



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: 2017-18

S. No	Feedback	Action taken
1.	✓ The Assignments can be given in the beginning of the every chapter	✓ All the faculties are instructed to give all the assignment questions before beginning of every chapter.
2.	✓ Class notes to be given to weak students	✓ Class notes copy given to all the weak students and softcopy available in the college portal
3.	✓ Needed more time to practice the experiments in the laboratory	✓ The information has been given to the concern in charge through principal and the time has been extended.
4.	✓ Value added courses to be arranged in emerging fields.	✓ Motivated the students to participate Workshops organized by college such as Internet of Things (IoT), Deep learning, Wireless Sensor Networks
5.	✓ Conduct more placement activities like online test, mock interview, Group discussion, etc.,	✓ ONLINE practice test conducted and mock interview conducted by external body.

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.



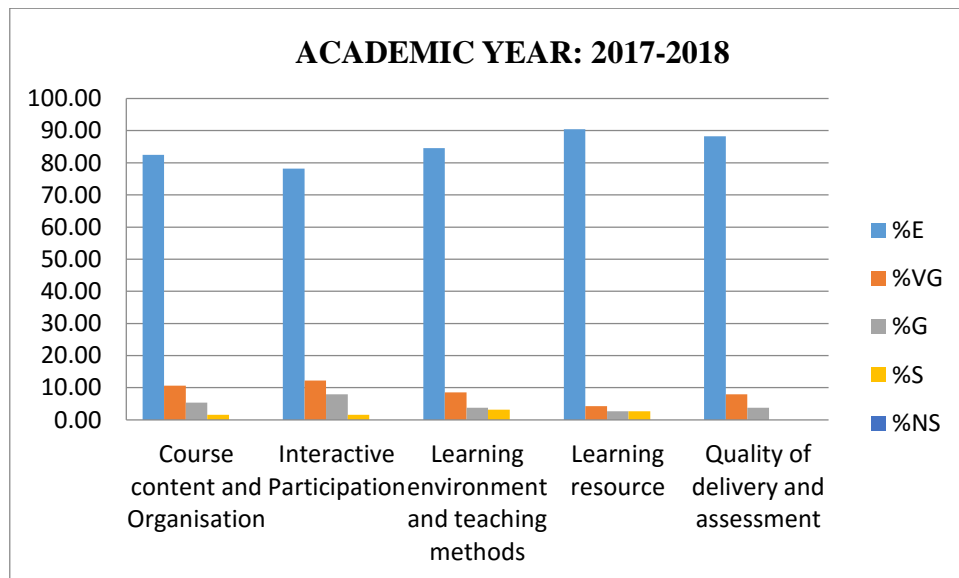
Form-I

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: 2017-2018

CORE QUESTIONS	%E	%VG	%G	%S	%NS
Course content and Organisation	82.45	10.64	5.32	1.60	0.00
Interactive Participation	78.19	12.23	7.98	1.60	0.00
Learning environment and teaching methods	84.57	8.51	3.72	3.19	0.00
Learning resource	90.43	4.26	2.66	2.66	0.00
Quality of delivery and assessment	88.30	7.98	3.72	0.00	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 45 students gave their feedback on curriculum for the academic year 2017-2018.
- ✓ 82% 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 84% 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 88% of them strongly agreed about the quality of delivery and the internal assessment for the specified programme.

Feedback analysis report

- ✓ Need more technical skill development program
- ✓ Special coaching to be arranged for weak students to complete their degree programme successfully
- ✓ Power point presentation technique very effective



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.



