



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 2019-2020

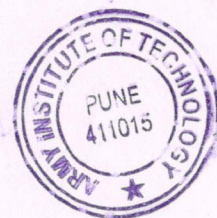
Introduction:

Our students are the most valuable asset of our institute. The institute is dedicated to producing well-rounded engineering graduates who will become future leaders in technology and entrepreneurship, committed to innovation, sustainability, ethical practices, and advancing society with cutting-edge solutions. The Student Result Analysis Report is a comprehensive document that provides a detailed assessment of student performance data. This report serves as a link 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 discussed in the IQAC and HoD meetings. These reports offer the Head of the Department valuable insights to take effective steps towards improving the results and outcomes 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) Difficulty of students in understanding complex subjects.
- b) Students' preparedness and efforts.
- c) Teaching methodology and the effectiveness of the instructor.
- d) Insufficient attention in the formulation of question papers.
- e) Other factors such as exam cancellations or postponements.
- f) Poor teacher performance.
- g) Poor student performance to name a few.





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

Every year a team is appointed at department level to analyse the result of their respective department. This team submits the report to IQAC office for further action.

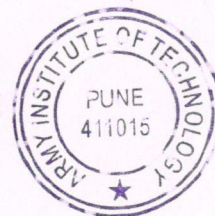
A committee is appointed at the institute level to access and analyse the outcomes of the 2019-20 academic year and prepare a comprehensive report.

This committee has conducted the result analysis for the following programs for the academic year 2019-20:

- 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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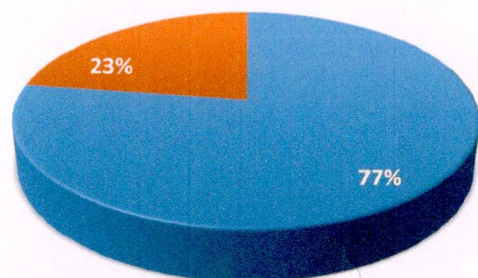
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Department of Applied Science and General Engineering

Result Analysis of Applied Science and General Engineering Students for AY 2019-20

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	309	303	234	69	0	77.22%	100.00%	153	74	7	0	1600
Percentage	-	98%	77%	23%	0%	77.22%	100.00%	65.38%	31.62%	2.99%	0%	-

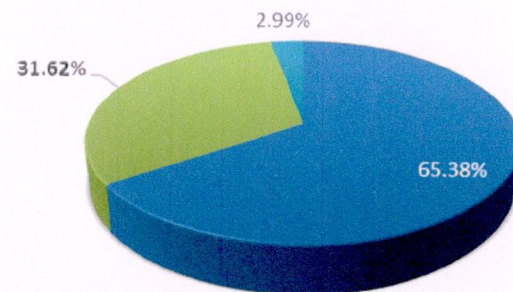
Result Analysis



■ All Clear (Nos)

■ ATKT

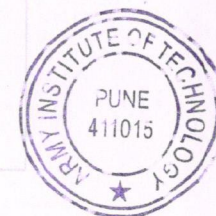
Academic Performance Summary



■ No of Distinction

■ No of I Class

■ No of Higher II Class





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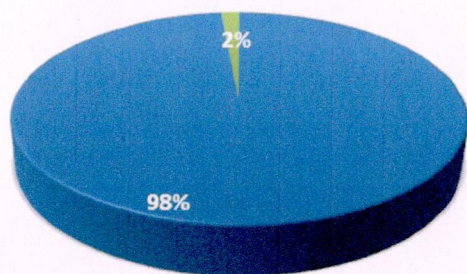
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Department of Electronics and Telecommunication

Result Analysis of Second Year E&TC Students for AY 2019-20

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	Marks (Total)
Electronics and Tele Communication	64	64	63	1	0	98.44%	100.00%	55	7	0	1	1400
Percentage	-	100%	98%	2%	0%	98.44%	100.00%	87.30%	11.11%	0%	1.59%	-

