

St. JOSEPH'S COLLEGE OF ENGINEERING

(St. Joseph's Group of Institutions)

Chennai - 600 119

DEPARTMENT OF BIOTECHNOLOGY

Stakeholder's Feedback on and Actions Taken

ACADEMIC YEAR 2018-2019

S.No	Stake holders	Feed back	Action Taken by the Institute
1.	Student	Inclusion of open elective in curriculum is beneficial	Additional open elective which narrows down to specific domain in biotechnology are endorsed
2.	Staff	Smart class room facility can improve the learning teaching process	Implementation of Smart class room arrangement was suggested to the management
3.	Parent	Medical oriented core course can be recommended to university	Current syllabus has few core medical papers , additional papers can be recommended to University
4.	Alumni	Alumni meeting improves our interaction with the students. More such meeting could be arranged to share curriculum enrichment ideas	Meeting are conducted to share knowledge and educate the students about the curriculum enrichment and industrial working experience
5.	Employer	Student need depth knowledge in medical Biology related subjects	Medical related papers was recommended to be included in the forth coming regulations


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Head of the Department
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St. Joseph's College of Engineering
Chennai - 600 119, India



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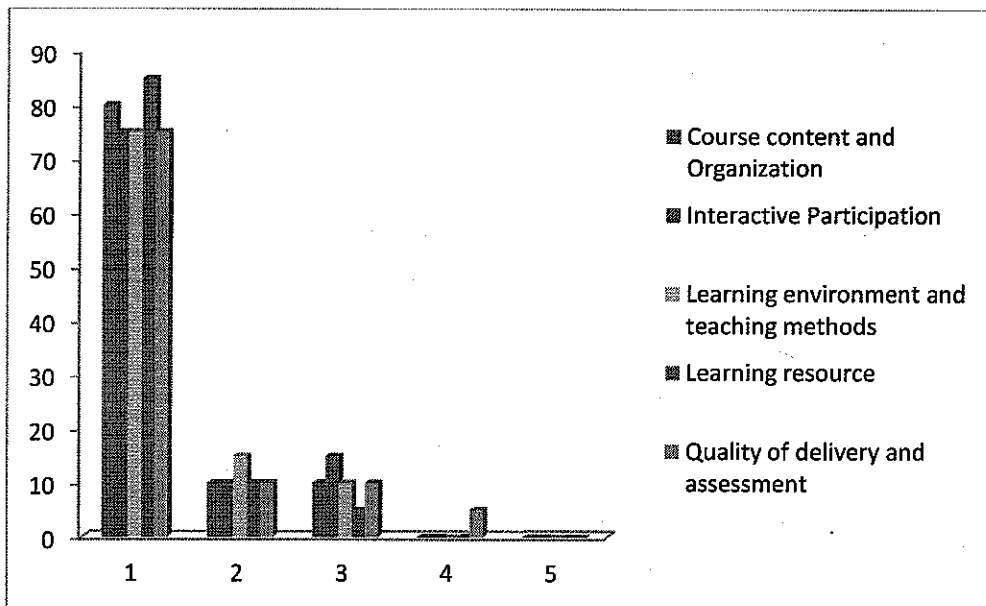
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DEPARTMENT OF BIOTECHNOLOGY

Consolidation of Students Feedback on Curriculum

ACADEMIC YEAR 2018-2019

CORE QUESTIONS	%E	%VG	%G	%S	%NS
Course content and Organization	80	10	10	0	0
Interactive Participation	75	10	15	0	0
Learning environment and teaching methods	75	15	10	0	0
Learning resource	85	10	5	0	0
Quality of delivery and assessment	75	10	10	5	0





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Curriculum Feedback Report by Students

Students' Feedback

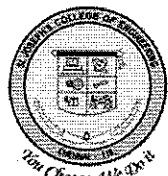
The college has obtained feedback on curriculum from students through questionnaire which contains the following major aspects such as Course content & Organization, Interactive participation, Learning environment & teaching methods, Learning resource and Quality of delivery and assessment. Total students strength was 175. Few students gave their feedback on curriculum for the academic year 2018-2019. 80% of the students 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 85% 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 75% 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

- Mini projects were encouraged in the department for enhancing the students equipment handling skills
- Need additional core companies for placement

