

St Joseph's College of Engineering
Old Mamallapuram Road, Chennai – 119
Department of Chemical Engineering
Academic Year 2017-18

Feedback Analysis of Stakeholders on curriculum and Actions Taken Report

S.NO	Stakeholder	Feedback	Actions Taken
1.	Student	Subject should include about overview of whole syllabus Equipment design can be added in syllabus as a part of any subject	Subject named Principle of Chemical Engineering has been included in new regulation. Theory subject has been included in new regulation for Equipment design.
2.	Teacher	Internship must be encouraged Hands on training for different simulation software's must be included	Students advised to take up internship programs during vacations. Different programs are conducted for the students in Bio-informatics, Piping and Instrumentation.
3.	Alumni	Student must learn fundamental basics to improve their technical skills. More time can be given for the students during practical sessions.	Special Coaching are arranged to improve sound knowledge in subjects. Practical hours are increased for the students for the effective utilization of the lab hours.
4.	Employers	Students must get better fundamental knowledge to improve their analytical skills. Updates on current technologies Students need to be trained properly to attend placement interview to get the campus placement. Students should have basic etiquette.	Special classes are arranged for the students other than the regular classes to improve their understanding in the subjects. Students are advised to do certified courses in the emerging areas. The placement training program from the first year is planned for the students More mentors are placed to address this issue among the students.
5.	Parents	Parents are not willing to come to the campus for paying the arrear fees. Need training in Personality development and communication skills Need more leaves for the hostel students during the festival leaves.	Students are allowed to pay the arrear fee without their parents. The students weak in communication skills are identified and special programs are conducted for them. Considered based on the academic schedule.

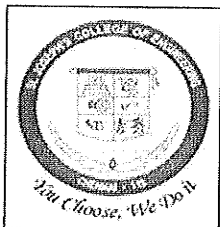
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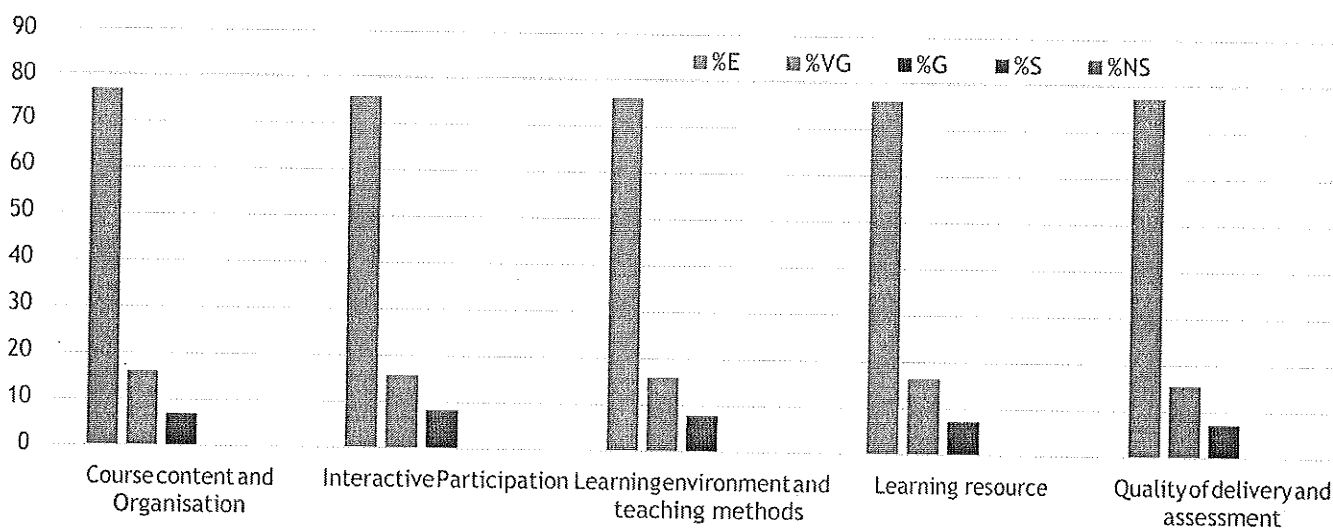
COURSE EVALUATION –FEEDBACK BY STUDENT

