

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

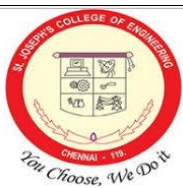
**FEEDBACK RELATED TO INSTITUTE SUGGESTED BY STAKEHOLDERS/  
ACTION TAKEN BY THE INSTITUTION**

**Academic Year: 2016-17**

S.No	Feedback	Action Taken
1.	<ul style="list-style-type: none"><li>✓ The expert lectures can be arranged for fundamental subjects.</li><li>✓ They felt that more numerical problems are to be solved for analytical subjects</li></ul>	<ul style="list-style-type: none"><li>✓ Concerned teachers are instructed for arranging expert lecture for respective subject.</li><li>✓ Through assignments more numerical problems solved.</li></ul>
2.	<ul style="list-style-type: none"><li>✓ Must conduct workshops on different new upcoming technologies.</li></ul>	<ul style="list-style-type: none"><li>✓ Workshops conducted on PLC and SCADA based applications.</li></ul>
3.	<ul style="list-style-type: none"><li>✓ Conduct more number of online placement test.</li></ul>	<ul style="list-style-type: none"><li>✓ For third year and final year students placement training days extended and ONLINE practice test has also been included from this academic year.</li></ul>

**Dr. T. BABU, M.E., Ph.D**  
Head of The Department,  
Department of Instrumentation & Control Engg.  
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.



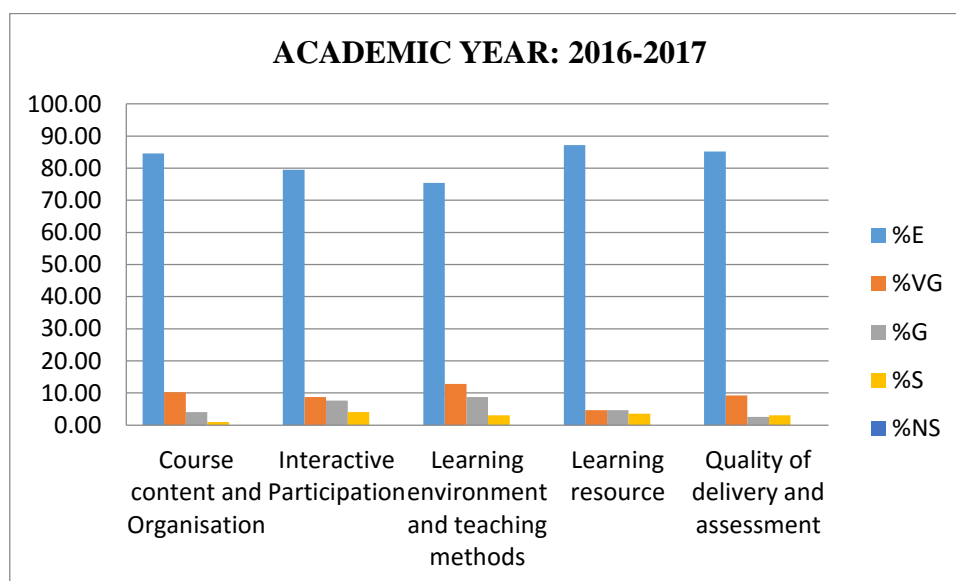
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**Department of Instrumentation and Control Engineering**

**COURSE EVALUATION –FEEDBACK BY STUDENT**

**REPORT**

**ACADEMIC YEAR: 2016-2017**

<b>CORE QUESTIONS</b>	<b>%E</b>	<b>%VG</b>	<b>%G</b>	<b>%S</b>	<b>%NS</b>
Course content and Organisation	84.62	10.26	4.10	1.03	0.00
Interactive Participation	79.49	8.72	7.69	4.10	0.00
Learning environment and teaching methods	75.38	12.82	8.72	3.08	0.00
Learning resource	87.18	4.62	4.62	3.59	0.00
Quality of delivery and assessment	85.13	9.23	2.56	3.08	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 & Organization, Interactive participation, Learning environment & teaching methods, Learning resource and Quality of delivery and assessment.
- ✓ Totally 56 students gave their feedback on curriculum for the academic year 2016-2017.
- ✓ 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 75% of the students agreed that they are equipped with necessary teaching methods required for their programme.
- ✓ It is observed that 87% 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

