Criterion VII – Institutional Value and Best Practices

7.2 – Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution

Best practices as hosted on the Institutional website

1. Best Practice- I

1. **Title of the Practice:** Comprehensive Efforts for Higher Package Placement of Students

2. **Objectives of the Practice:**

   (a) To enhance the relevant skills through Skill Development activities

   (b) To gain practical knowledge through Internships and Work Experience

   (c) To train the students to enhance quantitative and qualitative aptitude

   (d) To build and maintain professional network and develop a strong personal branding

3. **The Context:**

   a) Enhance relevant skills such as problem-solving, critical thinking, communication, teamwork, and technical skills through coursework, projects, internships, and extracurricular activities.
   b) Gain practical experience through internships or part-time jobs in relevant industries or organizations. This also provides valuable networking opportunities.
   c) Preparation of interview questions, prepare for quantitative and qualitative aptitude that demonstrate the skills and accomplishments
   d) Build and maintain professional networks through industry events, career fairs, informational interviews, and online platforms. Networking can lead to job opportunities and referrals.

4. **The Practice:**

   a) Competition: The job market is often competitive, with many qualified candidates vying for limited positions. Employers may have high standards and specific criteria for candidates.
   b) Experience Requirements: Many high-paying jobs require several years of experience in the field, which can be difficult for recent graduates or those transitioning to a new industry.
   c) Industry Changes: Industries are constantly evolving due to technological advancements, market trends, and other factors. Keeping up with these changes and adapting skill sets accordingly can be challenging.

5. Evidence of Success:

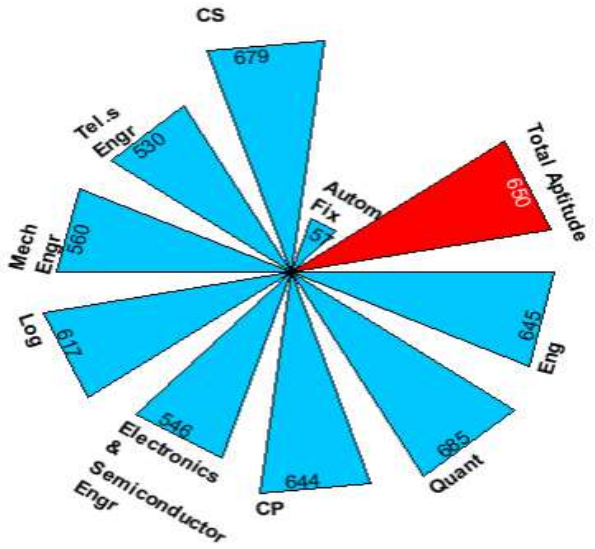
(a) Skill Development through Placement Activities