SAMPLE REPORT

ACADEMIC YEAR: 2017-2018

CORE QUESTIONS	%E	%VG	%G	%S	%NS
Course content and Organisation	85	10	5	0	0
Interactive Participation	86	11	3	0	0
Learning environment and teaching methods	86	12	2	0	0
Learning resource	86	8	6	0	0
Quality of delivery and assessment	87	10	3	0	0

ACADEMIC YEAR: 2017-2018

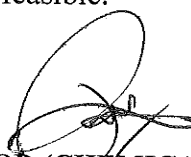


Students' Feedback

The college has obtained feedback on curriculum from students through questionnaire which contains the following major aspects such as Course content & Organisation, Interactive participation, Learning environment & teaching methods, Learning resource and Quality of delivery and assessment. Totally 180 students gave their feedback on curriculum for the academic year 2017-2018. 85% 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 interactions by teachers with students are more feasible and reliable. Around 86% of the students agreed that they are equipped with necessary teaching methods required for their programme. It is observed that 86% 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 87% 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

- ✦ From the analysis of the students' feedback it is revealed that they are satisfied with the curriculum framed.
- ✦ It is reported by the students that the teaching methods are more feasible.


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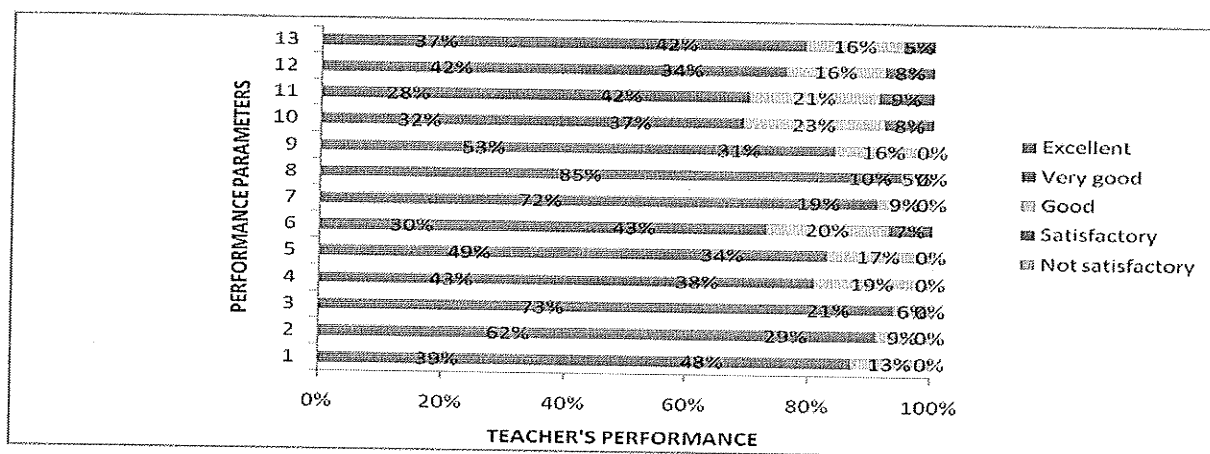


Form-II
St. JOSEPH'S COLLEGE OF ENGINEERING
Department of Chemical Engineering
TEACHER'S FEEDBACK ON CURRICULUM - ANALYSIS

