

St Joseph's College of Engineering
Old Mamallapuram Road, Chennai – 119
Department of Chemical Engineering
Academic Year 2013-14

Feedback Analysis of Stakeholders on curriculum and Actions Taken Report

S.NO	Stakeholder	Feedback	Actions Taken
1.	Student	Faculty-student interaction may be enhanced. Smart class programmes may be made effective.	Learning management system through interactive activities which enables the mutual interaction between faculty and student was encouraged. Smart Class rooms, video conferencing was made effective.
2.	Teacher	Case study approach may be introduced. Group assignments and projects to be given. Refresher course to enrich the learning experience of the faculty may be organized.	Case study assignments were given to the students. This helped them to acquire problem solving skills. Group assignments and projects were given. Interdepartmental projects were carried
3.	Alumni	Interactive learning needs to be implemented. Slow learners require extra time for studies.	Think pair share, NPTEL videos is shared to students. Remedial Classes has been conducted during study holidays.
4.	Employers	Rapport between faculty and students should be strengthened. Organizational skills of the students must be improved.	Mentoring Process Technical Fest
5.	Parents	Focus more on research-based teaching. Learning strategies to expose the students the latest developments in research.	Departments organized talks by industrial experts and alumni. Industrial and research exposure in various research institutions were provided.

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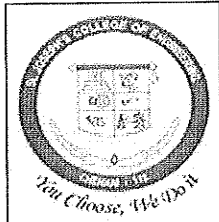
ST. JOSEPH'S COLLEGE OF ENGINEERING

(A CHRISTIAN MINORITY INSTITUTION)

JEPPIAAR EDUCATIONAL TRUST,

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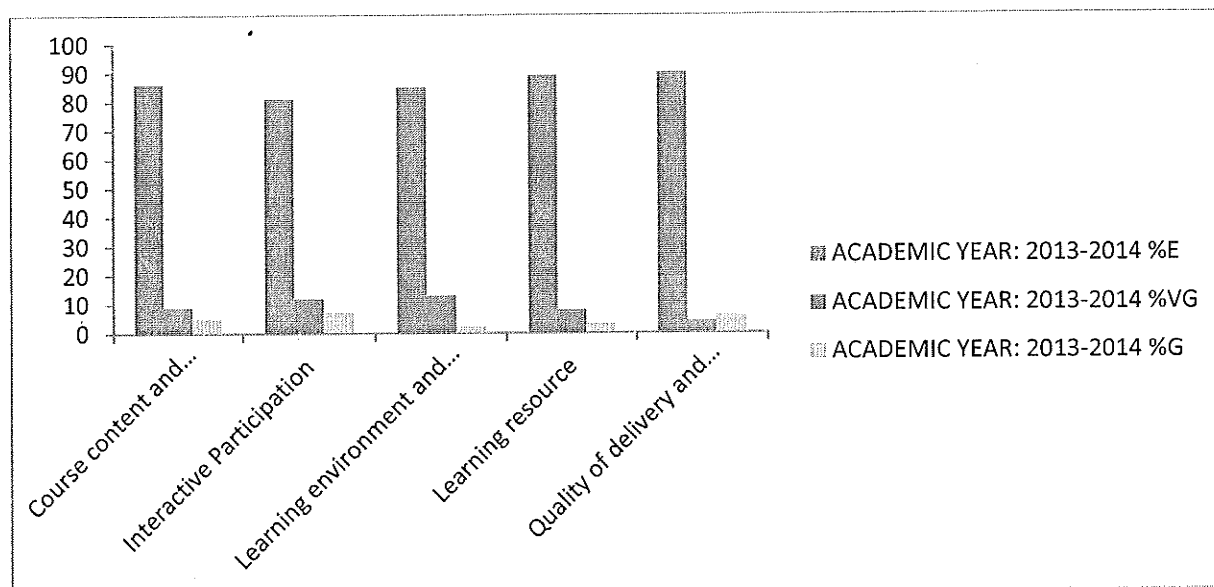
**St. Joseph's College of Engineering
OMR, Chennai
Department of Chemical Engineering**

COURSE EVALUATION – FEEDBACK BY STUDENT

SAMPLE REPORT

ACADEMIC YEAR: 2013-2014

CORE QUESTIONS	%E	%VG	%G	%S	%NS
Course content and Organisation	86	9	5	0	0
Interactive Participation	81	12	7	0	0
Learning environment and teaching methods	85	13	2	0	0
Learning resource	89	8	3	0	0
Quality of delivery and assessment	90	4	6	0	0



