



St. JOSEPH'S COLLEGE OF ENGINEERING
Old Mamallapuram Road, Chennai-600119
Department of Instrumentation and Control Engineering

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

Academic Year: 2013-14

| S.No | Feedback | Action taken |
|------|--|---|
| 1. | Placement orientation program from 2 rd year onwards | Suggestion forwarded to placement cell to take necessary action. |
| 2. | Higher studies coaching classes for hostel students in college campus. | ABHS collected the interested students list and conducted awareness workshop to students |
| 3. | Organise more number of workshops for students and faculty. | Management had taken steps to conduct FDP, Workshop for our faculty members and other engineering college students. |

Dr. C. SELVAKUMAR, M.E., Ph.D.,
Professor & Head

Department of Instrumentation And Control Engin-
St. Joseph's College of Engineering,
Chennai - 600 119.

Principal
PRINCIPAL

ST. JOSEPH'S COLLEGE OF ENGINEERING
[A CHRISTIAN MINORITY INSTITUTION]
JEPPIAAR EDUCATIONAL TRUST,
OLD MAMALLAPURAM ROAD,
CHENNAI - 600 119.



Form-I

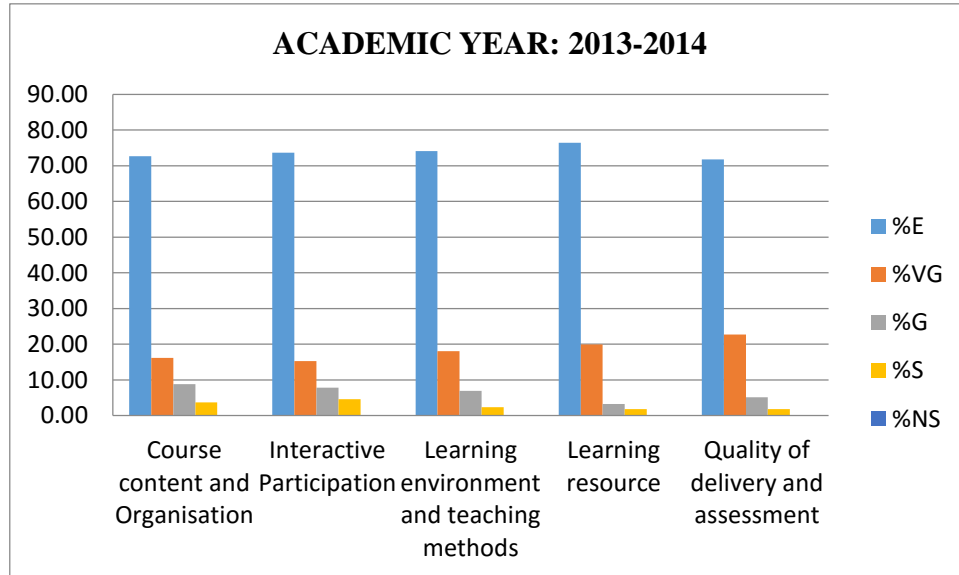
St. JOSEPH'S COLLEGE OF ENGINEERING
OMR, CHENNAI -600 119
Department of Instrumentation and Control Engineering
COURSE EVALUATION –FEEDBACK BY STUDENT

COURSE EVALUATION –FEEDBACK BY STUDENT

REPORT

ACADEMIC YEAR: 2013-2014

| CORE QUESTIONS | %E | %VG | %G | %S | %NS |
|---|-------|-------|------|------|------|
| Course content and Organisation | 72.69 | 16.20 | 8.80 | 3.70 | 0.00 |
| Interactive Participation | 73.61 | 15.28 | 7.87 | 4.63 | 0.00 |
| Learning environment and teaching methods | 74.07 | 18.06 | 6.94 | 2.31 | 0.00 |
| Learning resource | 76.39 | 19.91 | 3.24 | 1.85 | 0.00 |
| Quality of delivery and assessment | 71.76 | 22.69 | 5.09 | 1.85 | 0.00 |



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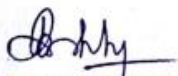
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Students' Feedback