Academic Year: 2017-18

Grade : 5-Excellent, 4-Very Good, 3- Good, 2- Satisfactory, 1- Not satisfactory

S. No	Details	5	4	3	2	1
1.	Curriculum is based on the needs of the stake holders	39%	48%	13%	0%	0%
2.	Course objectives and Outcomes of the course are well defined and clear to faculty and students	62%	29%	9%	0%	0%
3.	Sufficient number of prescribed books are available in the library	73%	21%	6%	0%	0%
4.	The course has good balance between theory and application.	43%	38%	19%	0%	0%
5.	The course has made me interested in the subject area.	49%	34%	17%	0%	0%
6.	The course has increased knowledge potential in its application	30%	43%	20%	7%	0%
7.	Book facilities and other amenities like projectors, softwares etc., are available in the department	72%	19%	9%	0%	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%	10%	5%	0%	0%
9.	I have the freedom to adopt new techniques of teaching such as seminar presentations, group discussions, demonstration and student's participations.	53%	31%	16%	0%	0%
10.	Syllabus contain necessary technical skills for the students to face the industry needs	32%	37%	23%	8%	0%
11.	The electives offered are relevant to the specialization streams and to the technological advancements.	28%	42%	21%	9%	0%
12.	The laboratory experiments enhance the students in understanding the concepts and enable them to relate theory to practice (Experiential learning).	42%	34%	16%	8%	0%
13.	Facilities are provided for teaching and to adopt current trends / research.	37%	42%	16%	5%	0%



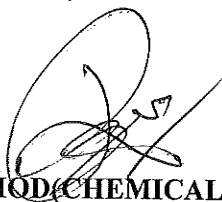
TEACHERS FEEDBACK ON CURRICULUM

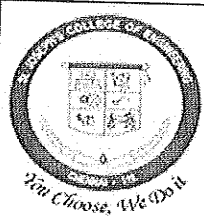
- The examination report of the educators' criticism uncovers that they are exceedingly happy with the structure of the educational modules.
- The proposals given by them identified with explicit subjects were noted for further activity.

The College follows a continuous review system of the curriculum. The functioning of various committees of the College strengthens the quality sustenance and enhancement measures to ensure the effective development of curricula. Curriculum is enriched through mini projects/ student conferences/symposiums and innovative club in the college. 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 organised to fill the gap in the curriculum.

Feedback analysis report:

- Flexible and Choice Based Credit System to learn soft core elective courses, professional elective courses and open elective courses offered across the departments.
- The analysis report of the teachers' feedback reveals that they are highly satisfied with the framework of the curriculum.
- Suggestions to include Design experiments in many laboratory courses thereby stimulating creativity and innovation in students.
- Courses on communication skills / Professional ethics / Environmental Engineering, and Employability Skills
- The suggestions given by them related to specific subjects were noted for further action.
- Training programs should be conducted to enhance the professional competency and teaching pedagogy of the Student.


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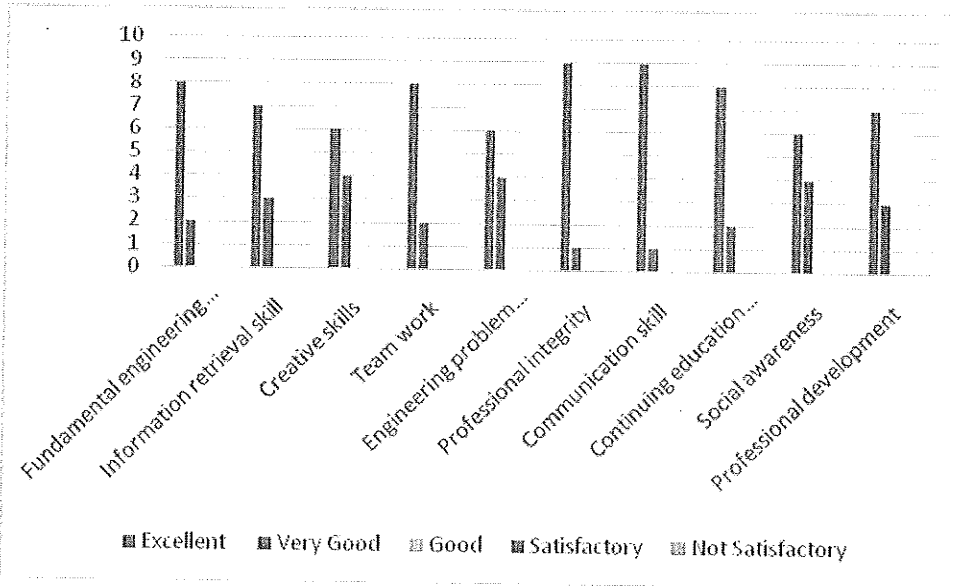