Students' Feedback

The college has obtained feedback on curriculum from students through survey 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 100 students gave their feedback on curriculum for the academic year 2013-2014. 86% of the student body agreed that the portfolio 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 85% of the students agreed that they are armed with necessary teaching methods required for their programme. It is observed that 89% of the students agreed that the arrangement for learning resource in library was adequate and appropriate with their respective field of specialization areas. The feedback revealed that 90% 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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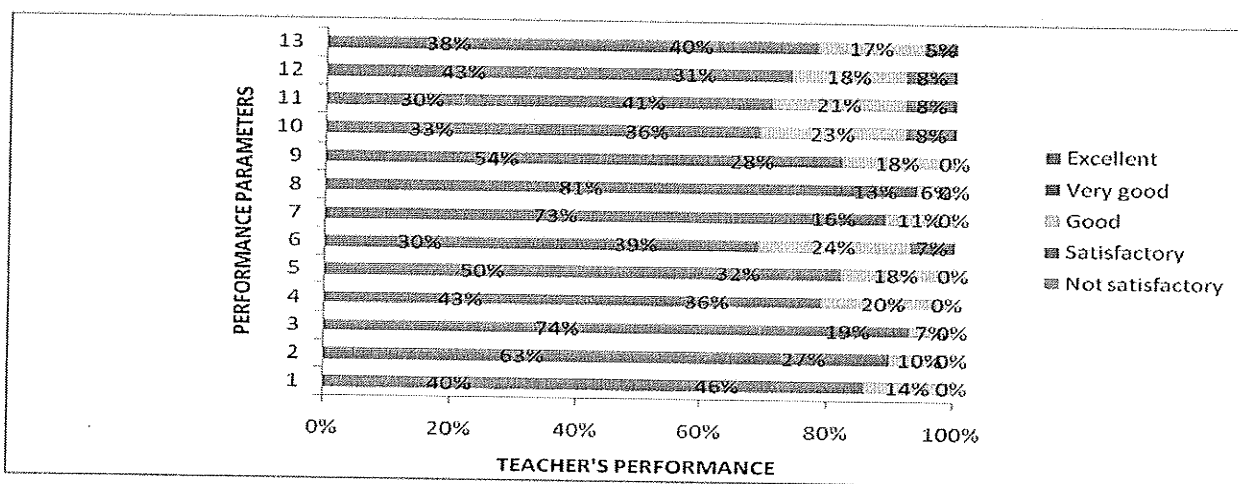
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Form-II
St. JOSEPH'S COLLEGE OF ENGINEERING
Department of Chemical Engineering
TEACHER'S FEEDBACK ON CURRICULUM - ANALYSIS
 Academic Year: 2013-14

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	40%	46%	14%	0%	0%
2.	Course objectives and Outcomes of the course are well defined and clear to faculty and students	63%	27%	10%	0%	0%
3.	Sufficient number of prescribed books are available in the library	74%	19%	7%	0%	0%
4.	The course has good balance between theory and application.	43%	36%	20%	0%	0%
5.	The course has made me interested in the subject area.	50%	32%	18%	0%	0%
6.	The course has increased knowledge potential in its application	30%	39%	24%	7%	0%
7.	Book facilities and other amenities like projectors, softwares etc., are available in the department	73%	16%	11%	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.	81%	13%	6%	0%	0%
9.	I have the freedom to adopt new techniques of teaching such as seminar presentations, group discussions, demonstration and student's participations.	54%	28%	18%	0%	0%
10.	Syllabus contain necessary technical skills for the students to face the industry needs	33%	36%	23%	8%	0%
11.	The electives offered are relevant to the specialization streams and to the technological advancements.	30%	41%	21%	8%	0%
12.	The laboratory experiments enhance the students in understanding the concepts and enable them to relate theory to practice (Experiential learning).	43%	31%	18%	8%	0%
13.	Facilities are provided for teaching and to adopt current trends / research.	38%	40%	17%	5%	0%




TEACHERS FEEDBACK ON CURRICULUM

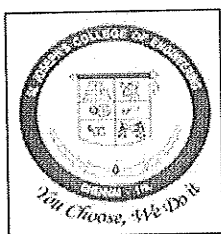
- The examination report of the educators' criticism uncovers that they are exceedingly happy with the structure of the educational modules.
- The proposals given by them identified with explicit subjects were noted for further activity.

