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**St. JOSEPH'S COLLEGE OF ENGINEERING**  
(An Autonomous Institution)

**St. Joseph's Group of Institutions**

OMR, Chennai - 119



**DEPARTMENT OF CHEMICAL ENGINEERING**

**YEAR – 2023-2024**

**FEED BACK ANALYSIS OF STAKEHOLDERS AND  
ACTION TAKEN REPORT**



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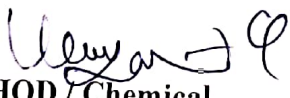


**Department of Chemical Engineering**  
**Academic Year 2023 -24**

**Feedback Analysis of Stakeholders on curriculum and Actions Taken**  
**Report**

S.NO	Stakeholder	Feedback	Actions Taken
1.	Student	<p>153 students have given their feedback on curriculum for the academic year 2023-24</p> <p>Syllabus should include practical based approach.</p> <p>More weightage must be given to projects.</p>	<p>From the student's feedback it is observed that they are satisfied with the curriculum framed.</p> <p>The practical based approach is implemented for some of the subjects by our staff members through special workshops.</p> <p>The concept of project exhibition is introduced for the third year students and preference given to the students, who performed well for participating in symposiums and other events outside the college.</p>
2.	Teacher	<p>Internship and Inplant trainings must be encouraged.</p> <p>Hands on training for different simulation software's must be included.</p>	<p>Students advised to take up internship programs during vacations.</p> <p>Programs are planned related to the topics discussed for the enhancement.</p> <p>Different programs are conducted for the students in MATLAB, Python, PLC and embedded systems.</p>

3.	Alumni	<p>From the feedback received from the alumni it is evident that all of them are proud and happy about the institution and willing to refer their family and friends to enroll to this institution.</p> <p>Industry oriented knowledge and learning scheme should be imparted and emphasized.</p> <p>More time can be given for the students during practical sessions.</p>	<p>Appreciated the response and affection shown by the alumni and request them to continue the support further.</p> <p>The industry oriented knowledge is improved by the students through internship programs. Various types of interactions are arranged for the students with the companies through our MOUs.</p> <p>Practical hours are increased for the students for the effective utilization of the lab hours.</p>
4.	Employers	<p>Students must get better fundamental knowledge to improve their analytical skills.</p> <p>Updates on current technologies</p> <p>Students need to be trained properly to attend placement interview to get the campus placement.</p> <p>Students should have basic etiquette.</p>	<p>Special classes are arranged for the students other than the regular classes to improve their understanding in the subjects.</p> <p>Students are advised to do certified courses in the emerging areas.</p> <p>The placement training program from the first year is planned for the students.</p> <p>More mentors are placed to address this issue among the students.</p>
5.	Parents	<p>Parents are willing to come for their children convocation function.</p> <p>Need more training in Personality development and communication skills.</p> <p>Need more leaves for the hostel students during the festival leaves.</p>	<p>Parents are allowed to attend their children's convocation function</p> <p>The students weak in communication skills are identified and special programs are conducted for them.</p> <p>Considered based on the academic schedule.</p>

  
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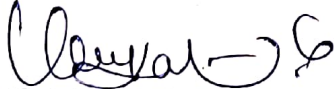


**DEPARTMENT OF CHEMICAL ENGINEERING**

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

**ACADEMIC YEAR: 2023-24**

S.NO	STAKE HOLDERS FEEDBACK	ACTION TAKEN
1.	Good strategy adopted by teachers for completion of syllabus, should be continued further.	The strategy will be continued.
2.	Students have to be aware of recent trends and opportunities available for them.	Guest Lectures, Alumni interactions and technical webinars are conducted through eminent and experienced professionals.
3.	Students should attend various international and national events conducted by various other institutions.	Students are encouraged and motivated to participate in various national and international events so that they develop their core knowledge and improvise them in their projects.
4.	Students should have the knowledge on software's available for design and simulation.	Workshops on ASPEN and SCADA has been initiated by the institution to the students for their overall development. Plan to conduct new technology workshops in future.