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: 2017-18

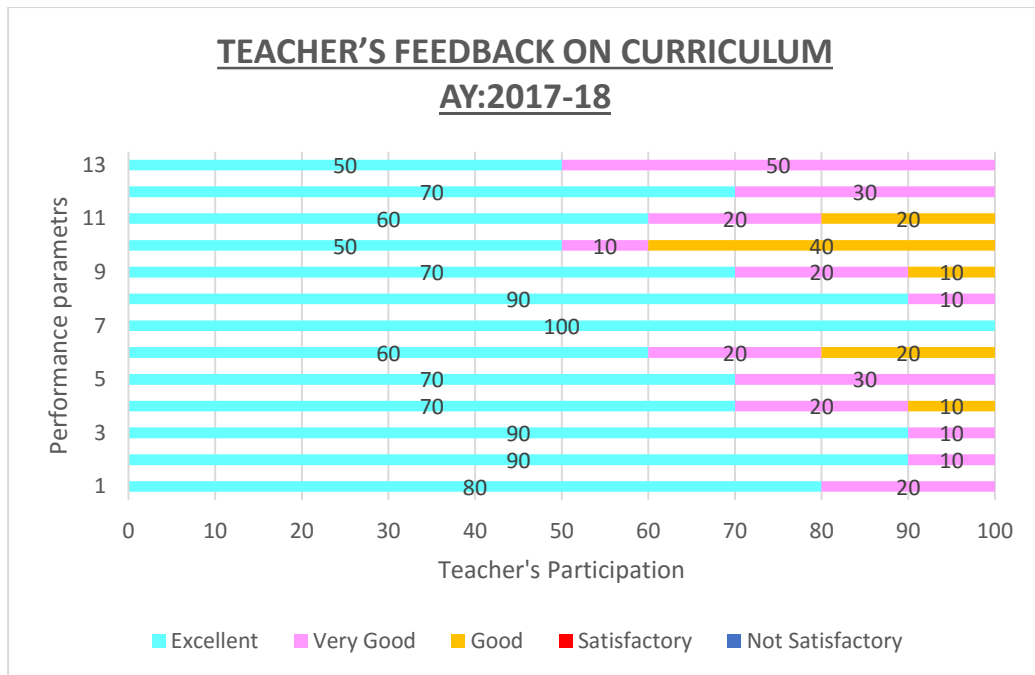
Vision of Department

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	80%	20%			
2.	Course objectives and Outcomes of the course are well defined and clear to faculty and students	90%	10%			
3.	Sufficient number of prescribed books are available in the library	90%	10%			
4.	The course has good balance between theory and application.	70%	15%	15%		
5.	The course has made me interested in the subject area.	70%	30%			
6.	The course has increased knowledge potential in its application	60%	20%	20%		
7.	Book facilities and other amenities like projectors, softwares etc., are available in the department	100%				
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.	90%	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	50%	10%	40%		
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).	70%	30%			
13.	Facilities are provided for teaching and to adopt current trends / research.	50%	50%			




TEACHER'S FEEDBACK ON CURRICULUM

Academic Year: 2017-18

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

- ✓ Suggested courses on communication skills and employability skills such as C and C++, Python , etc.,
- ✓ To participate in various technical events
- ✓ Value added courses to improve technical skills in the field of instrumentation and control engineering are planned.
- ✓ Advised the students to do online courses and workshops organized by reputed institutions.


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.