- ✓ Smart class rooms facilities to be improved
- ✓ Lecture notes to be circulated among the students
- ✓ Special class for hostel students to be arranged



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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: 2016-17**

**Vision of Department**

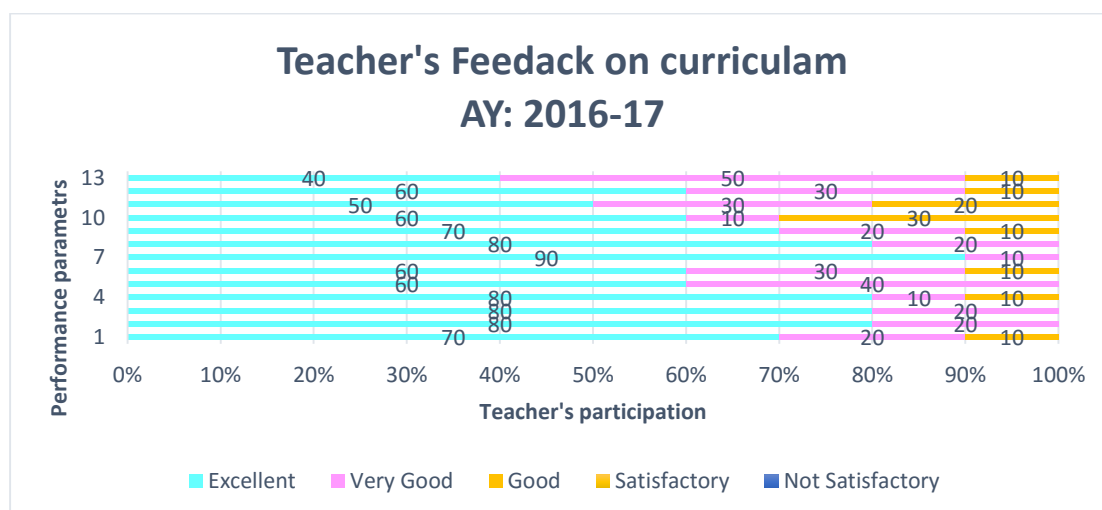
To become a center for excellence in the field of instrumentation and control engineering to enriching the students with quality education, contemporary technologies to meet the global needs.

**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	90%	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%	20%			
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%	10%	30%		
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).	60%	30%	10%		
13.	Facilities are provided for teaching and to adopt current trends / research.	40%	50%	10%		



## **TEACHER'S FEEDBACK ON CURRICULUM**

**Academic Year: 2016-17**

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

- ✓ Students are happy with current syllabus.
- ✓ Current syllabus is more career oriented.
- ✓ They need practical knowledge of C++ language and department specific software.



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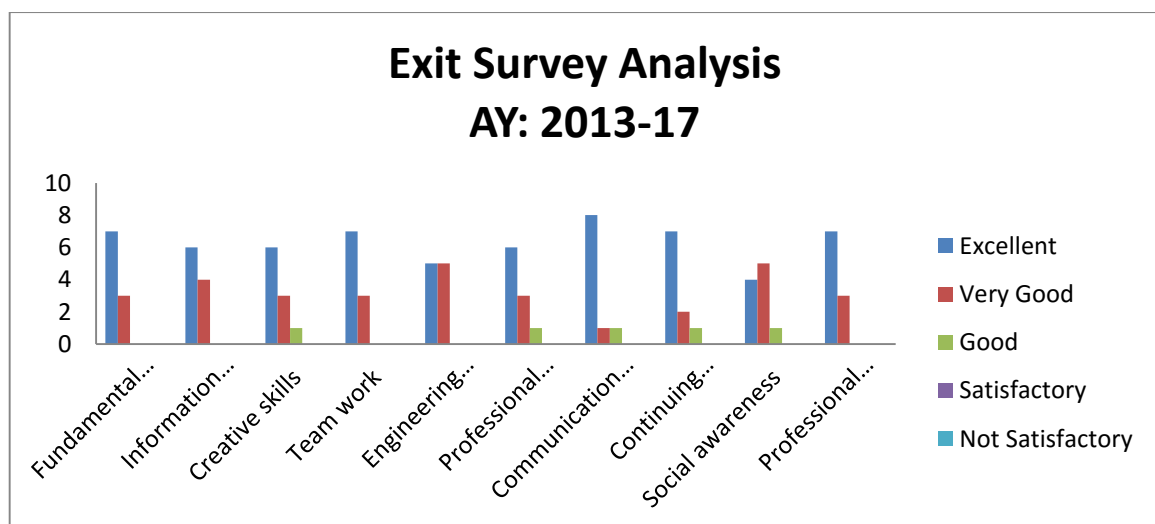
**Form-III**

