023

S.No	Attributes	Excellent	Very Good	Good	Satisfactory	Not satisfactory
1.	Student's counselling and guidance in college	4	1	1	0	0
2.	Departmental Extra/Co-curricular activities	3	2	1	0	0
3.	Library/ Reading facility available	2	1	2	1	0
4.	Discipline in the college	3	1	2	0	0
5.	Mess facility	5	1	0	0	0
6.	Transport Facility	1	2	2	1	0
7.	Industrial exposure given by the department	3	2	1	0	0
8.	Training provided to appear for placement	5	1	0	0	0
9.	Guidance provided for higher studies	5	1	0	0	0
<b>Total</b>		<b>24</b>	<b>11</b>	<b>8</b>	<b>3</b>	<b>0</b>

### Parents Feedback

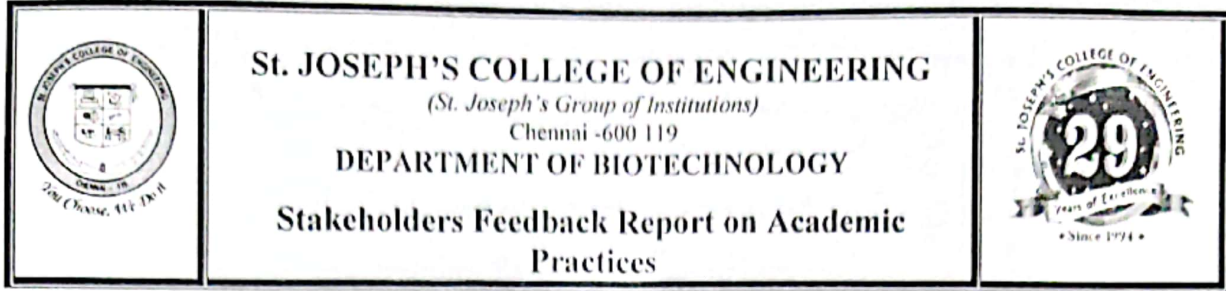


### Feedbacks

- Student's counselling and guidance in the department are extremely good
- Mess facility are extraordinary in the college
- Training provided to appear for placement seems to be excellent
- More number of experimental based projects are required for the students


*[Signature]*  
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**Academic Year: 2022-2023**

Stake holder	Feed back	Action Taken by the Institute
<b>Students</b>	Training should be given based on interest towards core and software industry placement.	Students have been categorized based on their skill set and special training named HOPE has been given for higher package aspirants
<b>staffs</b>	Distinguished Alumni to be chosen and invited to share their view on higher studies and placement.	Alumni's had been invited to share their experience and importance of higher studies and placements through Alumni Connect Programs
<b>Parents</b>	Special coaching can be given prior to internal assessment.	Previous day of each internal examination 11-3 PM special coaching regarding next day examination has been planned and executed
<b>Alumni</b>	Students should be allowed to undergo quality training and internship.	Reputed company and institution contacts details of internship providers are shared to students.
<b>Employer</b>	Apart from core training, special focus could be given for improvement of programing based skills for non circuit branches.	Placement support training has been arranged with more focus on programing skills along with core based skill sets.