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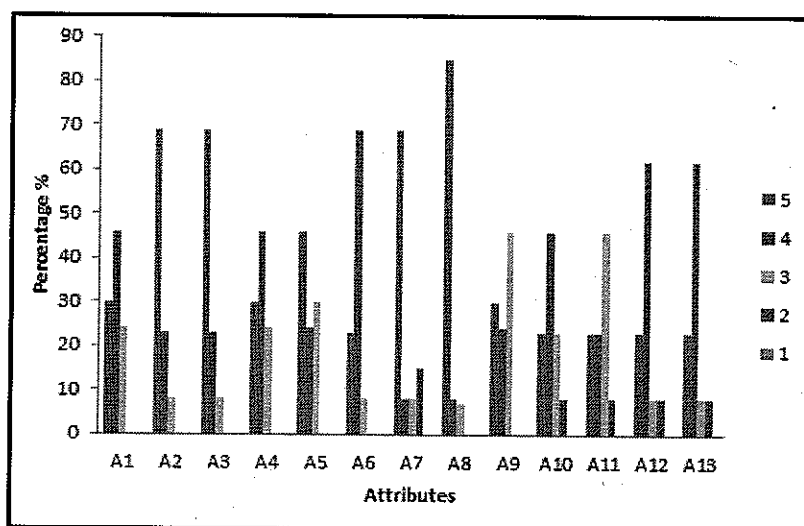
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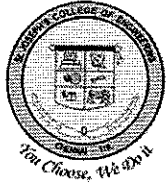
DEPARTMENT OF BIOTECHNOLOGY

Teacher's Feedback On Curriculum- Analysis

Academic year: 2018-2019

Grade in Percentage : 5-Excellent, 4-Very Good, 3- Good, 2- Satisfactory, 1- Not satisfactory						
S. No	Attributes	5	4	3	2	1
1.	Curriculum is based on the needs of the stake holders	30	46	24	0	0
2.	Course objectives and Outcomes of the course are well defined and clear to faculty and students	69	23	8	0	0
3.	Sufficient number of prescribed books are available in the library	69	23	8	0	0
4.	The course has good balance between theory and application.	30	46	24	0	0
5.	The course has made me interested in the subject area.	46	24	30	0	0
6.	The course has increased knowledge potential in its application	23	69	8	0	0
7.	Book facilities and other amenities like projectors, software's etc., are available in the department	69	8	8	15	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.	85	8	7	0	0
9.	I have the freedom to adopt new techniques of teaching such as seminar presentations, group discussions, demonstration and student's participations.	30	24	46	0	0
10.	Syllabus contain necessary technical skills for the students to face the industry needs	23	46	23	8	0
11.	The electives offered are relevant to the specialization streams and to the technological advancements.	23	23	46	8	0
12.	The laboratory experiments enhance the students in understanding the concepts and enable them to relate theory to practice (Experiential learning).	23	62	8	8	0
13.	Facilities are provided for teaching and to adopt current trends / research.	23	62	8	8	0





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Teacher's Feedback On Curriculum- Report

Academic Year: 2018-2019

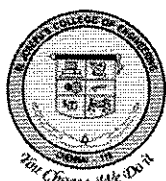
The College has made it a practice to conduct all faculty meeting, once in the starting of the semester, where the ways and means of enhancing the curriculum, academic discipline, Teaching Learning process and Research and Extension activities are discussed. During such meetings, the individual faculty 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 students workshops are organized to fill the gap in the curriculum.

Feedback analysis report:

- Open electives included in the regulation R-2017 was valuable for the biotech course
- Students were encouraged to take up of Online certification course for knowledge enrichment
- Awareness and usefulness of Opportunities and openings in BITP were informed to the students


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Exit Survey Analysis

ACADEMIC YEAR :2018-2019

Batch 2015-2019

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	2	2	2	0	0
3.	Project management, Commercialization & social application	1	2	3	0	0
4.	Professional codes & Bioethical practices	1	2	3	0	0
5.	Skills of communication and Team work	1	2	3	0	0
6.	Knowledge updating and self earning ability towards sustained employability	1	3	2	0	0

