



Army Institute Of Technology (AIT), Dighi Camp, Pune - 15.

Director : 7249250115, Joint Director : 7249250117, Principal : 7249250186


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Recognised by AICTE and DTE Maharashtra and affiliated to Savitribai Phule Pune University

Action Taken On Feedback from Students For all assessment years (2018-19 to 2022-23)




Principal
Army Institute of Technology
Dighi Hillis, Pune - 411015



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2022-23

Summary of Action Taken

Teachers' participation in Faculty Development Programs (FDPs) has significantly contributed to improvements across various parameters based on student feedback. Following are some of the FDPs that were conducted in the year 2022-23, that may have had a positive impact on the faculty feedback:

1) **Inculcating Universal Human Values:**

This program enhanced teachers' understanding of fostering positive attitudes and behaviors, positively influencing parameters such as attitude towards students, maintaining class discipline, and overall interest in the subject.

2) **Outcome-based Education through Student-Centric Teaching-Learning Process:**

The focus on outcome-based education and student-centric teaching processes led to adjustments in methodologies aligned with student needs. This likely influenced rating in teaching methodology, ability to explain subject matter, and overall interest in the subject.

3) **Inspiring India in Research, Innovation, and STEM Education:**

Collaborating with CSIR National Chemical Lab on IP and Knowledge Management exposed teachers to practical applications, improving parameters like presentation, quality of assignments, and syllabus coverage. This also enhanced communication skills.

4) **Workshop on Digital Creativity Skills**

This workshop was aimed to equip faculties with the necessary skills and knowledge to better integrate digital creativity into their teaching practices and provide them with practical strategies, tools and templates to engage and inspire the students

5) **Effective teaching.**

It was intended to familiarize the teachers to be well equipped not only with subject knowledge but also be well acquainted with effective teaching techniques and evaluation methods.

To enhance the subject matter knowledge and pedagogical skills faculties were also encouraged to attend the FDPs on core subjects listed below:

1. VLSI Design & Nano electronics: Emerging Challenges & Opportunities
2. Performance Analysis of Wireless Communication System
3. Advances in 5G and Next Generation Networks (5GNGN)
4. Basic of Electrical Vehicle and its Design Process
5. Modelling & Simulation of Renewable Energy Systems
6. Training on AWS IOT Core Using Industry Grade Microcontroller
7. Internship on "Embedded Systems-ARM & Arduino
8. Workshop on Data Analytics for all faculty
9. Recent Trends in Computation
10. Emerging Research Trends in Computing Technologies
11. Augmented & Virtual Reality with Data Science
12. Deep Learning" in association with CSI & IEEE




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Activities conducted for better results and holistic development:

Better results

- Class tests and assignments are regularly taken for each subject.
- Reducing Student Absenteeism by Tracking and Evaluating Attendance Data
- Remedial classes for weak students are conducted regularly.
- Complimenting students for their performance makes them feel as if they are valued as individuals and can provide a spark that encourages them to try harder and perform beyond expectations. Institute makes a concerted effort to find the strengths in students and compliment them on their performance by giving them following awards:
 - Best outgoing student
 - First in Merit of final year Girl Students in Academic
 - Award for Academic excellence (Passed out students)
 - Scholarships for Academic excellence
 - Scholarships for Needy children of Retired OR
 - Best sports person
 - Best library user student
 - Best attendance

Holistic development

- Education cannot be effective unless it helps a student open up himself to life. To achieve this the institute has fosters following process regularly:
- Counseling process: Every teacher has a batch of 15-20 students under him/her. The teachers interact with his/her counseling batch on weekly basis and ensure a one to one interaction 4 – 5 times in a semester. Teacher counsels each student and monitors his/ her progress. If in some cases a need of professional counseling is felt, then the student is counseled by a professional counselor.
- Student mentor system: Four or five first year students are placed under mentorship of a second year student. This student provides the first year student guidance and




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advice after college hours. The second year student is carefully selected based on recommendation of his/her counselor regarding suitability as a mentor.

- Sports Activities and Clubs
- College has various clubs which are responsible for conducting different intra-college & intercollegiate activities. Each club has faculty in-charges and student secretaries to guide the students.
- For improving the educational experience students, teachers, parents, and alumni are made to openly share and express ideas by holding meetings and communication forums.
- Directors address
- Parents meet
- Alumni meet
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 - Scholarships for Academic excellence
 - Scholarships for Needy children of Retired OR
 - Best sports person
 - Best library user student
 - Best attendance
 - Yoga and Mindfulness
 - Role Play.




