



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

REPORT ON
STUDENT SATISFACTION SURVEY
Academic Year: 2017 - 2018

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1. Student Satisfaction Survey

IARE has always been on a high growth path. Institute has administered student satisfaction survey (SSS) in order to provoke student assessment and perspective regarding institutional services, internet facilities, library facilities, food quality, feel safe & security, sanitation & hygiene, values and innovation to ensure institutional educational accountability & Institutional transparency.

For the NAAC AQAR, Students Satisfaction Survey (SSS) regarding Teaching – Learning and Evaluation was conducted among the students of the institute through the website. The students will remain anonymous throughout the survey process. In SSS there would be twenty one questions all over and out of which, twenty questions would be objective type and one question provides opportunity for the students to give their observations / suggestions in a descriptive way to improve the overall teaching – learning experience in our institution. The questionnaire covers a wide array of skills involved in the teaching process which vary from teaching skills of the teacher, technical knowledge, effectiveness of communication, preparedness, doubt clearing skills and use of ICT, to overall approach to the educational process like motivation, interpersonal relationships, feedback, dynamically modifying teaching methodology to help weak students etc.,

The Questionnaire is based on the likert scale on a graded marking system. Highest positive response is rated as 4 and the lowest negative response is rated as 0. This removes the binary forced approach and provides a more comfortable wider range for students to register their opinion. The questionnaire is mailed to students through Google form.

A student will have to respond to all the questions given in the following format with her/his sincere effort and thought. The outcome of the survey will help to reach the objective of the institution. This will also help to initiate remedial action to improve the facilities whenever and wherever it is required. The result of the survey will provide a base to plan for the future. Her/his identity will not be revealed.

Totally 4040 students responded to Student Satisfaction Survey. The analysis of the survey conducted shows that, 2990 students were highly satisfied on the Teaching Learning Process of the institution. Students have expressed satisfaction over the syllabus covered in their classes and laboratories.

2. Questionnaire

**National Assessment and Accreditation Council (NAAC)
Student Satisfaction Survey
Key Indicator - 2.7.1
Under Criterion II of Teaching - Learning and Evaluation**

Guidelines for Students:

National Assessment and accreditation council (NAAC) is conducting a Student Satisfaction Survey regarding Teaching - Learning and Evaluation, which will help to upgrade the quality in higher education. A student will have to respond to all the questions given in the following format with her/his sincere effort and thought. Her/his identity will not be revealed.

- A) Please confirm this is the first and only time you answer this survey.
a) Yes b) No
- B) Age:
- C) College Name:
- D) Gender:
a) Female b) Male c) Transgender
- E) What degree program are you pursuing now?
a) Bachelor's b) Master's c) MPhil d) Doctorate
e) Other
- F) What subject area are you currently pursuing?
a) Arts b) Commerce c) Science
d) Professional e) Other:

Instructions to fill the questionnaire

- All questions should be compulsorily attempted.
- Each question has five responses, choose the most appropriate one.
- The response to the qualitative question no.21 is student' support unity to give suggestions or improvements; she/he can also mention weaknesses of the institute here. (Kindly restrict your response to teaching learning process only)

Criterion II: Teaching - Learning and Evaluation

Student Satisfaction Survey on Teaching Learning Process

Following are questions for online student satisfaction survey regarding teaching learning process.