- ✓ Set of questionnaire were prepared as per vision and mission of the institution and department.
- ✓ It has questions related to Course content & Organization, Interactive participation, Learning environment & teaching methods, Learning resource and Quality of delivery and assessment.
- ✓ Totally 52 students gave their feedback on curriculum for the academic year 2013-2014.
- ✓ 84% of the students agreed that the allocation of course content is appropriate.
- ✓ Majority of the students strongly agreed that the interaction by teachers with students are more feasible and reliable. Around 82% of the students agreed that they are equipped with necessary teaching methods required for their programme.
- ✓ It is observed that 79% of the students agreed that the provision for learning resource in library was adequate and appropriate.
- ✓ The feedback revealed that 85% of them strongly agreed about the quality of delivery and the internal assessment for the specified programme.

Feedback analysis report

- ✓ From the analysis of the students' feedback it is revealed that they are satisfied with the curriculum and they are stimulated by the ideas and concepts.
- ✓ It is reported by the students that method of internal assessment were reasonable.



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St. JOSEPH'S COLLEGE OF ENGINEERING
OMR, CHENNAI -600 119
Department of Instrumentation and Control Engineering
TEACHER'S FEEDBACK ON CURRICULUM
Academic Year: 2013-14

Vision of Department

To become a center for excellence in the field of instrumentation and control engineering to enriching the students with quality education, contemporary technologies to meet the global needs.

Mission of Department

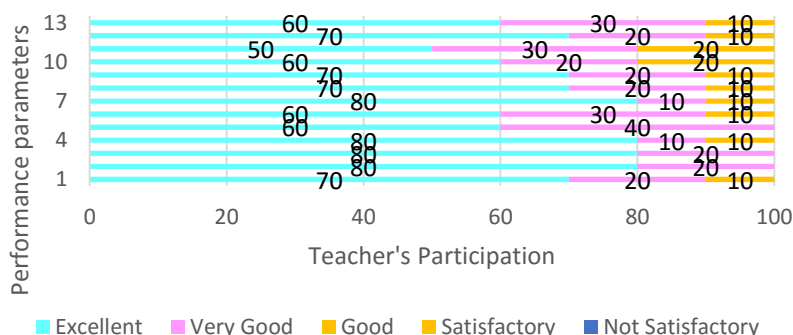
- To nurture the students with strong foundations to enable them emerge into competent instrumentation and Control Engineers.
- To enhance the core competency of the students to cater to the needs of the industries and research organizations.
- To Encourage Budding Engineers to keep in updating current technological trends through continuing educational programs.

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 | 70% | 20% | 10% | | |
| 2. | Course objectives and Outcomes of the course are well defined and clear to faculty and students | 80% | 20% | | | |
| 3. | Sufficient number of prescribed books are available in the library | 80% | 20% | | | |
| 4. | The course has good balance between theory and application. | 80% | 10% | 10% | | |
| 5. | The course has made me interested in the subject area. | 60% | 40% | | | |
| 6. | The course has increased knowledge potential in its application | 60% | 30% | 10% | | |
| 7. | Book facilities and other amenities like projectors, softwares etc., are available in the department | 80% | 10% | 10% | | |
| 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. | 80% | 10% | 10% | | |
| 9. | I have the freedom to adopt new techniques of teaching such as seminar presentations, group discussions, demonstration and student's participations. | 70% | 20% | 10% | | |
| 10. | Syllabus contain necessary technical skills for the students to face the industry needs | 60% | 20% | 20% | | |
| 11. | The electives offered are relevant to the specialization streams and to the technological advancements. | 50% | 30% | 20% | | |
| 12. | The laboratory experiments enhance the students in understanding the concepts and enable them to relate theory to practice (Experiential learning). | 70% | 20% | 10% | | |
| 13. | Facilities are provided for teaching and to adopt current trends / research. | 60% | 30% | 10% | | |

TEACHER'S FEEDBACK ON CURRICULUM

AY: 2013-14

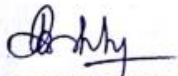


TEACHER'S FEEDBACK ON CURRICULUM

Academic Year: 2013-14

As per the suggestions given by teachers, the Institution would like to include the following Curriculum Aspects which enrich the curriculum:

- ✓ Courses on communication skills and employability skills.
- ✓ Design experiments included in laboratory to motivate the students do innovative ideas.
- ✓ Value added courses to improve technical skills
- ✓ Advised the students to do online courses.