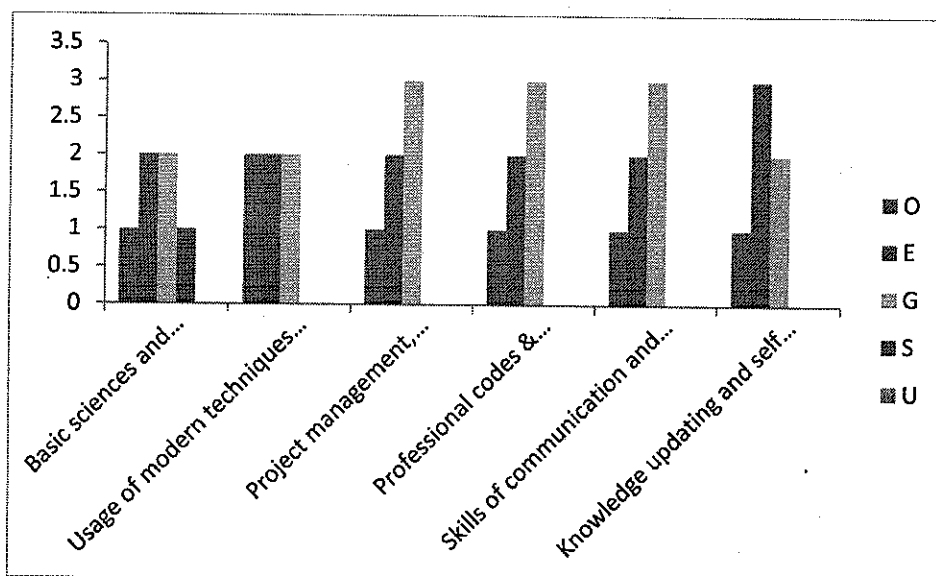
O - Outstanding

E - Excellent

G - Good

S - Satisfactory

U - Unable to judge





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Student Exit Survey Report

ACADEMIC YEAR: 2018-2019

Batch 2015-2019

Strength

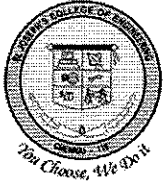
- More than one in plant training were taken up by students to improve the technical skills of students
- Career guidance for Civil service and banking service are given in the college premises

Weakness

- More practical sessions could be included for subjects

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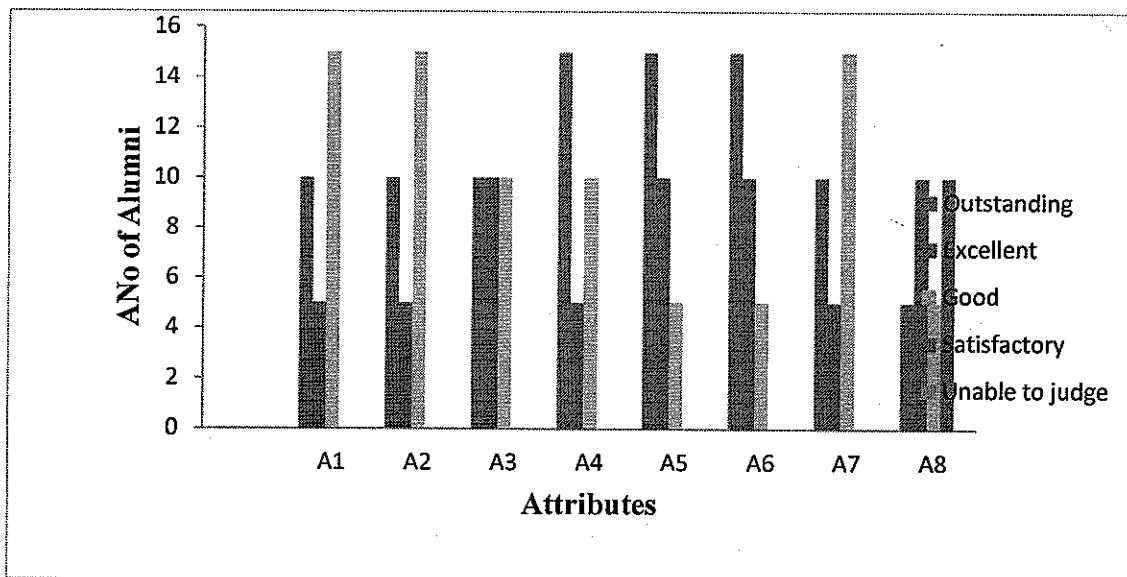
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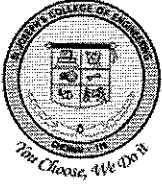
Alumni Feed Back



Academic Year: 2018-2019

S.No.	Attributes	Outstanding	Excellent	Good	Satisfactory	Unable to judge
1	Basic sciences and Engineering fundamentals	10	5	15	0	0
2	Usage of modern techniques in biotech processes	10	5	15	0	0
3	Project management, Commercialization & social application	10	10	10	0	0
4	Professional codes & Bioethical practices	15	5	10	0	0
5	Skills of Communication and Team work	15	10	5	0	0
6	Effectiveness of Placement enhancement programs	15	10	5	0	0
7	Effectiveness of Higher studies guidance	10	5	15	0	0
8	Ability to meet the current Industrial / Research challenges	5	10	5	10	0
Total		90	60	80	10	0