https://www.aitpune.com/placement/Placement%20Activities%202023-24.pdf

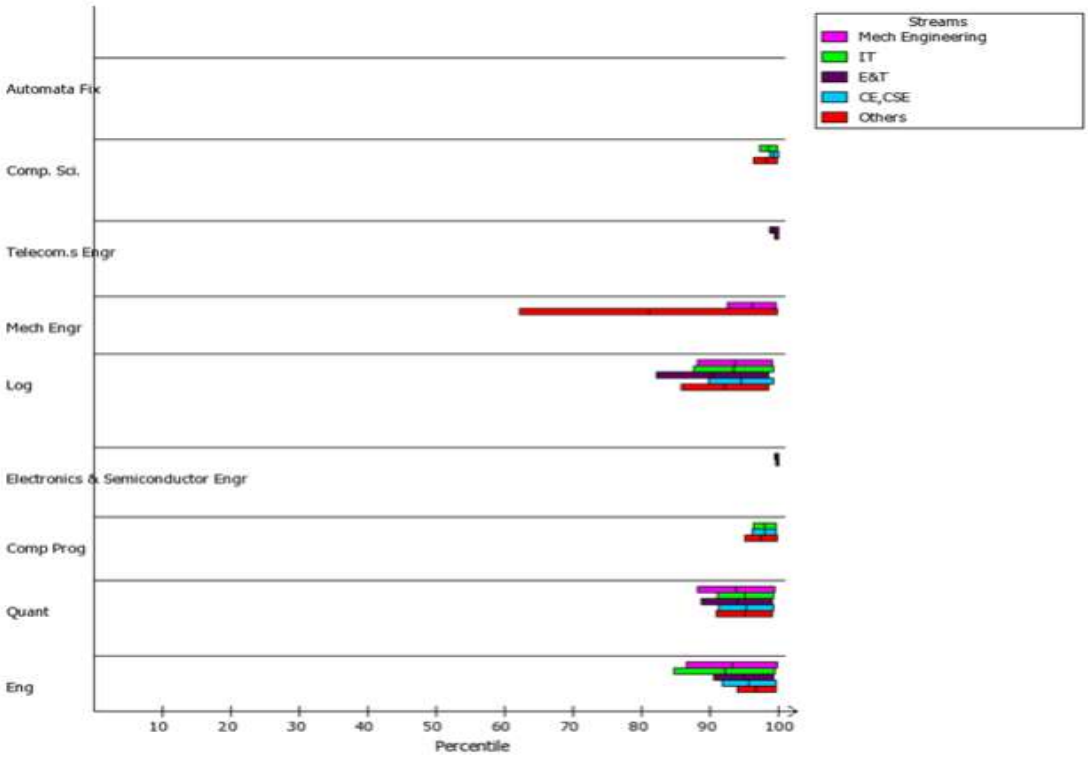
(b) Internship

Sr. No.	Department	Internship details
1	Information Technology	https://www.aitpune.com/Documents/IT/internship/Internship%202023-24.pdf
2	Electronics and Telecommunication	https://www.aitpune.com/Documents/ETC/internship/ETC_Student_Internship_2023-24.PDF
3	Computer Engineering	https://www.aitpune.com/Documents/Comp/iii/Student%20Internship%202023-24.pdf
4	Mechanical Engineering	https://www.aitpune.com/Documents/Mech/internship/Internship%202023-24.pdf

(c) AMCAT 2024

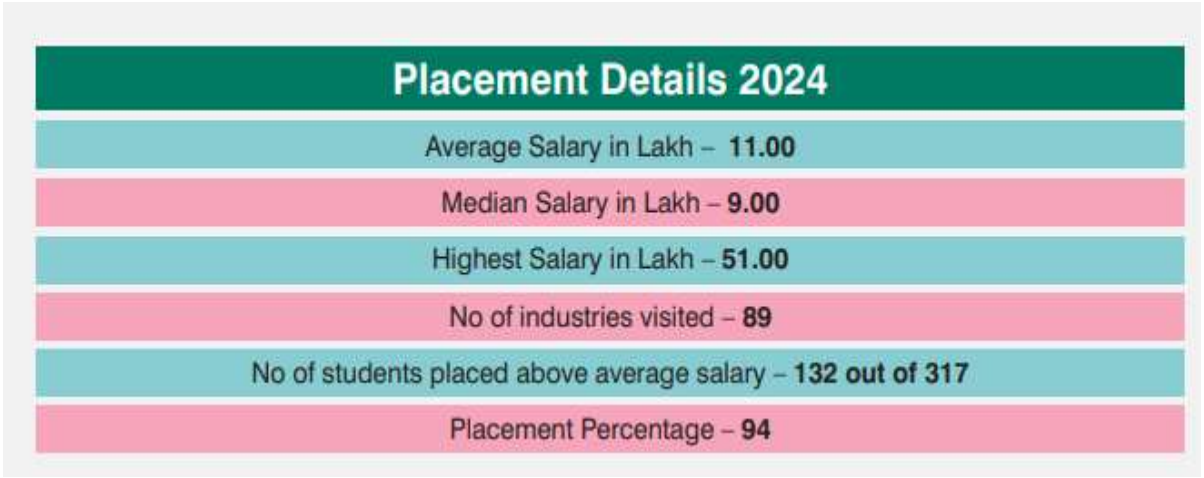


Campus Aptitude And Skill Chart



The chart above shows the comparison of module-wise average scores for each stream. Each horizontal bar represents the average score along with the standard deviation of a particular branch in that module. The vertical line at the center of each bar represents the average score. The length of bar represents the range of scores obtained by students of that stream.