  
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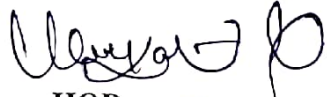
**Department of Chemical Engineering**

**Academic Year 2023-24 (ODD)**

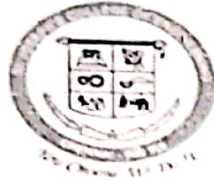
**CONSOLIDATED REPORT OF STUDENT FEEDBACK ANALYSIS ON TEACHING FACILITY**

**II YEAR**

Sub Code	Subject	Name of The Staff	Feedback Percentage
MA1353	Applied Numerical Methods	Dr. Venkat Narayan	90.28
CH1301	Process Calculations	Dr.N. Venkatesh	84.95
CH1302	Fluid Mechanics for Chemical Engineers	Ms. Lavanya	93.89
CH1303	Solid Mechanics for Technologist	Dr. S. Vinod Kumar	94.34
EE1353	Principles for Electrical and Electronics Engineering	Mr. Sivakumar	85.90

  
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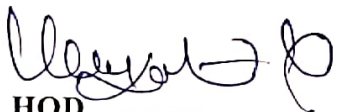
**Department of Chemical Engineering**

**Academic Year 2023-24 (ODD)**

**CONSOLIDATED REPORT OF STUDENT FEEDBACK ANALYSIS ON TEACHING FACILITY**

**III YEAR**

Sub Code	Subject	Name of The Staff	Feedback Percentage
CH1501	Chemical Reaction Engineering I	Dr. B.S. Rathi	99.51
CH1502	Heat Transfer	Dr. P. V. Renuka	87.57
CH1503	Mass Transfer I	Dr. N. Magesh	82.28
OCS101	Introduction to C Programming	Ms Jayapriya	85.28
CH1512	Fundamentals of Thermodynamics	Dr. S. Vinod Kumar Mr. P. Anand Kumar	85.72

  
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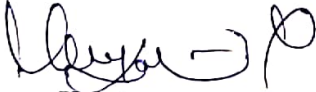
**Department of Chemical Engineering**

**Academic Year 2023-24 (ODD)**

**CONSOLIDATED REPORT OF STUDENT FEEDBACK ANALYSIS ON TEACHING FACILITY**

**IV YEAR**

Sub Code	Subject	Name of The Staff	Feedback Percentage
OME754	Industrial Safety	Dr. N. Magesh	90.88
CH8791	Transport Phenomena	Dr. S. Sujatha	94.16
CH8078	Process Plant Utility	Dr. N. Venkatesh	96.61
CH8701	Process Design Equipment	Mr. P. Anand Kumar	92.83
CH8093	Modern Separation Techniques	Dr. P. V. Renuka	96.23

  
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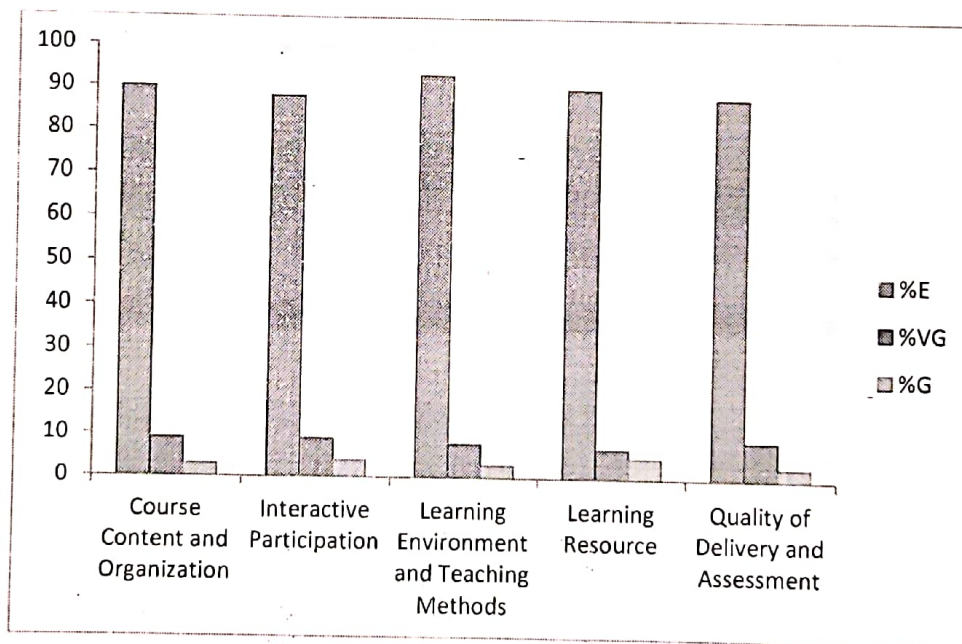