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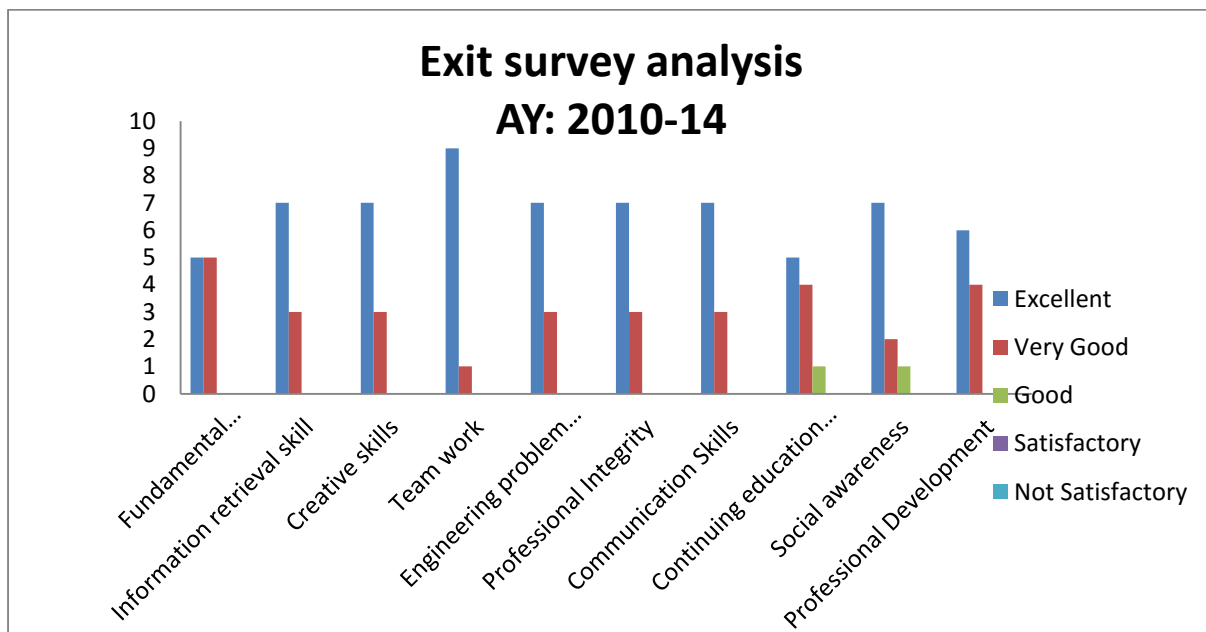


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EXIT SURVEY ANALYSIS

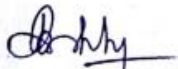
BATCH : 2010-14

| Parameters | Excellent | Very Good | Good | Satisfactory | Not Satisfactory |
|--|-----------|-----------|----------|--------------|------------------|
| Fundamental engineering analysis skill | 5 | 5 | 0 | 0 | 0 |
| Information retrieval skill | 7 | 3 | 0 | 0 | 0 |
| Creative skills | 7 | 3 | 0 | 0 | 0 |
| Team work | 9 | 1 | 0 | 0 | 0 |
| Engineering problem solving skills | 7 | 3 | 0 | 0 | 0 |
| Professional Integrity | 7 | 3 | 0 | 0 | 0 |
| Communication Skills | 7 | 3 | 0 | 0 | 0 |
| Continuing education awareness | 5 | 4 | 1 | 0 | 0 |
| Social awareness | 7 | 2 | 1 | 0 | 0 |
| Professional Development | 6 | 4 | 0 | 0 | 0 |
| Total | 67 | 31 | 2 | 0 | 0 |



