



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad – 500 043

REPORT ON
STUDENT SATISFACTION SURVEY
Academic Year: 2018 - 2019

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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 4379 students responded to Student Satisfaction Survey. The analysis of the survey conducted shows that, 3295 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

NAAC (**National Assessment and accreditation council**) 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 program 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)

3. 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	495
2	B. Tech. Computer Science & Engineering	968
3	B. Tech.-Information Technology	336
4	B. Tech.-Electronics and Communication Engineering	1017
5	B. Tech.-Electrical and Electronics Engineering	364
6	B. Tech.-Mechanical Engineering	507
7	B. Tech.-Civil Engineering	489
8	M. Tech. Computer Science and Engineering	28
9	M. Tech. Embedded Systems	16
10	M. Tech. Structural Engineering	38
11	M. Tech. Computer Aided Design and Manufacture	17
12	Master of Business Administration	104
	Total	4379

4. Analysis of the Student Satisfaction Survey

Student's Feedback - Teaching – Learning and Evaluation

S. No	Description	Average
1	Syllabus covered in the class	3.1
2	Teachers preparation for the classes	3.11
3	Teachers communication	3.08
4	Teaching approach	3.07
5	Internal evaluation process by the teachers	3.09
6	Discussion of Students performance in assignments	3.09
7	Internship, student exchange, field visit opportunities	3.07
8	Teaching and mentoring process to facilitates cognitive, social and emotional growth	3.07
9	Multiple opportunities to learn and grow	3.07
10	Information about expected competencies, course outcomes and program outcomes	3.07
11	Mentor follow-up with an assigned task to students	3.1
12	Teachers illustrate the concepts through examples and applications.	3.07
13	Teachers identify student strengths and encourage students with providing right level of challenges	3.06
14	Teachers are able to identify students' weaknesses and help students to overcome them.	3.09
15	Efforts taken to Students in monitoring, review and continuous quality improvement of the teaching learning process.	3.06
16	The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem-solving methodologies for enhancing learning experiences.	3.06
17	Teachers encourage students to participate in extracurricular activities	3.09
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	3.08
19	Percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching.	3.04
20	The overall quality of teaching-learning process in institute	3.07