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

**EXIT SURVEY ANALYSIS**

**BATCH : 2013-17**

Parameters	Excellent	Very Good	Good	Satisfactory	Not Satisfactory
Fundamental engineering analysis skill	7	3	0	0	0
Information retrieval skill	6	4	0	0	0
Creative skills	6	3	1	0	0
Team work	7	3	0	0	0
Engineering problem solving skills	5	5	0	0	0
Professional Integrity	6	3	1	0	0
Communication Skills	8	1	1	0	0
Continuing education awareness	7	2	1	0	0
Social awareness	4	5	1	0	0
Professional Development	7	3	0	0	0
<b>Total</b>	<b>63</b>	<b>32</b>	<b>5</b>	<b>0</b>	<b>0</b>



## Analysis Report of Exit survey 2013-17 Batch

- ✓ Dedicated and highly qualified faculty
- ✓ Excellent Placement orientation program
- ✓ Encouraged to participate more workshops and conferences
- ✓ Transport facilities for special class students
- ✓ Special coaching is arranged for hostel students.
- ✓ More number of industrial needed courses to be included in the curriculum.



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

**Department of Instrumentation and Control Engineering**

**Alumni Survey**

**Academic Year: 2016-17**

- ✓ Alumni feedback was obtained from nearly 15 alumni for the academic year 2016-17.
- ✓ 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 90% of them feel proud to be a part of the institution and are willing to contribute to the development of the institution.
- ✓ Student teacher relationship - 90% of them rated that 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. Development activities organized by the Department were excellent.
2. Subjects are completed well in advance.
3. Well Equipped laboratories equipped with advanced instruments.

**Weakness**

1. Smart class programme may be made effective.
2. Library facilities must be augmented to enable efficient learning.
3. Interactive learning needs to be implemented.

**Feedback analysis report**

The students are willing to contribute for the development of the college.