Analysis Report of Exit survey 2010-14 Batch

- ✓ Professional development courses to be arranged from the second year onwards.
- ✓ Engineering problem solving skills are developed by conducting competition through various Societies / Clubs
- ✓ Students are advised to create innovative ideas and encouraged the students to participate more technical events organised by government agencies.
- ✓ Excellent lab facility in the department
- ✓ Highly motivated and helping tendency faculty
- ✓ Encouraged the students to participate in national conferences and international conferences
- ✓ Special coaching is arranged for hostel students.
- ✓ Dedicated, highly qualified and trained faculty members.
- ✓ NGO visits helped the students to involve in the social activities.



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**St. JOSEPH'S COLLEGE OF ENGINEERING
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Department of Instrumentation and Control Engineering

Alumni Survey

Academic Year: 2013-14

Alumni feedback was obtained from nearly 12 alumni for the academic year 2013-14. 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 they feel proud to be a part of the institution and are willing to contribute to the development of the institution. 90% of them rated student teacher relationship as highly efficient. While expressing their view on the career guidance and counselling as well as placement cell, 100% of them agreed that ample on campus and off campus opportunities were provided. The overall strength and weakness of the department from the alumni are summarized below.

Strength

1. Course structure and teaching methods were on line with the requirements of the job market.
2. Subjects are completed well in advance.
3. Entrepreneurial skills of the students were encouraged.

Weakness

1. Needed additional classes for slow learners.
2. Need more industry interaction.
3. Training Programme may be organized to improve the placement opportunities.

Feedback analysis report

Majority of alumni rated the developmental activities rendered by the college for their overall Development as highly efficient. Regarding the residential facilities, 50% of them who were in hostel rated that the food and accommodation facilities as good.



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Department of Instrumentation and Control Engineering

Students 'Feedback on Teacher

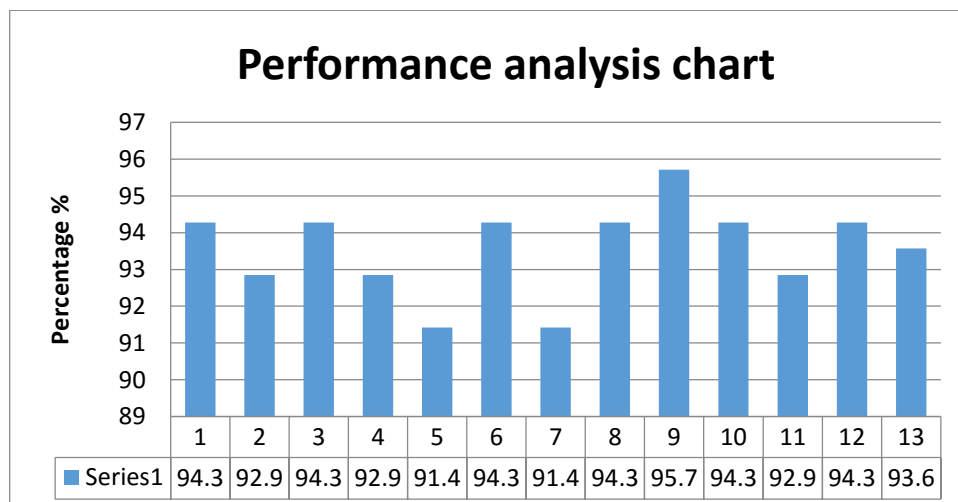
Analysis on Students 'Feedback on Teacher (13-14)