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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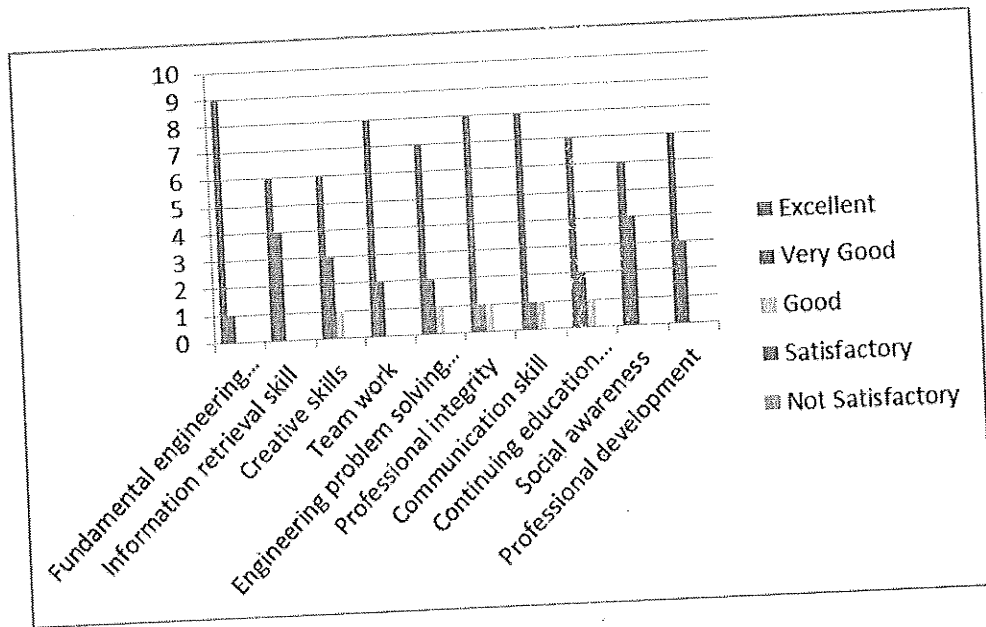


**St. Joseph's College of Engineering
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EXIT SURVEY ANALYSIS

Academic Year :2013-2014

Parameters	Excellent	Very Good	Good	Satisfactory	Not Satisfactory
Fundamental engineering analysis skill	9	1	0	0	0
Information retrieval skill	6	4	0	0	0
Creative skills	6	3	1	0	0
Team work	8	2	0	0	0
Engineering problem solving skills	7	2	1	0	0
Professional integrity	8	1	1	0	0
Communication skill	8	1	1	0	0
Continuing education awareness	7	2	1	0	0
Social awareness	6	4	0	0	0
Professional development	7	3	0	0	0
Total	72	23	5	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.

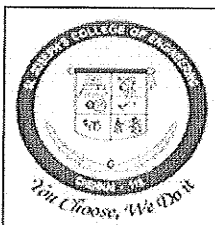
Weakness

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: 2013-2014

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 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. 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. Organised 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 aluminis 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