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Alumni Feed Back



Academic Year: 2018-2019

Alumni feedback was obtained from nearly 35 alumni for the academic year 2013-2014. 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 most 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

- Good exposure towards placement training program is provided

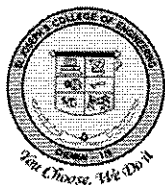
Weakness

- More focus should be given on different upcoming biotechnology techniques

Feedback analysis report

- Academic related programs and hospitality are satisfactory
- Alumni meeting helps a to make good a interaction


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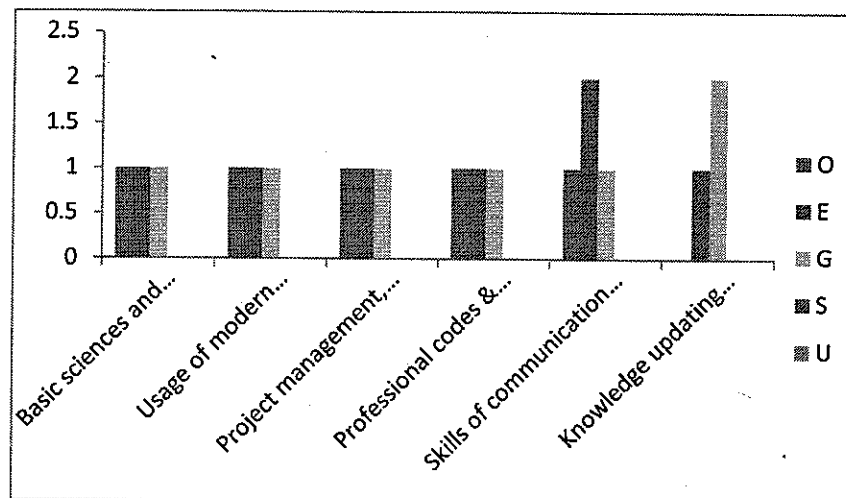
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Employer Feedback Analysis and Report

ACADEMIC YEAR: 2018-2019

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

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

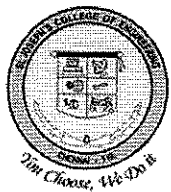


FEED BACK

- Students must be encouraged to take more internship and in plant training towards equipment handling
- Students to be given training on soft skills


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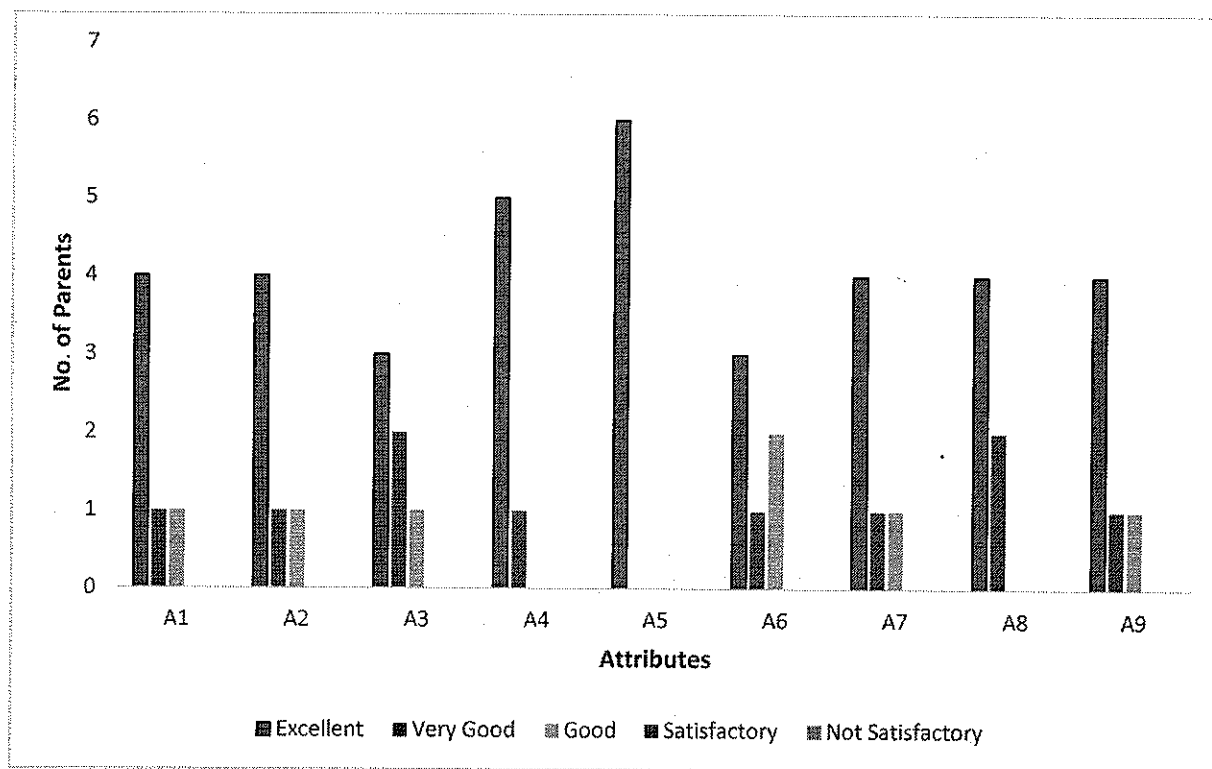
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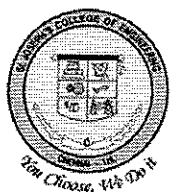
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Parents Feedback Analysis

