



**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: 2015-16**

1.	✓ Teachers are completing the syllabus with in the time period, and also solving the more problems, should be continued further.	✓ The same teaching methodology will be continued.
2.	✓ Extension of Wi-Fi Facility is needed.	✓ Reported to principal and necessary actions measures are taken through network administrator.
3.	✓ More number of online examinations should be conducted in every semester.	✓ Online examinations are conducted by AMCAT
4.	✓ Must conduct guest lecture on different new technologies using in industries.	✓ Guest lecture conducted on different new technologies using in industries based applications. Plan to conduct new technology Guest lecture in future.
5.	✓ Need more practice for university examination	✓ More number of internal assessment examinations are conducted to improve the university results

**Dr. T. BABU, M.E., Ph.D**  
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Chennai-600 119.

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



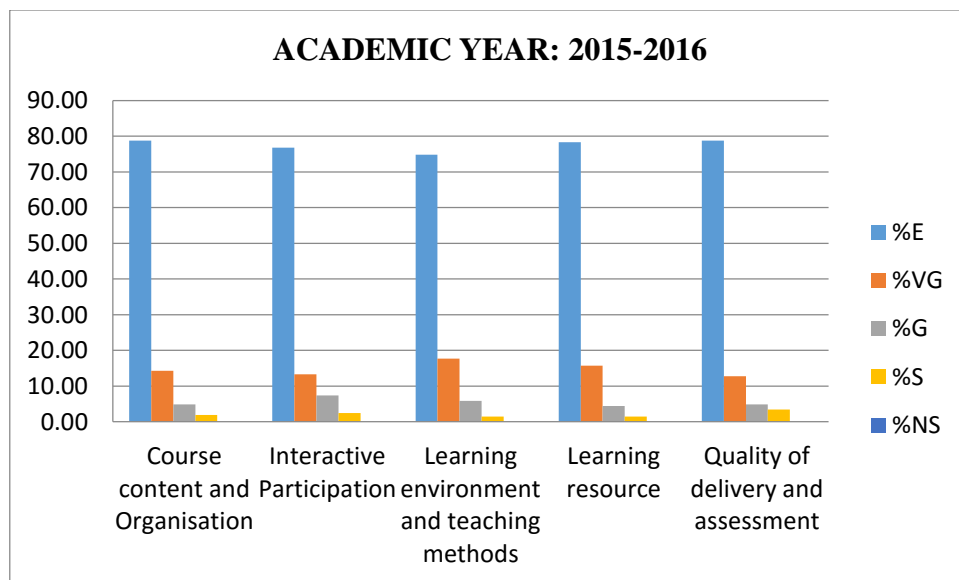
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**Department of Instrumentation and Control Engineering**

**COURSE EVALUATION –FEEDBACK BY STUDENT**

**REPORT**

**ACADEMIC YEAR: 2015-2016**

<b>CORE QUESTIONS</b>	<b>%E</b>	<b>%VG</b>	<b>%G</b>	<b>%S</b>	<b>%NS</b>
Course content and Organisation	78.82	14.29	4.93	1.97	0.00
Interactive Participation	76.85	13.30	7.39	2.46	0.00
Learning environment and teaching methods	74.88	17.73	5.91	1.48	0.00
Learning resource	78.33	15.76	4.43	1.48	0.00
Quality of delivery and assessment	78.82	12.81	4.93	3.45	0.00



## Students' Feedback

- ✓ Set of questionnaire were prepared as per vision and mission of the institution and department.
- ✓ It has questions related to Course content & Organisation, Interactive participation, Learning environment & teaching methods, Learning resource and Quality of delivery and assessment. Totally 42 students gave their feedback on curriculum for the academic year 2015-2016.
- ✓ 78% 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 74% of the students agreed that they are equipped with necessary teaching methods required for their programme.
- ✓ It is observed that 78% of the students agreed that the provision for learning resource in library was adequate and appropriate.
- ✓ The feedback revealed that 78% of them strongly agreed about the quality of delivery and the internal assessment for the specified programme.

## Feedback analysis report

- ✓ Class notes to weak students
- ✓ More number of practice tests.