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Activities conducted for raising social consciousness:

- Social awareness helps students build a more nuanced and accurate understanding of the world around them.
- The NSS club of our institute aims at developing amongst students a sense of participation in nation building through Social Work. This deepens understanding of the social environment and enriches his/her personality through actual participation in day-to-day life of the society. This process of learning is not only a desirable supplement to the classroom education but develops in the student a sense of responsibility, tolerance and cooperation. The NSS plays a vital role in the development of the latent aspects of the student's personality.
- The NSS indulges in a wide range of activities, which includes the regular activities and the special camping programme.
 - Raksha Bandhan celebration with visually impaired and orphan students.
 - Cleanliness drive within AIT campus
 - Independence Day celebration
 - Blood donation camp
 - Candle march 6 International women's day celebration
 - Para Athletics championship
 - Visit to para rehabilitation centre
 - Singhad fort cleaning drive
 - Food donation drive during the Alandi Yatra
 - Cleaning drive
- FE Induction program conducted for all first year students includes modules on Universal Human values, Environmental science.

Activities conducted for promoting eco-consciousness and sustainability:

- Modules on Environmental science and sustainability were included in the Induction program for all first year students




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Overall Impact:

These programs collectively equipped teachers with technical skills and a holistic approach to education. Instilling universal human values, promoting student-centric teaching, and encouraging research and innovation have positively impacted the learning environment. The improved ratings in student feedback reflect a direct link between professional development and enhanced teaching effectiveness.




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2021-22

SEM-I

Summary of Action Taken

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1) **Inculcating Universal Human Values:**

This program enhanced teachers' understanding of fostering positive attitudes and behaviors, positively influencing parameters such as attitude towards students, maintaining class discipline, and overall interest in the subject.

2) **Outcome-based Education through Student-Centric Teaching-Learning Process:**

The focus on outcome-based education and student-centric teaching processes led to adjustments in methodologies aligned with student needs. This likely influenced ratings in teaching methodology, ability to explain subject matter, and overall interest in the subject.

3) **Inspiring India in Research, Innovation, and STEM Education:**

Collaborating with CSIR National Chemical Lab on IP and Knowledge Management exposed teachers to practical applications, improving parameters like presentation, quality of assignments, and syllabus coverage. This also enhanced communication skills.

Overall Impact:

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Summary of Action Taken

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2021	Student	Feedback for arranging expert lecture on Entrepreneurship	We arranged Webinar on "Entrepreneurship A Way to Life"	This helps students to get basics requirement and knowledge of Entrepreneurship.
2021	Student	Overall interest created in subject & motivation to learn the subject.	Arranged Webinar on "Design Thinking"	These help students to improve knowledge of solving the problem statement practically.
2021	Student	The syllabus coverage in time and coverage of contents beyond syllabus.	Arranged workshop on Web App Development using Django Framework & Python.	This improves student's hands on practice on web App Development.
			Faculty and student attended Seminar on Introduction to IPR	These help students to get knowledge of IPR to improve their basic concepts.
			Faculty attended Orientation Program on revised syllabus of TE-IT(2019 course)	This help faculty to know introduction of new concept in syllabus and improve their teaching learning concepts.

Activities conducted for better results and holistic development:

- Conducted class test for each theory subject with some of faculty given the assignment for the same.
- Conducted mock test for the practical subjects.
- Arranged various workshop for better understanding of student.

Activities conducted for raising social consciousness:

- Conducted various activities under HSS- Humanity and Social sciences

Activities conducted for promoting eco-consciousness and sustainability:

- Conducted various activities under Code of Conduct, Audit Courses.




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SEM-II

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2022	Student	Feedback for arranging expert lecture on "PIC Interfacing"	We arranged Expert session on "PIC Interfacing"	This helps students to get depth knowledge in difficult subject.
2022	Student	Require arranging workshop on "Ubiquitous and Computer vision".	Faculty attended Training on Workstation and Embedded Deployment Kits-Ubiquitous and Computer vision Lab .	Increased hands on practice of the subject with respect to practical implementation.
2022	Student	The coverage of contents beyond syllabus.	Faculty attended "Workshop on IoT".	This help faculty to improve implementation skill of theory contents into lab assignments.
2022	Student	Overall interest created in subject & motivation to learn the subject.	Expert Session on Arm and RISC Processor Details for SE students.	Increased subject interest of students.
			Faculty attended and resource person for DSBDA & DS&BDA lab TEIT 2019 pattern subject	This improves Quality of Lab assignments demonstrations in practicals.