1. How much of the syllabus was covered in the class?
 - 4 – 85 to 100%
 - 3 – 70 to 84%
 - 2 – 55 to 69%
 - 1– 30 to 54%
 - 0 –Below 30%
2. How well did the teachers prepare for the classes?
 - 4 –Thoroughly
 - 3 – Satisfactorily
 - 2 – Poorly
 - 1 – Indifferently
 - 0 – Won't teach at all
3. How well were the teachers able to communicate?
 - 4 – Always effective
 - 3 – Sometimes effective
 - 2 – Just satisfactorily
 - 1– Generally ineffective
 - 0– Very poor communication
4. The teacher's approach to teaching can best be described as
 - 4– Excellent
 - 3 – Very good
 - 2 – Good
 - 1 – Fair
 - 0– Poor
5. Fairness of the internal evaluation process by the teachers.
 - 4 – Always fair
 - 3 – Usually fair
 - 2 – Sometimes unfair
 - 1 – Usually unfair
 - 0– Unfair
6. Was your performance in assignments discussed with you?
 - 4 – Every time
 - 3 – Usually
 - 2 – Occasionally/Sometimes
 - 1 – Rarely
 - 0– Never
7. The institute takes active interest in promoting internship, student exchange, field visit opportunities for students.
 - 4 – Regularly
 - 3 – Often
 - 2 – Sometimes
 - 1 – Rarely

- 0– Never
8. The Teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.
- 4 – Significantly
 - 3 – Very well
 - 2 – Moderately
 - 1 – Marginally
 - 0– Not at all
9. The institution provides multiple opportunities to learn and grow.
- 4 – Strongly agree
 - 3 – Agree
 - 2 – Neutral
 - 1 – Disagree
 - 0– Strongly disagree
10. Teachers inform you about your expected competencies, course outcomes and programme outcomes.
- 4 – Every time
 - 3 – Usually
 - 2– Occasionally/Sometimes
 - 1 – Rarely
 - 0– Never
11. Your mentor does a necessary follow-up with an assigned task to you.
- 4 – Every time
 - 3 – Usually
 - 2 – Occasionally/Sometimes
 - 1 – Rarely
 - 0 – I don't have a mentor
12. The teachers illustrate the concepts through examples and applications.
- 4 – Every time
 - 3 – Usually
 - 2 – Occasionally/Sometimes
 - 1– Rarely
 - 0 – Never
13. The teachers identify your strengths and encourage you with providing right level of challenges.
- 4 – Fully
 - 3 – Reasonably
 - 2 – Partially
 - 1 – Slightly
 - 0– Unable to
14. Teachers are able to identify your weaknesses and help you to overcome them.
- 4 – Every time
 - 3 – Usually
 - 2 – Occasionally/Sometimes
 - 1 – Rarely
 - 0 – Never
15. The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.

- 4 – Strongly agree
 - 3 – Agree
 - 2 – Neutral
 - 1 – Disagree
 - 0 – Strongly disagree
16. The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem-solving methodologies for enhancing learning experiences.
- 4 – To a great extent
 - 3 – Moderate
 - 2 – Somewhat
 - 1 – Very little
 - 0 – Not at all
17. Teachers encourage you to participate in extracurricular activities.
- 4 – Strongly agree
 - 3 – Agree
 - 2 – Neutral
 - 1 – Disagree
 - 0 – Strongly disagree
18. Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.
- 4 – To a great extent
 - 3 – Moderate
 - 2 – Some what
 - 1 – Very little
 - 0 – Not at all
19. What percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching.
- 4 – Above 90%
 - 3 – 70 – 89%
 - 2 – 50 – 69%
 - 1 – 30 – 49%
 - 0 – Below 29%
20. The overall quality of teaching-learning process in your institute is very good.
- 4 –Strongly agree
 - 3 – Agree
 - 2 – Neutral
 - 1 – Disagree
 - 0 – Strongly disagree
21. Give three observation / suggestions to improve the overall teaching – learning experience in your institution.
- a)
 - b)
 - c)

Summary of the Survey

Program wise student participation in the survey

S. No	Name of the Program	No. of students
1	B.Tech - Aeronautical Engineering	521
2	B.Tech - Computer Science and Engineering	860
3	B.Tech - Information Technology	275
4	B.Tech - Electronics and Communication Engineering	947
5	B.Tech - Electrical and Electronics Engineering	281
6	B.Tech - Mechanical Engineering	499
7	B.Tech - Civil Engineering	445
8	M.Tech - Computer Science & Engineering	24
9	M.Tech - Embedded Systems	24
10	M.Tech - Structural Engineering	42
11	M.Tech - Computer Aided Design and Manufacture	16
12	M.Tech - Power Electronics and Electrical Drives	17
13	Master of Business Administration	89
	Total	4040