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**Form-II**

**St. JOSEPH'S COLLEGE OF ENGINEERING**  
**OMR, CHENNAI -600 119**  
**Department of Instrumentation and Control Engineering**  
**TEACHER'S FEEDBACK ON CURRICULUM**  
**Academic Year: 2015-16**

**Vision of Department**

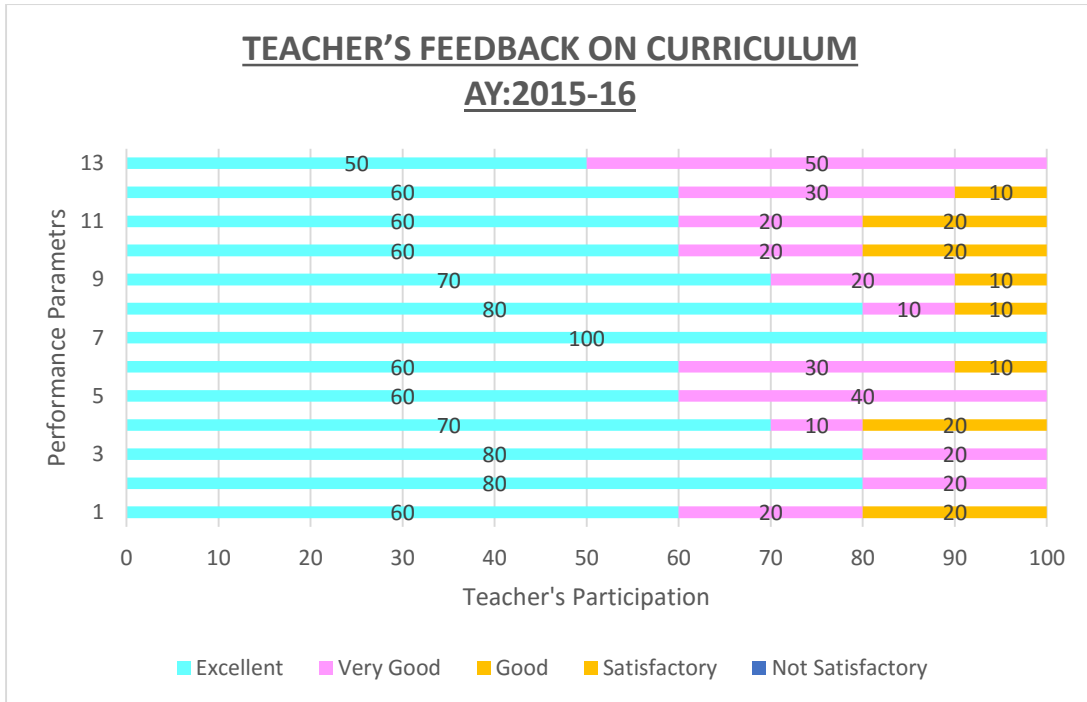
To become a center for excellence in the field of instrumentation and control engineering to enriching the students with quality education, contemporary technologies to meet the global needs.

**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	60%	20%	20%		
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.	70%	10%	20%		
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	190%				
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	70%	10%	20%		
11.	The electives offered are relevant to the specialization streams and to the technological advancements.	60%	20%	20%		
12.	The laboratory experiments enhance the students in understanding the concepts and enable them to relate theory to practice (Experiential learning).	60%	30%	10%		
13.	Facilities are provided for teaching and to adopt current trends / research.	50%	50%			



**TEACHER'S FEEDBACK ON CURRICULUM**

**Academic Year: 2015-16**

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

- ✓ current syllabus provides internship as well as field projects to students
- ✓ Included new activities to enhance the student's employability.

  
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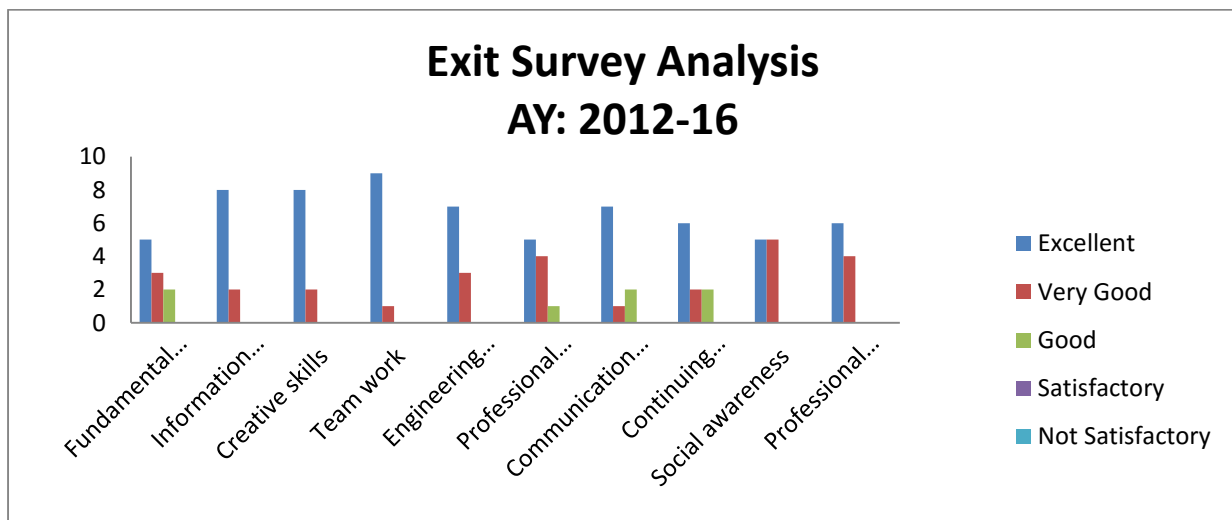
**Form-III**