St. Joseph's College of Engineering
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Department of Chemical Engineering

EXIT SURVEY REPORT

Academic Year: 2017-2018

Parameters	Excellent	Very Good	Good	Satisfactory	Not Satisfactory
Fundamental engineering analysis skill	8	2	0	0	0
Information retrieval skill	7	3	0	0	0
Creative skills	6	4	0	0	0
Team work	8	2	0	0	0
Engineering problem solving skills	6	4	0	0	0
Professional integrity	9	1	0	0	0
Communication skill	9	1	0	0	0
Continuing education awareness	8	2	0	0	0
Social awareness	6	4	0	0	0
Professional development	7	3	0	0	0
Total	74	26	0	0	0




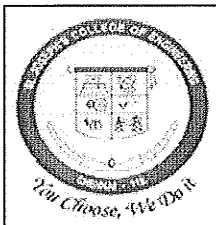
Strength

1. Efficient Staffs
2. Well Scheduled Placement training programs.
3. Guest Lectures increases the comprehensive knowledge about industries
4. Value added courses enhance the skills and knowledge for professional development.
5. ABHS provides guidance for higher studies and gives information about various abroad universities.

Weakness

1. Interactive learning needs to be implemented.
2. Need more industry interaction.
3. Mini projects have to be included in the curriculum.
4. Internships have to be included in curriculum


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**St. Joseph's College of Engineering
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ALUMNI SURVEY

Academic Year: 2017-18

The alumni feedback evolved for needs from both the ends, i.e. academicians and professionals, in the aim of building a bridge between college life and career life, so that the fresher graduates are made proactive to face the current challenges of competitive professional world. The institution believes that the feedback 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. The quality of education depended on the overall academic environment of the institution, a well-furnished and stocked library, necessary computer facilities, and well-equipped labs are the infrastructural priorities. The quality education could come only if there were quality teachers who were good communicators. Approximately 75% of alumni said that overall quality of college education is excellent, 20% student rate as very good and 5% of student rate as good. Approximately, 80% of alumni rated that overall quality of programme at this college is excellent, 10% of alumni rated as very good and 10% rated as good. The overall strength and weakness of the department from the alumni are summarized below.

Strength

1. Excellent Academics
2. Versatile faculty members
3. Organized academic schedule
4. Special care has been given for improving student's academic performance
5. Well planned placement training

Weakness

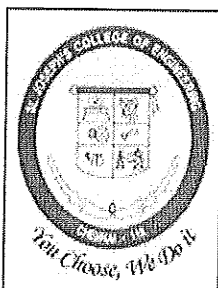
1. Industry interaction
2. Mini projects have to be included in the curriculum.

Feedback analysis report

It is evident from the feedback analysis report that almost all the alumni's are happy to be a part of this institution and they are very happy to recommend their friends and relatives to enroll in this institution.