### COURSE EVALUATION- FEEDBACK BY STUDENT

#### SAMPLE REPORT

ACADEMIC YEAR 2023-24

CORE QUESTIONS	%E	%VG	%G	%S	%NS
Course Content and Organization	90	9	3	0	0
Interactive Participation	88	9	4	0	0
Learning Environment and Teaching Methods	93	8	3	0	0
Learning Resource	90	7	5	0	0
Quality of Delivery and Assessment	88	9	3	0	0







### **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 148 students gave their feedback on curriculum for the academic year 2023-2024. 82% of the students' population acknowledged that the allocation of course content is relevant in relation to the level of course content is very much relevant to the programme. Majority of the students strongly agreed that the synergy by teachers with students is more feasible and reliable. Around 85% of the students agreed that they are equipped with significant teaching methods required for their programme. It is observed that 87% of the students agreed that the groundwork for learning resource in library was acceptable and appropriate with their respective field of specialization areas. The feedback revealed that 85% of them are strongly agreed about the quality of delivery and the internal assessment for the stated 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.



**Form-II**  
**ST. JOSEPH'S COLLEGE OF ENGINEERING**  
 Department of Chemical Engineering  
**TEACHER'S FEEDBACK ON CURRICULUM - ANALYSIS**  
 Academic Year: 2023-24

**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	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 the 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 time with proper coverage of planned units according to the college working schedule / academic schedule of anna university.	88%	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 students to face the industry needs	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.	The laboratory experiments enhance the students in 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 current trends / research.	38%	40%	18%	4%	0%

### Teachers performance



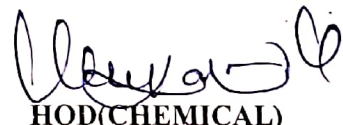
## TEACHERS FEEDBACK ON CURRICULUM

- 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 continually evaluates its curriculum. The successful development of the curriculum is ensured by the functioning of the many committees within the College, which raises the standards for quality maintenance and improvement. The curriculum is supplemented by student conferences, symposiums, mini-projects, and special college clubs. The College has established a habit of holding faculty meetings once at the start of each semester to discuss ways to enhance the curriculum, academic disciplines, teaching-learning process, and research and extension initiatives. The subjects are then discussed and explored after individual faculty members express their sincere views on the research, curriculum, and extension initiatives. The concepts required for implementation are presented to the relevant councils. Faculty members are represented in the Academic Council, Department Advisory Committee, and Board of Studies, where staff members have many chances to offer input on the curriculum and the teaching and learning process. Based on the feedback obtained, a variety of value-added courses, guest lectures, student workshops, and industry visits are planned to close the curriculum gap.

### Feedback analysis report:

- A versatile, choice-based credit structure that enables students to enroll in professional, soft core, and open electives offered by many departments.
- The analysis of the instructors' feedback indicates that they are extremely satisfied with the way the curriculum is organized.
- Proposals to incorporate design experiments into a variety of laboratory courses to encourage students' imagination and ingenuity.
- Programmes in environmental engineering, professional ethics, employability skills, and communication are offered.
- The suggestions given by them related to specific subjects were noted for further action.
- Training programs should be offered to enhance students' managerial and instructional abilities.