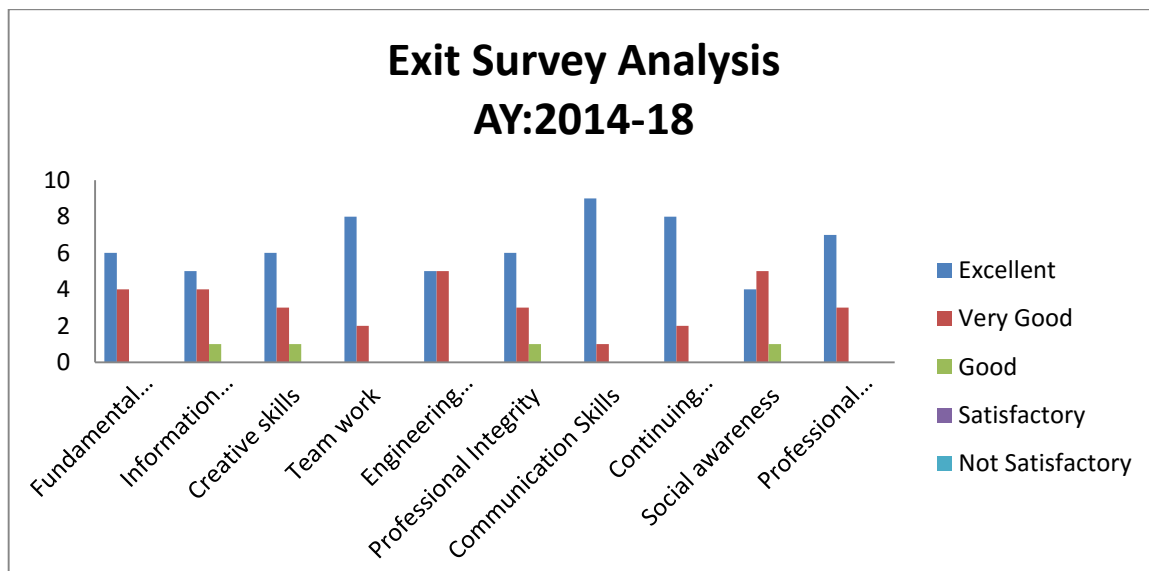
Form-III

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

EXIT SURVEY ANALYSIS

BATCH : 2014-18

Parameters	Excellent	Very Good	Good	Satisfactory	Not Satisfactory
Fundamental engineering analysis skill	6	4	0	0	0
Information retrieval skill	5	4	1	0	0
Creative skills	6	3	1	0	0
Team work	8	2	0	0	0
Engineering problem solving skills	5	5	0	0	0
Professional Integrity	6	3	1	0	0
Communication Skills	9	1	0	0	0
Continuing education awareness	8	2	0	0	0
Social awareness	4	5	1	0	0
Professional Development	7	3	0	0	0
Total	64	32	4	0	0



Analysis Report of Exit survey 2014-18 Batch

- ✓ Dedicated Faculty.
- ✓ Structured Placement training programs.
- ✓ Latest course need to be included
- ✓ Online portal notes and previous year university question paper with solutions very useful for average students
- ✓ Good exposure about opportunities.
- ✓ Need updated syllabus regarding to current scenario.
- ✓ Need more value added courses.
- ✓ Need more industry interaction.
- ✓ Additional classes to be conducted for degree incomplete students.



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.



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

Department of Instrumentation and Control Engineering

Alumni Survey

Academic Year: 2017-18

- ✓ Alumni feedback was obtained from nearly 16 alumni for the academic year 2017-18.
- ✓ 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.
- ✓ 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. The teaching is made more practical and interesting.
2. Apart from regular teaching, Social awareness and human values are imparted.
3. Various vocational and skill training programs organized

Weakness

1. Separate online NPTEL classes required
2. Need more industry interaction.
3. Mini projects have to be included in the curriculum.

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.



Form-V

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

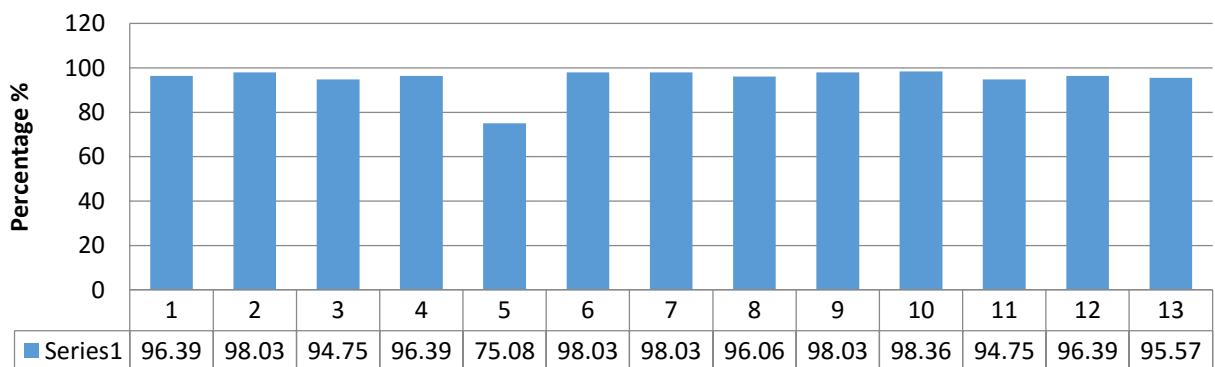
Students 'Feedback on Teacher

Analysis on Students 'Feedback on Teacher (17-18)

Name of the Faculty: Dr. E.Ahila Devi Subject : Measurement and Instrumentation
 Class: III Year