**St. JOSEPH'S COLLEGE OF ENGINEERING  
OMR, CHENNAI -600 119  
Department of Instrumentation and Control Engineering**

**EXIT SURVEY ANALYSIS**

**BATCH : 2012-16**

Parameters	Excellent	Very Good	Good	Satisfactory	Not Satisfactory
<b>Fundamental engineering analysis skill</b>	5	3	2	0	0
<b>Information retrieval skill</b>	8	2	0	0	0
<b>Creative skills</b>	8	2	0	0	0
<b>Team work</b>	9	1	0	0	0
<b>Engineering problem solving skills</b>	7	3	0	0	0
<b>Professional Integrity</b>	5	4	1	0	0
<b>Communication Skills</b>	7	1	2	0	0
<b>Continuing education awareness</b>	6	2	2	0	0
<b>Social awareness</b>	5	5	0	0	0
<b>Professional Development</b>	6	4	0	0	0
<b>Total</b>	<b>66</b>	<b>27</b>	<b>7</b>	<b>0</b>	<b>0</b>



## **Analysis Report of Exit survey 2012-16 Batch**

- ✓ Encouraged to participate in more workshops and conferences
- ✓ Good transport facility for special class students
- ✓ Special coaching is arranged for hostel students.
- ✓ Dedicated and highly qualified faculty
- ✓ Excellent Placement orientation program
- ✓ More number of industrial needed courses to be included in the curriculum.
- ✓ NGO visits helped the students to involve in the social activities.
- ✓ Hygienic food is provided for all the students.



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**St. JOSEPH'S COLLEGE OF ENGINEERING  
OMR, CHENNAI -600 119**

**Department of Instrumentation and Control Engineering**

**Alumni Survey**

**Academic Year: 2015-16**

- ✓ Alumni feedback was obtained from nearly 14 alumni for the academic year 2015-16.
- ✓ 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 100% of them feel proud to be a part of the institution and are willing to contribute to the development of the institution.
- ✓ Majority of alumni rated the developmental activities rendered by the college for their overall Development as highly efficient.
- ✓ While expressing their view on the career guidance and counseling 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. Communication skills training were given.
2. Career guidance coaching, management training, leadership training were given.
3. Good academics.

**Weakness**

1. Projects should be given more weightage as evaluation component
2. Mini projects have to be included in the curriculum.
3. Interactive learning needs to be implemented.

**Feedback analysis report**

It is highly appreciated by the alumni that the measures taken by the institution towards career orientation were excellent.



Form-V

**St. JOSEPH'S COLLEGE OF ENGINEERING**  
**OMR, CHENNAI -600 119**  
**Department of Instrumentation and Control Engineering**