Student's Feedback - Teaching – Learning and Evaluation

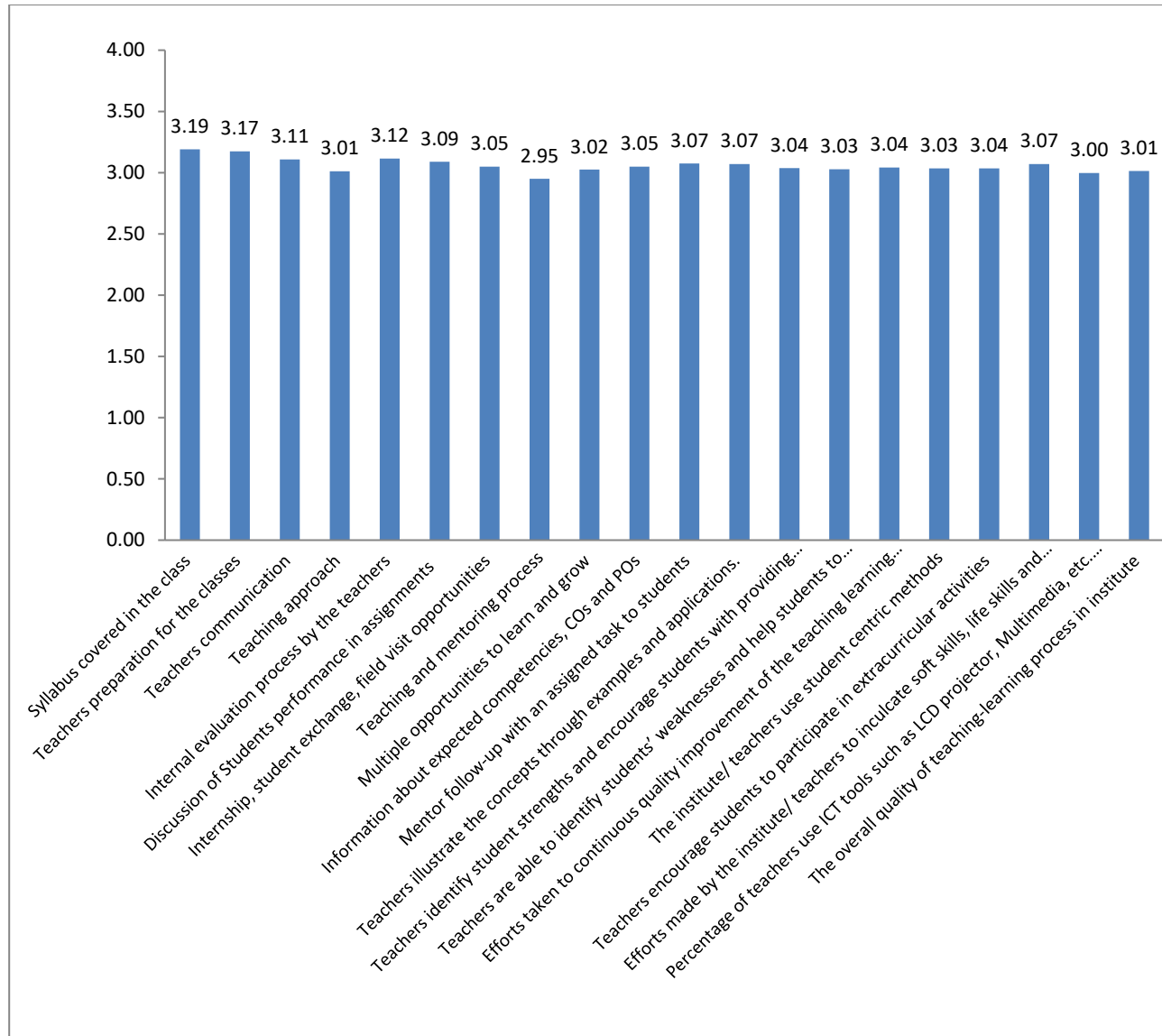


Fig: Student's Feedback on - Teaching – Learning and Evaluation

5. Action Taken Report

S. No	Question	% of Response	Threshold	Action taken	Evidence
1	How much of the syllabus was covered in the class?	99.8	8 % Fair and Poor	The Schedule of instructions was fixed comprising the sequence of topics, internal examinations schedule according to the academic calendar, HoD monitored regular classes conducted by faculty and periodically feedback taken from the students regarding to the syllabus coverage and syllabus was fully should covered before the semester examinations	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?	99.8	8 % Fair and Poor	Well before the commencement of the class work, the faculty prepared for the classes by referring information from Indian and foreign author books, websites, browsing through internet.	Couse Descriptors, Lecture Notes, PPTs, question banks for respective courses
3	How well were the teachers able to communicate?	99.8	8 % Fair and Poor	The Institution is permitting the faculty to develop their communication and technical skills by Sending teachers for various faculty development programs. Faculty teaching only in English as it is the medium of instruction.	Student Satisfaction Survey Report
4	The teacher's approach to teaching can best be described as	99.8	8 % Fair and Poor	Students were provided with a variety of teaching materials (charts, models, e-books etc). Faculty members conducted more tutorial classes to improve knowledge of students. Faculty members real time examples, day to day illustrations which application oriented, involved the students for better interaction. Overall good teaching has been done	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.	99.8	8 % Fair and Poor	Each semester, two internals will be conducted. Each time, the evaluation process is transparent, and students have access to answer papers and the option of reevaluation	Scanned evaluated answer scripts are made available to students through Samvidha Campus Management Portal.
6	Was your performance in assignments discussed with you?	99.8	8 % Fair and Poor	Minimum 2 assignments are given for each subject and performance in the assignments are discussed with them	Assignment marks available in student logins

