



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

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

Exch : 7249250183, 7249250184, 7249250185

Website : www.aitpune.com Email : ait@aitpune.edu.in

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Result Analysis and Action Taken Report : AY 2023-24

Introduction:

The main asset of our institute are students. The focus of the institute is in providing all round engineering graduates who will be the future technology leaders and entrepreneurs committed towards innovation, sustainability, ethical practices, and the advancement of society through cutting-edge solutions. Student Result Analysis Report is a comprehensive document that provides a detailed examination of student performance data. This report serves as a bridge between raw data and actionable insights, enabling educators and administrators to make informed decisions. Results analysis system is mainly used to maintain the information about student marks in various semesters and batches. It also helps to understand how students are learning, and how they have performed in each area of the programme. This report can be used to identify areas of strength and weakness of a student and also provide insights to the students to focus on areas that need more attention. It also reveals the quality of teaching and the areas to be focused. The results analysis also helps the college management to understand the comparative performance of each batch over the past years. The detailed analysis of examination results was started from 2018 onwards. Immediately after the publication of end semester results by the Savitribai Phule Pune University (SPPU), the result analysis committee compiles the result in excel format. Analysis is done using the excel templates. The data is visualized to represent in graphical formats like pie charts, bar charts, column graphs etc. Reports are prepared and send to HoD/ Programme Coordinator for review and corrective actions. The reports are also presented in the IQAC and HoD meeting. These reports provide the Head of the Department with the insights needed to take further achievable steps to improve the results and outcome of the programs.

Comprehensive result analysis:

Detailed analysis of exam results is needed for effective corrective actions. A poor exam result may be due to several issues which include:

- a) Inability of students to comprehend complex subjects.
- b) Preparedness and efforts of the students.
- c) Methodology of teaching and teacher's effectiveness.
- d) Inappropriate attention in framing of question papers.
- e) Mire reasons such as cancellation/postpone of exams.
- b) Poor teacher performance
- c) Poor student performance to name a few



In-depth data analysis and correct interpretation are vital for identifying the underlying reasons.



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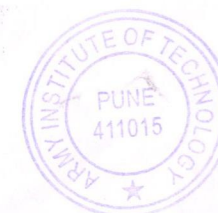
Objectives

- Identify courses in which students are showing weak performance
- Set benchmarks for each year for continuous growth
- Corrective measures to improve student performance in each course
- Identify weakness of individual student and take corrective measures
- Provide suitable inputs to students about their performance and inform parents

Methodology

The results of respective departments are efficiently computed with all the calculations done in Microsoft excel sheets. The result analysis consists of three parts

- Results of Class (at institute and department level)
- Results of a course/paper (at department level)
- Results of Individual student (at department level)
- Overall comparative analysis by IQAC





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A committee was formed to analyze the results of the academic year 2023-24 and prepare a comprehensive report.

DIRECTOR'S SECRETARIAT

NOTICE NO - 166/2024

COMMITTEE FOR RESULT ANALYSIS OF ACADEMIC AY 2023-24

1. Following committee is formed to complete Result analysis for all the departments.

(a)	Presiding Officer	Dr. Sushma Patil	IQAC Coordinator
		Dr. Dipika Birari	IQAC Member
		Mrs. Padmavati Sankpal	IQAC Clerk
(b)	Departments Representatives	Mr. Anand Ramgude	Mech Dept
		Ms. Ashish Dhudhale	E&TC Dept
		Ms. Yogita Hambir	Comp Dept
		Mr. Yuvraj Gholap	IT Dept
		Ms. Mridula Chandola	ASGE Dept
		Mr. Raghu Babar	ASGE Dept Lab. Assistant
		Mr. Ashok Katole	E&TC Dept Lab. Assistant
		Mr. Sunil Shikhare	Mech Dept Programmer
		Mrs. Shital Suvarnakar	IT Dept Lab. Assistant
		Mr. K Prakash	Comp Dept Lab. Assistant

2. The department representatives will analyze the result of their respective departments and will put up the action taken report.
3. The Presiding officer along with IQAC member and clerk will analyze and prepare the institute level result analysis and the remedial action to be taken.
4. The committee will meet the Presiding officer at 10:30am on 10th Sep 2024 for briefing.

File No : AIT/0075/Notice/Adm

Army Institute of Technology
Dighi Hills, Pune - 411015

Date: 12 Nov 2024

Distribution -

Jt Director
Principal

} - For info please.

HOD Mech
HOD IT
HOD E&TC
HOD Comp
HOD ASGE

(Abhay A Bhat)
Brig (Retd)
Director



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The result analysis of the following programs has been done by IQAC for the AY 2023-24:

1. **Electronics and Telecommunication Engineering**
2. **Computer Science**
3. **Mechanical Engineering**
4. **Information Technology**
5. **Applied Science and General Engineering**

The analysis includes Student Performance Metrics:

1. **Academic performance**
2. **Pass Percentage**
3. **Overall result analysis.**





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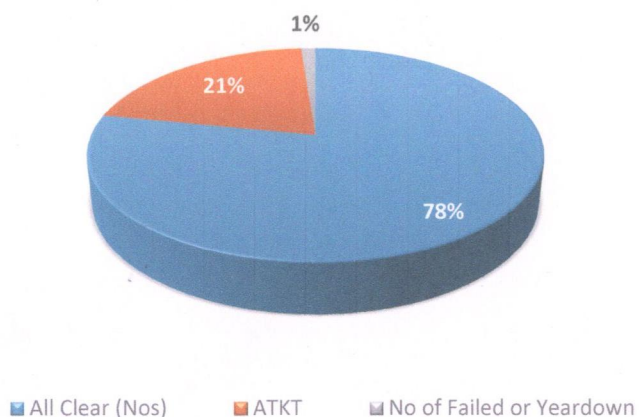
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Department of Applied Science and General Engineering

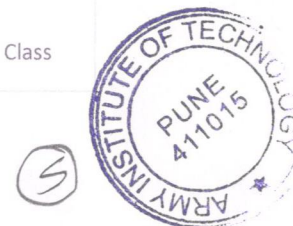
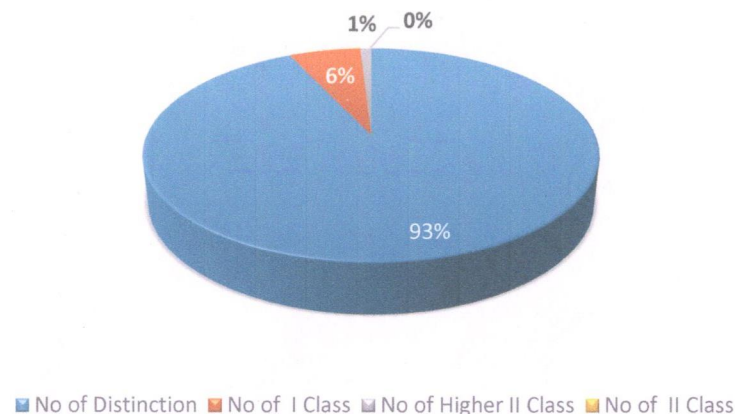
Result Analysis of Applied Science and General Engineering Students for AY 2023-24

Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	ATKT	No of Failed or Year down	% All Clear (Out of Total Appeared)	% with ATKT (Out of Total Appeared)	No of Distinction	No of I Class	No of Higher II Class	No of II Class	Max Marks (Total)
Applied Science and General Engineering	426	421	329	87	5	78.15%	98.57%	306	20	3	0	1300
Percentage	-	98.82%	78%	21%	1%	78.15%	98.57%	93%	6%	1%	0%	-

Result Analysis



Academic Performance Summary





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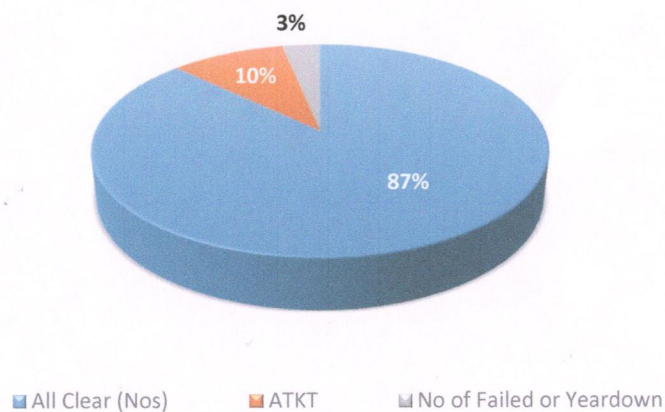
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Department of Electronics and Telecommunication Engineering

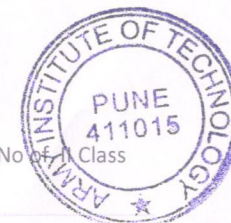
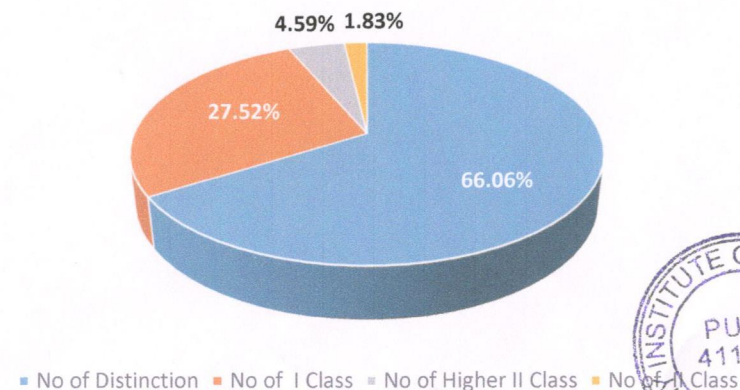
Result Analysis of Second Year E&TC Students for AY 2023-24

Program Name	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	ATKT	No of Failed or Year down	% All Clear (Out of Total Appeared)	% with ATKT (Out of Total Appeared)	No of Distinction	No of I Class	No of Higher II Class	No of II Class	Max Marks (Total)
Electronics and Tele Communication	125	125	109	12	4	87.20%	96.80%	72	30	5	2	1400
Percentage		100%	87%	10%	3%	87.20%	96.80%	66.06%	27.52%	4.59%	1.83%	