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## ALUMNI SURVEY

**Academic Year: 2023-24**

The alumni feedback emerged in response to demands from academicians and professionals, i.e., with the goal of bridging college life and career life and empowering recent graduates to take charge of their professional futures. The university thinks that alumni involvement is crucial, especially when it comes to creating curriculum-related events. A properly furnished and stocked library, essential computer facilities, and adequately stocked labs are the infrastructural priorities since they have a direct impact on the quality of education. Only if there were qualified educators who could effectively communicate could there be decent education. Approximately 87% of graduates believe that the quality of a college education is great overall, whereas 13% of students agree. About 80% of alumni thought the college's programmes were of excellent overall quality, and 20% thought they were very good. Below is a summary of the department's overall strengths and weaknesses according to its alumni.

### 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.



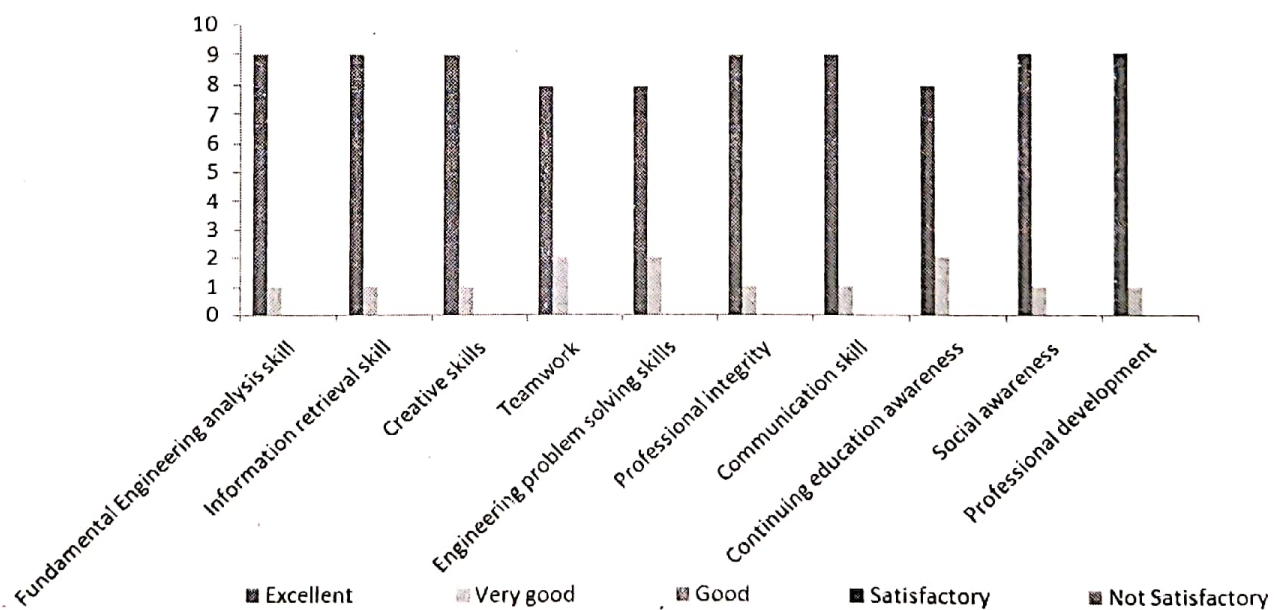


**Batch: 2020-2024**

**EXIT SURVEY ANALYSIS**

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	9	1	0	0	0
Teamwork	8	2	0	0	0
Engineering problem solving skills	8	2	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	9	1	0	0	0
Professional development	9	1	0	0	0
<b>Total</b>	<b>87</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>

**EXIT SURVEY**





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## **Analysis Report of Exit Survey Batch: 2020-2024**

### **Strength**

1. Highly competent Staff
2. Well Organized and Scheduled Placement Training Programs.
3. Enhance guest lectures to offer in-depth insights into a wide range of industries.
4. Value-added courses are organized to enhance the skills and knowledge, supporting professional development.
5. ABHS provides guidance for higher studies and offers information about various international universities.