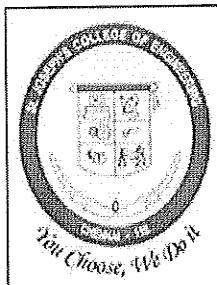
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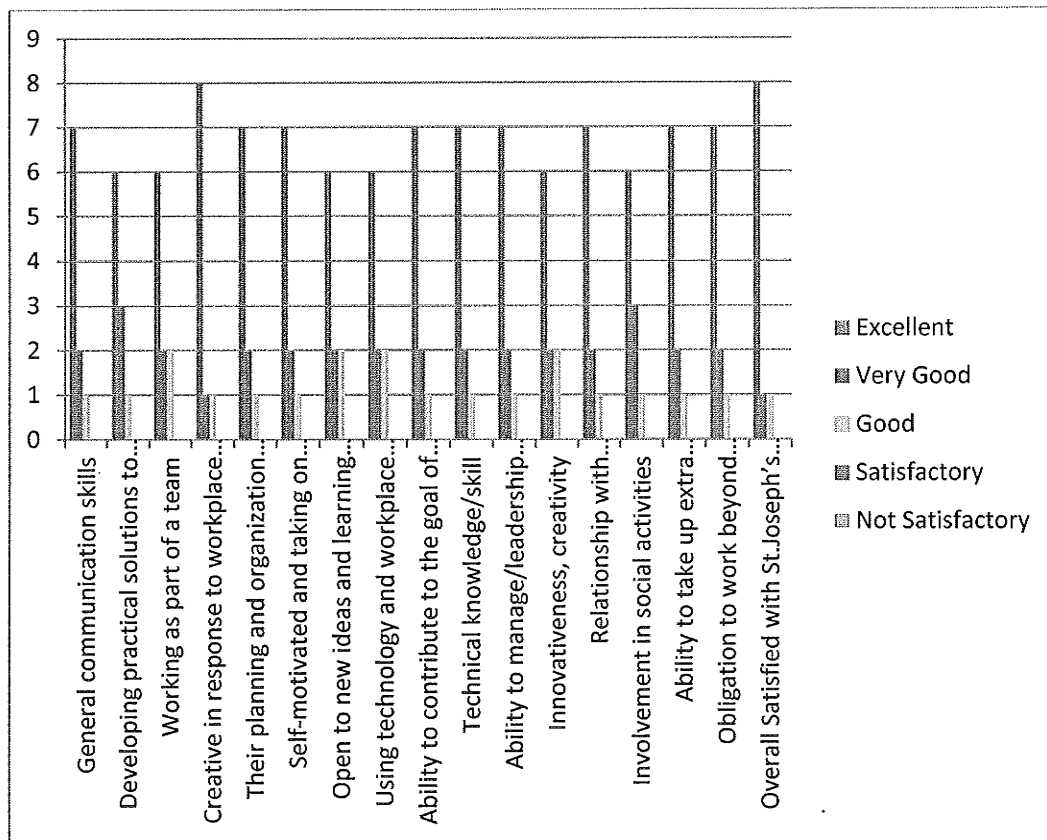


**ST. JOSEPH'S COLLEGE OF ENGINEERING
OMR, CHENNAI
DEPARTMENT OF CHEMICAL ENGINEERING**

EMPLOYER FEEDBACK ANALYSIS

ACADEMIC YEAR: 2013-2014

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	6	2	2	0	0
4.	Creative in response to workplace challenges	8	1	1	0	0
5.	Their planning and organization skills	7	2	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	2	2	0	0
8.	Using technology and workplace equipment	6	2	2	0	0
9.	Ability to contribute to the goal of the organization	7	2	1	0	0
10.	Technical knowledge/skill	7	2	1	0	0
11.	Ability to manage/leadership qualities	7	2	1	0	0
12.	Innovativeness, creativity	6	2	2	0	0
13.	Relationship with seniors/peers/subordinates	7	2	1	0	0
14.	Involvement in social activities	6	3	1	0	0
15.	Ability to take up extra responsibility	7	2	1	0	0
16.	Obligation to work beyond schedule if required	7	2	1	0	0
17.	Overall Satisfied with St. Joseph's students and curriculum	8	1	1	0	0



Feedback

- Students need to be given more training which updates current technologies
- 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
PARENT FEEDBACK

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.