Result Analysis



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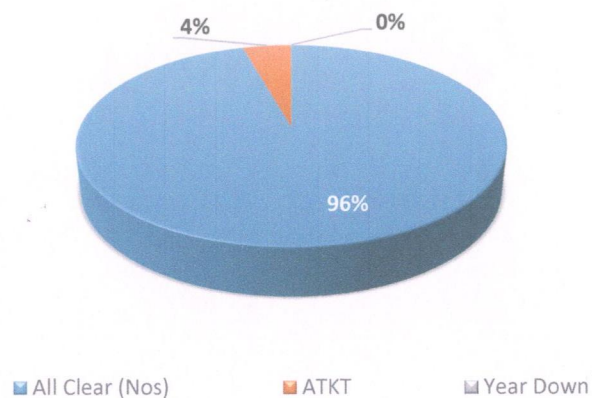
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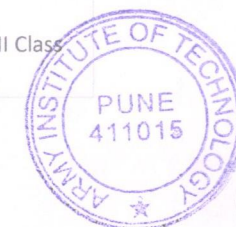
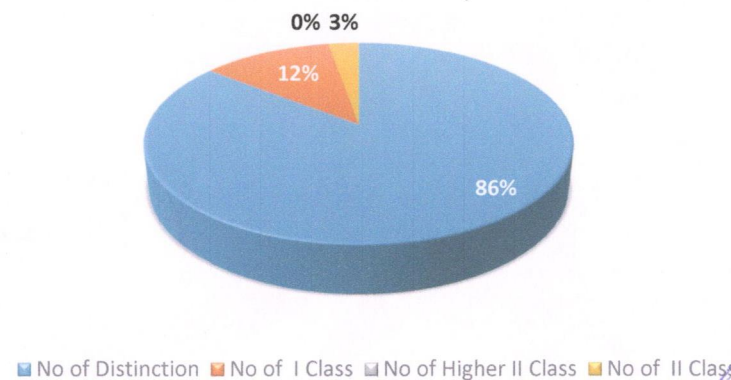
Result Analysis of Third Year E&TC Students for AY 2023-24

Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	ATKT	Year Down	% All Clear (Out of Total Appeared)	% with ATKT (Out of Total Appeared)	No of Distinction	No of I Class	No of Higher II Class	No Of II Class	Max Marks (Total)
Electronics and Tele Communication	116	116	111	5	0	96%	100%	95	13	0	3	1400
Percentage		100%	96%	4%	0%	96%	100%	86%	12%	0%	3%	

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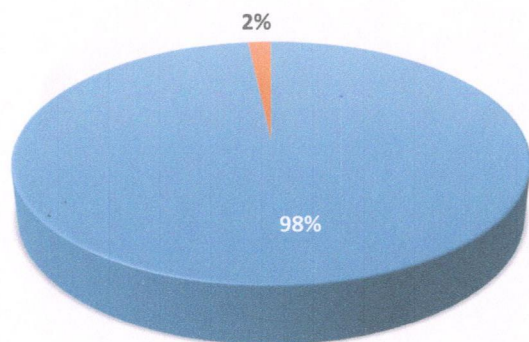
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Result Analysis of Final Year E&TC Students for AY 2023-24

Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	Year Down	% All Clear (Out of Total Appeared)	No of Distinction	No of I Class	No of Higher II Class	No of II Class	Max Marks (Total)
Electronics and Telecommunication	119	119	117	2	98%	112	5	0	0	1400
Percentage		100%	98%	2%	98%	96%	4%	0%	0%	

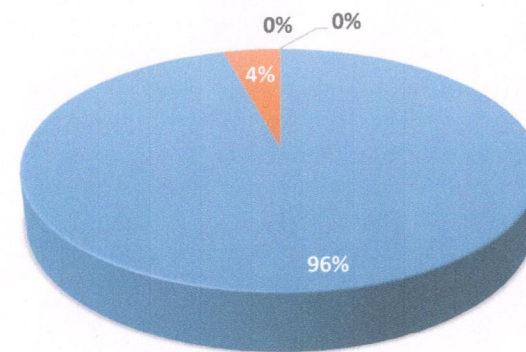
Result Analysis



■ All Clear (Nos)

■ Year Down

Academic Performance Summary

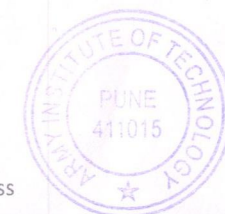


■ No of Distinction

■ No of I Class

■ No of Higher II Class

■ No of II Class



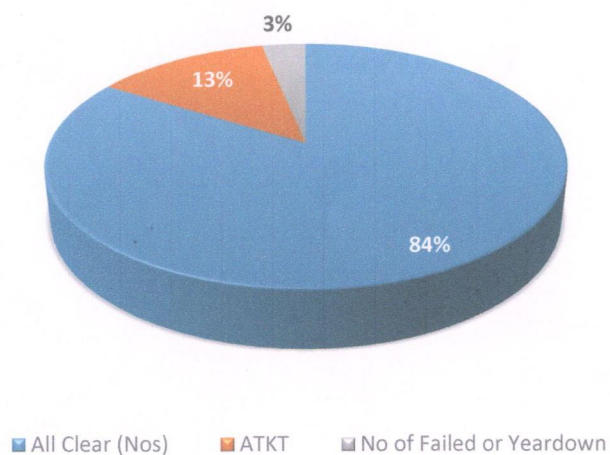


Department of Computer Science

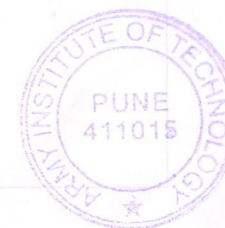
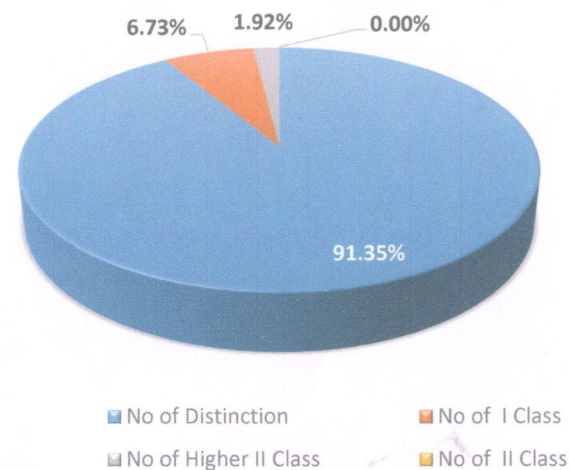
Result Analysis of Second Year Computer students for AY 2023-24

Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	ATKT	No of Failed or Year down	% All Clear (Out of Total Appeared)	% with ATKT (Out of Total Appeared)	No of Distinction	No of I Class	No of Higher II Class	No of II Class	Max Marks (Total)
Computer Science	124	124	104	16	4	83.87%	96.77%	95	7	2	0	1400
Percentage		100%	84%	13%	3%	83.87%	96.77%	91.35%	6.73%	1.92%	0.00%	

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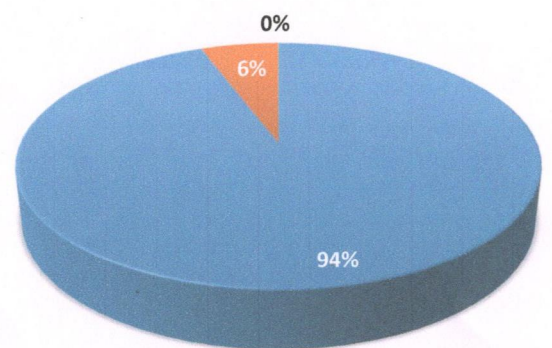
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Result Analysis of Third Year Computer students for AY 2023-24

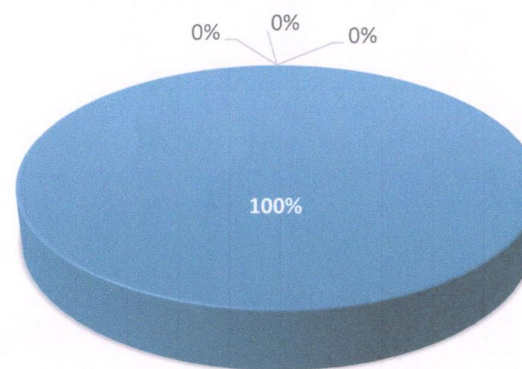
Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	ATKT	Year Down	% All Clear (Out of Total Appeared)	% with ATKT (Out of Total Appeared)	No of Distinction	No of I Class	No of Higher II Class	No of II Class	Max Marks (Total)
Computer Science	122	122	115	7	0	94%	100%	115	0	0	0	1400
Percentage		100%	94%	6%	0%	94%	100%	100%	0%	0%	0%	

Result Analysis

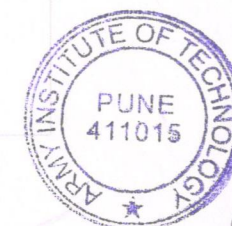


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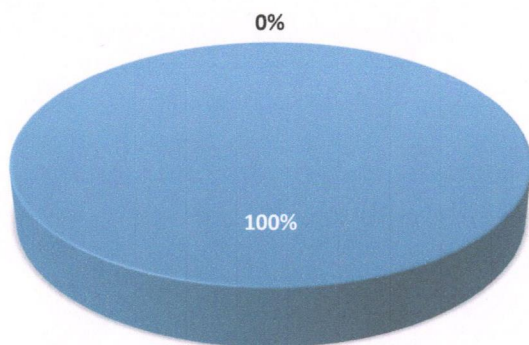
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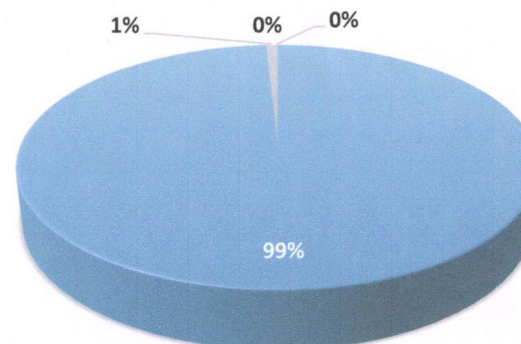
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Computer Science	124	124	124	0	100%	123	0	1	0	1400
Percentage		100%	100%	0%	100%	99%	0%	1%	0%	