**Analysis on Students 'Feedback on Teacher (15 -16)**

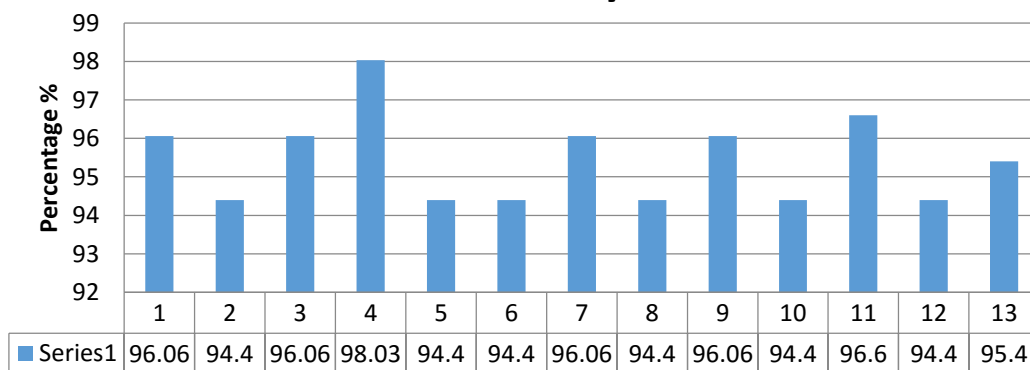
Name of the Faculty: Dr. C. Selvakumar

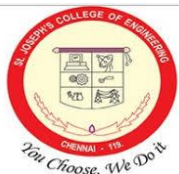
Subject: Control System

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	10	1	0	0	293	305	96.06
2	Teacher speaks clearly and audibly.	45	15	1	0	0	288	305	94.4
3	Explanations are clear and effective and the proficiency in English.	50	10	1	0	0	293	305	96.06
4	Teacher is uploading in web portal immediately after completing the unit.	55	6	0	0	0	299	305	98.03
5	Teacher uses LCD in class	45	15	1	0	0	288	305	94.4
6	Teacher encourages questioning/ raising doubts by the students and answers them well.	45	15	1	0	0	288	305	94.4
7	Teacher works out more problems in the class	50	10	1	0	0	293	305	96.06
8	Teacher's courteous impartial and approachable in the class.	45	16	0	0	0	288	305	94.4
9	Teacher has control over the class and maintains discipline.	50	10	1	0	0	293	305	96.06
10	Teacher covers the syllabus completely at appropriate speed.	45	15	1	0	0	288	305	94.4
11	Teacher takes extra efforts for weak students.	50	10	1	0	0	293	305	96.6
12	Teacher is prompt and impartial in valuing and returning the answer scripts and providing feedback on student's performance.	45	15	1	0	0	288	305	94.4
							3492	3660	95.40

**Performance Analysis Chart**





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**Department of Instrumentation and Control Engineering**

**Academic Year 2015-16**

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

S.N	Stakeholder	Feedback	Actions Taken
1.	Student	✓ Syllabus should include practical based Approach.	✓ Encouraged to do mini projects for II Year and III year students.
2.	Teacher	✓ Hands on training for department specific subjects	✓ Department specific Workshops/ Value added courses are arranged for II year and III year students
3.	Alumni	✓ Industry oriented knowledge and learning scheme should be imparted ✓ Special courses (java, .Net etc) should be taught	✓ Workshops to make students aware of new software & latest technique is suggested. ✓ C and C++, Java courses arranged for the students
4.	Employers	✓ Fundamental concepts based training to be included	✓ More number of experiments are conducted to familiarize with the basic concepts ✓ Competitions are conducted to gain the technical knowledge.
5.	Parents	✓ Industrial based projects to be included.	✓ Students are advised to take internship and in-plant training.

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**Academic Year: 2015-16 (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	92
EI 2402	Logic and Distributed Control System	Dr. M. Suresh	92
IC 2401	Digital Control Systems	Dr. C. Selvakumar	94
CS 2461	Applied Soft Computing	Mrs. E. Ahila Devi	96
CS 2411	Operating Systems	Mrs. F. Sangeetha	94
EI 2021	Power Plant Instrumentation	Dr. R. Kotteeswaran	96

**III YEAR**

Sub Code	Name of the Subject	Name of the Staff	Feedback Percentage
EE6502	Microprocessor and Microcontroller	Mr.K.Muthukumaran	94
EE6503	Power Electronics	Mr.M.Chilambarasan	92
EI 6501	Analytical Instruments	Dr.M.Suresh	93
EI6502	Industrial Instrumentation – I	Dr.T.Babu	94
IC 6501	Control systems	Dr.C.Selvakumar	93
CS6401	Operating Systems (Elective -1)	Ms. Anjana Devi	95

**II YEAR**

Sub Code	Name of the Subject	Name of the Staff	Feedback Percentage
MA6351	Transforms and Partial Differential Equations	Mr.K.S.Sudhakhar	96
EE6301	Digital Logic Circuits	Mr.R.Siddhardhan	94
EI6301	Electrical Measurements	Dr. T. Babu	93
EC6202	Electronic Devices and Circuits	Mrs.E.Ahila Devi	94
EE6303	Linear Integrated Circuits and Applications	Ms.K.R.Kayalvizhi	95
GE6351	Environmental Science and Engineering	Mr.S.S.Harish	95