### **Weakness**

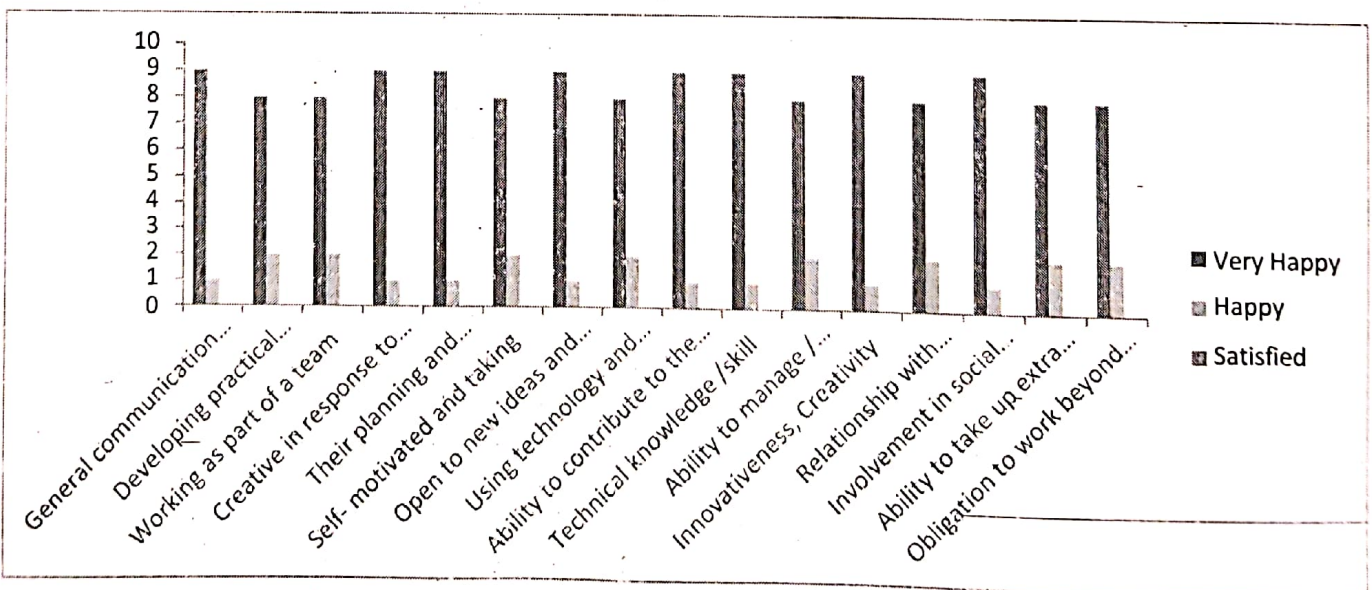
1. Implementing interactive learning is essential.
2. Increased industry interaction is needed.



**DEPARTMENT OF CHEMICAL ENGINEERING**  
**ACADEMIC YEAR: 2023-2024**  
**EMPLOYER FEED BACK ANALYSIS**

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	9	1	0	0	0
2.	Developing practical solutions to work place problems	8	2	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	8	2	0	0	0
16.	Obligation to work beyond schedule if required	8	2	0	0	0

**EMPLOYER FEED BACK ANALYSIS**





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## DEPARTMENT OF CHEMICAL ENGINEERING