Name of the Faculty: Mr. K. Muthukumaran

Subject: Power plant instrumentation

Class: III Year

| S.No | Questions | VG | G | SAT | PO | VP | TOTAL | OUT OF | % |
|------|--|----|----|-----|----|----|-------|--------|-------|
| 1 | Teacher comes to the class on time and engages (with well-prepared in the subjects) the classes till end. | 50 | 20 | 0 | 0 | 0 | 330 | 350 | 94.28 |
| 2 | Teacher speaks clearly and audibly. | 45 | 25 | 0 | 0 | 0 | 325 | 350 | 92.85 |
| 3 | Explanations are clear and effective and the proficiency in English. | 50 | 20 | 0 | 0 | 0 | 330 | 350 | 94.28 |
| 4 | Teacher is uploading in web portal immediately after completing the unit. | 45 | 25 | 0 | 0 | 0 | 325 | 350 | 92.85 |
| 5 | Teacher uses LCD in class | 40 | 30 | 0 | 0 | 0 | 320 | 350 | 91.42 |
| 6 | Teacher encourages questioning/ raising doubts by the students and answers them well. | 50 | 20 | 0 | 0 | 0 | 330 | 350 | 94.28 |
| 7 | Teacher works out more problems in the class | 40 | 30 | 0 | 0 | 0 | 320 | 350 | 91.42 |
| 8 | Teacher's courteous impartial and approachable in the class. | 50 | 20 | 0 | 0 | 0 | 330 | 350 | 94.28 |
| 9 | Teacher has control over the class and maintains discipline. | 55 | 15 | 0 | 0 | 0 | 335 | 350 | 95.71 |
| 10 | Teacher covers the syllabus completely at appropriate speed. | 50 | 20 | 0 | 0 | 0 | 330 | 350 | 94.28 |
| 11 | Teacher takes extra efforts for weak students. | 45 | 25 | 0 | 0 | 0 | 325 | 350 | 92.85 |
| 12 | Teacher is prompt and impartial in valuing and returning the answer scripts and providing feedback on student's performance. | 50 | 20 | 0 | 0 | 0 | 330 | 350 | 94.28 |
| | | | | | | | 3930 | 4200 | 93.57 |





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Department of Instrumentation and Control Engineering

Academic Year 2013-14

Feedback Analysis of Stakeholders on curriculum and Actions Taken
Report

| S.NO | Stakeholder | Feedback | Actions Taken |
|------|-------------|--|---|
| 1. | Student | Need practical experience | II year: PCB fabrication techniques and C, C++ Programming course arranged. |
| 2. | Teacher | Advanced topic to be covered | Guest lecture on latest topics were arranged. |
| 3. | Alumni | More number of placement training program | Management decided to conduct training program from II Year onwards. |
| 4. | Employers | Add more courses related to industry oriented | Suggestions given to university syllabus committee members. |
| 5. | Parents | Conduct courses related to higher education and industry ready | Department Value added courses conducted from III Year onwards. |

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Department Of Instrumentation and Control Engineering

Academic Year: 2013-14 (Odd Semester)
Consolidated Report of Students Feedback analysis on Teaching Faculty
IV YEAR


| Sub Code | Name of the Subject | Name of the Staff | Feedback Percentage |
|----------|--------------------------------------|---------------------|---------------------|
| EI 2401 | Industrial Data Networks | Mr. K.Muthukumaran | 94 |
| EI 2402 | Logic and Distributed Control System | Mr. M. Suresh | 92 |
| IC 2401 | Digital Control Systems | Dr. C. Selvakumar | 95 |
| CS 2461 | Applied Soft Computing | Mrs. E. Ahila Devi | 96 |
| EI 2021 | Power Plant Instrumentation | Mr. R. Kotteeswaran | 96 |
| CS 2411 | Operating Systems | Mr. K. Pradeep | 95 |

III YEAR

| Sub Code | Name of the Subject | Name of the Staff | Feedback Percentage |
|----------|------------------------------------|--------------------------|---------------------|
| EC 2312 | Microprocessor and Microcontroller | Mr. R. Elavarasan | 95 |
| CS2311 | Object Oriented Programming | Ms. J.M.Kavitha | 95 |
| EI2302 | Analytical Instruments | Mrs. E. Ahila Devi | 94 |
| EI2303 | Industrial Instrumentation – II | Mr. Vijaya Ramraj Rangam | 94 |
| EE2301 | Power Electronics | Mr. S.S.Harish | 95 |
| EI2311 | Biomedical Instrumentation | Mrs.D. Anitha Jebakumari | 94 |