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Form-V

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

**Students 'Feedback on Teacher**

**Analysis on Students 'Feedback on Teacher (16-17)**

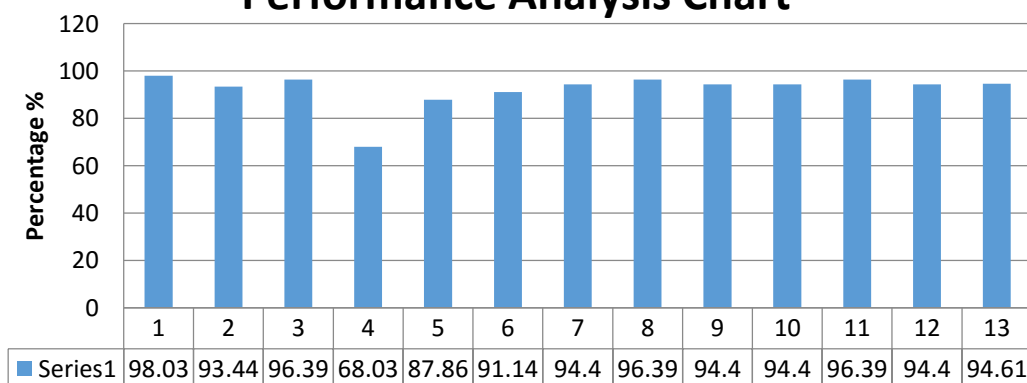
Name of the Faculty: Dr. T. Babu

Subject : Electrical Measurements

Class: III Year

S.No	Questions	VG	G	SA T	PO	VP	TOT AL	OUT OF	%
1	Teacher comes to the class on time and engages (with well-prepared in the subjects) the classes till end.	55	6	0	0	0	299	305	98.03
2	Teacher speaks clearly and audibly.	45	15	1	0	0	285	305	93.44
3	Explanations are clear and effective and the proficiency in English.	50	11	0	0	0	294	305	96.39
4	Teacher is uploading in web portal immediately after completing the unit.	55	6	0	0	0	299	305	68.03
5	Teacher uses LCD in class	25	35	1	0	0	268	305	87.86
6	Teacher encourages questioning/ raising doubts by the students and answers them well.	35	25	1	0	0	278	305	91.14
7	Teacher works out more problems in the class	45	15	1	0	0	288	305	94.4
8	Teacher's courteous impartial and approachable in the class.	50	11	0	0	0	294	305	96.39
9	Teacher has control over the class and maintains discipline.	45	15	1	0	0	288	305	94.4
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	11	0	0	0	294	305	96.39
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
							3463	3660	94.61

**Performance Analysis Chart**





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**Department of Instrumentation and Control Engineering**

**Academic Year 2016-17**

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

S.N	Stakeholder	Feedback	Actions Taken
1.	Student	<ul style="list-style-type: none"> <li>✓ Faculty-student interaction may be enhanced.</li> <li>✓ Smart class programmes may be made effective.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Mentor system effectively implemented to enables the mutual interaction between faculty and student was encouraged</li> <li>✓ Faculty members are advised to utilize smart class room facility</li> </ul>
2.	Teacher	<ul style="list-style-type: none"> <li>✓ Mini projects to be given.</li> <li>✓ Refresher course to enrich the learning experience of the faculty may be organized.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Students are advised to do mini projects during vacation</li> <li>✓ Faculty members are encouraged to attend fresher courses during semester holidays.</li> </ul>
3.	Alumni	<ul style="list-style-type: none"> <li>✓ C++ and Java Training programme may be organized to improve the placement opportunities.</li> </ul>	<ul style="list-style-type: none"> <li>✓ For II year students' communication skills and For III years C++ and Java training programmed arranged.</li> </ul>
4.	Employers	<ul style="list-style-type: none"> <li>✓ Students need to be aware of industry exposure.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Guest lectures arranged from industry experts</li> <li>✓ Industrial visits are arranged every semester to get industrial exposure.</li> </ul>
5.	Parents	<ul style="list-style-type: none"> <li>✓ Practical training may be included in the course</li> </ul>	<ul style="list-style-type: none"> <li>✓ Internship and in-plant training are arranged through department / Placement and Training department</li> </ul>

  
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**Academic Year: 2016-17 (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 6701	Industrial Data Networks	Mr.K.Muthukumaran	92
EI 6702	Logic and Distributed Control System	Dr.C.Selvakumar	91
IC 6701	Digital Control Systems	Dr.M.Suresh	90
EE 6006	Applied Soft Computing	Mrs.E.Ahila Devi	93
EI 6704	Bio Medical Instrumentation	Mr.Vijaya RamRaj Rangam	94
GE 6081	Fundamentals of Nanoscience	Mr.S.S.Harish	95

**III YEAR**

Sub Code	Name of the Subject	Name of the Staff	Feedback Percentage
EE 6502	Microprocessor and Microcontroller	Ms.R.Shobana	90
EE 6503	Power Electronics	Mr.R.Siddhardhan	92
EI 6501	Analytical Instruments	Dr.R.Kotteeswaran	94
EI 6502	Industrial Instrumentation – I	Mr.K.Muthukumaran	91
IC 6501	Control systems	Dr.C.Selvakumar	93
CS 6401	Operating Systems	Mrs.Anjana Devi	92

**II YEAR**

Sub Code	Name of the Subject	Name of the Staff	Feedback Percentage
MA6351	Transforms and Partial Differential	Mr.Karthik Vendhan	
EE6301	Digital Logic Circuits	Mr.R.Siddhardhan	92
EI6301	Electrical Measurements	Dr. T.Babu	96
EC6202	Electronic Devices and Circuits	Mrs.E.Ahila Devi	95
EE6303	Linear Integrated Circuits and Application	Mr.Vijaya RamRaj Rangam	95
GE6351	Environmental Science and Engineering	Ms.R.Shobana	94

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**Academic Year: 2016-17 (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
MG6851	Principles of Management	Mrs. E. Ahila Devi	95
GE6075	Professional Ethics in Engineering	Mr.Vijay RamRaj Rangam	95
		Mr.S.S.Harish	95
EI6801	Computer Control of Process	Dr.R.Kotteeswaran	96
		Dr.T.Babu	96