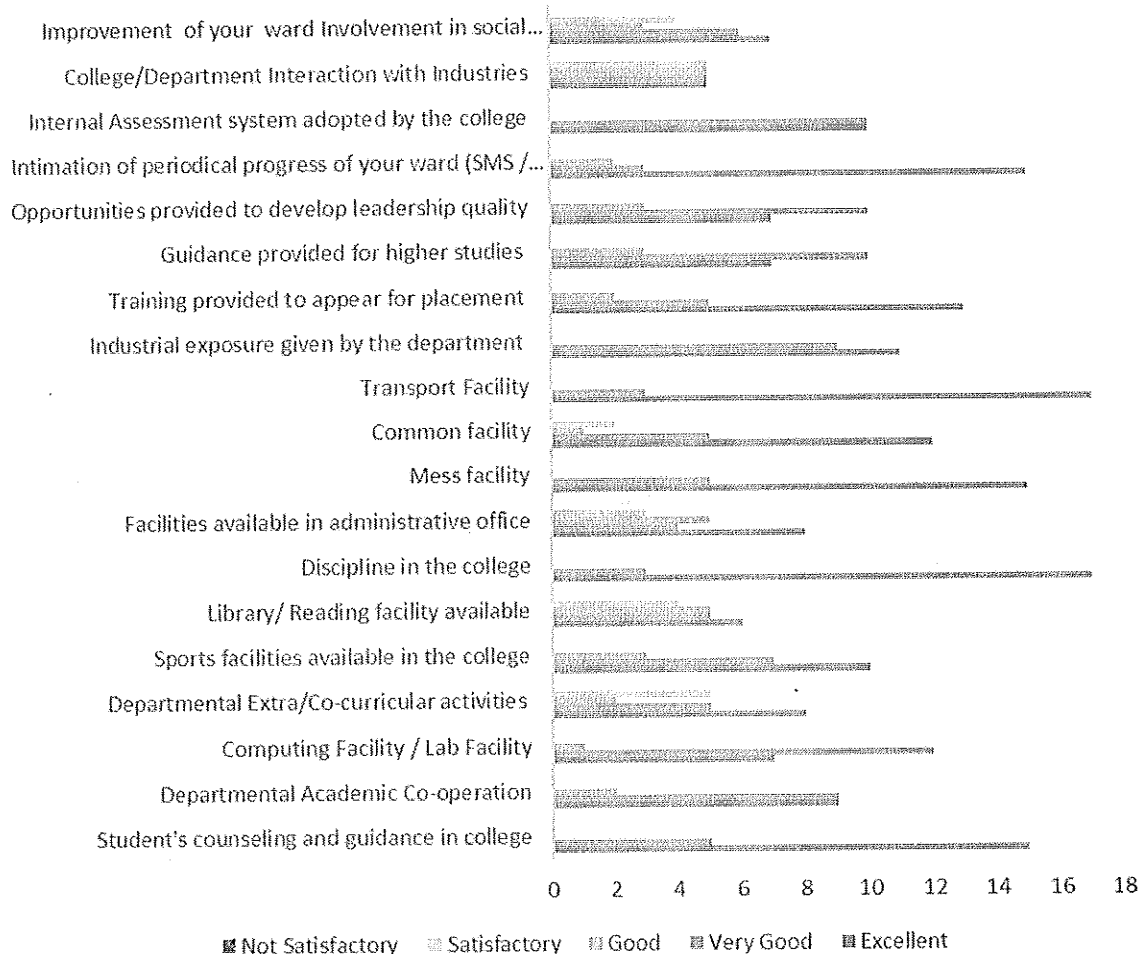
FEEDBACK ANALYSIS OF PARENTS

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

Grade: 5-Excellent, 4-Very Good, 3- Good, 2- Satisfactory, 1- Not satisfactory (Use the following scale for grading)

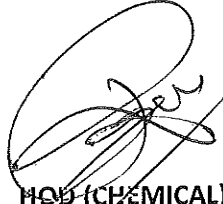
Remark if any: (Please specify any changes required in syllabus or department or College)

2013-14



FEEDBACK

- Students should be given more access to e-journals.
- Department related activities can be increased.
- College interaction with industries can be improved.
- Administrative facilities can be improved.

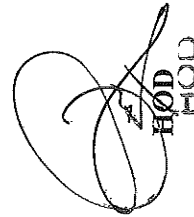

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St. JOSEPH'S COLLEGE OF ENGINEERING, CHENNAI — 119
DEPARTMENT OF CHEMICAL ENGINEERING
ACADEMIC YEAR 2013-2014 (ODD SEMESTER)

CONSOLIDATED REPORT OF STUDENTS FEEDBACK ANALYSIS ON TEACHING FACULTY

II YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
MA2211	Transforms and Partial Differential Equation	Ms.Arivukodi	92
ME2205	Electrical Drives and Controls	Mr.Sri Anand Ganesh	89
CH2201	Organic Chemistry	Ms.J.Sheeba	91
CH2202	Mechanics of Solids	Mr.B.Sasikumar	91
CH2203	Fluid Mechanics	Ms.S.Prathiba	90
GE2211	Environmental Science and Engineering	Dr.N.Venkatesh Ms.B.S.Rathi	90


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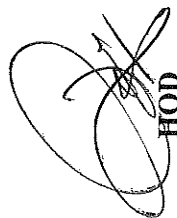