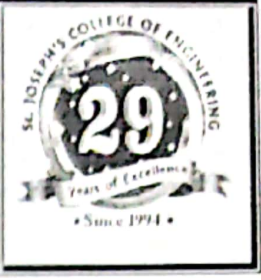
  
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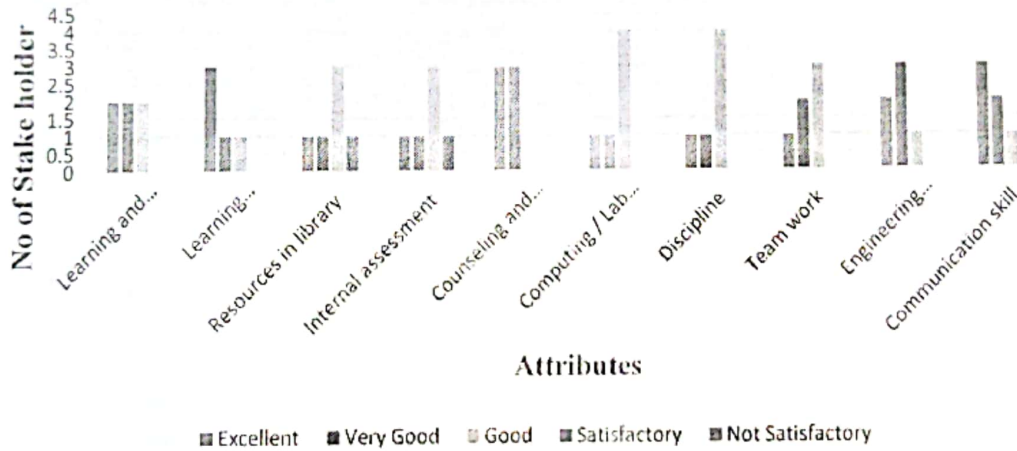
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**Stakeholders Evaluation Report on Institutional practices**

**Academic Year: 2022-2023**

S. No	Parameters (P)	Excellent	Very Good	Good	Satisfactory	Not Satisfactory
1.	Learning and Teaching methods	2	2	2	0	0
2.	Learning environment	3	1	1	0	0
3.	Resources in library	1	1	3	1	0
4.	Internal assessment	1	1	3	1	0
5.	Counseling and Guidance	3	3	0	0	0
6.	Computing / Lab facility	1	1	4	0	0
7.	Discipline	1	1	4	0	0
8.	Team work	1	2	3	0	0
9.	Engineering problem solving	2	3	1	0	0
10.	Communication skill	3	2	1	0	0



**Feedback**

- Stakeholders are glad that college had supported the learning and teaching methodology
- Counselling, Guidance and placement support activities are excellent from college side
- Discipline maintenance in the college seems to be liked by parents, Employer and Alumni
- The Overall Academic practices are found to be good in college

*S. Subramanian*  
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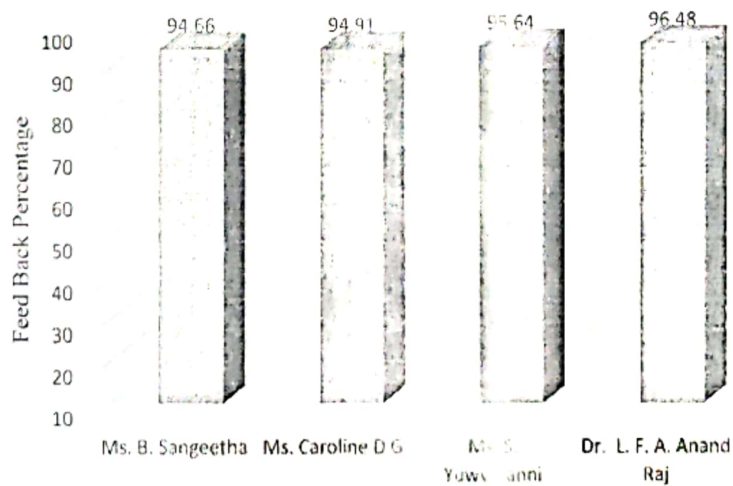
### Students Feedback on Staffs



ACADEMIC YEAR 2022-2023 - ODD SEMESTER

II YEAR / III SEM

Subject Code	Subject	Name of the staff	Feedback Percentage
BT1301	Process Calculations	Ms. B. Sangeetha	94.66
BT1302	Basic Industrial Biotechnology	Ms. Caroline D G	94.91
BT1303	Microbiology	Ms. S. Yuwvaranni	95.64
BT1304	Biochemistry-I	Dr. L. F. A. Anand Raj	96.48