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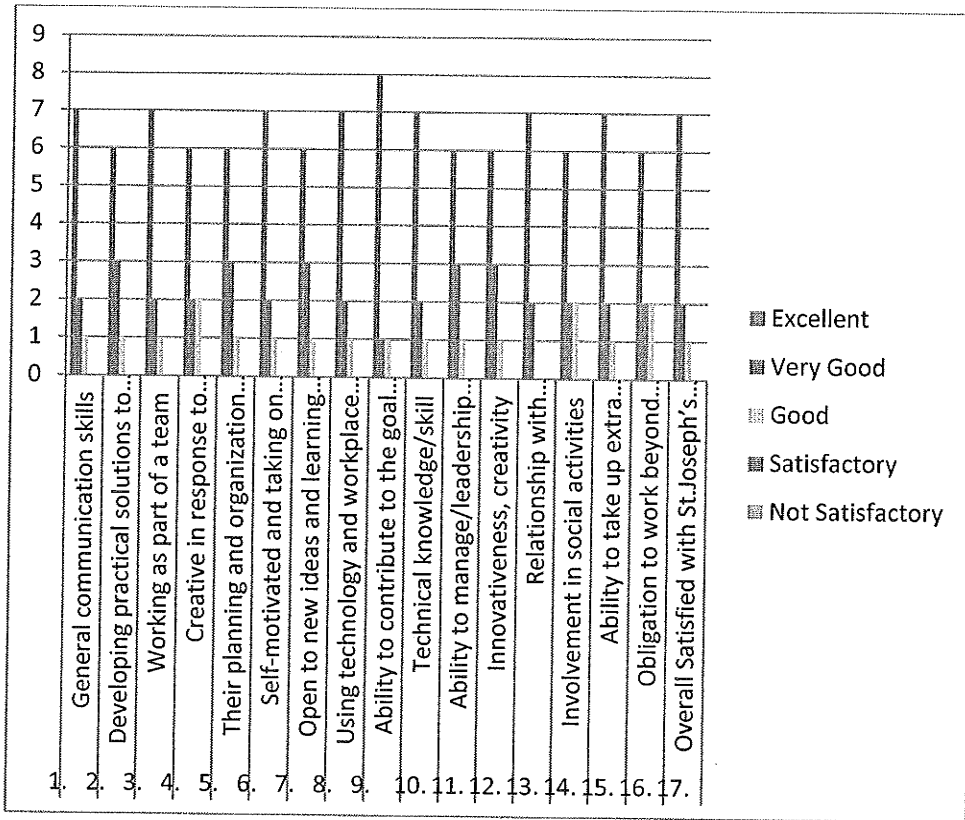


ST. JOSEPH'S COLLEGE OF ENGINEERING
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DEPARTMENT OF CHEMICAL ENGINEERING

EMPLOYER FEEDBACK ANALYSIS

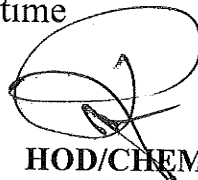
ACADEMIC YEAR: 2017-2018

S.No	How satisfied are you with the employee/s (our student/s) work performance in each of these areas:	5	4	3	2	1
1.	General communication skills	7	2	1	0	0
2.	Developing practical solutions to work place problems	6	3	1	0	0
3.	Working as part of a team	7	2	1	0	0
4.	Creative in response to workplace challenges	6	2	2	0	0
5.	Their planning and organization skills	6	3	1	0	0
6.	Self-motivated and taking on appropriate level of responsibility	7	2	1	0	0
7.	Open to new ideas and learning new techniques	6	3	1	0	0
8.	Using technology and workplace equipment	7	2	1	0	0
9.	Ability to contribute to the goal of the organization	8	1	1	0	0
10.	Technical knowledge/skill	7	2	1	0	0
11.	Ability to manage/leadership qualities	6	3	1	0	0
12.	Innovativeness, creativity	6	3	1	0	0
13.	Relationship with seniors/peers/subordinates	7	2	0	0	0
14.	Involvement in social activities	6	2	2	0	0
15.	Ability to take up extra responsibility	7	2	1	0	0
16.	Obligation to work beyond schedule if required	6	2	2	0	0
17.	Overall Satisfied with St. Joseph's students and curriculum	7	2	1	0	0



Feedback

- Students need to be given more training to get job in campus placement
- Basic updates in technology can be shared from time to time


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Form VIII

St. JOSEPH'S COLLEGE OF ENGINEERING

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Department of Chemical Engineering

Vision of Department

To provide knowledge centered education that continually responds to changing realities in the field of Chemical Engineering.