Activities conducted for better results and holistic development:

- Conducted class test for each theory subject with some of faculty given the assignment for the same.
- Conducted mock test for the practical subjects.
- Arranged various workshop for better understanding of student.

Activities conducted for raising social consciousness:

- Conducted various activities under HSS- Humanity and Social sciences

Activities conducted for promoting eco-consciousness and sustainability:

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2020-21

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2020	Student	Require arranging session for “Time management “	Arranged workshop on “Webinar on "How to utilize your college time to achieve any goal, Jobs Vs Masters/PhD".	Increased hands on practice of the subject with respect to practical implementation.
2020	Student	The coverage of contents beyond syllabus	Faculty attended 2 Days National level workshop on Introduction to Block chain.	This helps students to get depth knowledge in difficult subject.
2020	Student	Overall interest created in subject & motivation to learn the subject	Faculty attended Administrator Training on AI/DL machine, Workshop on user training on AI/DL machine Some faculty attended 3 days “Workshop on Web Development” Faculty attended Object Oriented Programming & Object Oriented Programming at Laboratory”, 2020,	This help faculty to increased student’s subject interest and improve subject contends to be taught in lab .

Activities conducted for better results and holistic development:

- Conducted class test for each theory subject with some of faculty given the assignment for the same.
- Conducted mock test for the practical subjects.
- Arranged various workshop for better understanding of student.

Activities conducted for raising social consciousness:

- Conducted various activities under HSS- Humanity and Social sciences Activities conducted for promoting eco-consciousness and sustainability:
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Overall Impact:

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student feedback reflect a direct link between professional development and enhanced teaching effectiveness.

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Year	Stakeholder	Feedback Received	Action taken	Impact
2021	Student	Feedback for arranging Seminar on "Hands-On session on Latex"	We arranged Seminar on "Hands-On session on Latex"	This helps students to get extra knowledge to improve their academic /carrier performance.
2021	Student	The coverage of contents beyond syllabus	Faculty attended 2 days FDP on "Evaluation of Deep Learning Models on High Performance Computer"	Increased hands on practice of the subject with respect to practical implementation.
2021	Student	Overall interest created in subject & motivation to learn the subject.	Faculty attended Faculty Orientation Program on Processor Architecture and Programming	This help to increased subject interest and to know the importance of subject in syllabus.

Activities conducted for better results and holistic development:

- Conducted class test for each theory subject with some of faculty given the assignment for the same.
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2019-20

SEM-I

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3) Inspiring India in Research, Innovation, and STEM Education:

Collaborating with CSIR National Chemical Lab on IP and Knowledge Management exposed teachers to practical applications, improving parameters like presentation, quality of assignments, and syllabus coverage. This also enhanced communication skills.

Overall Impact:

These programs collectively equipped teachers with technical skills and a holistic approach to education. Instilling universal human values, promoting student-centric teaching, and encouraging research and innovation have positively impacted the learning environment. The improved ratings in student feedback reflect a direct link between professional development and enhanced teaching effectiveness.




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2019	Student	Feedback for arranging expert Carrier Strategy.	We arranged Guest lecture on “Carrier Strategy- Creating your own Personal Brand”	This helps students to know variety of opportunities in their carrier.
2019	Student	Teaching methodology	Faculty attended course on “Object Oriented Programming by IIT Bombay”	This help faculty to add on new concepts and new teaching technology to cover difficult concepts.
2019	Student	Overall interest created in subject & motivation to learn the subject.	Faculty attended FDP on “Machine Learning To Deep Learning For Data Analytics Using Python”	This help faculty to increased subject interest of students and also students get deeper knowledge of difficult subjects.
			Some faculty attended FDP on “Data Science ,Python programming.	
			Some faculty attended FDP on “VLSI chip design Hands-on using open source EDA ”.	

Activities conducted for better results and holistic development:

- Conducted class test for each theory subject with some of faculty given the assignment for the same.
- Conducted mock test for the practical subjects.
- Arranged various workshop for better understanding of student.