Result Analysis

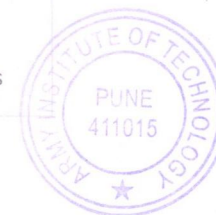


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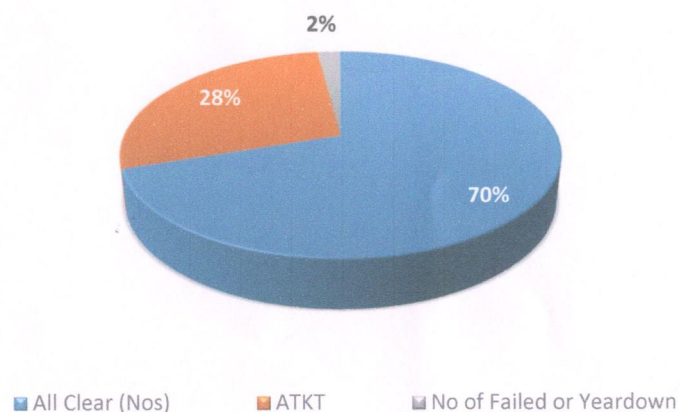
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Department of Mechanical Engineering

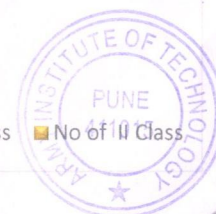
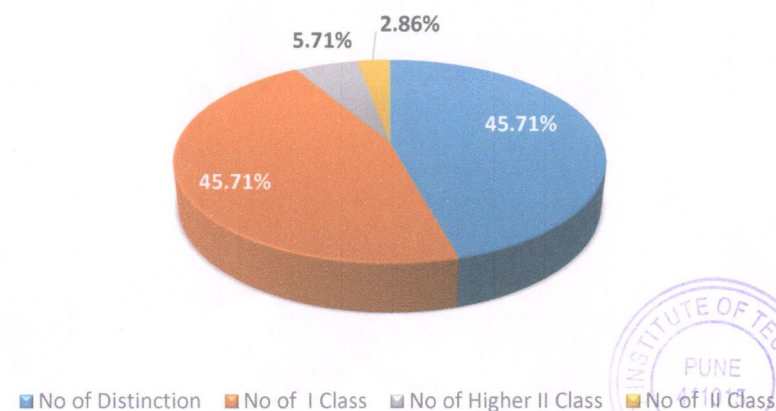
Result Analysis of Second Year Mechanical Students for AY 2023-24

Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	ATKT	No of Failed or Year down	% All Clear (Out of Total Appeared)	% with ATKT (Out of Total appeared)	No of Distinction	No of I Class	No of Higher II Class	No of II Class	Max Marks (Total)
Mechanical Engineering	50	50	35	14	1	70%	98.00%	16	16	2	1	1400
Percentage		100%	70%	28%	2%	70%	98.00%	45.71%	45.71%	5.71%	2.86%	

Result Analysis



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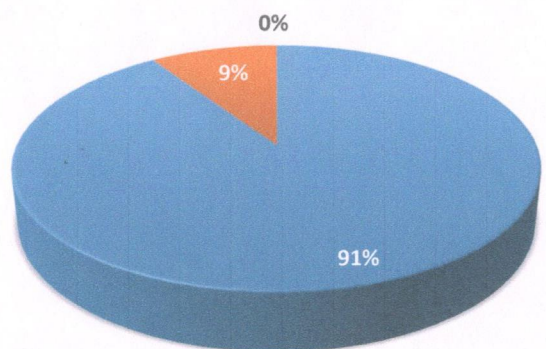
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Result Analysis of Third Year Mechanical students for AY 2023-24

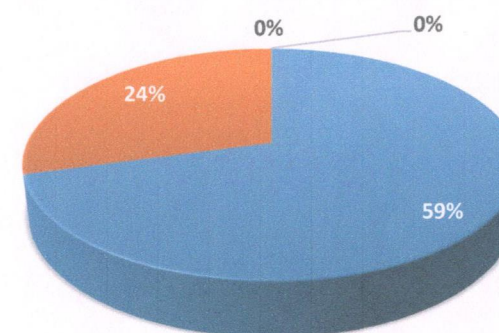
Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	ATKT	Year Down	% All Clear (Out of Total Appeared)	% with ATKT (Out of Total Appeared)	No of Distinction	No of I Class	No of Higher II Class	No of II Class	Max Marks (Total)
Mechanical Engineering	54	54	49	5	0	90.74	100%	29	12	8	0	1400
Percentage		100%	91%	9%	0%	90.74	100%	59%	24%	0%	0%	

Result Analysis

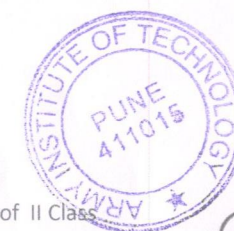


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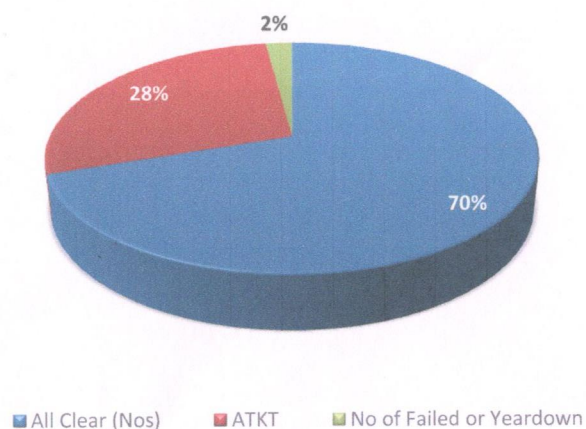
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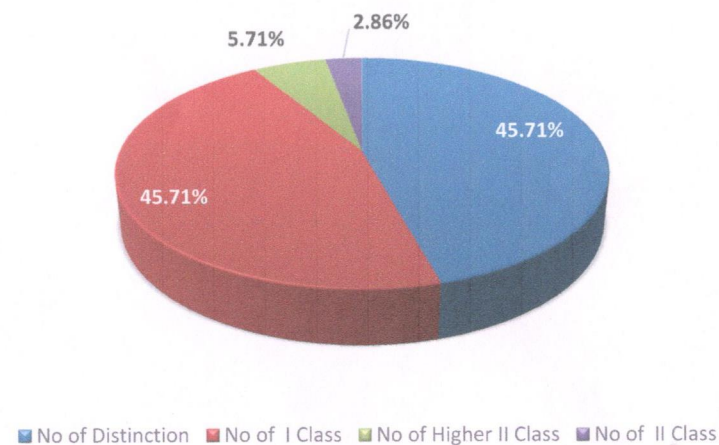
Result Analysis of Final Year Mechanical students for AY 2023-24

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Mechanical Engineering	50	50	35	14	1	70%	96.23%	16	16	2	1	1400
Percentage		100%	70%	28%	2%	70%	96.23%	45.71%	45.71%	5.71%	2.86%	

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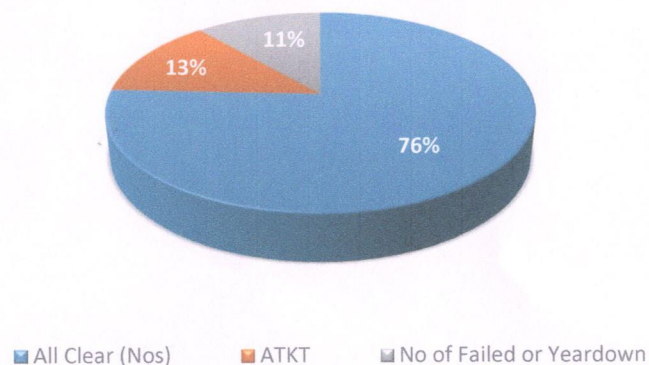
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Department of Information Technology

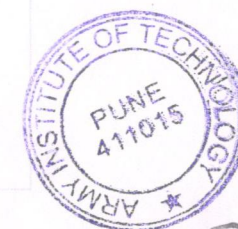
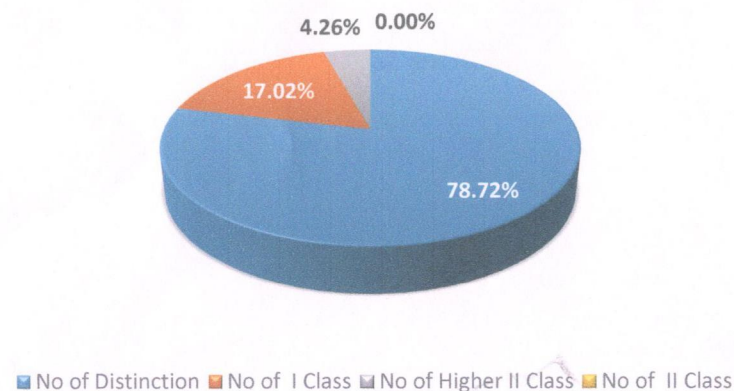
Result Analysis of Second Year Information Technology Students for AY 2023-24

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Information Technology	62	62	47	8	7	75.81%	88.71%	37	8	2	0	1400
Percentage		100%	76%	13%	11%	75.81%	88.71%	78.72%	17.02%	4.26%	0.00%	