**III YEAR**

Sub Code	Name of the Subject	Name of the Staff	Feedback Percentage
EI6601	Modern Electronic Instrumentation	Mrs.E.Ahila Devi	94
EI6602	Process Control	Dr.C.Selvakumar	95
EI6603	Industrial Instrumentation-2	Mr.Vijay RamRaj Rangam	93
IC6601	Advanced Control System	Dr.R.Kotteeswaran	92
EI6002	Power Plant Instrumentation	Mr.K.Muthukumaran	94
EC6651	Communication Engineering	Mrs.E.Malarvizhi	91

**II YEAR**

Sub Code	Name of the Subject	Name of the Staff	Feedback Percentage
EI6401	Transducer Engineering	Mr.K.Muthukumaran	92
EI6402	Electrical Machines	Mr.K.Sivakumar	92
EE6403	Discrete Time Systems and	Mr. K. Ramachandra Reddy	96
CS6456	Object Oriented Programming	Ms.F.Sangeetha	93
EI6403	Applied Thermodynamics and	Mr.J.Mariyappan	92
MA6459	Numerical Methods	Dr.K.Sasikala/ Mr.C.Shankar	94

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

**Academic Year: 2016-17**

**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.

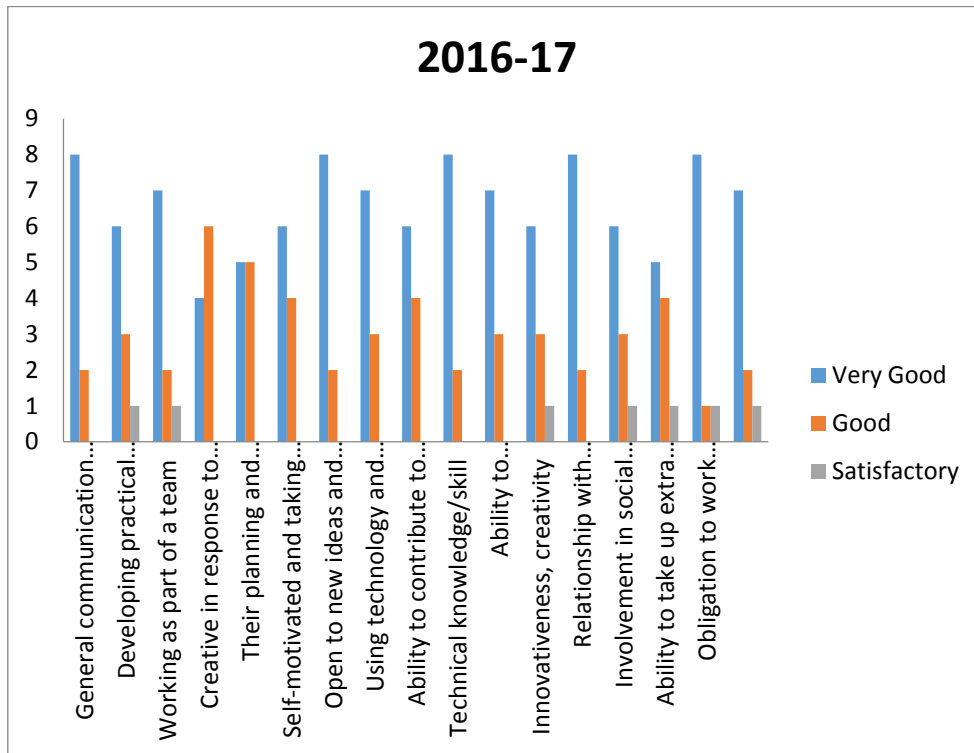
**Mission of Department**

- 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.