Analysis of the Student Satisfaction Survey

Student's Feedback - Teaching – Learning and Evaluation

S. No	Description	Average
1	Syllabus covered in the class	3.05
2	Teacher's preparation for the classes	3.03
3	Teacher's communication	3.02
4	Teaching approach	3.01
5	Internal evaluation process by the teachers	3.09
6	Discussion of Students performance in assignments	3.07
7	Internship, student exchange, field visit opportunities	3.1
8	Teaching and mentoring process to facilitates cognitive, social and emotional growth	3.1
9	Multiple opportunities to learn and grow	3.03
10	Information about expected competencies, course outcomes and program outcomes	3.07
11	Mentor follow-up with an assigned task to students	3.08
12	Teachers illustrate the concepts through examples and applications.	3.11
13	Teachers identify student strengths and encourage students with providing right level of challenges	3.12
14	Teachers are able to identify students' weaknesses and help students to overcome them.	3.07
15	Efforts taken to Students in monitoring, review and continuous quality improvement of the teaching learning process.	3.09
16	The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem-solving methodologies for enhancing learning experiences.	3.07
17	Teachers encourage students to participate in extracurricular activities	3.04
18	Efforts made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make students ready for the world of work	3.04
19	Percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching.	3.11
20	The overall quality of teaching-learning process in institute	3.1