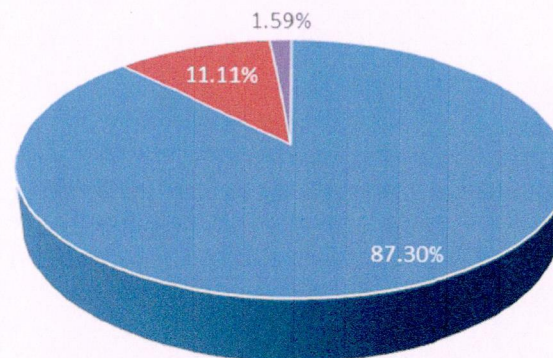
Result Analysis



■ All Clear (Nos)

■ ATKT

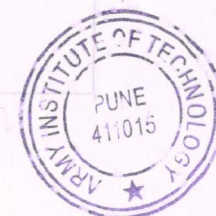
Academic Performance Summary



■ No of Distinction

■ No of I Class

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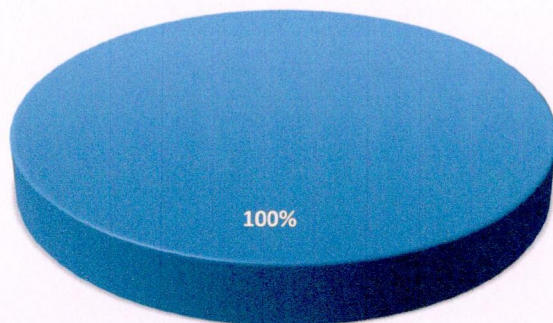
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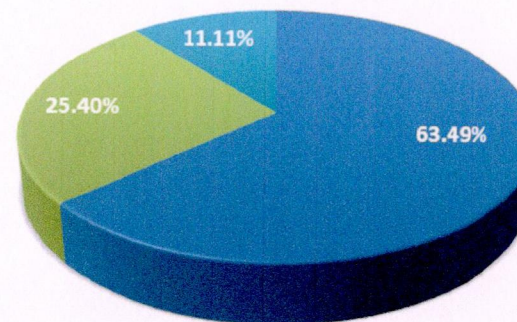
Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	ATK T	Year Down	% All Clear (Out of Total Appeared)	% with ATKT (Out of Total Appeared)	No of Distinction	No of I Class	No of Higher II Class	No Of II Class	Max Marks (Total)
Electronics and Tele Communication	63	63	63	0	0	100%	100%	40	16	7	0	1400
Percentage	-	100%	100%	0%	0%	100%	100%	63.49%	25.40%	11.11%	0%	-

Result Analysis

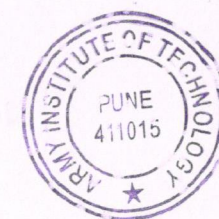


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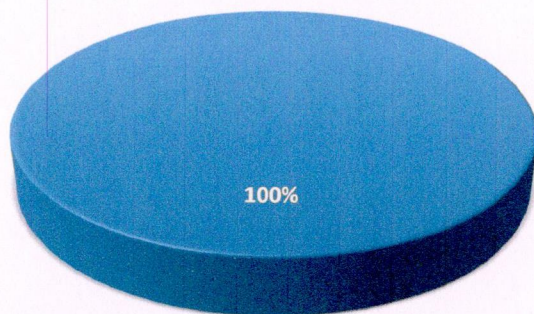
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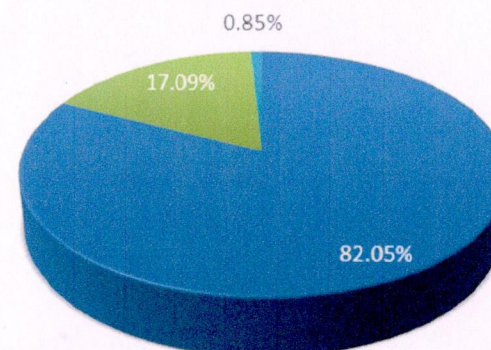
Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	Year Down	% All Clear (Out of Total Appeared)	No of Distinction	No of I Class	No of Higher II Class	No of II Class	Max Marks (Total)
Electronics and Telecommunication	117	117	117	0	100%	96	20	1	0	1400
Percentage	-	100%	100%	0%	100%	82.05%	17.09%	0.85%	0%	-