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**Academic Year: 2015-16 (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
EE2023	Robotics and Automation	Mr. K.Muthukumaran	94
		Dr.R.Kotteeswaran	94
GE2025	Professional ethics in Engineering	Dr. C. Selvakumar	93
		Mr.S.S.Harish	93
MG2351	Principles of Management	Mrs. E. Ahila Devi	95

**III YEAR**

Sub Code	Name of the Subject	Name of the Staff	Feedback Percentage
EI6601	Modern Electronic Instrumentation	Dr.T.Babu	94
EI 6602	Process Control	Dr.C.Selvakumar	91
EI6603	Industrial Instrumentation-2	Mr.Vijay RamRaj Rangam	94
IC6601	Advanced Control System	Dr.R.Kotteeswaran	95
EI6002	Power Plant Instrumentation	Mr.K.Muthukumaran	93
EC6651	Communication Engineering	Mrs.E.Malarvizhi	96

**II YEAR**

Sub Code	Name of the Subject	Name of the Staff	Feedback Percentage
EI6401	Transducer Engineering	Mrs. E. Ahila Devi	95
EI6402	Electrical Machines	Mr.R.Elanthirayan	94
EE6403	Discrete Time Systems and Signal	Mr. K. Ramachandra Reddy	94
CS6456	Object Oriented Programming	Ms.J.M.Kavitha	92
EI6403	Applied Thermodynamics and	Mr.J.Mariyappan	91
MA6459	Numerical Methods	Ms. M. Methini /Ms. S. Anlin Dinsha	93

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

**Academic Year: 2015-16**

**Vision of Department**

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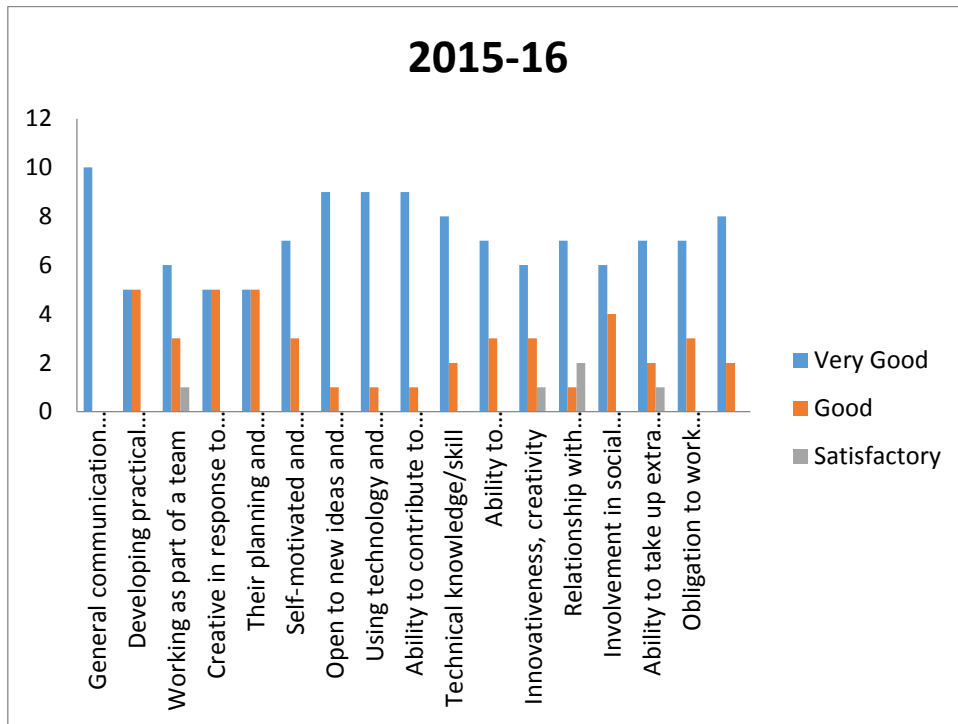
**Mission of Department**

- To nurture the students with strong foundations to enable them emerge into competent instrumentation and Control Engineers.
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- 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	10				
2.	Developing practical solutions to work place problems	5	5			
3.	Working as part of a team	6	3	1		
4.	Creative in response to workplace challenges	5	5			
5.	Their planning and organization skills	5	5			
6.	Self-motivated and taking on appropriate level of responsibility	7	3			
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	6	4			
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	8	2			



