

You Choose, We Do It St. JOSEPH'S COLLEGE OF ENGINEERING



(An Autonomous Institution) St. Joseph's Group of Institutions Jeppiaar Educational Trust OMR, Chennal - 119.

EXIT SURVEY ANALYSIS

ACADEMIC YEAR:2021-22

Parameters	Excellent	Very Good	Good	Satisfactory	Not Satisfactory
Fundamental engineering analysis skill	9	1	0	0	0
Information retrieval skill	9	1	0	0	0
Creative skills	8	2	0	0	
Teamwork	9	1	0	0	0
Engincering problem solving skills	9	1	0	0	0
Professional integrity	8	2	0	0	
Communication skill	9	1	0	To the same of	0
Continuing education awareness	9	1	0	0	0
Social awareness	8	2	0	0	
Professional development	8	2	0		0
Total	86	14	To the contract of	0	0

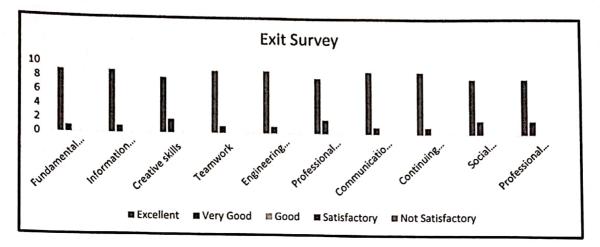
CHEM DEPARTMENT ST. JOSEPH'S COLLEGE OF ENGINEER CHENNAI-118



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Strength

- 1. Efficient Staffs
- 2. Well Scheduled Placement Training Programs.
- 3. Guest Lectures increases the comprehensive knowledge about industries
- 4. Value added courses enhances 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.

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ALUMNI SURVEY

Academic Year: 2021-22

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 86% of alumni said that overall quality of college education is excellent, 14 % student rate as very good. Approximately, 80% of alumni rated that overall quality of programme at this college is excellent, 20 % of alumni rated as very 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 must be included in the curriculum.

Feedback analysis report

It is evident from the feedback analysis report that almost all the alumni 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, CHENNAL-600 119 Department of Chemical Engineering

Vision of Department

To provide a 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

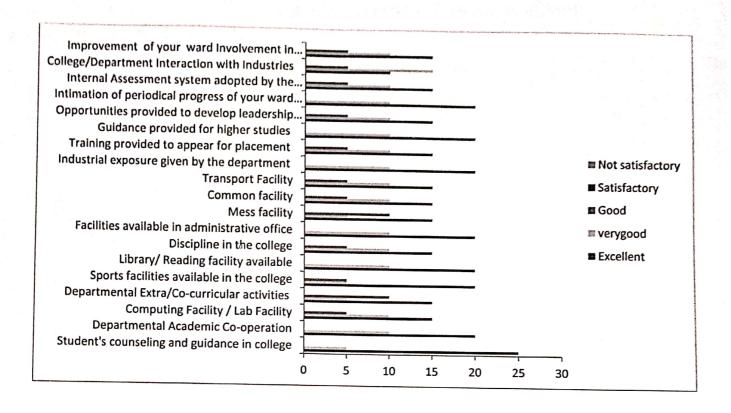
S.No.	Particulars	Grading			ng	
		5	4	3	2	1
1.	Student's counseling and guidance in college	25	5	0	0	0
2.	Departmental Academic Co-operation	20	10	0	0	0
3.	Computing Facility / Lab Facility	15	10	5	0	0
4.	Departmental Extra/Co-curricular activities	15	5	10	0	0
5.	Sports facilities available in the college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

(Use the following scale for grading)

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

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FEED BACK:

- Student should be given more access to e-Journals.
- Department related activities can be increased.
- College interaction with industries can be improved.
- Administration facilities can be improved.

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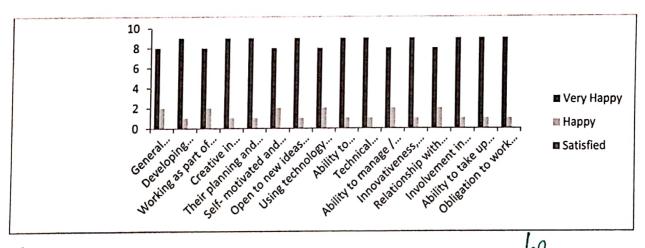
DEPARTMENT OF CHEMICAL ENGINEERING

EMPLOYER FEED BACK ANALYSIS REPORT

ACADEMIC YEAR: 2021-2022

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

EMPLOYER FEED BACK ANALYSIS



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DEPARTMENT OF CHEMICAL ENGINEERING

EMPLOYER FEED BACK ANALYSIS REPORT

FEED BACK:

- The students should be encouraged to learn new trends and apply the same in their project ventures.
- Students should be able to extend and transcend by adapting to newer technologies.