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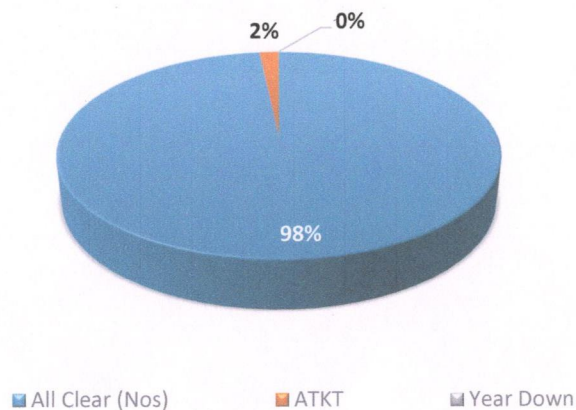
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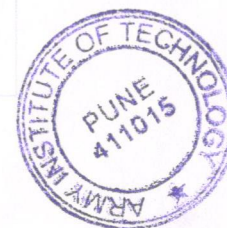
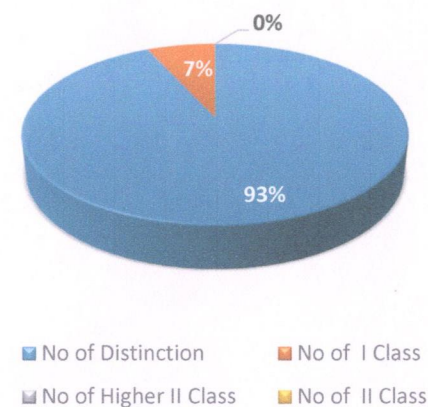
Result Analysis of Third Year Information Technology Students for AY 2023-24

Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	ATKT	Year Down	% All Clear (Out of Total Appeared)	% with ATKT (Out of Total Appeared)	No of Distinction	No of I Class	No of Higher II Class	No of II Class	Max Marks (Total)
Information Technology	60	60	59	1	0	98.33%	100%	55	4	0	0	1400
Percentage		100%	98%	2%	0%	98.33%	100%	93%	7%	0%	0%	

Result Analysis



Academic Performance Summary

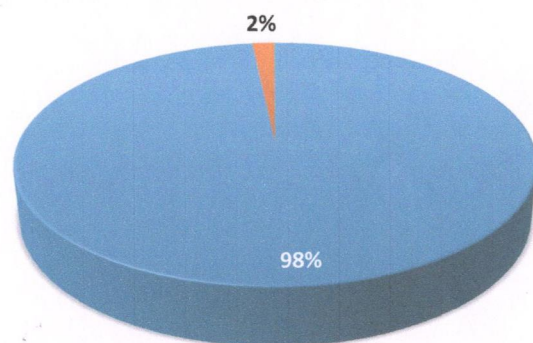




Result Analysis of Final Year Information Technology Students for AY 2023-24

Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	Year Down	% All Clear (Out of Total Appeared)	No of Distinction	No of I Class	No of Higher II Class	No of II Class	Max Marks (Total)
Information Technology	62	62	61	1	98.38%	53	6	2	0	1300
Percentage		100%	98%	2%	98.38%	87%	10%	0%	0%	

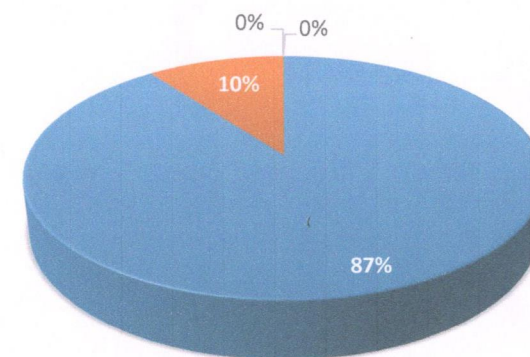
Result Analysis



■ All Clear (Nos)

■ Year Down

Academic Performance Summary

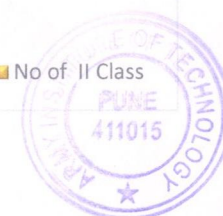


■ No of Distinction

■ No of I Class

■ No of Higher II Class

■ No of II Class





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Overall Academic Performance of Second Year Students: AY 2023-24

	Electronics and Telecommunication	Computer Science	Information Technology	Mechanical Engineering
Total Enrolment (Nos)	125	124	62	50
Total Appeared (Nos)	125	124	62	50
All Clear (Nos)	109	104	47	35
ATKT	12	16	8	14
No of Failed or Yeardown	4	4	7	1
% All Clear(Out of Total Appeared)	87.20%	83.87%	75.81%	70%
% with ATKT (Out of Total Appeared)	96.80%	96.77%	88.71%	98.00%
No of Distinction	72	95	37	16
No of I Class	30	7	8	16
No of Higher II Class	5	2	2	2
No of II Class	2	0	0	1
Max Marks (Total)	1400	1400	1400	1400





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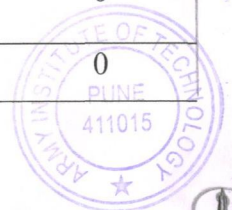
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Second-year Rank holders of all Programmes : AY 2023-24

	Electronics and Telecommunication	Computer Science	Information Technology	Mechanical Engineering
Class First Rank	Anurag Singh SGPA : 9.73	Bhagat Sahil Bhagirath SGPA : 9.70	Simran Mathpal SGPA : 9.66	Sushree Arpita SGPA : 8.75
Class Second Rank	Yasharth SGPA : 9.64	1. Khairnar Darshan Gorakh, SGPA: 9.55 2. Aditya Singh SGPA : 9.55	Aryan Singh Rajawat SGPA : 9.59	Aditya Deopa SGPA : 8.70
Class Third Rank	Atharv Anand SGPA : 9.57	Gourav, SGPA : 9.52	1. Akshit Kotnala SGPA: 9.45 2. Ankitveer Singh Rathore SGPA: 9.45	Hemant Mishra SGPA : 8.55
No of Failure in 1 Subjects	5	09	5	5
No of Failure in 2 Subjects	4	2	2	2
No of Failure in 3 Subjects	2	1	0	3
No of Failure in 4 Subjects	5	1	1	5
No of Failure in More than 5 Subjects	0	6	7	0
Result Withheld	0	1	0	0





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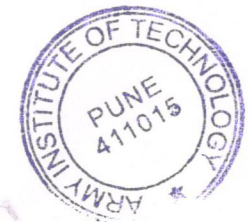
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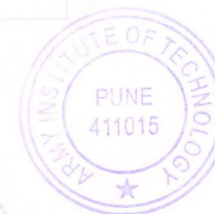
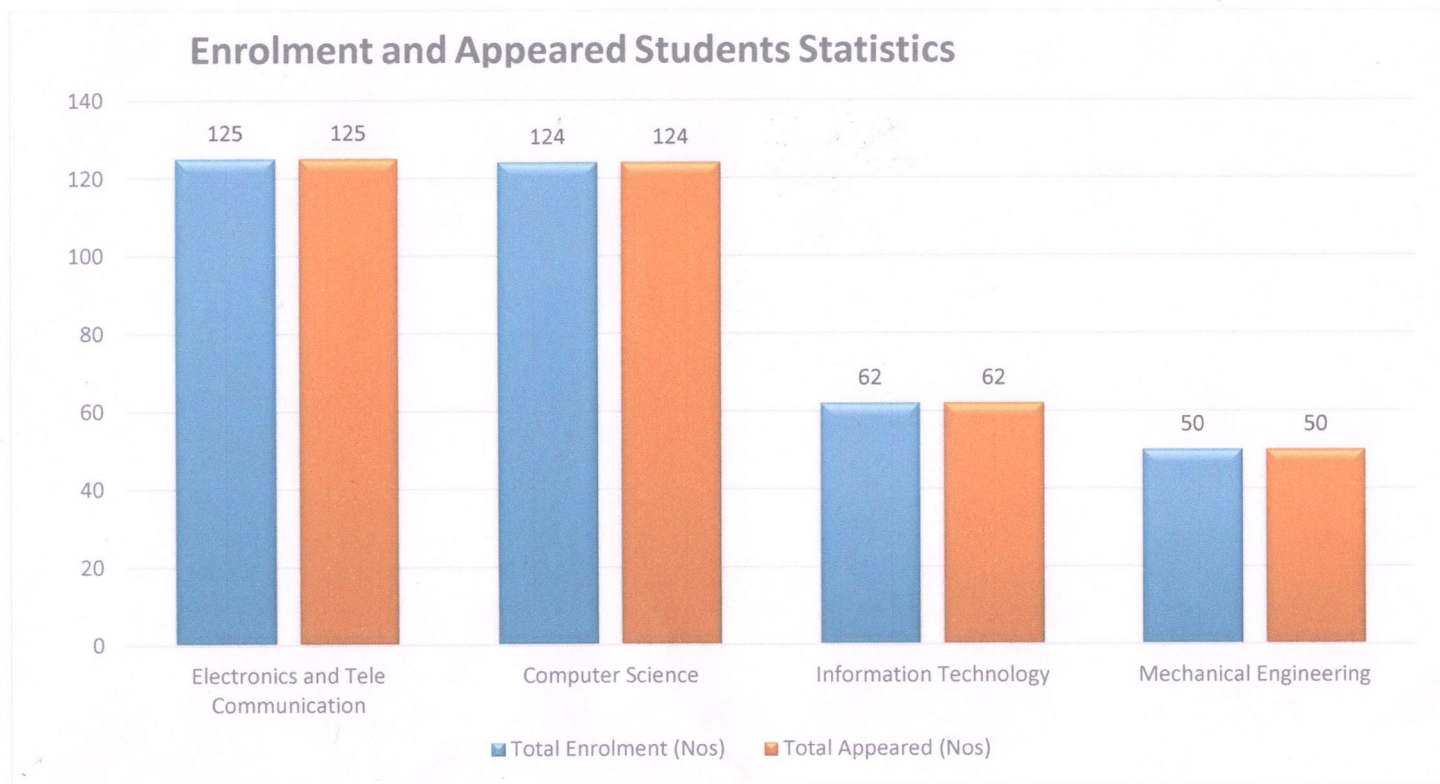
Pass Percentage and Academic Performance of Second Year Students for AY 2023-24

Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	ATKT	No of Failed or Year down	% All Clear (Out of Total Appeared)	% with ATKT (Out of Total Appeared)	No of Distinction	Percent of Distinction	No of I Class	Percent of I Class	No of Higher II Class	Percent of Higher II Class	No of II Class	Percent of II Class	Max Marks (Total)
Electronics and Telecom	125	125	109	12	4	87.20%	96.80%	72	66.06%	30	27.52 %	5	4.59%	2	1.83 %	1400
Computer Science	124	124	104	16	4	83.87%	96.77%	95	91%	7	7%	2	2%	0	0%	1400
Information Technology	62	62	47	8	7	75.81%	88.71%	37	79%	8	17%	2	4%	0	0%	1400
Mechanical Engineering	50	50	35	14	1	70%	98.00%	16	46%	16	46%	2	6%	1	3%	1400
Total	361	361	295	50	16	82%	95.57%	220	75%	61	21%	11	4%	3	1%	



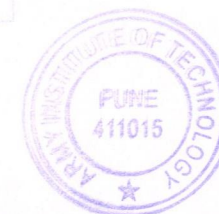
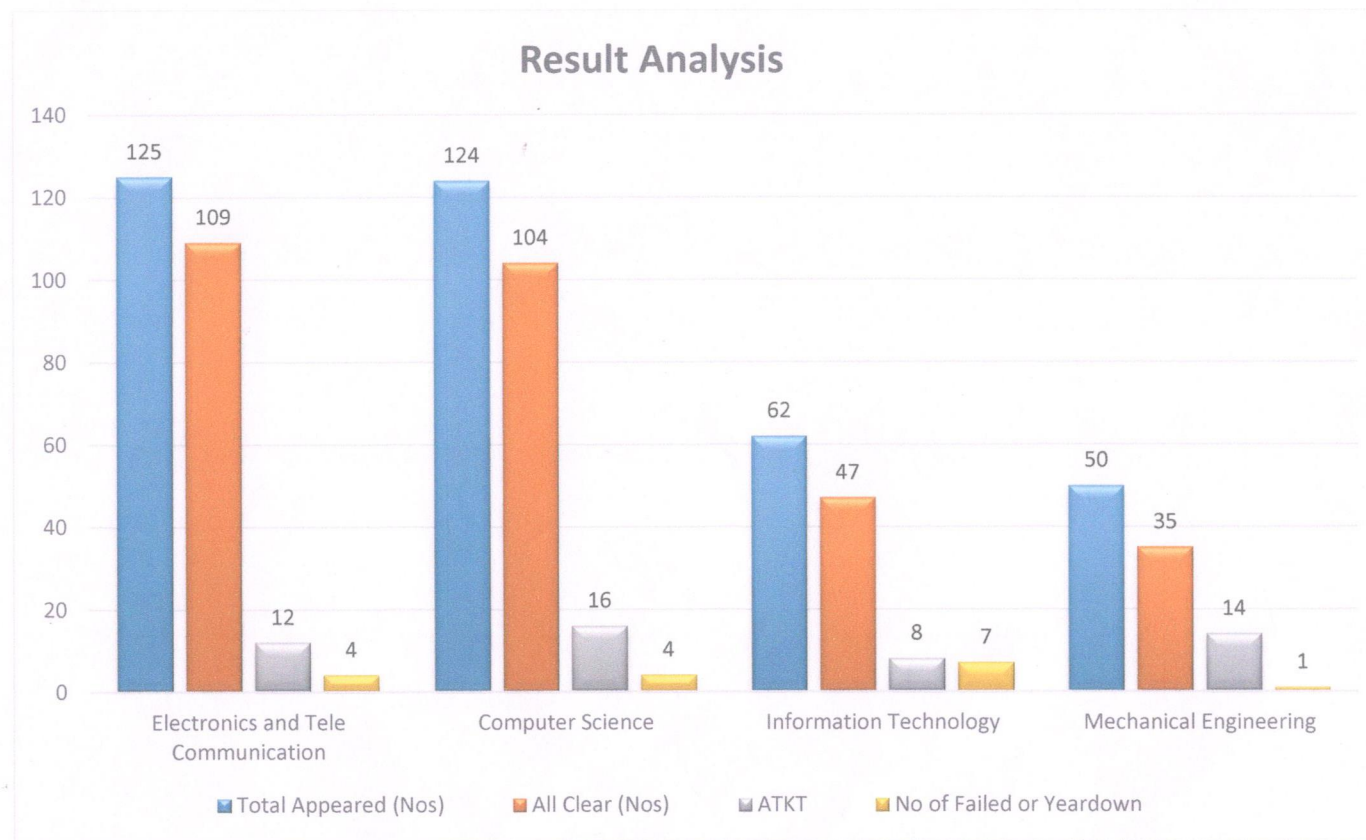


Graph 1: Pass Percentage of Second Year Students for AY 2023-24





Graph 2: Result Analysis of Second Year Students for AY 2023-24





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

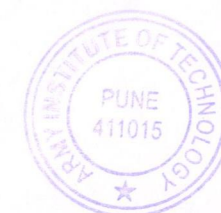
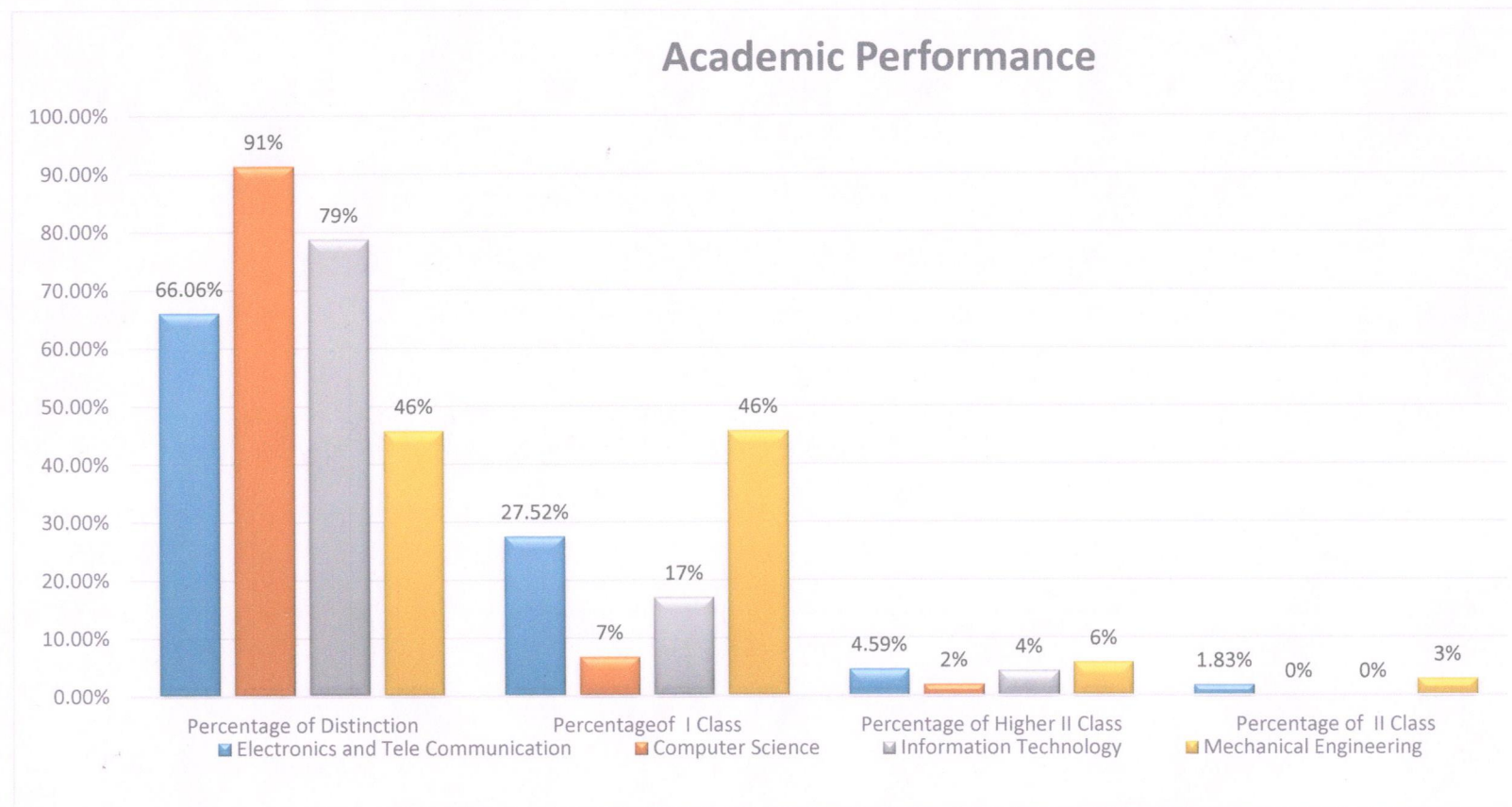
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Graph 3: Academic Performance of Second Year Students for AY 2023-24



276



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Overall Academic Performance of Third Year Students : AY 2023-24

	Electronics and Telecommunication	Computer Science	Information Technology	Mechanical Engineering
Total Enrolment (Nos)	116	122	60	54
Total Appeared (Nos)	116	122	60	54
All Clear (Nos)	111	115	59	49
ATKT	5	7	1	5
Year Down	0	0	0	0
% All Clear(Out of Total Appeared)	96%	94%	98.33%	90.74
% with ATKT (Out of Total Appeared)	100%	100%	100%	100%
No of Distinction	95	115	55	29
No of I Class	13	0	4	12
No of Higher II Class	0	0	0	8
No of II Class	3	0	0	0
Max Marks (Total)	1400	1400	1400	1400





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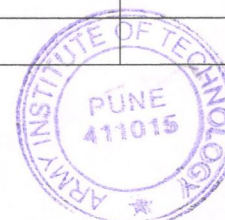
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Third-year Rank Holders of all Programmes : AY 2023-24