Result Analysis

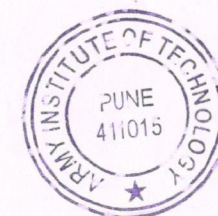


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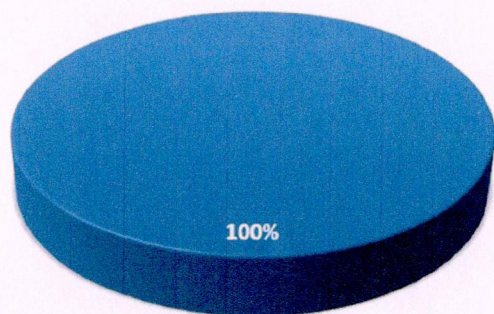
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Department of Computer Science

Result Analysis of Second Year Computer students for AY 2019-20

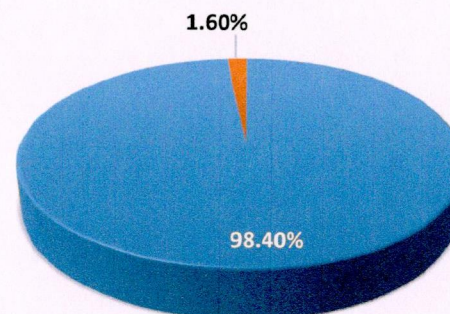
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Computer Science	125	125	125	0	0	100%	100%	123	2	0	0	1400
Percentage	-	100%	100%	0%	0%	100%	100%	98.40%	1.60%	0%	0%	-

Result Analysis

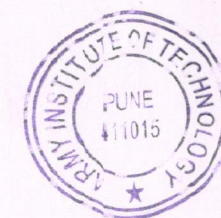


■ All Clear (Nos)

Academic Performance Summary



■ No of Distinction ■ No of I Class





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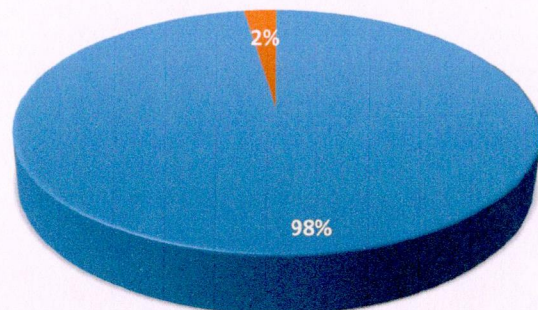
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Result Analysis of Third Year Computer students for AY 2019-20

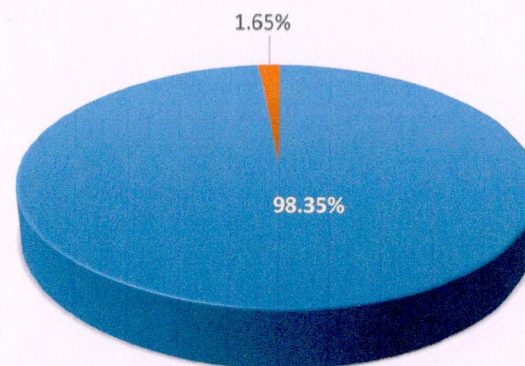
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Computer Science	124	124	121	3	0	97.59%	100%	119	2	0	0	1400
Percentage	-	100%	98%	2%	0%	97.59%	100%	98.35%	1.65%	0%	0%	-

Result Analysis



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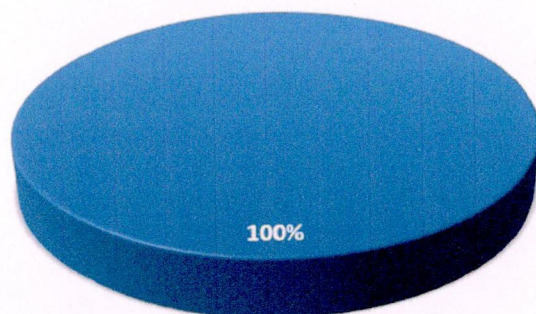
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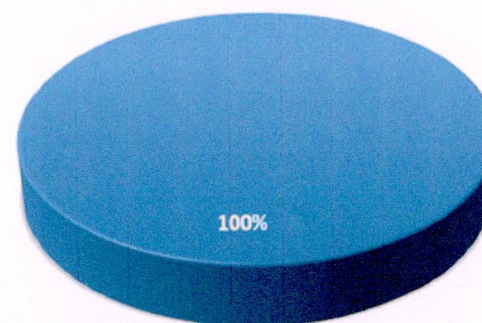
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Computer Science	118	118	118	0	100%	118	0	0	0	1400
Percentage	-	100%	100%	0%	100%	100%	0%	0%	0%	-