ACADEMIC YEAR 2018-2019

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	4	1	1	0	0
3.	Library/ Reading facility available	3	2	1	0	0
4.	Discipline in the college	5	1	0	0	0
5.	Mess facility	6	0	0	0	0
6.	Transport Facility	3	1	2	0	0
7.	Industrial exposure given by the department	4	1	1	0	0
8.	Training provided to appear for placement	4	2	0	0	0
9.	Guidance provided for higher studies	4	1	1	0	0
Total		37	10	7	0	0





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Parents Feedback Report

ACADEMIC YEAR 2018-2019

Feedback

Strength

- Training provided to appear for placement are well organized both in College and Department level.
- Guidance provided for higher studies in the department was extremely good.
- National and International level Internship was undertaken by students.
- Department level extracurricular was improved by conducting department level club activities.

Weakness

- More Library hours could be allotted for the students to refer the books
- Transport Facility could be increased during special class time.
- Required hands on session on plant tissue culture techniques

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DEPARTMENT OF BIOTECHNOLOGY

INSTITUTION FEEDBACK

FEEDBACK RELATED TO INSTITUTE SUGGESTED BY STAKEHOLDERS/ ACTION TAKEN BY THE INSTITUTION

Academic Year: 2018-2019

S.No	Feed back	Action Taken by the Institute
1.	Simulation based software tools can be included	Suggestion was considered for the implementation of software tools through placement cell
2.	Additional Industrial Visit, Guest lecture, VAC program could be arranged to bridge curriculum gap in a semester	Suggestions were considered recommended to the respective in charges
3.	More club activities can be conducted for the students	Club activities are conducted regularly and additional activities are planned
4.	Social relevant application based mini projects for winning Hackathon could be insisted among students	Mini Projects are done by the students and training to win competitions are conferred to students in practical lab classes
5.	Employability skills can be improved further through upgraded training in inter personal skills sessions	Inclusion of Interpersonal Skill lab is done in R-2017 and further soft skill training are given through College placement cell

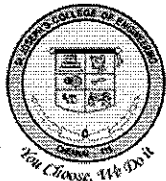

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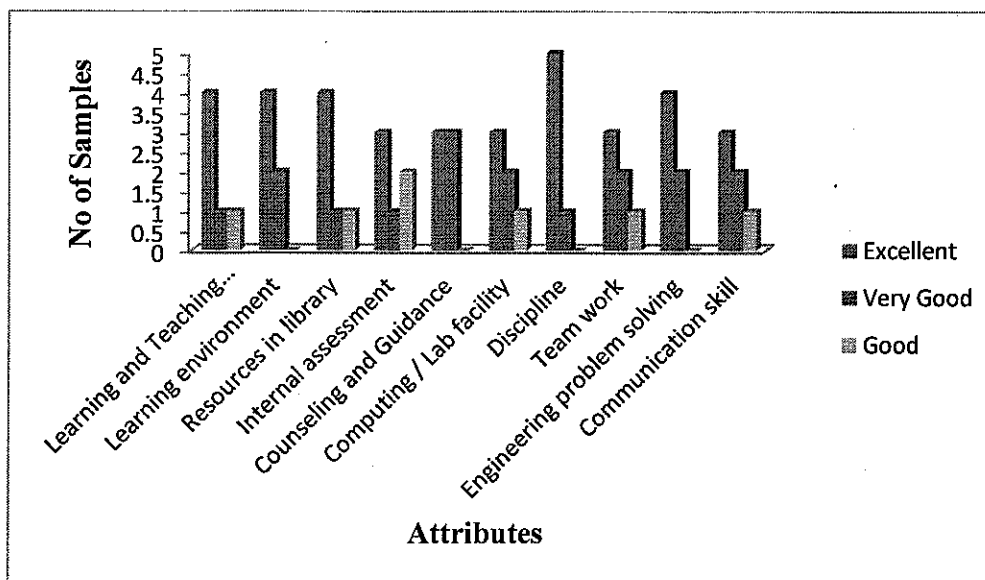
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INSTITUTION FEEDBACK