Student's Feedback: Teaching – Learning and Evaluation

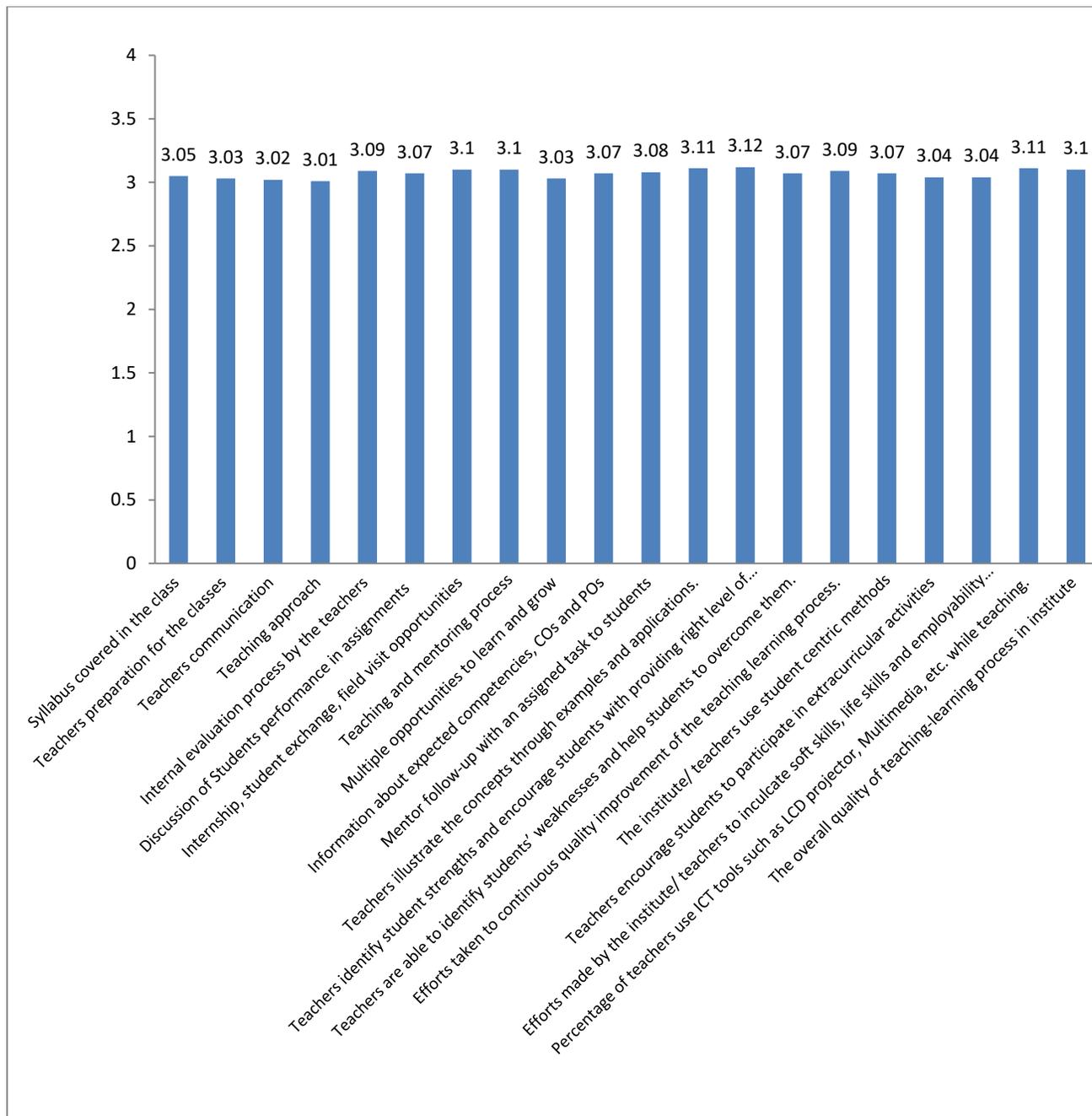


Fig: Student's Feedback on Teaching – Learning and Evaluation

Action Taken Report

S.No	Question	Response (%)	Threshold	Action taken	Evidence
1	How much of the syllabus was covered in the class?	99.4	10 % Fair and Poor	Faculty have completed the 100 % syllabus as per the Schedule of instructions prepared before the commencement of semester and is reviewed by HOD every month	Faculty Academic Audit, Self-Evaluation Document submitted by the faculty and evaluated by Academic audit committee
2	How well did the teachers prepare for the classes?	99.4	10 % Fair and Poor	Faculties are instructed to prepare topics and give real time examples along with case studies	Couse Descriptors, Lecture Notes, PPTs, question banks for respective courses
3	How well were the teachers able to communicate?	99.4	10 % Fair and Poor	The institution has a language lab on campus. Along with the students, faculty and staff members participate on a regular basis.	As Per Student Satisfaction Survey students were Satisfied
4	The teacher's approach to teaching can best be described as	99.4	10 % Fair and Poor	The faculties are using ICT tools to teach their subjects. Most of the programming courses are taught through demo and they follow pedagogy method of teaching in their class.	Faculty Academic Audit, Self-Evaluation Document submitted by the faculty and evaluated by Academic audit committee
5	Fairness of the internal evaluation process by the teachers.	99.4	10 % Fair and Poor	The internal evaluation process and transparency in the system is good	Scanned evaluated answer scripts are made available to students through Samvidha Campus Management Portal.
6	Was your performance in assignments discussed with you?	99.4	10 % Fair and Poor	Assignment evaluated by staff, the performance of the students in assignments informed and discussed with students during tutorial class.	Assignment marks available in student logins
7	The institute takes active interest in promoting internship, student exchange, field visit opportunities for students.	99.4	10 % Fair and Poor	MoU's signed with industries for interternships and industrial visits and are arranged periodically.	% of Student participation in internship/field project programs
8	The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.	99.4	10 % Fair and Poor	Institution has policy of teacher and mentor for every 20 students to monitor the performance and to address the students' needs	Student counseling information in Green Book