II YEAR

| Sub Code | Name of the Subject | Name of the Staff | Feedback Percentage |
|----------|-------------------------------------|----------------------|---------------------|
| MA 2211 | Transforms and Partial Differential | Angline Kiruba | 96 |
| EI 2201 | Electrical Machines | Mr. B. Senthil Kumar | 95 |
| EI 2202 | Electrical Measurements | Mr. T. Babu | 95 |
| EI 2203 | Electronic Devices and Circuits | Mr. K. Venkatesan | 95 |
| EE2204 | Data Structures and Algorithms | Ms. M. Shalini | 95 |
| GE 2211 | Environmental Science and | Ms. Anisha.T.Alex | 94 |


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Academic Year: 2013-14 (EVEN SEMESTER)
Consolidated Report of Students Feedback analysis on Teaching Faculty
IV YEAR

| Sub Code | Name of the Subject | Name of the Staff | Feedback Percentage |
|----------|------------------------------------|----------------------|---------------------|
| MG 2351 | Principles of Management | Dr. K. Jawahar Rani | 97 |
| | | Dr. R. Radjamanogary | 97 |
| EC 2024 | Robotics and Automation | Mr. K. Muthukumaran | 94 |
| | | Mr. T. Babu | 94 |
| GE 2025 | Professional Ethics in Engineering | Dr. C. Selvakumar | 95 |
| | | Mr. S.S Harish | 94 |

III YEAR

| Sub Code | Name of the Subject | Name of the Staff | Feedback Percentage |
|----------|------------------------------------|---------------------------|---------------------|
| EI2351 | Modern Electronic Instrumentation | Mr. S. S. Harish | 95 |
| EI2352 | Process Control | Mr. M. Suresh | 92 |
| EI2404 | Fiber Optics and Laser Instruments | Mrs. D. Anitha Jebakumari | 94 |
| IC2351 | Advanced Control System | Dr. C. Selvakumar | 96 |
| EC2361 | Digital Signal Processing | Mr. K. Ramachandra Reddy | 92 |
| CS2364 | Embedded System | Mr. Vijaya RamRaj Rangam | 95 |

II YEAR

| Sub Code | Name of the Subject | Name of the Staff | Feedback Percentage |
|----------|--------------------------------|--------------------------|---------------------|
| EE 2253 | Control Systems | Mr. T. Babu | 95 |
| EI 2252 | Transducer Engineering | Mr. M. Suresh | 94 |
| IC 2251 | Digital Principles and Design | Mr. K. Ramachandra Reddy | 95 |
| EE 2254 | Linear Integrated Circuits and | Mrs. M. Muthulakshmi | 95 |
| EI 2251 | Industrial Instrumentation - I | Mrs. E. Ahila Devi | 96 |
| EI 2254 | Applied Thermodynaics | Mr. D. Billy | 92 |

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Department of Instrumentation and Control Engineering
Employer Feedback