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**PARENT FEEDBACK**

**Academic Year: 2015-16**

**Vision of Department**

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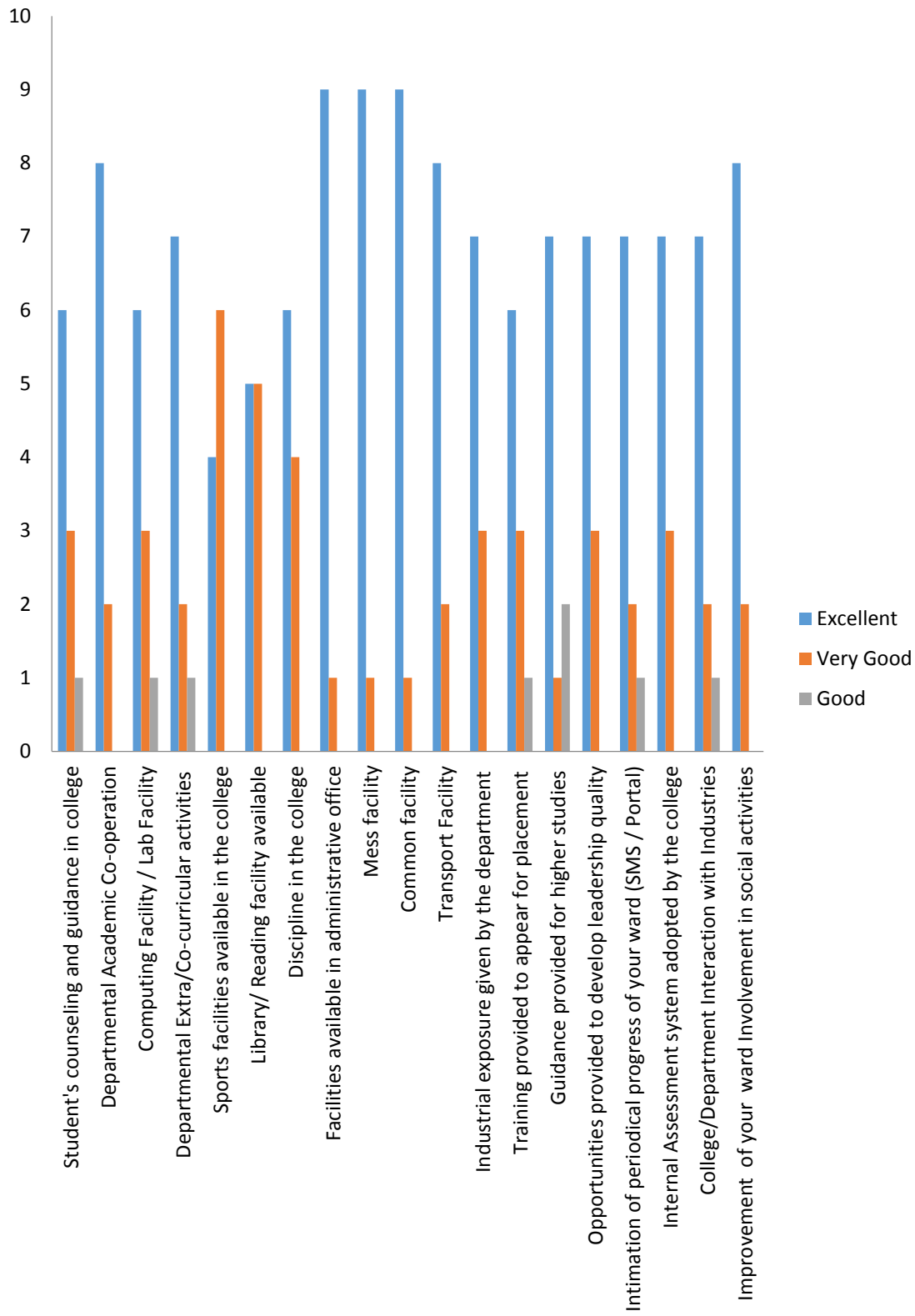
S.No.	Particulars	Grading				
		5	4	3	2	1
1.	Student's counseling and guidance in college	6	3	1		
2.	Departmental Academic Co-operation	8	2			
3.	Computing Facility / Lab Facility	6	3	1		
4.	Departmental Extra/Co-curricular activities	7	2	1		
5.	Sports facilities available in the college	4	6			
6.	Library/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

**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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## 2015-16



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