Mission of Department

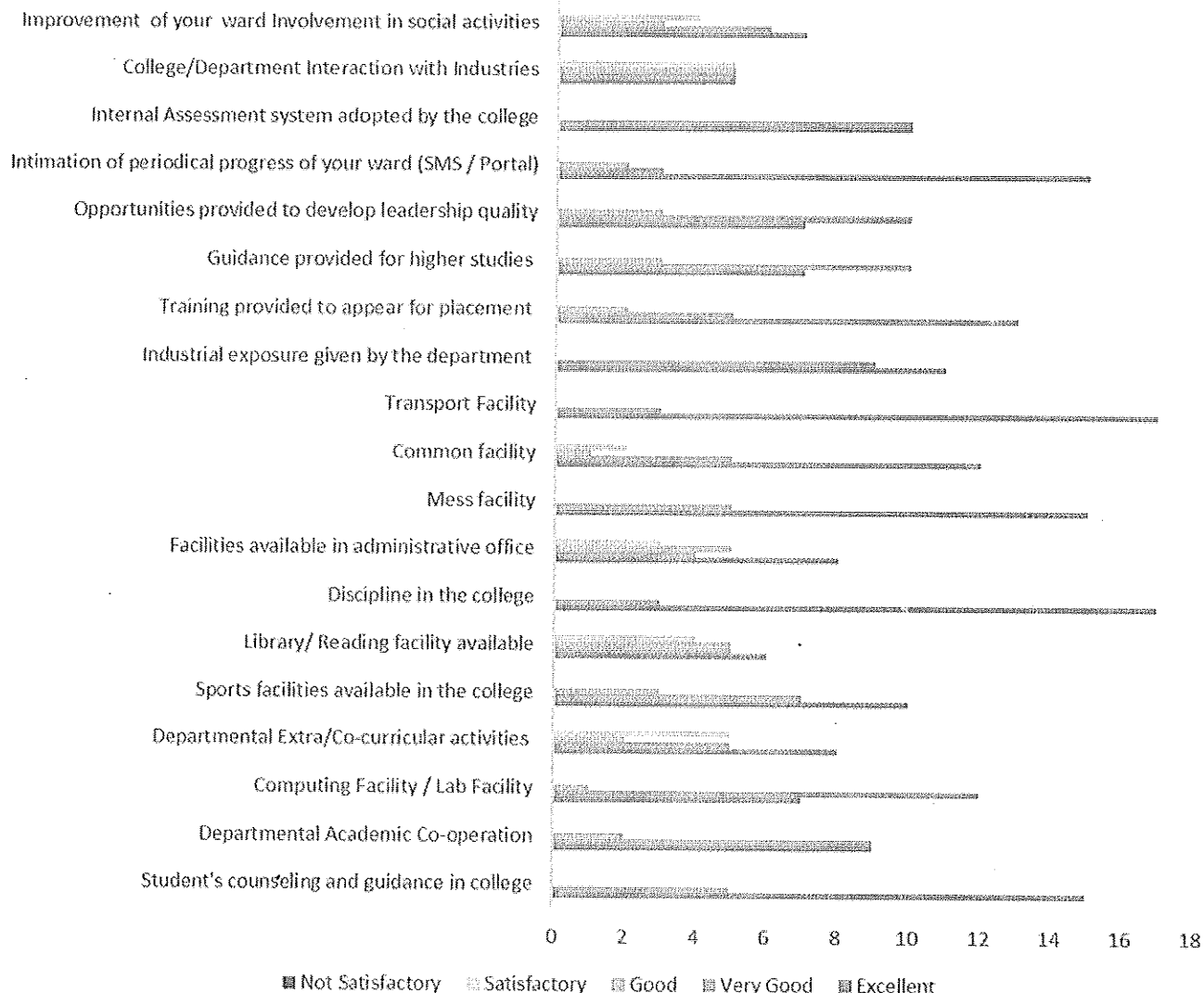
- To establish academic integrity so as to inculcate the professional skills to compete in global environments.
- To enrich the Chemical Engineering knowledge through research & innovation.
- To hone the skills of students to succeed in Chemical Industry.