Academic Year: 2018-2019

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

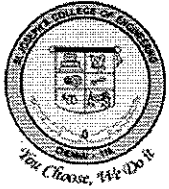


Feedback

- Simulation based software tools can be included
- Additional Industrial Visit, Guest lecture, VAC program could be arranged to bridge curriculum gap in a semester
- More club activities can be conducted for the students
- Social relevant application based mini projects for winning Hackathon could be insisted among students
- Employability skills can be improved further through upgraded training in inter personal skills sessions

S. Srinivas
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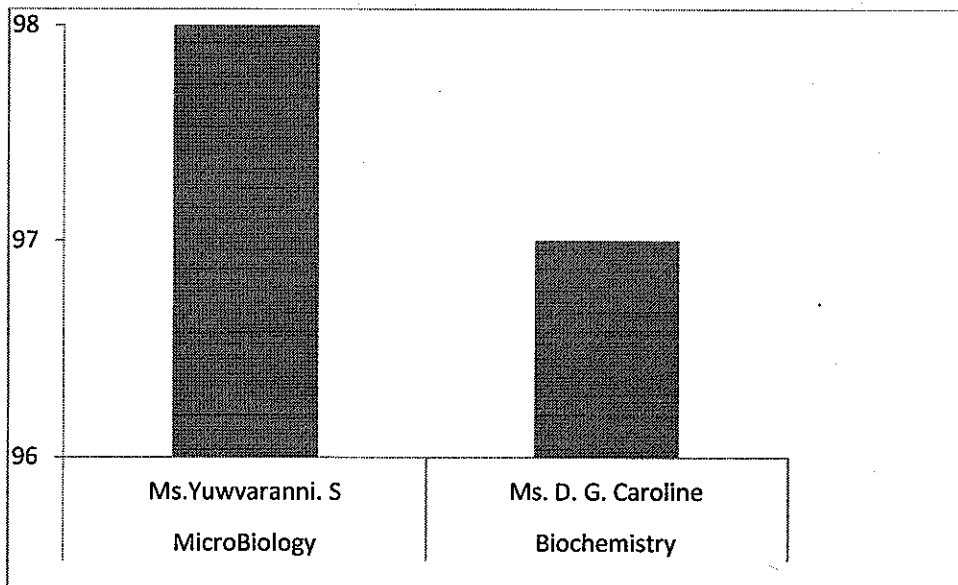
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Consolidated report on student feedback analysis on teaching faculty

ACADEMIC YEAR 2018-2019 – EVEN SEMESTER

I YEAR /II SEMESTER

Subject code	Subject	Name of the staff	Feedback percentage
BT8291	MicroBiology	Ms. Yuwvaranni. S	98
BT8251	Biochemistry	Ms. D. G. Caroline	97

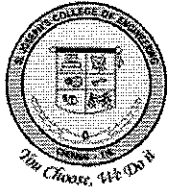



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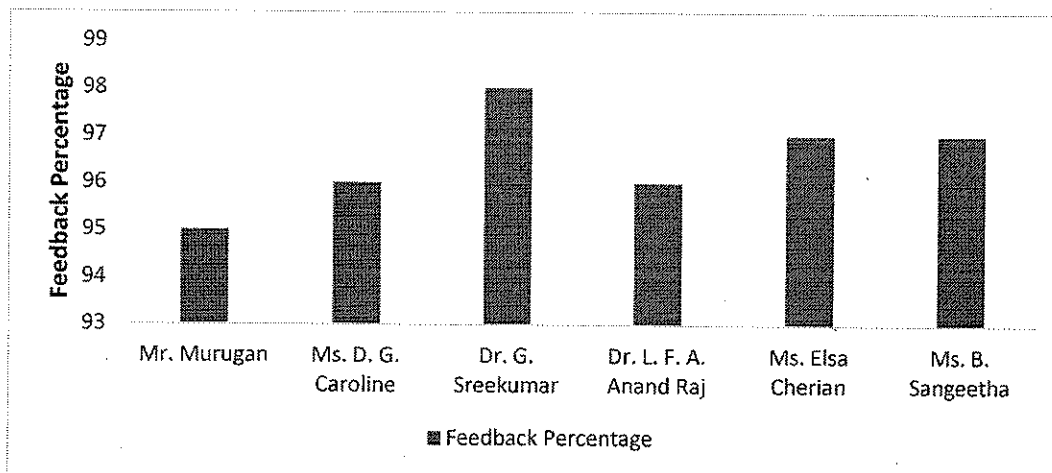
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ACADEMIC YEAR 2018-2019 – ODD SEMESTER