Activities conducted for raising social consciousness:

- Conducted various activities under HSS- Humanity and Social sciences

Activities conducted for promoting eco-consciousness and sustainability:

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2020	Student	To improve ability to explain subject matter and clear doubts.”	Faculty attended FDP on “Practical Approaches of Artificial Neural Network and Deep Learning”.	This help faculty to explain difficult concepts of the subject in easy way and clear the doubts.
2020	Student	Syllabus coverage in time and coverage of contents beyond syllabus.	Faculty attended SE IT Syllabus Revision workshop	This help faculty to cover syllabus in stipulated time period.
2020	Student	To improve teaching methodology used during teaching.	Faculty attended FDP on “Machine learning with tensor flow” Faculty attended FDP on “ICT tools for Teaching, Learning process and Institutes, ICT tools for Teaching , Learning process.	This help faculty to add on different practical methodology during lab sessions.

Activities conducted for better results and holistic development:

- Conducted class test for each theory subject with some of faculty given the assignment for the same.
- Conducted mock test for the practical subjects.
- Arranged various workshop for better understanding of student.

Activities conducted for raising social consciousness:

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2018-19

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2018	Student	Feedback for arranging workshop on Machine Learning using Python and IOT using Python	We arranged workshop on “Machine Learning using Python and IOT using Python”	This helps students to get depth practical knowledge in difficult subject.
2018	Student	Quality of assignments demonstrations	We arranged CO-PO NBA Workshop for faculty.	This help faculty to design test paper and assignment as per NBA CO PO requirement norms.
2018	Student	The coverage of contents beyond syllabus	Arranged guest lecture Python Certification for web Development and Machine Learning for students.	This help students to understand the subject concept in depth with practical Approaches.
2018	Student	Overall interest created in subject & motivation to learn the subject.	Arranged webinar on “Opportunities in Machine Learning and Big data for students.	This increased subject interest of students.
2018	Student	Teaching methodology	Faculty attended Hands-on Methodology on OBE implementation	This likely influenced ratings in teaching methodology, ability to explain subject matter, and overall interest in the subject.

Activities conducted for better results and holistic development:

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- Conducted mock test for the practical subjects.
- Arranged various workshop for better understanding of student.

Activities conducted for raising social consciousness:

- Conducted various activities under HSS- Humanity and Social sciences

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Summary of Action Taken

Year	Stakeholder	Feedback Received	Action taken	Impact
2019	Student	Teaching Methodology	Faculty attended FDP on ERP awareness	This FDP help faculty to improve their presentation skill and teaching methodology.
2019	Student	Syllabus coverage in time and coverage of contents beyond syllabus.	Faculty Development Program (NPTEL) (Attended), Deep Learning Part 1	Students become able to apply the theoretical knowledge into practical applications.
2019	Student	To improve ability to explain subject matter and clear doubts	Faculty attended FDP on Practical Approaches of Artificial Neural Network & Deep Learning”	This helps faculty to explain difficult subject with more practical approaches in easy manner.
2019	Student	Overall interest created in subject & motivation to learn the subject.	Faculty attended FDP Mathematical Modelling approach towards Data Science" Faculty attended 2 Days workshop on Big data and Hadoop,	This helps faculty to increase Overall interest in subject & motivation to learn the subject.

Activities conducted for better results and holistic development:

- Conducted class test for each theory subject with some of faculty given the assignment for the same.
- Conducted mock test for the practical subjects.
- Arranged various workshop for better understanding of student.

Activities conducted for raising social consciousness:

- Conducted various activities under HSS- Humanity and Social sciences

Activities conducted for promoting eco-consciousness and sustainability:

- Conducted various activities under Code of Conduct, Audit Courses.




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Year	Stakeholder	Feedback Received	Action taken	Impact
2018	Student	Feedback for arranging workshop on Machine Learning using Python and IOT using Python	We arranged workshop on “Machine Learning using Python and IOT using Python”	This helps students to get depth practical knowledge in difficult subject.
2018	Student	Quality of assignments demonstrations	We arranged CO-PO NBA Workshop for faculty.	This help faculty to design test paper and assignment as per NBA CO PO requirement norms.
2018	Student	The coverage of contents beyond syllabus	Arranged guest lecture Python Certification for web Development and Machine Learning for students.	This help students to understand the subject concept in depth with practical Approaches.
2018	Student	Overall interest created in subject & motivation to learn the subject.	Arranged webinar on “Opportunities in Machine Learning and Big data for students.	This increased subject interest of students.
2018	Student	Teaching methodology	Faculty attended Hands-on Methodology on OBE implementation	This likely influenced ratings in teaching methodology, ability to explain subject matter, and overall interest in the subject.

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