FEEDBACK ANALYSIS OF PARENTS

S.No.	Particulars	Grading				
		5	4	3	2	1
1.	Student's counseling and guidance in college	21	11	2	1	0
2.	Departmental Academic Co-operation	18	13	2	2	0
3.	Computing Facility / Lab Facility	17	15	1	2	0
4.	Departmental Extra/Co-curricular activities	20	15	0	0	0
5.	Sports facilities available in the college	10	10	10	5	0
6.	Library/ Reading facility available	5	20	5	0	5
7.	Discipline in the college	15	12	3	5	0
8.	Facilities available in administrative office	5	5	5	10	10
9.	Mess facility	25	10	0	0	0
10.	Common facility	8	7	5	10	5
11.	Transport Facility	25	3	2	5	0
12.	Industrial exposure given by the department	10	10	10	5	0
13.	Training provided to appear for placement	29	3	3	0	0
14.	Guidance provided for higher studies	11	11	13	0	0
15.	Opportunities provided to develop leadership quality	14	10	5	6	0
16.	Intimation of periodical progress of your ward (SMS / Portal)	20	4	6	5	0
17.	Internal Assessment system adopted by the college	17	16	2	0	0
18.	College/Department Interaction with Industries	10	10	10	5	0
19.	Improvement of your ward Involvement in social activities	5	5	5	5	10

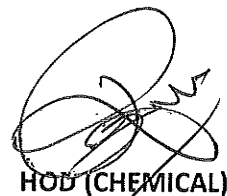
Grade: 5-Excellent, 4-Very Good, 3- Good, 2- Satisfactory, 1- Not satisfactory (Use the following scale for grading)**Remark if any:** (Please specify any changes required in syllabus or department or College)

2017-2018



FEEDBACK

- Rapport between students and faculty can be improved.
- Organizational Skills can be improved.
- Department related workshops can be given more importance.


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St. JOSEPH'S COLLEGE OF ENGINEERING, CHENNAI — 119
 DEPARTMENT OF CHEMICAL ENGINEERING
 ACADEMIC YEAR 2017 — 2018 (ODD SEMESTER)

CONSOLIDATED REPORT OF STUDENTS FEEDBACK ANALYSIS ON TEACHING FACULTY

II YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
MA6351	Transforms and Partial Differential Equations	Dr. Annadurai	92.5
EE6351	Electrical Drives and Controls	Ms. Vanitha	91
CH6301	Organic Chemistry	Ms. A. M. Aparna	91
CH6302	Mechanics of Solids	Dr. N. Venkatesh	92
CH6303	Physical Chemistry	Mr. S. Vinod Kumar	90
CH6304	Fluid Mechanics	Dr. M. Palaniyappan	90


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 DEPARTMENT OF CHEMICAL ENGINEERING
 ACADEMIC YEAR 2017 — 2018 (ODD SEMESTER)
 CONSOLIDATED REPORT OF STUDENTS FEEDBACK ANALYSIS ON TEACHING FACULTY

III YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
MA6459	Numerical Methods	Ms.Sasikala	89
CH6501	Instrumental Methods of Analysis	Ms.Sivaranjanee	89
CH6502	Chemical process Industries – II	Dr.M.Palaniyappan	90
CH6503	Chemical Engineering Thermodynamics II	Ms.A.M.Aparna	89
CH6504	Heat Transfer	Ms.B.SenthilRathi	90
CH6505	Mass Transfer-I	Dr.R.Baskaran	92