(d) **Campus placements of last 5 years with CTC**

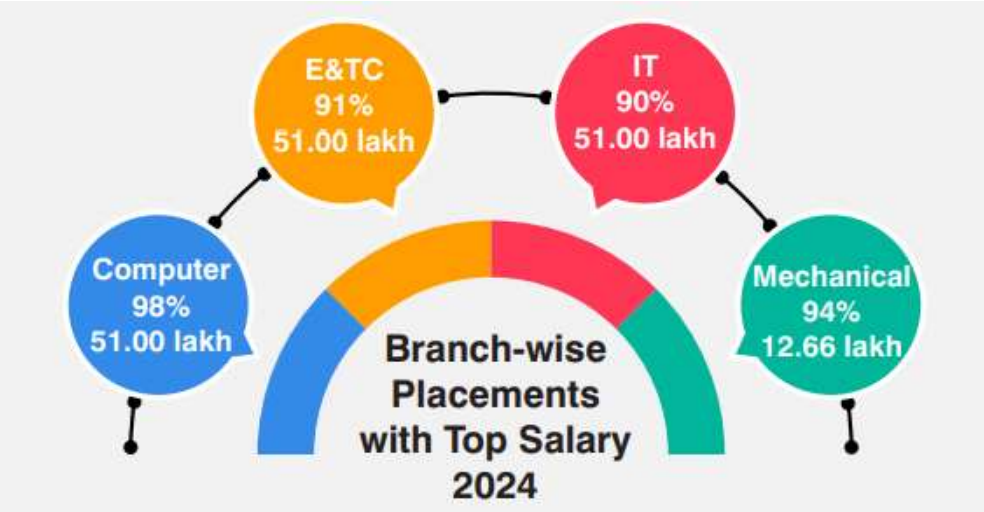


Placement Details 2024
Average Salary in Lakh – **11.00**
Median Salary in Lakh – **9.00**
Highest Salary in Lakh – **51.00**
No of industries visited – **89**
No of students placed above average salary – **132 out of 317**
Placement Percentage – **94**

Overall Placements						
Year of Course Completion	Number Registered	Number Placed		Highest Salary incl RSUs	Average Salary	Median Salary
		No	%			
2018-19	272	245	90	Rs 39.00 lakh	Rs 7.15 lakh	Rs 6.40 lakh
2019-20	342	313	92	Rs 39.00 lakh	Rs 7.30 lakh	Rs 6.50 lakh
2020-21	287	260	91	Rs 39.00 lakh	Rs 9.45 lakh	Rs 7.60 lakh
2021-22	314	305	97	Rs 112.14 lakh	Rs 14.70 lakh	Rs 12.00 lakh
2022-23	282	271	96	Rs 52.00 lakh	Rs 14.20 lakh	Rs 12.50 lakh
2023-24	339	320	94	Rs 51.00 lakh	Rs 11.00 lakh	Rs 9.00 lakh

Overall Placement AY:2023-24

Sr. No.	Year	Year-wise Placement Details
1	2023-24	https://www.aitpune.com/placement/Placements%20BE%202023-24.pdf
2	2022-23	https://www.aitpune.com/placement/Plmt%20Details%202022-23.pdf
3	2021-22	https://www.aitpune.com/placement/Placement%20Details%202021-22.pdf
4	2020-21	https://www.aitpune.com/placement/Placements%202020-21.pdf
5	2019-20	https://www.aitpune.com/placement/Placement%20Details%202019-20.pdf
6	2018-19	https://www.aitpune.com/placement/placement%20details%202018-19.pdf



Branch-Wise Placements

Sr. No.	Department	Placement Summary

Information Technology

Year of Course Completion	Number Registered	Number placed		Highest Salary	Average Salary
		No	%		
2018-19	60	59	98	Rs 28.00 lakh	Rs 8.35 lakh
2019-20	59	57	97	Rs 28.00 lakh	Rs 9.30 lakh
2020-21	57	54	95	Rs 39.00 lakh	Rs 10.85 lakh
2021-22	65	64	98.5	Rs 45.03 lakh	Rs 15.62 lakh
2022-23	57	52	91	Rs 52.00 lakh	Rs 15.90 lakh
2023-24	59	54	92	Rs 51.00 lakh	Rs 12.60 lakh