  
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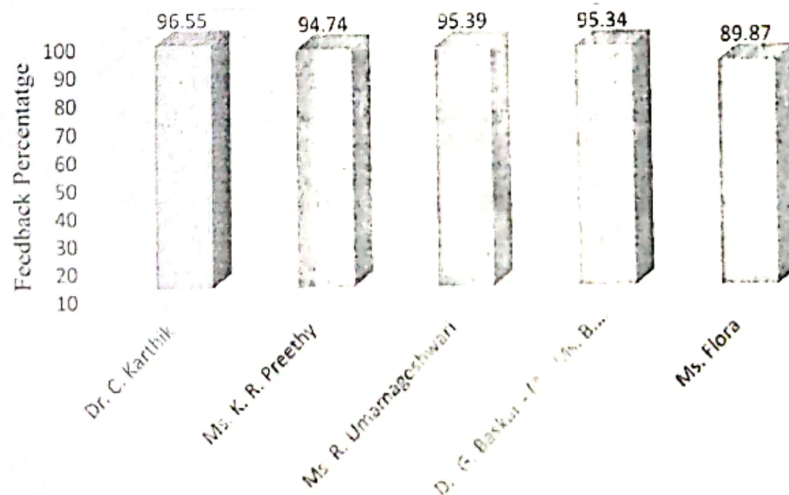
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**Students Feedback on Staffs**



**ACADEMIC YEAR 2022-2023 - ODD SEMESTER**

**III YEAR / V SEM**

Subject Code	Subject	Name of the staff	Feedback Percentage
BT8501	Mass Transfer Operations	Ms. Flora	90.03
BT8502	Analytical Methods & Instrumentation	Dr. C. Karthik	96.55
BT8503	Protein Engineering	Ms. K. R. Preethy	94.74
BT8591	Bioprocess Engineering	Ms. R. Umamageshwari	95.39
BT8003	Professional Elective – I: Principles of Food Processing	Dr. G. Baskar - (A) Ms. B. Sangeetha - (B)	95.34
OAI551	Open Elective – I: Environment and Agriculture	Ms. Flora	89.87



  
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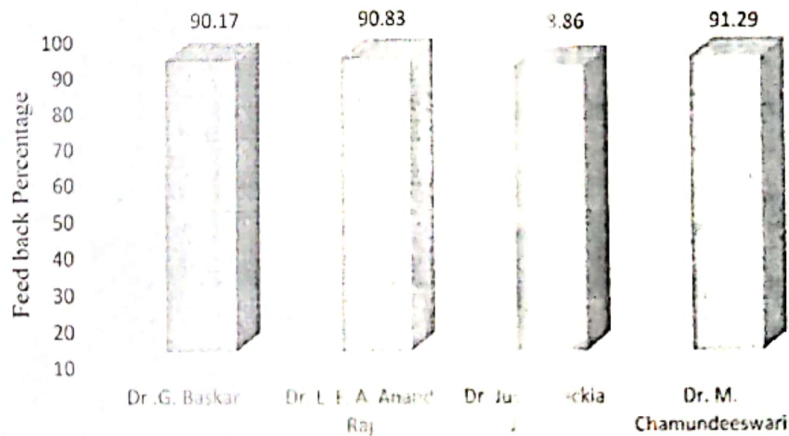
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**Students Feedback on Staffs**




**ACADEMIC YEAR 2022-2023 - ODD SEMESTER**

**IV YEAR / VII SEM**

Subject Code	Subject	Name of the staff	Feedback Percentage
GES077	Total Quality Management	Ms. S. Yawvaranni	90.02
BT8751	Downstream Processing	Dr .G. Baskar	90.17
BT8791	Immunology	Dr. L. F. A. Anand Raj	90.83
BT8018	Professional Elective – V: Plant Biotechnology	Dr. Justin Packia Jacob	88.86
BT8023	Professional Elective –VI: Tissue Engineering	Dr. M. Chamundeeswari	91.29
OBM752	Open Elective II: Hospital Management	Ms. R. Umamageshwari	91.60



  
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