S.No	Questions	VG	G	SAT	POVP	TOTAL	OUT OF	%	
1	Teacher comes to the class on time and engages (with well prepared in the subjects) the classes till end.	50	11	0	0	0	294	305	96.39
2	Teacher speaks clearly and audibly.	55	6	0	0	0	299	305	98.03
3	Explanations are clear and effective and the proficiency in english.	45	16	0	0	0	289	305	94.75
4	Teacher is uploading in web portal immediately after completing the unit.	50	11	0	0	0	294	305	96.39
5	Teacher uses lcd in class	25	25	1	0	0	229	305	75.08
6	Teacher encourages questioning/ raising doubts by the students and answers them well.	55	6	0	0	0	299	305	98.03
7	Teacher works out more problems in the class	55	6	0	0	0	299	305	98.03
8	Teacher's courteous impartial and approachable in the class.	50	10	1	0	0	293	305	96.06
9	Teacher has control over the class and maintains discipline.	55	6	0	0	0	299	305	98.03
10	Teacher covers the syllabus completely at appropriate speed.	56	5	0	0	0	300	305	98.36
11	Teacher takes extra efforts for weak students.	45	16	0	0	0	289	305	94.75
12	Teacher is prompt and impartial in valuing and returning the answer scripts and providing feedback on student's performance.	50	11	0	0	0	294	305	96.39
							3498	3660	95.57

Performance analysis chart





St. JOSEPH'S COLLEGE OF ENGINEERING

Old Mamallapuram Road, Chennai-600119

Department of Instrumentation and Control Engineering

Academic Year 2017-18

Feedback Analysis of Stakeholders on curriculum and Actions Taken Report

S.NO	Stakeholder	Feedback	Actions Taken
1.	Student	<ul style="list-style-type: none"> ✓ More certification courses are needed. Required hands on session on advanced software tools 	<ul style="list-style-type: none"> ✓ Advised to register online courses offered by NPTEL
2.	Teacher	<ul style="list-style-type: none"> ✓ Faculty development programme (FDPs) are required to enhance teaching practices. 	<ul style="list-style-type: none"> ✓ Faculty members are encouraged to attend FDPs in other colleges.
3.	Alumni	<ul style="list-style-type: none"> ✓ Interactive learning needs to be implemented. ✓ Slow learners require extra time for studies. ✓ Need more focus on industry interaction 	<ul style="list-style-type: none"> ✓ NPTEL videos are shared to students ✓ Remedial Classes arranged
4.	Employers	<ul style="list-style-type: none"> ✓ Organizational skills of the students must be improved. 	<ul style="list-style-type: none"> ✓ Technical Fest organized
5.	Parents	<ul style="list-style-type: none"> ✓ On campus higher education training program ✓ Special classes for arrear students 	<ul style="list-style-type: none"> ✓ GATE, GRE, etc classes are arranged in the campus by ABHS ✓ Special classes are arranged every semester before the university examinations.

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.



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

Academic Year: 2017-18 (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
EI6701	Industrial Data Networks	Mr.K.Muthukumaran	96
EI6702	Logic and Distributed Control System	Dr.C.Selvakumar	92
IC6701	Digital Control Systems	Dr.M.Suresh	91
EE6006	Applied Soft Computing	Mrs.E.Ahila Devi	93
EI6704	Bio Medical Instrumentation	Mr.Vijaya RamRaj Rangam	92
GE6081	Fundamentals of Nanoscience	Mr.S.S.Harish	95

III YEAR

Sub Code	Name of the Subject	Name of the Staff	Feedback Percentage
EE6502	Microprocessor and Microcontroller	Mr.R.Siddhardhan	94
EE6503	Power Electronics	Mr.S.S.Harish	91
EI6501	Analytical Instruments	Dr.R.Kotteeswaran	94
EI6502	Industrial Instrumentation – I	Dr.T.Babu	93
IC6501	Control systems	Dr.C.Selvakumar	93
CS6401	Operating Systems	Mr.Manikandan	95

II YEAR

Sub Code	Name of the Subject	Name of the Staff	Feedback Percentage
MA6351	Transforms and Partial Differential	Dr.G.Meena Devi	93
EE6301	Digital Logic Circuits	Ms.T.Abimala	94
EI6301	Electrical Measurements	Dr.T.Babu	96
EC6202	Electronic Devices and Circuits	Mrs.E.Ahila Devi	95
EE6303	Linear Integrated Circuits and Applications	Mr.Vijaya RamRaj	93
GE6351	Environmental Science and Engineering	Ms.L.R.Swathika	92

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.