Electronics & Telecommunication Engg

Year of Course Completion	Number Registered	Number Placed		Highest Salary	Average Salary
		No	%		
2018-19	106	93	88	Rs 9.00 lakh	Rs 5.27 lakh
2019-20	110	100	91	Rs 13.00 lakh	Rs 5.70 lakh
2020-21	60	53	88	Rs 19.60 lakh	Rs 6.85 lakh
2021-22	62	61	98	Rs 45.03 lakh	Rs 12.44 lakh
2022-23	53	52	98	Rs 24.00 lakh	Rs 12.50 lakh
2023-24	109	99	91	Rs 51.00 lakh	Rs 9.75 lakh

Computer Engg

Year of Course Completion	Number Registered	Number Placed		Highest Salary	Average Salary
		No	%		
2018-19	58	56	97	Rs 39.00 lakh	Rs 10.46 lakh
2019-20	112	111	99	Rs 39.00 lakh	Rs 8.70 lakh
2020-21	116	115	99	Rs 39.00 lakh	Rs 11.45 lakh
2021-22	128	126	98	Rs 112.14 lakh	Rs 18.70 lakh
2022-23	116	114	98	Rs 52.00 lakh	Rs 16.00 lakh
2023-24	122	121	99	Rs 51.00 lakh	Rs 13.00 lakh

4	Mechanical Engineering	

Mechanical Engg

Year of Course Completion	Number Registered	Number Placed		Highest Salary	Average Salary
		No	%		
2018-19	48	37	77	Rs 7.00 lakh	Rs 4.94 lakh
2019-20	61	45	74	Rs 10.5 lakh	Rs 5.10 lakh
2020-21	54	38	70	Rs 8.93 lakh	Rs 4.70 lakh
2021-22	59	54	92	Rs 12.85 lakh	Rs 7.23 lakh
2022-23	56	52	95	Rs 13.66 lakh	Rs 10.15 lakh
2023-24	49	46	94	Rs 12.66 lakh	Rs 6.45 lakh

(e) National Ranking

6. <u>Problems Encountered and Resource Required:</u>

a) Limited Networking: Access to professional networks and connections is crucial for job opportunities, but not everyone has an extensive network to leverage.
b) Competitive Market: The job market can be fiercely competitive, with numerous qualified candidates vying for limited positions.
c) Industry Instability: Certain industries may experience fluctuations or downturns, impacting job availability and salary offerings.

2. Best Practice- II

1. **Title of the Practice**: Industry Integration to foster co-curricular activities including Innovation and Entrepreneurship

2. **Objectives of the Practice:**
   a) To share the knowledge among different sectors of Industry.
   b) To promote the ecosystem development where start-ups can be benefited
   c) To keep pace with the trends and disruptive changes taking place in industry.
   d) To support collaborative opportunities

3. **The Context:**

Integrating industries allows for the exchange of ideas, technologies, and best practices among different sectors, fostering a culture of innovation.

Combining resources such as capital, infrastructure, and expertise from various industries can provide startups and entrepreneurs with the necessary support to turn their ideas into viable businesses. Basic research with an inclination towards industry has been happening in AIT during the past years. Integration encourages collaboration between established companies and startups, leading to joint ventures, partnerships, and co-development efforts that drive innovation. Periodic industry visits help students to update their understanding of the subject and the industry practices in each domain. Guest Lecture by Industry Person- in all the courses has led to strong interactions between the institute and industry.

The project-based internships are a good learning process which brings new perspectives and is up-to date with the industry trends.

Collaborative and cooperative research projects with industry could lead to direct Intellectual Property (IP) generation and/or translation into industrial realization.

4. **The Practice:**

To nurture research and innovations, and to encourage entrepreneurial initiatives of students, the institute established Innovation and Entrepreneurship cell under Institutes Innovation Council, an MHRD initiative. The startup eco system was built through collaborative efforts between senior alumni entrepreneurs and the aspiring startup founders. The eco system includes mentors, domain experts and resources. Since then, the institute has nurtured 8 startups. Industry mentors help our students through various entrepreneurship camps

innovative project collaboration between industry and AIT is done through cooperative knowledge creation and exchange.