	Electronics and Telecommunication	Computer Science	Information Technology	Mechanical Engineering
Class First Rank	Shashank Kumar SGPA : 9.62	Sonam Kumari SGPA : 9.76	Lalit Chaudhary SGPA : 9.55	B Bhavani Krishna Mohan Tripathi SGPA : 9.14
Class Second Rank	Tushar Sharma SGPA : 9.57	1. Avadesh Yadav SGPA : 9.57 2. Gunna Anudeep SGPA : 9.57 3. Nikita Malik SGPA : 9.57	1. Aditya Tiwari SGPA : 9.29 2. Soumyadip Roy SGPA : 9.29	Anil Singh Tomar SGPA : 9.02
Class Third Rank	Anurag Kr. Tiwari SGPA : 9.40	Asmita Tripathi SGPA : 9.5	Pradeep Singh Shekhawat SGPA : 9.26)	Isha Rana SGPA : 8.98
No of Failure in 1 Subjects	4	4	1	1
No of Failure in 2 Subjects	0	2	0	4
No of Failure in 3 Subjects	1	1	0	0
No of Failure in 4 Subjects	0	0	0	0
No of Failure in More than 5 Subjects	0	0	0	0
Result Withheld	0	0	0	0



25



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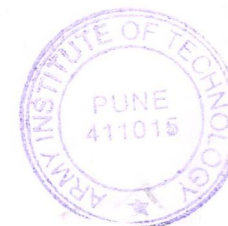
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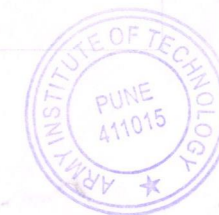
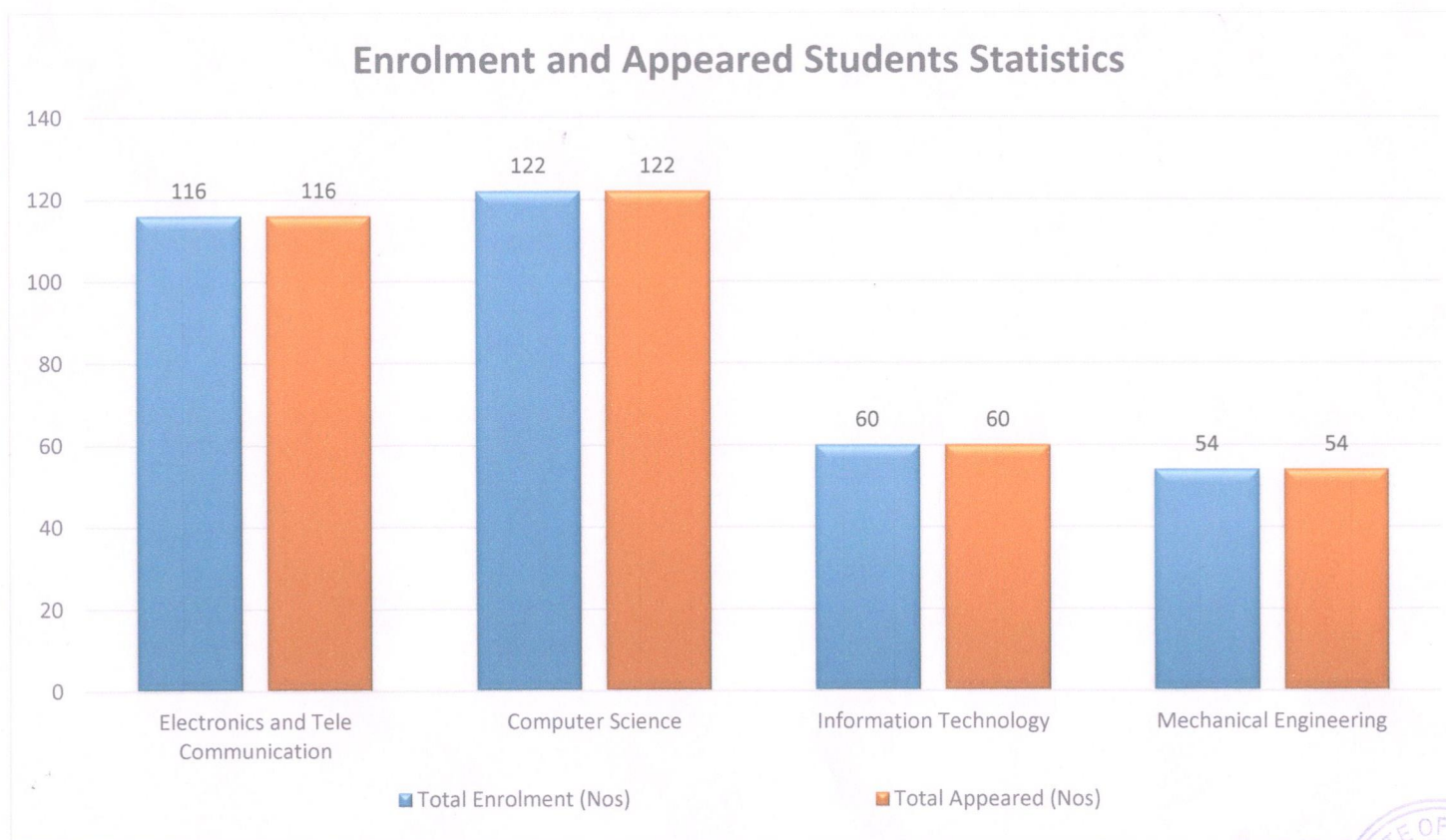
Pass Percentage and Academic Performance of Third Year Students : AY 2023-24

Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	ATKT	Year Down	% All Clear (Out of Total Appeared)	% with ATKT (Out of Total Appeared)	No of Distinction	No of I Class	No of Higher II Class	No of II Class	Max Marks (Total)
Electronics and Telecom	116	116	111	5	0	96%	100%	95	13	0	3	1400
Computer Science	122	122	115	7	0	94%	100%	115	0	0	0	1400
Information Technology	60	60	59	1	0	98.33%	100%	55	4	0	0	1400
Mechanical Engineering	54	54	49	5	0	90.74	100%	29	12	8	0	1400
Total	352	352	334	18	0	95%	100%	294	88%	29	9%	



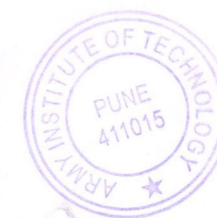
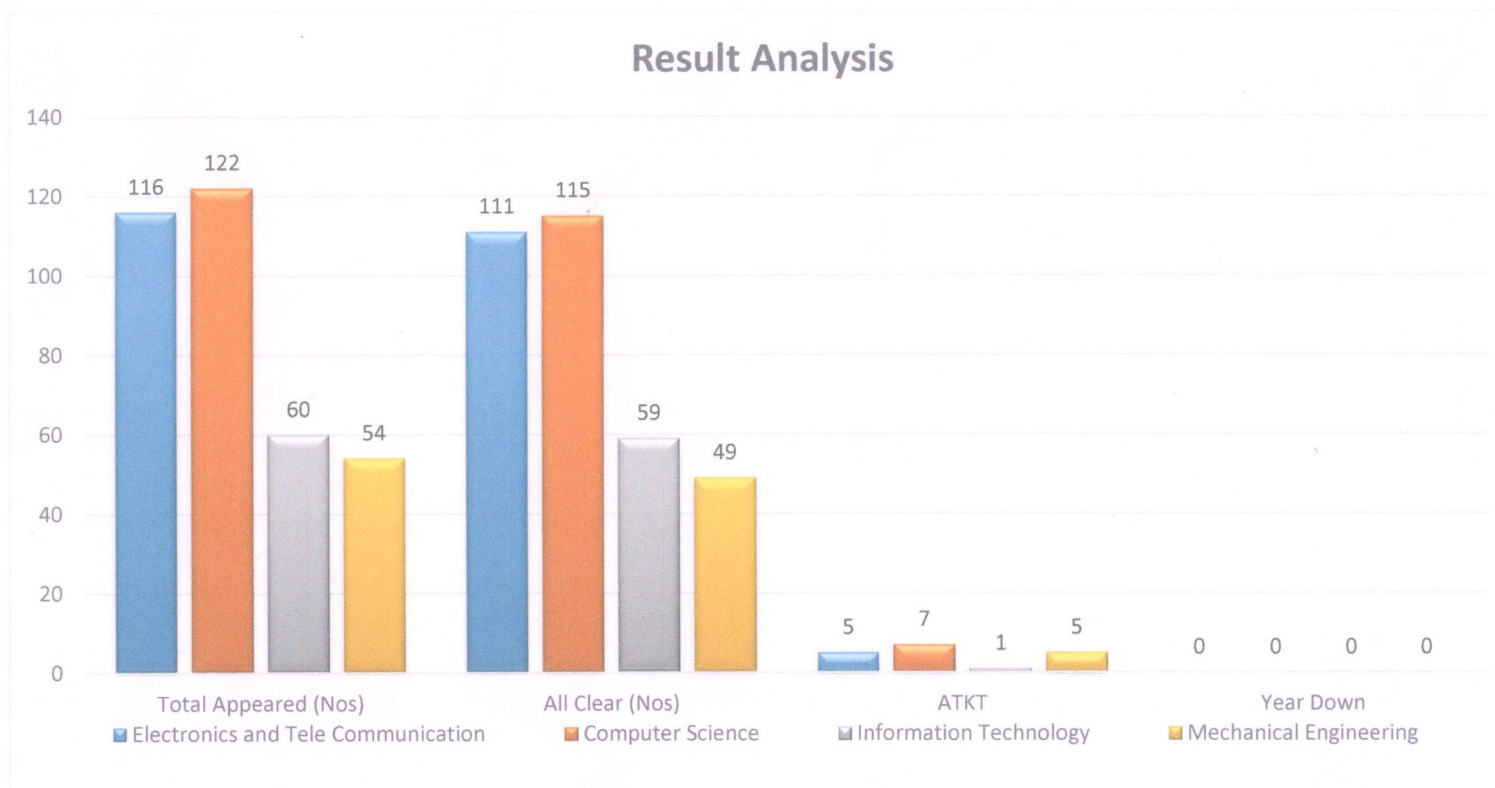