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

Academic Year: 2017-18 (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	93
		Ms.L.R.Swathika	93
EI6801	Computer Control of Process	Dr.C.Selvakumar	94
		Dr.R.Kotteeswaran	94
GE6075	Professional ethics in Engineering	Mrs.T.Abimala	92
		Mrs.R.Joylin Rini	92

III YEAR

Sub Code	Name of the Subject	Name of the Staff	Feedback Percentage
EI6601	Modern Electronic Instrumentation	Mrs.E.Ahila Devi	92
EI6602	Process Control	Dr.C.Selvakumar	91
EI6603	Industrial Instrumentation-2	Mr. Vijay RamRaj Rangan	90
IC6601	Advanced Control System	Dr.R.Kotteeswaran	92
EC6651	Communication Engineering	Mrs.E.Malarvizhi	94
EI6002	Power Plant Instrumentation	Mr.K.Muthukumaran	92

II YEAR

Sub Code	Name of the Subject	Name of the Staff	Feedback Percentage
EI6401	Transducer Engineering	Dr.T.Babu	96
EI6402	Electrical Machines	Mr.Umesh Prabhu	91
EE6403	Discrete Time Systems and Signal	Mr. K. Ramachandra Reddy	93
CS6456	Object Oriented Programming	Ms.Parkavi	93
EI6403	Applied Thermodynamics and Fluid	Mr.J.Mariyappan	93
MA6459	Numerical Methods	Ms. M. Methini	92

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.



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

Academic Year: 2017-18

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.

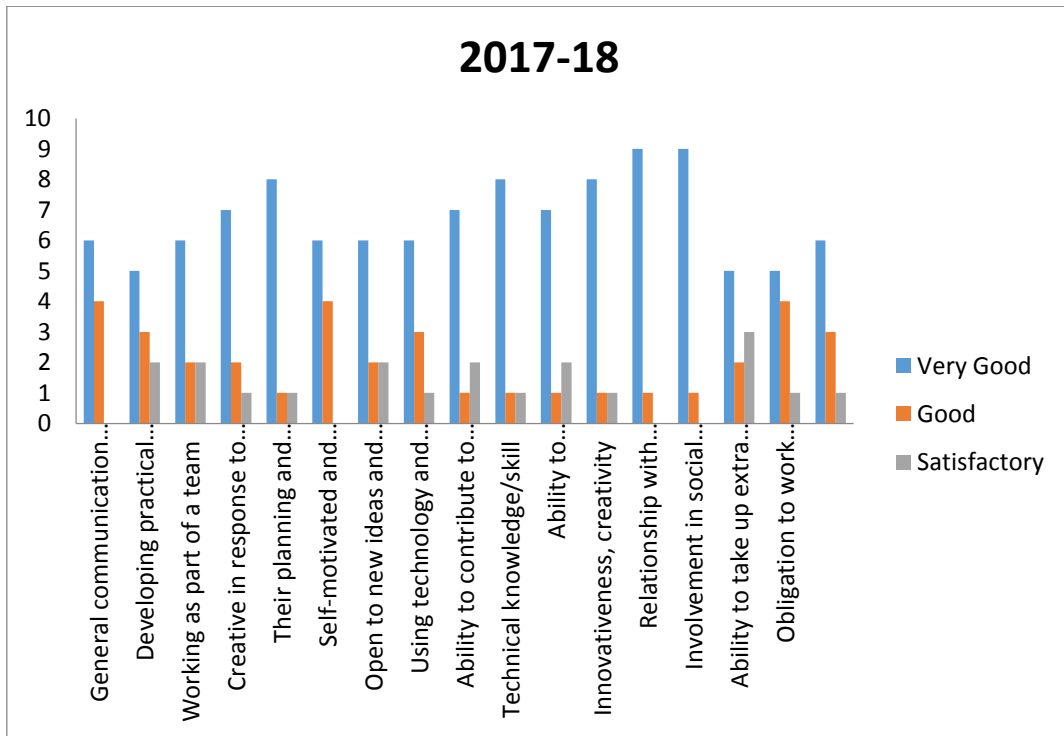
Mission of Department

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



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.



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

Academic Year: 2017-18

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.