9	The institution provides multiple opportunities to learn and grow.	99.4	10 % Fair and Poor	Through workshops, seminars and conferences in inter/intra college were conducted and students participate actively. Resource persons from reputed organization were invited to address the students.	Events/ activities organized under different categories
10	Teachers inform you about your expected competencies, course outcome and programmer outcomes	99.4	10 % Fair and Poor	Main academic indicators of the expected competencies, course outcomes and program outcomes are well informed and circulated through OBE booklets to motivate student's effective learning	OBE booklet
11	Your mentor does a necessary follow-up with an assigned task to you.	99.4	10 % Fair and Poor	Overall, 90% of students satisfied with our mentoring system, since We are following it effectively through periodic meetings. Mentors counsel the slow learners to figure out their issues and special classes are conducted to improve their learning	Green book information
12	The teachers illustrate the concepts through examples and applications.	99.4	10 % Fair and Poor	Faculty are advised to explain the concepts with real time applications and assign the innovative work to the students related to real time case study	Self-Evaluation Document submitted by the faculty and evaluated by Academic audit committee
13	The teachers identify your strengths and encourage you with providing right level of challenges.	99.4	10 % Fair and Poor	Every individual teaching faculty identifies and encourages the students based on their strength	Student participation in Bos, IQAC committee, Student council, Paper presentations, participation in national / international competitions
14	Teachers are able to identify your weaknesses and help you to overcome them.	99.4	10 % Fair and Poor	Mentor-mentee system is established to identify student's weakness periodically and they are guided in overcoming it.	Slow learner identification and Remedial classes conducted
15	The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.	99.4	10 % Fair and Poor	Students also the members of some committees. In CRs meetings students discuss about teaching learning process	Student participation in CR meetings, BoS, IQAC committee, Student council

16	The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem-solving methodologies for enhancing learning experiences	99.4	10 % Fair and Poor	Students are encouraged in project based learning and experiential learning which makes the learning easy, understandable and interesting.	Curriculum includes project-based learning, Research based Laboratories
17	Teachers encourage you to participate in extracurricular activities.	99.4	10 % Fair and Poor	Encourage the students to participate in extracurricular activities. Students are advised to join various bodies like IEL, IEEE, ISTE, SAE, etc Overall, 88% of students agree that we are encouraging the students to participate in extracurricular activities	Professional society memberships and activities. Student participation in Sports, cultural activities
18	Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.	99.4	10 % Fair and Poor	Steps taken to organize different Seminars, workshops, invited lectures to train our students to improve their soft skill and employability skills. A team of faculty members are made to involve in providing skill enhancement programs and training on placement from 3 rd year onwards	Career Development Center activities
19	What percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching	99.4	10 % Fair and Poor	The faculties are motivated for using ICT tools to deliver lecture, real time Demo for practical courses for all subjects. All Class rooms were equipped with ICT facilities	Usage of PPT in the class room for lecture
20	The overall quality of teaching-learning process in your institute is very good.	99.4	10 % Fair and Poor	Improved the quality of teaching learning process, integrate technology into the classroom, with students centric learning which help the students learn better and faster.	Student satisfaction survey report

Action taken on Observation / Suggestions

S. No	Verbatim Response/Suggestion	Action taken	Evidence
1	Teachers should complete total syllabus	Faculty are informed to cover the total syllabus within the stipulated time by taking extra classes, if there is any need.	In academic report status of completion of syllabus is verified.
2	Syllabus should be upgraded to make it more applicable and career-oriented.	The curriculum is revised every two years to meet the stake holder's requirements. The new curriculum is framed such that it provides scope for the student to explore the recent trends in the technology and be ready to fit in the technological world.	R18 regulation & Curriculum to UG and PG.
3	Communication of students is not up to the mark	Special focus of improving communication skills of the students is made. For this, CDC has organized special classes and seminars for students.	Improved number of placements.

PRINCIPAL