II YEAR / III SEMESTER

Subject code	Subject	Name of the staff	Feedback percentage
MA8353	Transforms and Partial Diff. Equations	Mr. Murugan	95
BT8301	Stoichiometry	Ms. B. Sangeetha	97
BT8302	Applied Thermodynamics for Biotechnologists	Ms. D. G. Caroline	96
BT8303	Basic Industrial Biotechnology	Dr. G. Sreekumar	98
BT8304	Bioorganic Chemistry	Dr. L. F. A. Anand Raj	96
BT8305	Cell Biology	Ms. Elsa Cherian	97

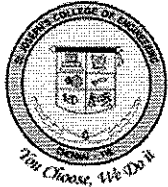



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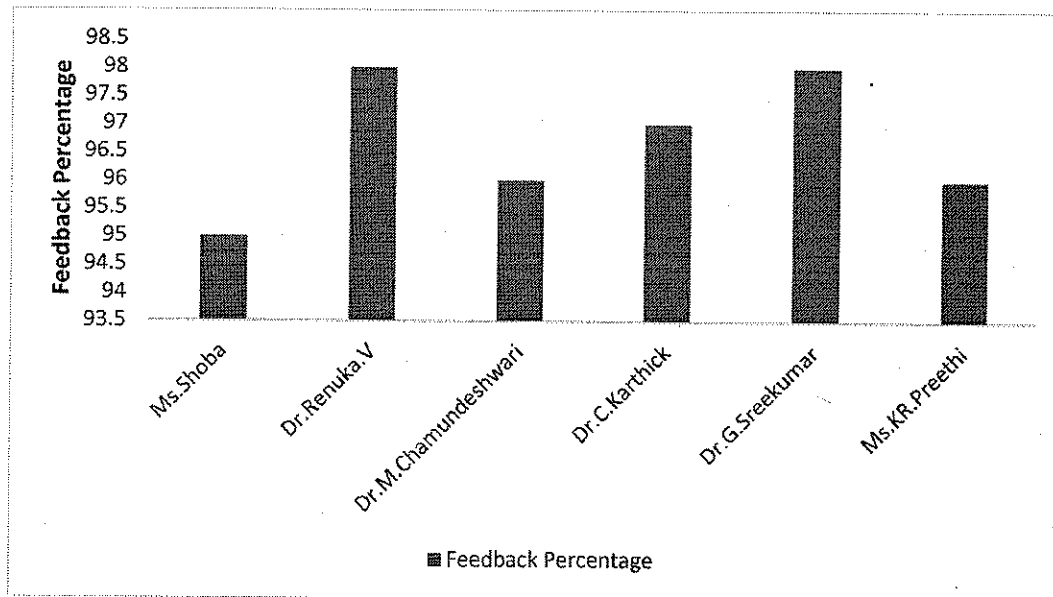
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ACADEMIC YEAR 2018-2019 – EVEN SEMESTER

II YEAR / IV SEMESTER

Subject code	Subject	Name of the staff	Feedback percentage
MA8391	Probability and Statistics	Ms.Shoba	95
BT8401	Fluid Mechanics and Heat Transfer Operations	Dr.Renuka.V	98
BT8302	Molecular Biology	Dr.M.Chamundeshwari	96
BT8303	Enzyme Technology and Bio Transformations	Dr.C.Karthik	97
BT8404	Bioprocess Principles	Dr. G.Sreekumar	98
GE8291	Environmental Science and Engineering	Ms. K.R.Preethy	96