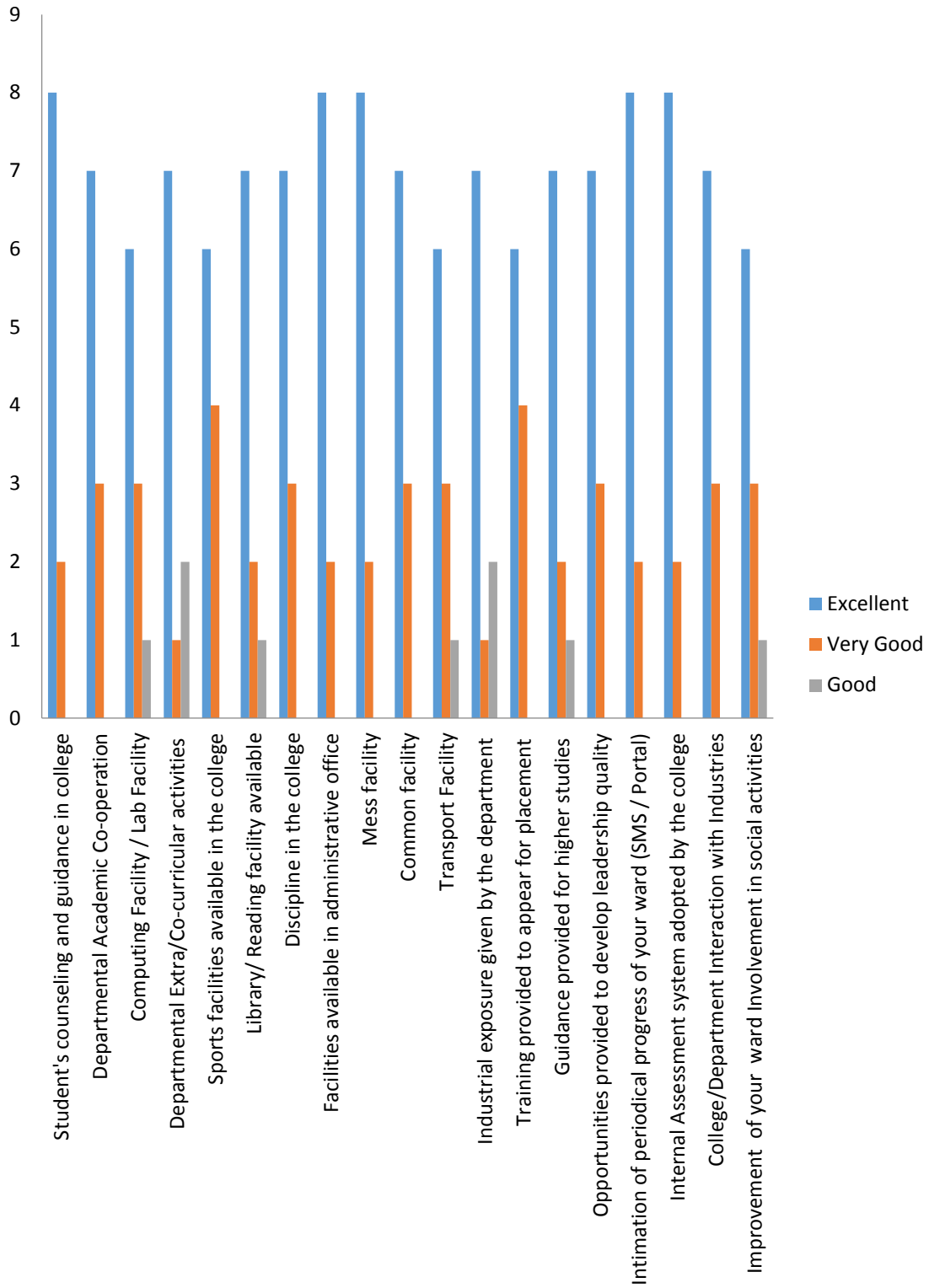
S.No.	Particulars	Grading				
		5	4	3	2	1
1.	Student's counseling and guidance in college	8	2			
2.	Departmental Academic Co-operation	7	3			
3.	Computing Facility / Lab Facility	6	3	1		
4.	Departmental Extra/Co-curricular activities	7	1	2		
5.	Sports facilities available in the college	6	4			
6.	Library/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

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.

2017-18



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.