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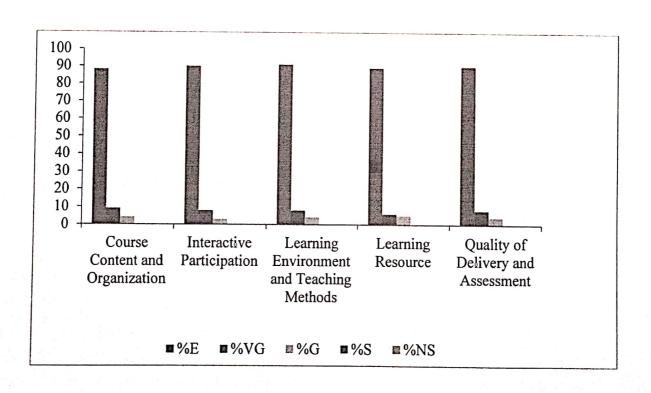


COURSE EVALUATION – FEEDBACK BY STUDENT

SAMPLE REPORT

ACADEMIC YEAR 2021-2022

CORE QUESTIONS	%E	%VG	%G	%S	%NS
Course Content and Organization	88	9	4	0	0
Interactive Participation	90	8	3	0	0
Learning Environment and Teaching Methods	91	8	4	0	0
Learning Resource	89	6	5	0	0
Quality of Delivery and Assessment	90	8	4	0	0



Students Feedback

The college has obtained feedback on curricultum 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 162 students gave their feedback on curriculum for the academic year 2021-2022. 88% of the student 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 91% of the students agreed that they are equipped with necessary teaching methods required for their programme. It is observed that 89% 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 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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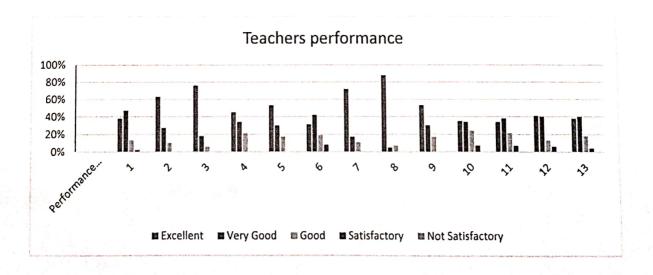
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Form-II St. JOSEPH'S COLLEGE OF ENGINEERING

Department of Chemical Engineering TEACHER'S FEEDBACK ON CURRICULUM - ANALYSIS

Academic Year: 2021-22

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Grade:	5-Excellent, 4-Very Good, 3- Good, 2- Satisfactory, 1-	Not satisfacto	ry			
S. No	Details	5	4	3	2	1
1.	Curriculum is based on the needs of the stake holders	38%	47%	13%	2%	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 library	76%	18%	6%	0%	0%
4.	The course has good balance between theory and application.	45%	34%	21%	0%	0%
5.	The course has made me interested in the subject area.	53%	30%	17%	0%	0%
6.	The course has increased knowledge potential in its application	31%	42%	19%	8%	0%
7.	Book facilities and other amenities like projectors, softwares etc., are available in the department	72%	17%	11%	0%	0%
8.	Tests and Examinations are conducted at appropriate ti with proper coverage of planned units according to the college working schedule / academic schedule of anna university.	889	5%	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.	53%	30%	17%	0%	0%
10.	Syllabus contain necessary technical skills for the stud to face the industry needs	ents 35%	34%	24%	7%	0%
11.	The electives offered are relevant to the specialization streams and to the technological advancements.	34%	38%	21%	7%	0%
12.	understanding the concepts and enable them to relate theory to practice (Experiential learning).	41%	40%	13%	6%	0%
13.	Facilities are provided for teaching and to adopt currer trends / research.	at 38%	40%	18%	4%	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 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 organized 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.

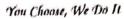
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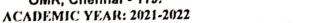
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Feedback Analysis of Stakeholders on curriculum and Actions Taken Report					
S.No	Stakeholder	Feedback	Actions Taken		
1.	A CHARLES OF STREET OF THE STREET OF THE STREET, STREE	Practical based approach is needed in some disciplines	Our staff members use a practical-based approach for some of the disciplines by holding specific workshops.		
		More alumni interaction can be arranged	The alumni webinar series are organized to increase the interactions of students with alumni		
	1.	Students with backlogs can be specially trained to clear their arrears	Remedial classes are conducted for students with backlogs where special coaching and individual attention is provided to each student to clear their arrear.		
		Projects and mini projects can be given more weightage	For third-year students, the notion of project exhibition is introduced, with preference given to students who performed well in symposiums and other events outside of the college.		
2.	Teacher	Inplant training and mini projects must be encouraged.	Students advised to take up inplant and internship programs during vacations. Students are also encouraged to do mini projects from second year.		
3.	Alumni	The time allotted for practical sessions can be increased Co-curricular and extracurricular activities for students	Practical hours are enhanced for students in order to make better use of lab time. Students are encouraged and guided to participate in national and international conferences and symposium. Moreover student chapter activities are conducted every		
		can be increased	semester.		
4.	Employers	Students must be trained in the blooming new disciplines of chemical engineering.	Value added classes are arranged for the students other than the regular classes to improve their understanding in the blooming new disciplines like aspen.		
*		Students need to be trained properly to attend placement interview to get the campus placement. Core placement training should also be focused on.	The placement training program from the first year till final year is planned for the students. Special training is also planned to enhance the core placement.		
5.	Parents	Parents are not willing to come to the campus for paying the arrear fees.	Students are allowed to pay the arrear fee without their parents		