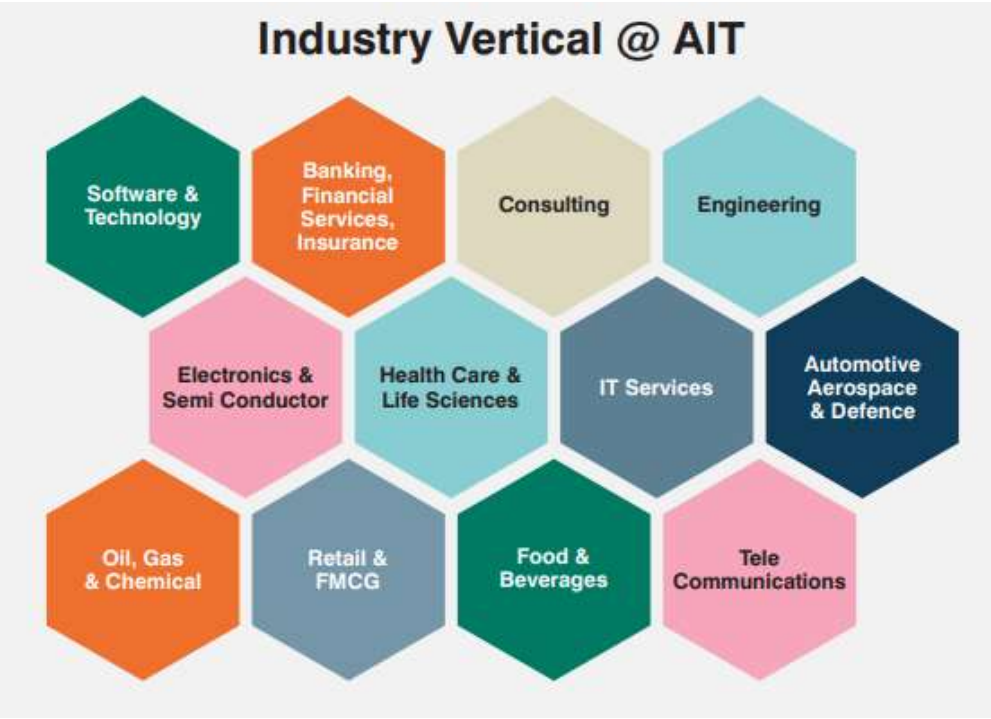
Industry mentors help our students through various entrepreneurship camps Innovative project collaboration between industry and AIT is done through cooperative knowledge creation and exchange.

Hackathon and coding competitions by various technical clubs in AIT are regularly conducted in AIT to address real world problems faced by the industry many of their competitions are sponsored by relevant Industries. Industry practitioners and standards organizations conduct codes and standards concept to our students.

To make students refined skillset and employable at KPIT, KPIT has started a training program to optimize the skills of the students by training them through the nominated faculties from the respective departments

5. <u>Evidence of Success:</u>

Industry participation makes students learn from new perspectives and helps create rapport with industry persons. It provides greater clarity and has an impact on their placement interviews.



The most meaningful aspect is that such tie-ups acknowledge and capitalize on the relative strengths of the academia and the industry.

Representation of AIT in Industry

Burns & McDonnell - TPO Meet

Equifax - TPO Conference

Master Card - Campus Connect

Deutsche Bank - Panel Discussion

Trainathon - Interview on Skill Gap

Indovance - Podcast

Scholarship details - Prime Minister's Scholarship Scheme, Swachhta Saarthi Fellowships, Merit Cum Means scholarship, Rolls-Royce Unnati scholarship, Award of Scholarships Under ESSA, National Scholarship Portal, Badve Scholarship, Horizon Scholarship, Hashmap Scholarship, Udchalo Scholarship, AICTE Pragati Scholarship Scheme, Central Sector Scheme Of Scholarships, J&K Scholarship , Award of Scholarships, Open Merit Scholarship.

6. Problems Encountered and Resources Required:

The availability of right person and resources for the corresponding topic is sometimes a challenge. Industry partners may require specialized skills or expertise that are not readily available within academia, necessitating additional training or recruitment efforts to bridge the gap.

In spite of some temporary barriers, AIT has been offering its best with consistent efforts to optimize the industry-institute integration through a number of strategies enabling various initiatives to thrive in the country's quest for technological leadership

ARMY INSTITUTE OF TECHNOLOGY PUNE 411015

Principal
Army Institute of Technology
Dighi Hills, Pune - 411015