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DEPARTMENT OF CHEMICAL ENGINEERING
ACADEMIC YEAR 2013-2014 (ODD SEMESTER)
CONSOLIDATED REPORT OF STUDENTS FEEDBACK ANALYSIS ON TEACHING FACULTY

III YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
MA 2264	Numerical Methods	Ms.Sasikala	92
CH 2301	Materials Technology	Mr.Eldho Abraham	91
CH2302	Chemical Process Industries II	Dr.M.Palaniyappan, Ms.J.Sheeba Vinolia	91
CH 2303	Chemical Engineering Thermodynamics I	Mr.S.Vinod Kumar	92
CH 2304	Heat transfer	Dr.S.Nachiappan	90
CH 2305	Mass Transfer-1	Dr.R.Baskaran Ms.B.S.Rathi	90


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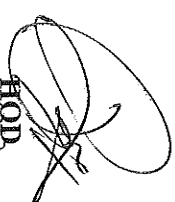
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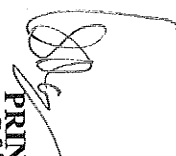

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 DEPARTMENT OF CHEMICAL ENGINEERING
 ACADEMIC YEAR 2013-2014 (ODD SEMESTER)
 CONSOLIDATED REPORT OF STUDENTS FEEDBACK ANALYSIS ON TEACHING FACULTY
 IV YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
CH 2401	Chemical Reaction Engg - II	Mr. B. Sasikumar	91
CH 2402	Transport Phenomena	Ms. D. Durga Devi	89
CH 2403	Biochemical Engineering	Dr. M. Palaniyaapan	89
CH 2404	Process Economics	Dr. N. Venkatesh	91
CH 2405	Chemical Process Plant Safety	Dr. R. Baskaran	93
CH 2021	Food Technology	Dr. S. Nachiappan	92


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DEPARTMENT OF CHEMICAL ENGINEERING
ACADEMIC YEAR 2013-2014 (EVEN SEMESTER)

CONSOLIDATED REPORT OF STUDENTS FEEDBACK ANALYSIS ON TEACHING FACULTY

II YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
MA2263	Probability and Statistics	Mr. Manikanda Prabhu	92
CH2251	Physical Chemistry	Mr. Eldho Abraham	90
CH2252	Instrumental Analysis	Mr. S. Vinod Kumar	89
CH2253	Chemical Process Industries - I	Ms. B. S. Rathi	89
CH2254	Chemical Process Calculations	Dr. N. Venkatesh	91
CH2255	Mechanical Operations	Dr. M. Palaniyappan	92


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ACADEMIC YEAR 2013-2014 (EVEN SEMESTER)
CONSOLIDATED REPORT OF STUDENTS FEEDBACK ANALYSIS ON TEACHING FACULTY

III YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
CH 2351	Chemical Engineering Thermodynamics II	Mrs.S.Prathiba	92
CH 2352	Mass Transfer-II	Dr.R.Baskaran	93
CH 2353	Chemical Reaction Engineering I	Dr.S.Nachiappan	91
CH 2354	Process Instrumentation & Control	Mrs.B.S.Rathi	91
CH 2355	Process Plant Utilities	Mr.Eldho Abraham	92
CH 2356	Energy Engineering	Ms.D.Durga Devi	92


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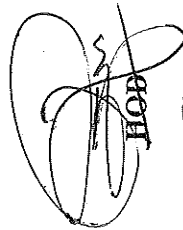
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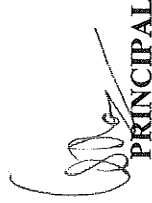
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IV YEAR

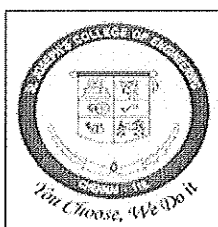
SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
GE 2022	Total Quality Management	Dr.S.Nachiappan [A] Mr.S.Vinod Kumar[B]	92.5
CH 2041	Petroleum Technology	Mrs.S.P.Prathiba	91
CH 2032	Fertilizer Technology	Ms.D.Durga Devi	91


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Department of Chemical Engineering

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

ACADEMIC YEAR: 2013-2014

S.NO	STAKE HOLDERS FEEDBACK	ACTION TAKEN
1.	Computer facility is needed with internet connections	Reported to Principal and necessary actions are taken through network administrator
2.	Number of copies in book bank has to be increased	Information is reported to librarian through Principal and more number of books were purchased

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