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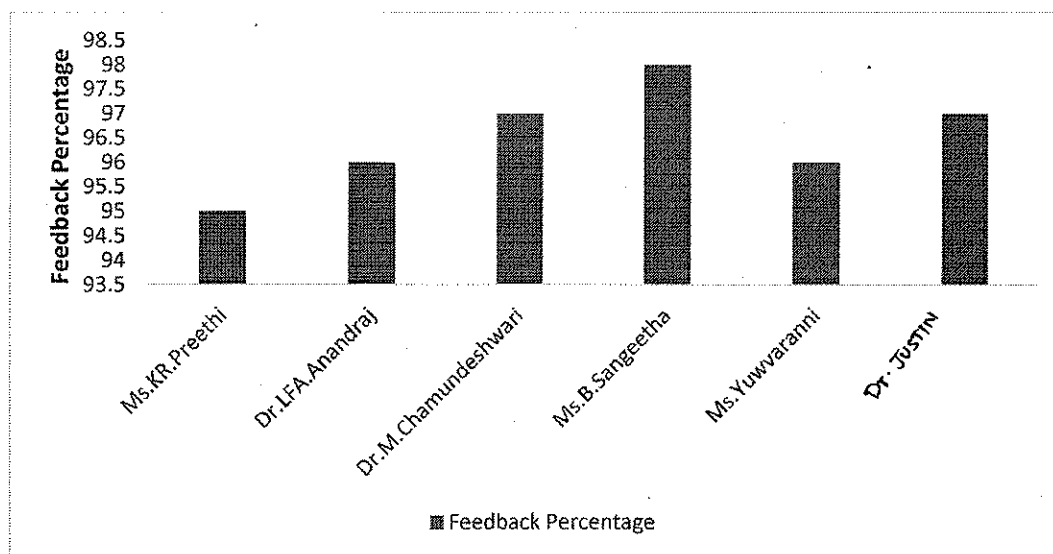
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ACADEMIC YEAR 2018-2019 – ODD SEMESTER

III YEAR / VI SEMESTER

Subject code	Subject	Name of the staff	Feedback percentage
BT6601	Total Quality Management For Biotechnologists	Ms.KR.Preethi	95
BT6602	Immunology	Dr.LFA.Anandraj	96
BT6603	Genetic Engineering and Genomics	Dr.M.Chamundeshwari	97
BT6604	Chemical Reaction Engineering	Ms.B.Sangeetha	98
BT6607	Animal Biotechnology	Ms.Yuwvaranni	96
BT6010	Plant Biotechnology	Dr.Justin Packia Jacob	97

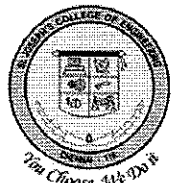


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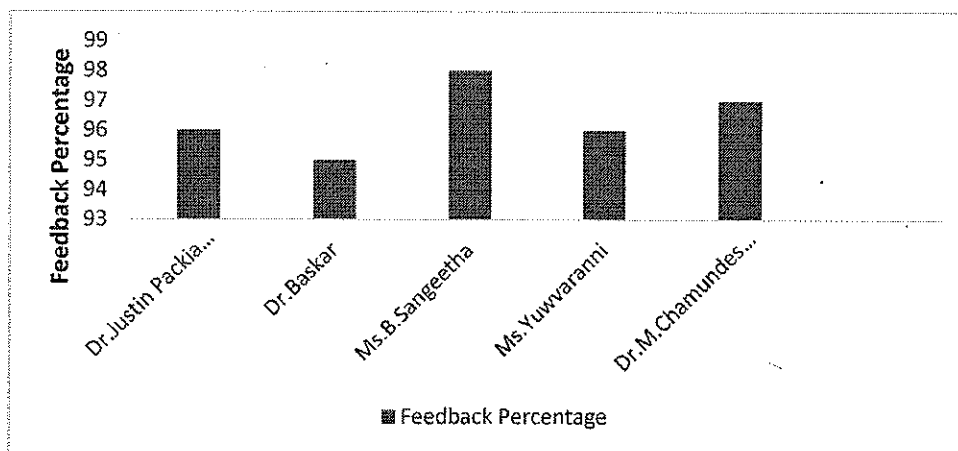
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ACADEMIC YEAR 2018-2019 – ODD SEMESTER

IV YEAR / VII SEMESTER

Subject code	Subject	Name of the staff	Feedback percentage
BT6701	Bioinformatics and Computational Biology	Dr.Justin Packia Jacob	96
BT6702	Downstream Processing	Dr.G.Baskar	95
BT6703	Creativity Innovation and New Product Development	Ms.B.Sangeetha	98
BT6014	Bio Industrial Entrepreneurship	Ms. Yuwvaranni	96
BT6017	Tissue Engineering	Dr.M.Chamundeshwari	97




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