\*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	8	2			
8.	Using technology and workplace equipment	7	3			
9.	Ability to contribute to the goal of the organization	6	4			
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	8	2			
14.	Involvement in social activities	6	3	1		
15.	Ability to take up extra responsibility	5	4	1		
16.	Obligation to work beyond schedule if required	8	1	1		
17.	Overall satisfied with St. Joseph's students and curriculum	7	2	1		



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**Department of Instrumentation and Control Engineering**  
**PARENT FEEDBACK**

**Academic Year: 2016-17**

**Vision of Department**

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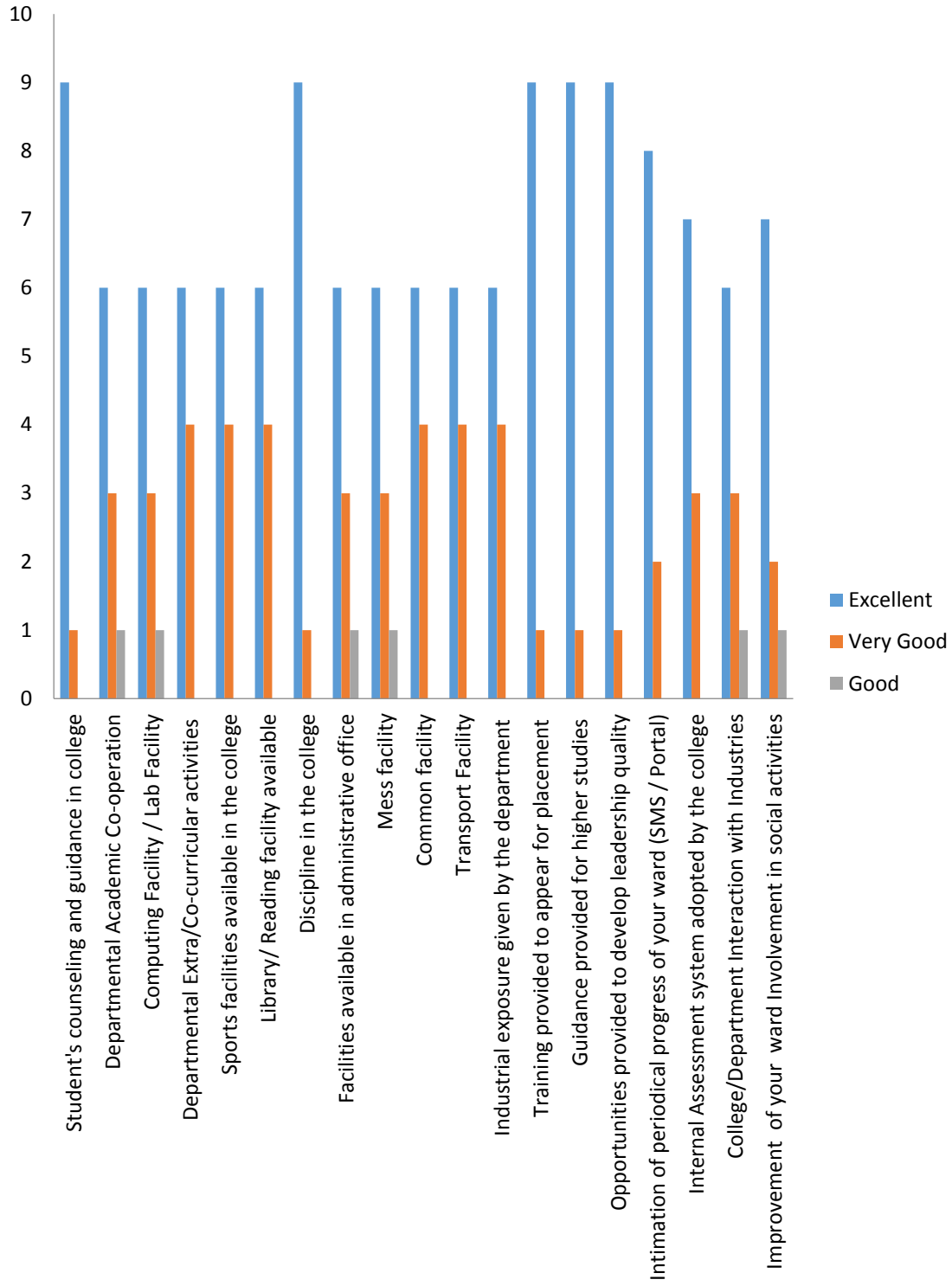
S.No.	Particulars	Grading				
		5	4	3	2	1
1.	Student's counseling and guidance in college	9	1			
2.	Departmental Academic Co-operation	6	3	1		
3.	Computing Facility / Lab Facility	6	3	1		
4.	Departmental Extra/Co-curricular activities	6	4			
5.	Sports facilities available in the college	6	4			
6.	Library/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

**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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## 2016-17



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