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

ACADEMIC YEAR: 2021-2022

S.NO	STAKE HOLDERS FEEDBACK	ACTION TAKEN
)sä		,
1.	Industry oriented training can be enhanced	The electives for the students are chosen accordingly and value added classes are conducted to enhance the industrial oriented training.
2.	Internship must be encouraged	Students are encourage and guided to undergo internship program in their vacations. It has been made mandatory for third year students to take internship and it has been given single credit paper status in their curriculum.
3.	Number of e-Journals can be increased	Information is reported to Liberian through principal and more number of e-Journals purchased
4.	Practical knowledge can be enhanced	Special workshops are arranged to enhance the practical knowledge of students. Moreover students are encouraged to expose their practical knowledge by conducting project exhibitions.

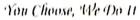
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DEPARTMENT OF CHEMICAL ENGINEERING

ACADEMIC YEAR 2021-22(ODD SEMESTER)

CONSOLIDATED REPORT OF STUDENT FEEDBACK ANALYSIS ON TEACHING FACULTY

II YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
CH8351	Process Calculation	Dr.N.Venkatesh	94.50
MA8391	Probability And Satistics	Mr.S.M.Balaji	95.00
CH8301	Fluid Mechanics For Chemical Engineer Science	Mr.Karthikeyan	96.38
EE8352	Principles Of Electricals	Ms.Sumitha	91,03
CH8302	Solid Mechanics For Technologists	Mr.S.Vinod Kumar	97.30
CY8291	Organic Chemistry	Dr. Subash	92.50

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DEPARTMENT OF CHEMICAL ENGINEERING

ACADEMIC YEAR 2021-22(ODD SEMESTER)

CONSOLIDATED REPORT OF STUDENT FEEDBACK ANALYSIS ON TEACHING FACULTY

III YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
CH8501	Chemical Process Industries	Dr.N.Venkatesh / Mr.S.Vinod Kumar	95.13
CH8551	Mass Transfer	Mr.C.Karthikeyan	96.45
CH8591	Heat Transfer	Ms.Lavanya	81.64
CH8502	Chemical Reaction Engineering-I	Ms.B.S.Rathi	79.78
CH8002	Food Technology	Ms.S.Geerthika	97.83
OCE551	Air Pollution & Control	Mr.Anand	88.81

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DEPARTMENT OF CHEMICAL ENGINEERING

ACADEMIC YEAR 2021-22(ODD SEMESTER)

CONSOLIDATED REPORT OF STUDENT FEEDBACK ANALYSIS ON TEACHING FACULTY

IV YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
CH8501	Industrial Safety	Dr R Baskaran	97.27
CH8551	Transport Phenomena	Ms.B.S.Rathi	97.41
CH8591	Process Plant Utility	Ms.Lavanya	91.50
CH8502	Process Design Equipment	Mr P Anand Kumar	89.07
CH8002	Modern Separation Techniqes	Ms.S.Geerthika	98.07

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DEPARTMENT OF CHEMICAL ENGINEERING

ACADEMIC YEAR 2021-22(EVEN SEMESTER)

CONSOLIDATED REPORT OF STUDENT FEEDBACK ANALYSIS ON TEACHING FACULTY

II YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
MA8491	Numerical Methods	Mr.Manikanda Prabhu Dr.Meena Devi	98.54
GE8291	Environmental Science and Engineering	Ms.Nivethidha Devi	88.06
CH8491	Instrumental Methods of Analysis	Dr.Sivagurunathan	89.57
CH8401	Chemical Engineering Thermodynamics I	Dr.S.Vinod Kumar	78.25
CH8402	Physical Chemistry	Dr N Rajagopalan	92.83
CH8451	Mechanical Operations	Mrs R Lavanya	97.44

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ACADEMIC YEAR 2021-22(EVEN SEMESTER)

CONSOLIDATED REPORT OF STUDENT FEEDBACK ANALYSIS ON TEACHING FACULTY

III YEAR

SUB CODE	BUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
C118601	Chemical Reaction Engineering II	Ms.Lavanya	93.91
C118651	Mass Transfer II	Dr Baskaran R	90,83
C118602	Chemical Engineering Thermodynamics II	Mr Anand Kumar P	95.63
CH8652	Process Engineering Economics	Dr Venkatesh N	96.25
CH8653	Process Instrumentation, Dynamics and Control	Dr Nuresh M	95.70
OE8076	Professional Ethics in Engineering	Mrs Gnanasoundharam	98.17

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ACADEMIC YEAR 2021-22(EVEN SEMESTER)

CONSOLIDATED REPORT OF STUDENT FEEDBACK ANALYSIS ON TEACHING FACULTY

IV YEAR

SUB CODE	SUBJECT	NAME OF THE STAFF	FEEDBACK PERCENTAGE
CH8009	Fermentation Engineering	Dr.S.Vinod Kumar (A) Dr.B.SenthilRathi (B)	94.31
CH8010	Petroleum Technology	Mr.Anand Kumar	90.24

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