Graph 1: Pass Percentage of Third Year Students for AY 2023-24





Graph 2: Result Analysis of Third Year Students for AY 2023-24





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

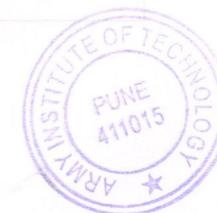
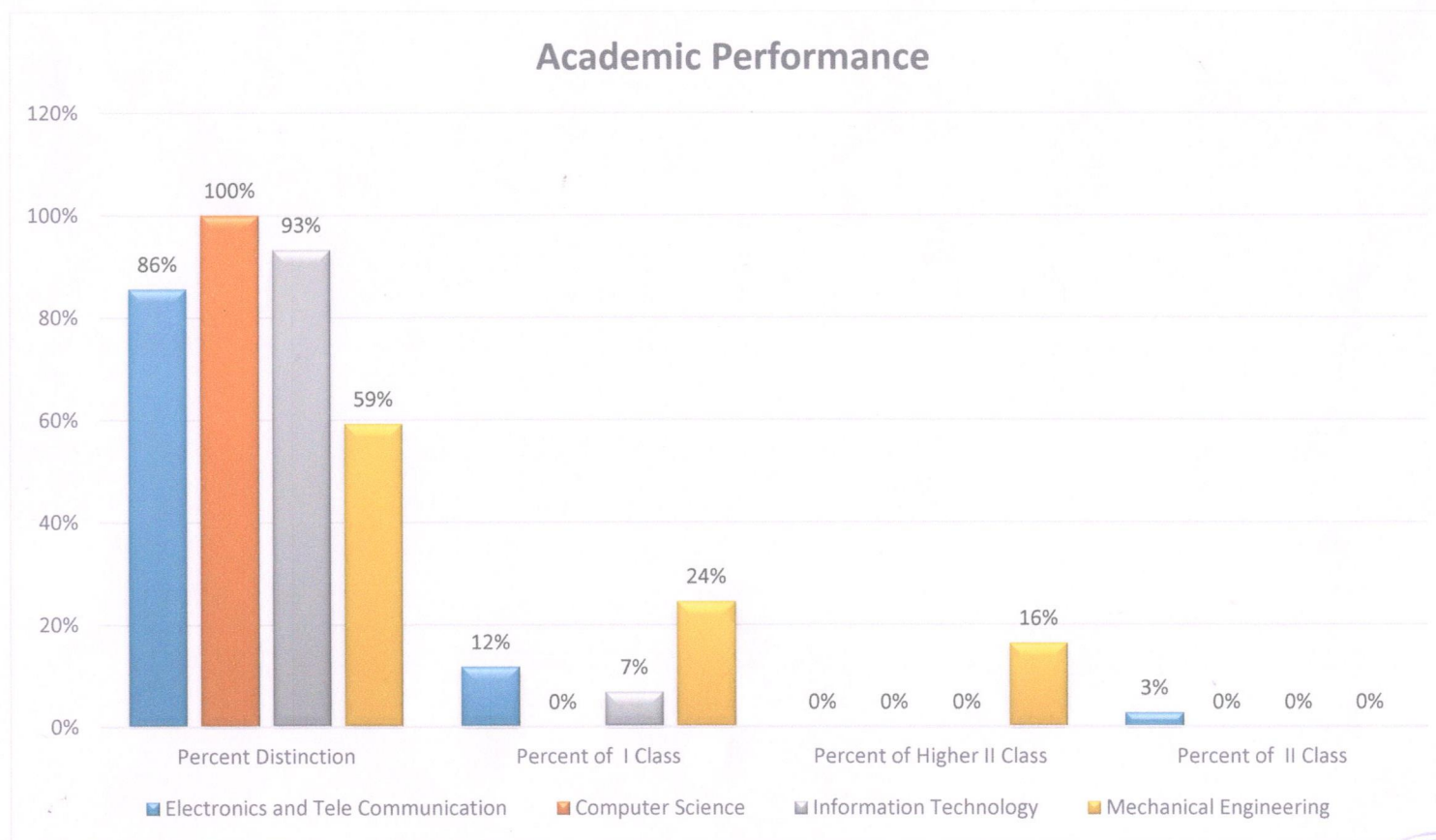
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Graph 3: Academic Performance of Third Year Students for AY 2023-24





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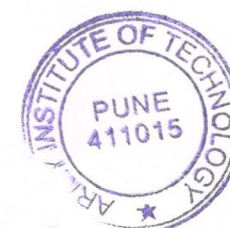
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Result Analysis of Final Year students : AY 2023-24

	Electronics and Telecommunication	Computer Science	Information Technology	Mechanical Engineering
Total Enrolment (Nos)	119	124	62	53
Total Appeared (Nos)	119	124	62	53
All Clear (Nos)	117	124	61	51
Year Down	2	0	1	2
% All Clear(Out of Total Appeared)	98%	100%	98.38%	96.23%
No of Distinction	112	123	53	32
No of I Class	5	0	6	19
No of Higher II Class	0	1	2	0
No of II Class	0	0	0	0
Max Marks (Total)	1400	1400	1300	1400





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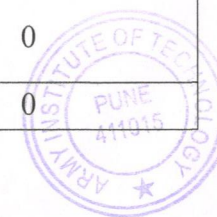
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Final-year Rank Holders of all Programmes : AY 2023-24

	Electronics and Telecommunication	Computer Science	Information Technology	Mechanical Engineering
Class First Rank	Beauty Kumari CGPA : 9.44()	Sahil Aktar Shaikh CGPA : 9.61	Shivangi Kotnala CGPA : 9.49	Deeksha Singh CGPA : 9.39
Class Second Rank	Diksha Deswal CGPA : 9.33	Puja CGPA : 9.43	Kanchan Dev Malik CGPA : 9.35	Harsh Poonia CGPA : 9.13
Class Third Rank	Ritik Kumar CGPA : 9.29	Divya Pratap Singh CGPA : 9.39	Rishabh Rawat CGPA : 9.29	Harsh Katiyar CGPA : 9.04
No of Failure in 1 Subjects	0	0	1	1
No of Failure in 2 Subjects	2	0	0	0
No of Failure in 3 Subjects	0	0	0	0
No of Failure in 4 Subjects	0	0	0	1
No of Failure in More than 5 Subjects	0	0	0	0
Result Withheld	0	0	0	0





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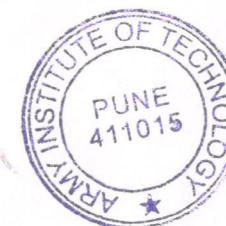
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Pass Percentage and Academic Performance of Final Year: AY 2023-24

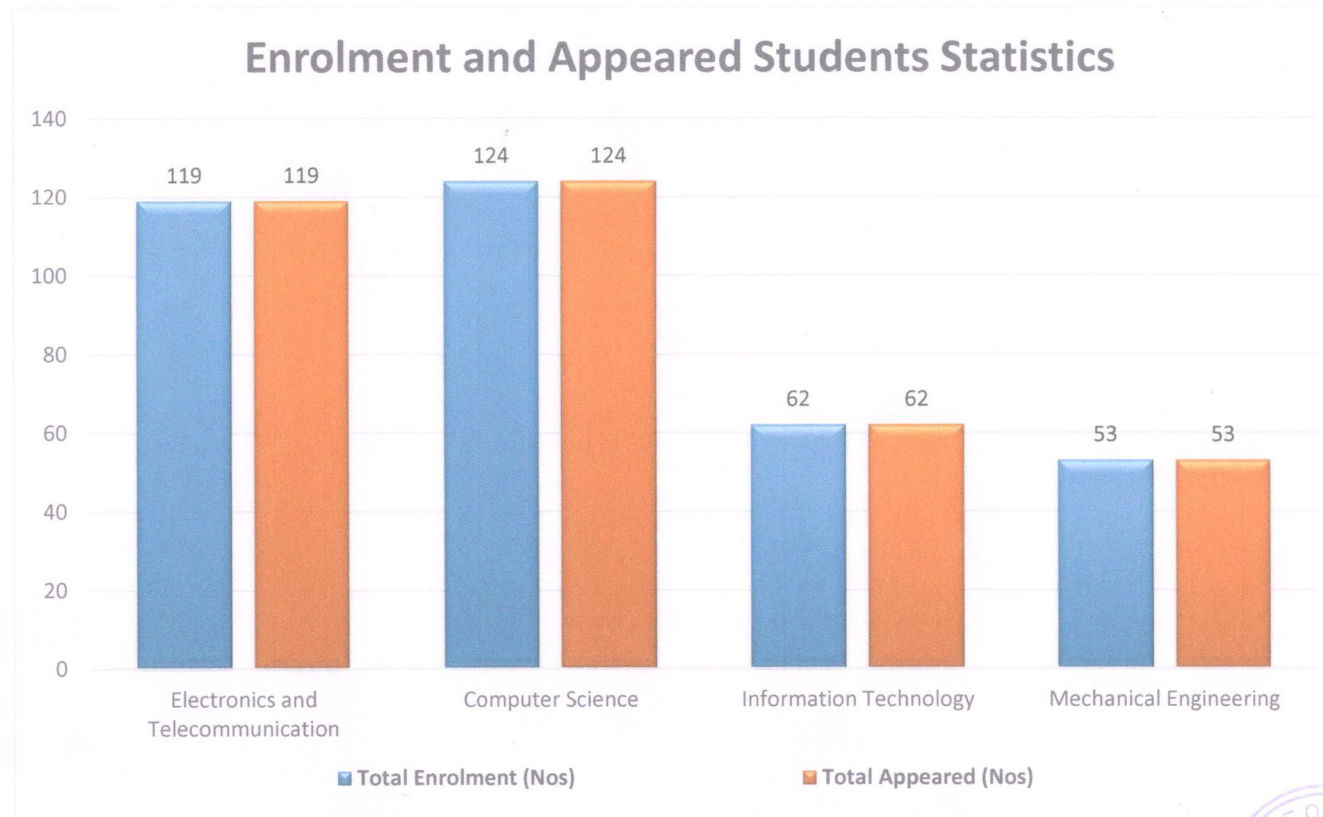
Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	Year Down	% All Clear (Out of Total Appeared)	No of Distinction	Percentage Distinction	No of I Class	Percentage of I Class	No of Higher II Class	Percentage of Higher II Class	No of II Class	Percentage of II Class	Max Marks (Total)
Electronics and Telecom	119	119	117	2	98.31%	112	96%	5	4%	0	0%	0	0	1400
Computer Science	124	124	124	0	100%	123	99%	0	0%	1	1%	0	0	1400
Information Technology	62	62	61	1	98.38%	53	87%	6	10%	2	3%	0	0	1300
Mechanical Engineering	53	53	51	2	96.23%	32	63%	19	37%	0	0%	0	0	1400
Total	358	358	353	5	98.23%	320	91%	30	8%	3	1%	0	0	Total