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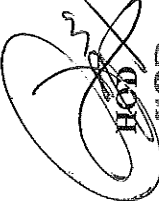


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 ACADEMIC YEAR 2017 — 2018 (ODD SEMESTER)
 CONSOLIDATED REPORT OF STUDENTS FEEDBACK ANALYSIS ON TEACHING FACULTY

IV YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
CH6701	Chemical Reaction Engg - II	Ms.B.S Rathi	93
CH6702	Transport Phenomena	Ms.N.Deepa	92
CH6703	Chemical Process Plant Safety	Dr.R.Baskaran	94
CH6704	Process Economics	Dr.N.Venkatesh	94
CH6705	Biochemical Engineering	Ms.A.Tamilarasi	92
CH6009	Fertilizer Technology	Mr.S.Vinod Kumar	92


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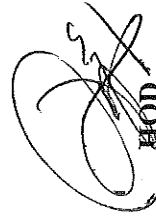


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St. JOSEPH'S COLLEGE OF ENGINEERING, CHENNAI — 119
 DEPARTMENT OF CHEMICAL ENGINEERING
 ACADEMIC YEAR 2017 — 2018 (EVEN SEMESTER)
 CONSOLIDATED REPORT OF STUDENTS FEEDBACK ANALYSIS ON TEACHING FACULTY

II YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
CH6401	Chemical process Industries-I	Dr.R.Baskara (A) Ms.A.M.Aparna (B)	93.5
CH6402	Chemical Engineering Thermodynamics -I	Mr.S.Vinod Kumar	93
CH6403	Chemical Process Calculation	Dr.N.Venkatesh	92
CH6404	Mechanical Operations	Ms.R.Sivaranjane	91
GE6351	Environmental Science and Engineering	Mr.Saravanan	91
MA6468	Probability and Statistics	Mr.Manikandan Prabhu Dr.Sasikala	90


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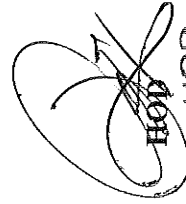


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III YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
CH6601	Energy Engineering	Ms.A.Tamilarasi	90
CH6602	Chemical Reaction Engineering -I	Ms.B.Senthil Rathi	91
CH6603	Mass Transfer-II	Dr.R.Baskaran	94
CH6604	Material science and Technology	Ms.Uma Devi	93
CH6605	Process Instrumentation Dynamics and Control	Ms.A.M.Aparna	93
CH6001	Food Technology	Ms.N.Deepa(A) Ms.Sivaranjanee(B)	92


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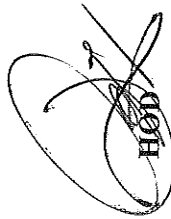
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IV YEAR

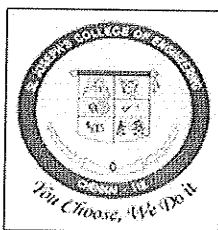
SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
CH6018	PROCESS PLANT UTILITY	Dr.N.VENKATESH (A) Ms.A.TAMILARASI (B)	95
CH6013	PETROLEUM TECHNOLOGY	Mr.S.VINOD KUMAR(A) Ms.B.SENTHIL .RATHI(B)	95


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Department of Chemical Engineering

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

ACADEMIC YEAR: 2017-2018

S.NO	STAKE HOLDERS FEEDBACK	ACTION TAKEN
1.	Require Industrial related electives	Elective courses were selected accordingly
2.	Need knowledge on department related Software	Introduced ASPEN Software to students
3.	Need access to e-Journal and publication	Information is reported to librarian through Principal and more number of e-Jouranls were purchased.
4.	Exposure to Practical knowledge is required	Students were provided platform to exhibit their practical knowledge through working model.

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OLD MAMALLAPURAM ROAD,
CHENNAI-600 119.**