### 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.





**Vision of Department**

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

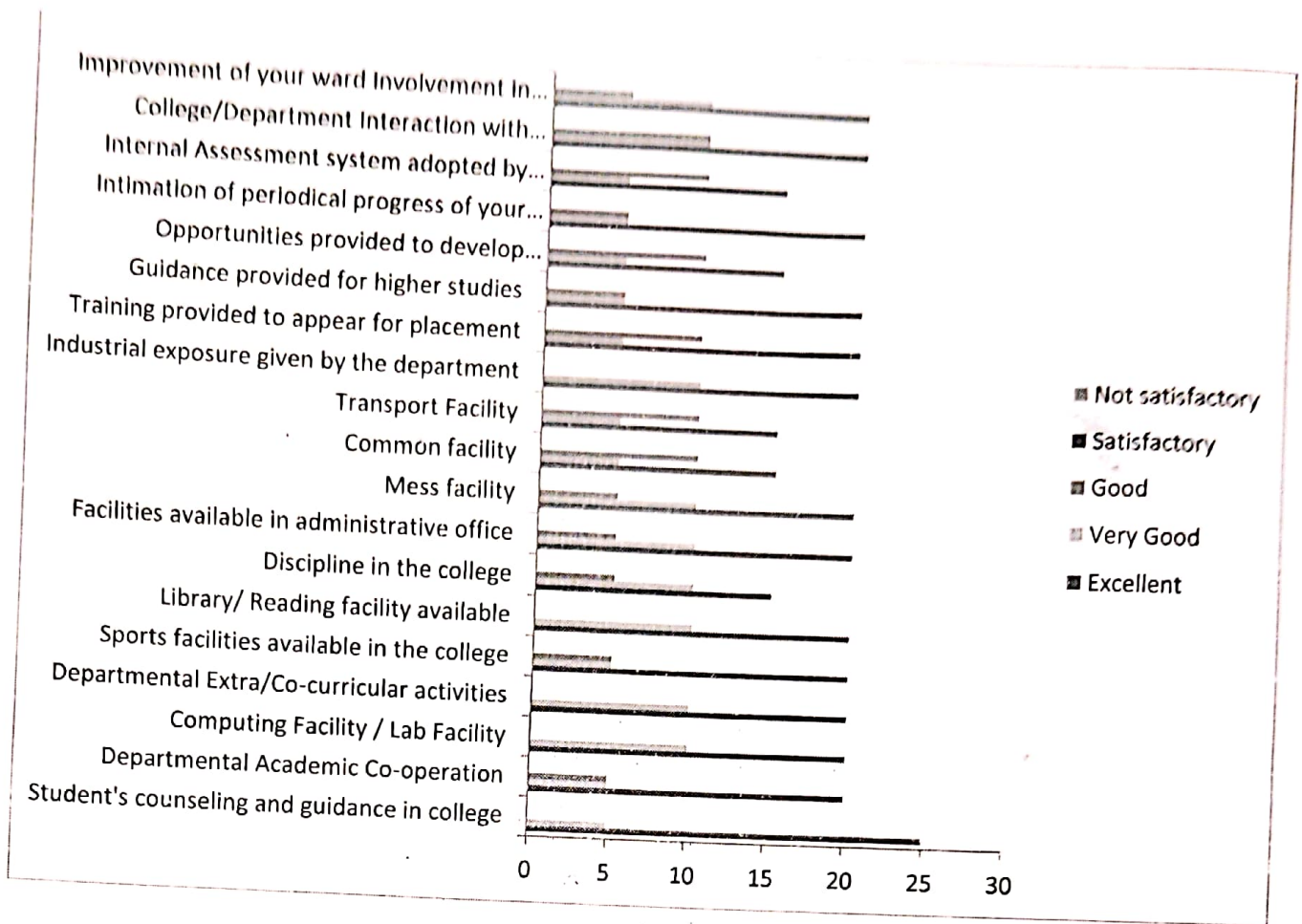
**Mission of Department**

- To establish academic integrity so as to inculcate the professional skills to compete in global environment.
- To enrich the Chemical Engineering Knowledge through research & innovation.
- To have the skill 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	25	5	0	0	0
2.	Departmental Academic Co-operation	20	5	5	0	0
3.	Computing Facility / Lab Facility	20	10	0	0	0
4.	Departmental Extra/Co-curricular activities	20	10	0	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	5	0	0
9.	Mess facility	20	10	5	0	0
10.	Common facility	15	5	10	0	0
11.	Transport Facility	15	5	10	0	0
12.	Industrial exposure given by the department	20	10	0	0	0
13.	Training provided to appear for placement	20	5	10	0	0
14.	Guidance provided for higher studies	20	5	5	0	0
15.	Opportunities provided to develop leadership quality	15	5	10	0	0
16.	Intimation of periodical progress of your ward (SMS / Portal)	20	5	5	0	0
17.	Internal Assessment system adopted by the college	15	5	10	0	0
18.	College/Department Interaction with Industries	20	10	10	0	0
19.	Improvement of your ward Involvement in social activities	20	10	5	0	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)



**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.