Academic Year: 2013-14

Vision of Department

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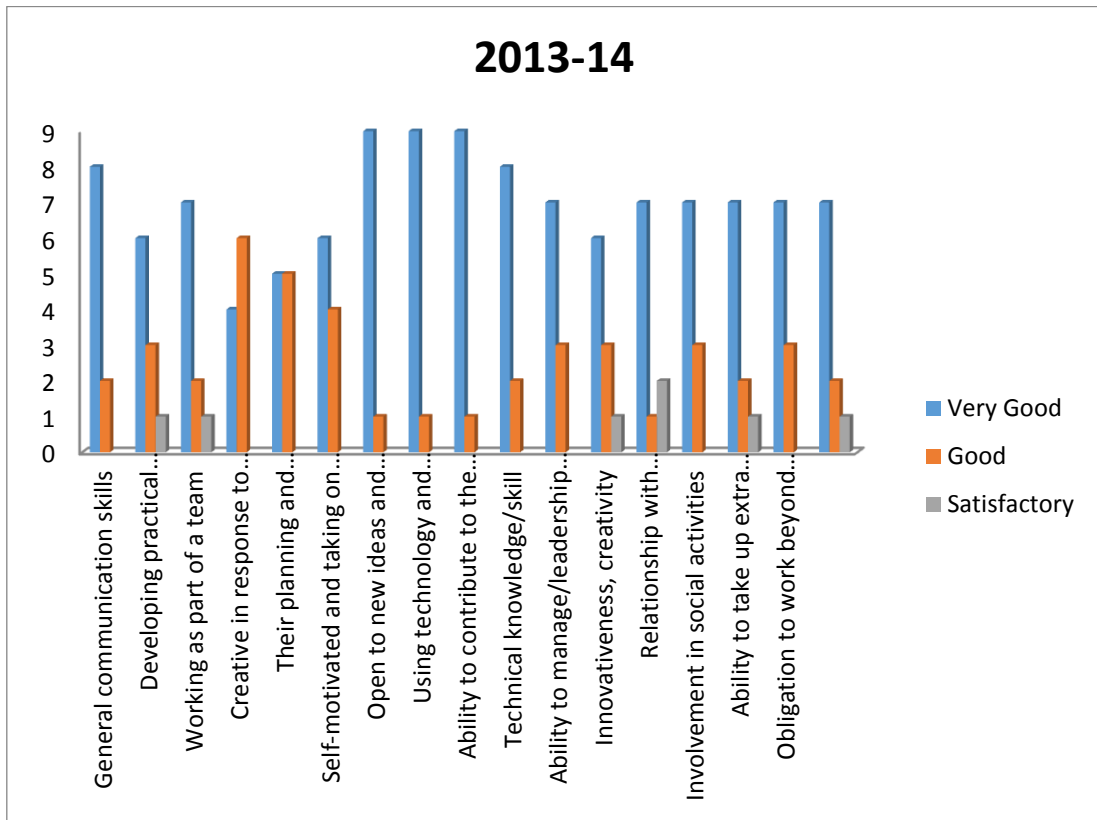
Mission of Department


- To nurture the students with strong foundations to enable them emerge into competent instrumentation and Control Engineers.
- To enhance the core competency of the students to cater to the needs of the industries and research organizations.
- To Encourage Budding Engineers to keep in updating current technological trends through continuing educational programs.

*Tick the number that best describes your level of satisfaction at each question:

1 - Far from satisfied, 2 - Not satisfied, 3 - Satisfied, 4 - Happy, 5 - Very happy

| 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 | 8 | 2 | | | |
| 2. | Developing practical solutions to work place problems | 6 | 3 | 1 | | |
| 3. | Working as part of a team | 7 | 2 | 1 | | |
| 4. | Creative in response to workplace challenges | 4 | 6 | | | |
| 5. | Their planning and organization skills | 5 | 5 | | | |
| 6. | Self-motivated and taking on appropriate level of responsibility | 6 | 4 | | | |
| 7. | Open to new ideas and learning new techniques | 9 | 1 | | | |
| 8. | Using technology and workplace equipment | 9 | 1 | | | |
| 9. | Ability to contribute to the goal of the organization | 9 | 1 | | | |
| 10. | Technical knowledge/skill | 8 | 2 | | | |
| 11. | Ability to manage/leadership qualities | 7 | 3 | | | |
| 12. | Innovativeness, creativity | 6 | 3 | 1 | | |
| 13. | Relationship with seniors/peers/subordinates | 7 | 1 | 2 | | |
| 14. | Involvement in social activities | 7 | 3 | | | |
| 15. | Ability to take up extra responsibility | 7 | 2 | 1 | | |
| 16. | Obligation to work beyond schedule if required | 7 | 3 | | | |
| 17. | Overall satisfied with St. Joseph's students and curriculum | 7 | 2 | 1 | | |




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OMR, CHENNAI -600 119
Department of Instrumentation and Control Engineering
PARENT FEEDBACK

Academic Year: 2013-14

Vision of Department

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Mission of Department

- To nurture the students with strong foundations to enable them emerge into competent instrumentation and Control Engineers.
- To enhance the core competency of the students to cater to the needs of the industries and research organizations.
- To Encourage Budding Engineers to keep in updating current technological trends through continuing educational programs.