7	The institute takes active interest in promoting internship, student exchange, field visit opportunities for students.	99.8	8 % Fair and Poor	encouraging the students to attend industrial visits, internships and In-plant training for every year to improve their industrial knowledge in Reputed Industries and also industries that are signed MoU's with our institution	% 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.	99.8	8 % Fair and Poor	The mentoring system is already established. Faculty is given responsibility of mentoring a group of students for all four years of their study Regular meetings are held and the problems of students are attended with care for personal, social, sensitive and emotional growth the institute provide necessary facility and addressed immediately	Student counseling information in Green Book
9	The institution provides multiple opportunities to learn and grow.	99.8	8 % Fair and Poor	Institution provides multiple opportunity to learn and grow in Extra-curricular & Co-curricular actives, besides academic.	Events/ activities organized under different categories
10	Teachers inform you about your expected competencies, course outcome and programmer outcomes	99.8	8 % Fair and Poor	The students are informed the course outcomes, competencies and PO's during the regular class work by the faculty	OBE booklet
11	Your mentor does a necessary follow-up with an assigned task to you.	99.8	8 % Fair and Poor	Meetings of mentor-wards are conducted frequently Any issues are brought forward to the notice of higher-ups	Green book information
12	The teachers illustrate the concepts through examples and applications.	99.8	8 % Fair and Poor	Faculty is instructed to explain the concepts in real-time approach for better learning of the students	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.	99.8	8 % Fair and Poor	The strength of individual student is identified and motivated effectively to get better outcome.	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.	99.8	8 % Fair and Poor	Teachers were able to identify the weakness of the students and proper counseling has been given to them regarding their academics and extra-curricular activities	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.	99.8	8 % Fair and Poor	Some of the students are participating as members in academic committees. Consider their opinions on curriculum development for improvement of the 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	99.8	8 % Fair and Poor	help our students and partners to develop innovative products and services based on advanced technologies; and we guide new entrepreneurs through creating companies with effective business plans to attract investment and create value. They are also given task of making models and submit them as innovative assignments By making the students organize symposia they are able to learn managerial, technical and other related skills	TIIC activities
17	Teachers encourage you to participate in extracurricular activities.	99.8	8 % Fair and Poor	The students are encouraged to participate in extracurricular activities including sports activities and other cultural activity. This includes their participation in inter college zonal, university, national, state and international levels.	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.	99.8	8 % Fair and Poor	Soft skill training is given to students. Well-defined mechanism is in existence to promote innovative & entrepreneurial skills. Training on promoting computing skills, communication skills and decision-making skills are in vogue to enhance employability skills of the students.	Career Development Center activities

19	What percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching	99.8	8 % Fair and Poor	The faculties are motivated for using ICT tools to deliver lecture, real time Demo for practical courses for all subjects	Using PPT in the Classroom
20	The overall quality of teaching-learning process in your institute is very good.	99.8	8 % Fair and Poor	The management has taken necessary steps to improve facilities of overall quality of teaching-learning process in our institute • The teaching and learning process in the institute with the implementation of modern and distinctive pedagogical methods	Student satisfaction survey report

Action taken on observation / suggestions

S. No	Verbatim Response/Suggestion	Action taken	Evidence
1	Technology updates are needed	Value added courses by pioneers in the industry are conducted every semester	Regulation and curriculum
2	Encourage students and allow them for the internships	More MOUs are signed with core companies. From the Current academic Year mandatory internship/field project/in-plant training is implemented to all the students. Students need to opt any of them and submit a detailed report to the HoD.	MoUs with National and International organizations / Universities.
3	Need more number of highly qualified faculty for better teaching learning	More number of Ph.D faculty are recruited by providing them with ample opportunities for research and high pay for deserving candidates.	Increase in No. of Ph. D candidates.
4	Better course resources	In order to students equipped with better course resources through e-learning Content Management Portal i.e., AKANKSHA, indigenously developed by the Institute.	Course material available in AKANKSHA

PRINCIPAL