32

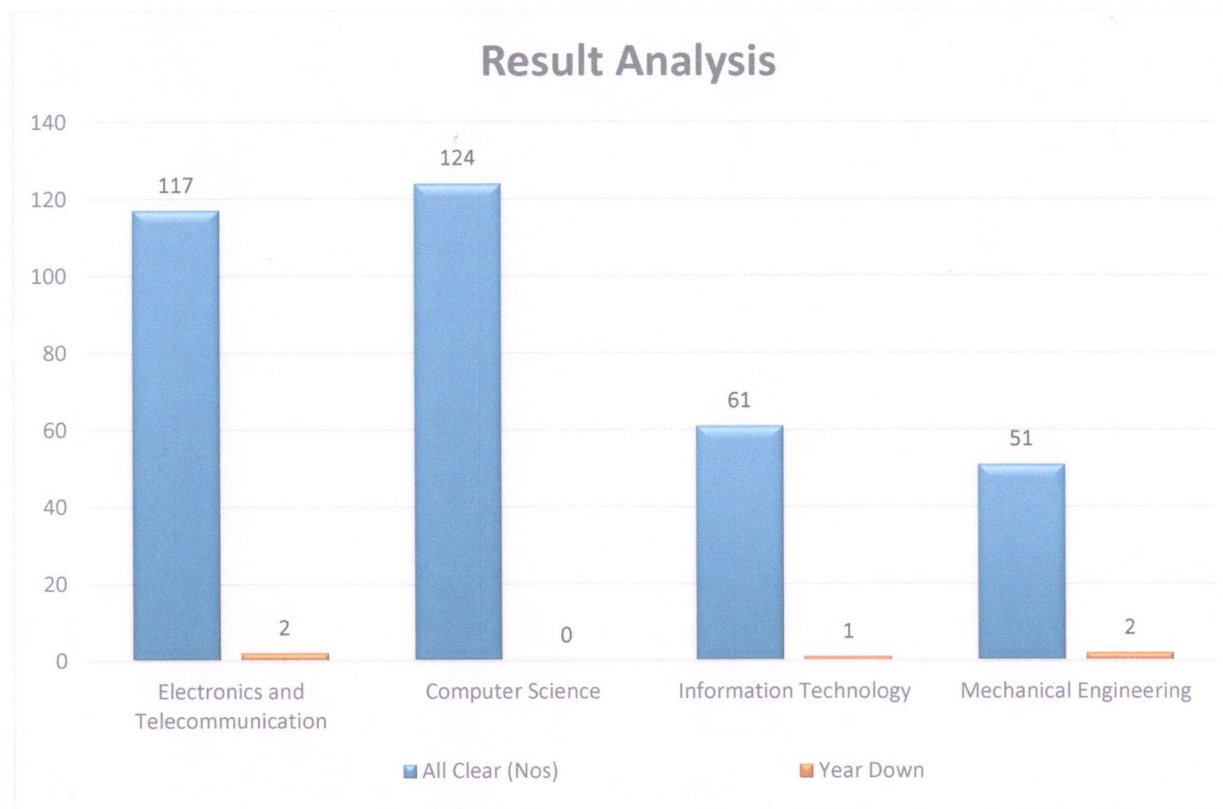


Graph 1: Pass Percentage of Final Year students for AY 2023-24



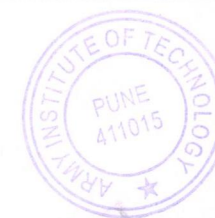
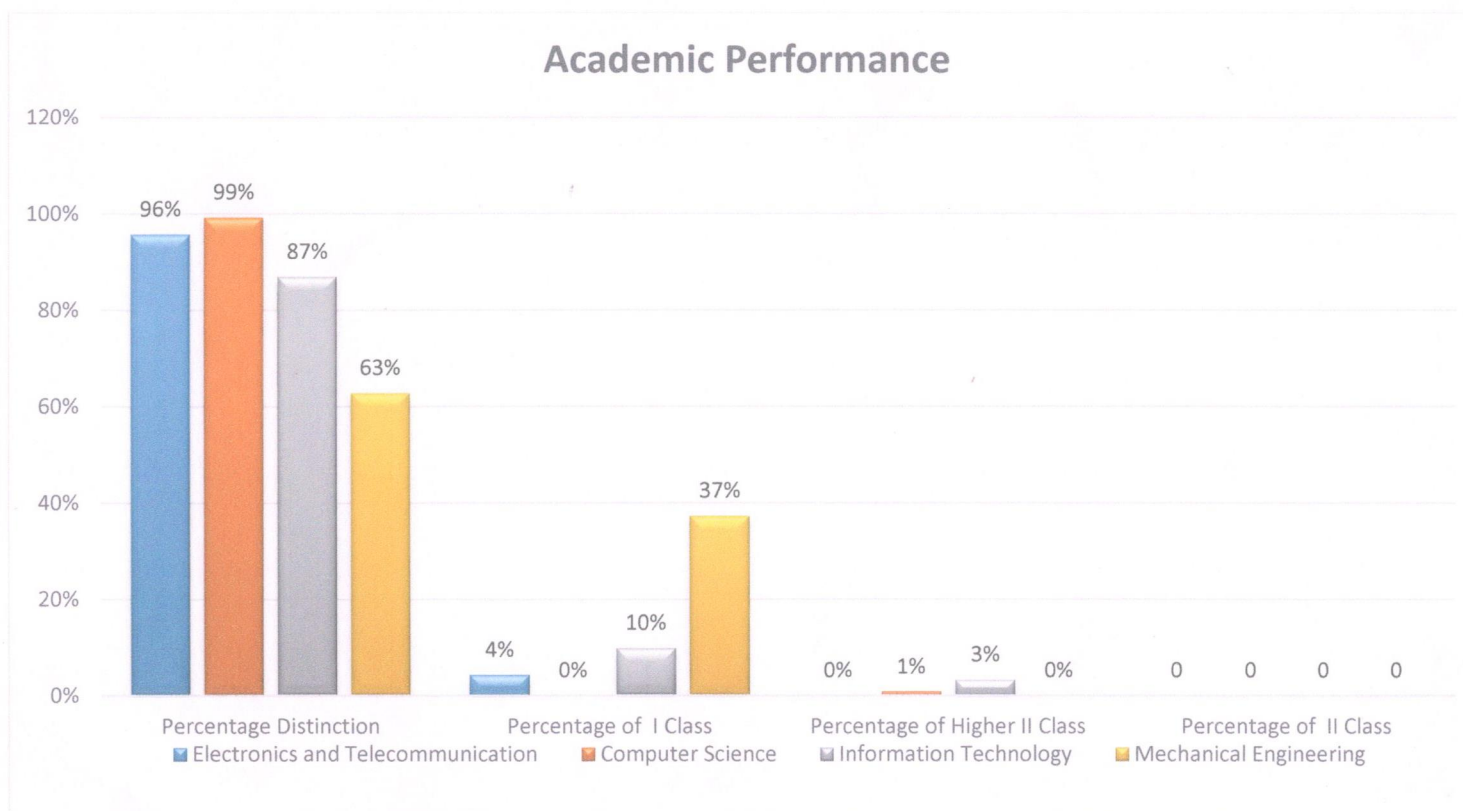


Graph 2: Result Analysis of Final Year students for AY 2023-24





Graph 3: Academic Performance of Final Year students for AY 2023-24





Analysis Report of AY 2023-24

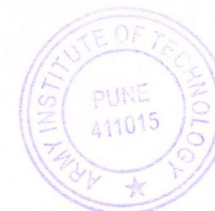
Observational Report Regarding Overall Result Analysis of Second Year, Third Year and Final Year Students:

Second Year Report:

Total number of students enrolled for Semester IV (Second Year) for AY 2023-24 were 361 out of which 295 students cleared the exam with no backlog. 50 students passed with ATKT. The total number of students who progressed to third year were 345. Hence the pass percentage was **95.57%**.

- 220 (75%) students cleared with **DISTINCTION**.
- 61 (21%) students scored **1st Class**
- 11 (4%) students passed with **Higher Second Class**
- 03 (1%) students passed with **Second Class**

Total 16 (4.43%) students **failed** and could not progress to third year.





Third Year Report:

Total number of students enrolled for Semester VI (Third Year) for AY 2023-24 were 352 out of which 334 students cleared the exam with no backlog. 18 students passed with ATKT. The total number of students who progressed to third year were 352. Hence the pass percentage was **100%**.

- 294 (88%) students cleared with **DISTINCTION**.
- 29 (9%) students scored **1st Class**
- 08 (2%) students passed with **Higher Second Class**
- 03 (1%) students passed with **Second Class**

No students failed hence all of them progressed to final year.





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Final Year Report:

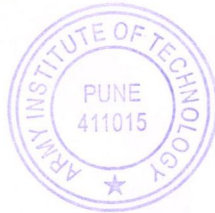
Total number of students enrolled for Semester VIII (Final Year) for AY 2023-24 were 358 out of which 353 students cleared the exam with no backlog. The pass percentage was 99%.

- 320 (91%) students cleared with **DISTINCTION**.
- 30 (8%) students scored **1st Class**
- 03 (1%) students passed with **Higher Second Class**
- 05(1%) students failed in final year.

Dr. Sushma Patil

Presiding Officer

**IQAC Co-ordinator
Army Institute of Technology
Dighi Hills, Pune-411 015**



Dr. B P Patil

Principal

**Principal
Army Institute of Technology
Dighi Hills, Pune - 411015**

Brig Abhay A Bhat

Director

**Director
Army Institute of Technology
Dighi Hills, Pune - 411015.**