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

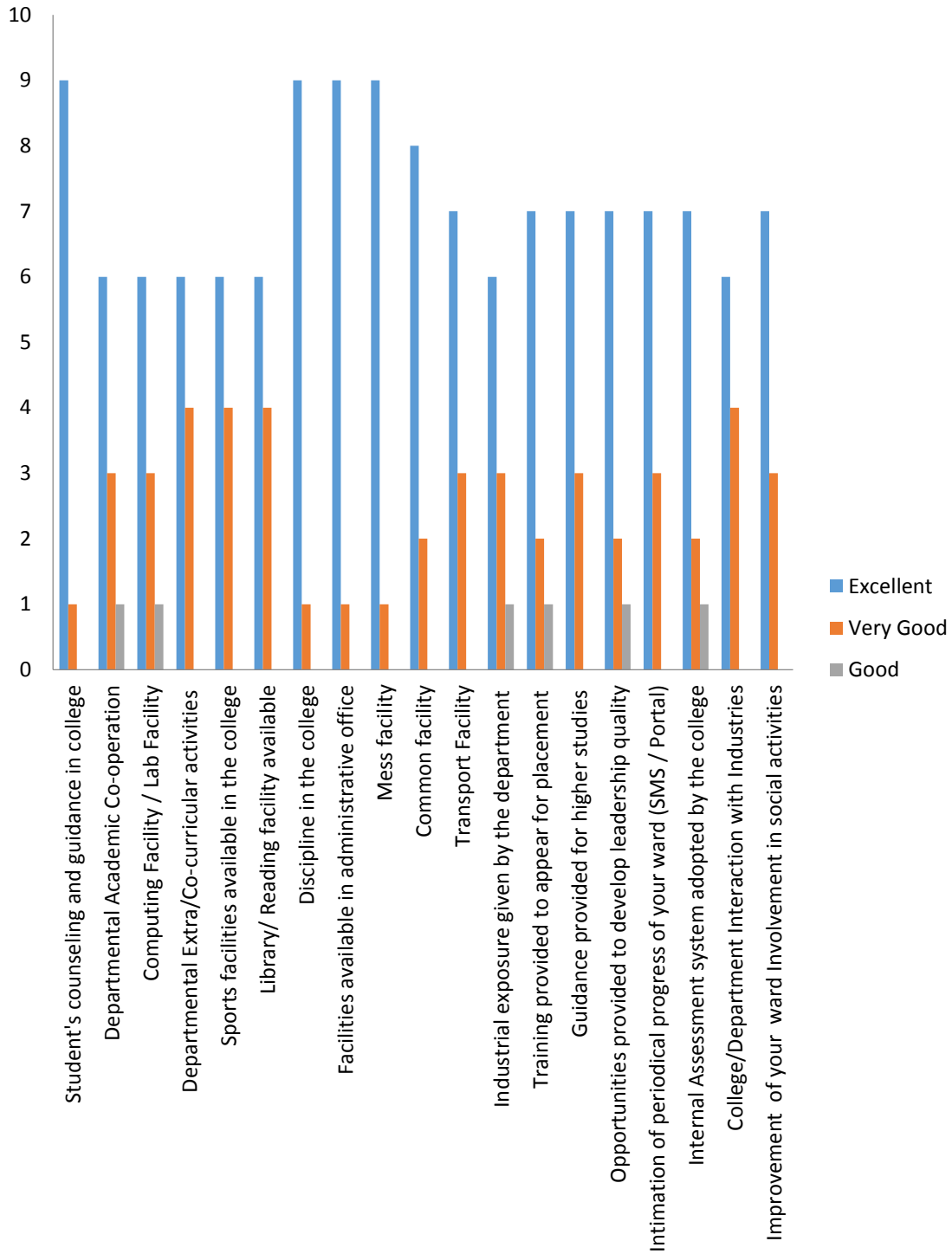
Grade: 5-Excellent, 4-Very Good, 3- Good, 2- Satisfactory, 1- Not satisfactory (Use the following scale for grading)

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

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2013-14



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