Result Analysis

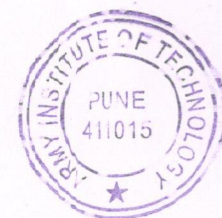


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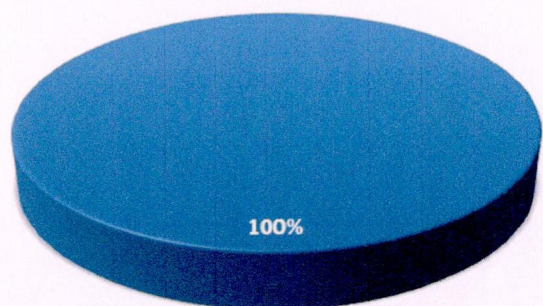
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Department of Mechanical Engineering

Result Analysis of Second Year Mechanical Students for AY 2019-20

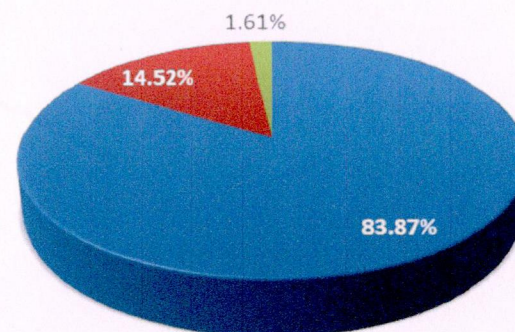
Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	ATKT	No of Failed or Year down	% All Clear (Out of Total Appeared)	% with ATKT (Out of Total appeared)	No of Distinction	No of I Class	No of Higher II Class	No of II Class	Max Marks (Total)
Mechanical Engineering	63	62	62	0	0	100%	100%	52	9	1	0	1400
Percentage	-	100%	100%	0%	0%	100%	100%	83.87%	14.52%	1.61%	0%	-

Result Analysis

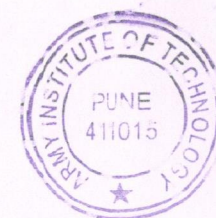


■ All Clear (Nos)

Academic Performance Summary



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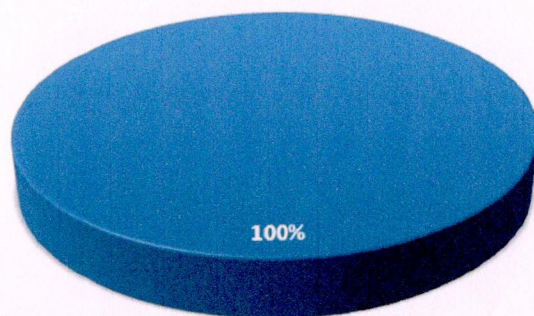
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Result Analysis of Third Year Mechanical students for AY 2019-20

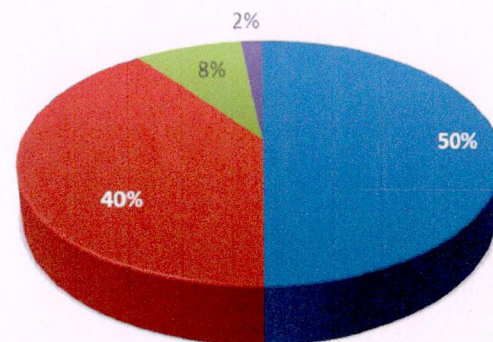
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Mechanical Engineering	60	60	60	0	0	100%	100%	30	24	5	1	1400
Percentage	-	100%	100%	0%	0%	100%	100%	50%	40%	8%	2%	-

Result Analysis

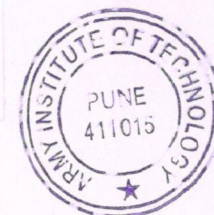


■ All Clear (Nos)

Academic Performance Summary



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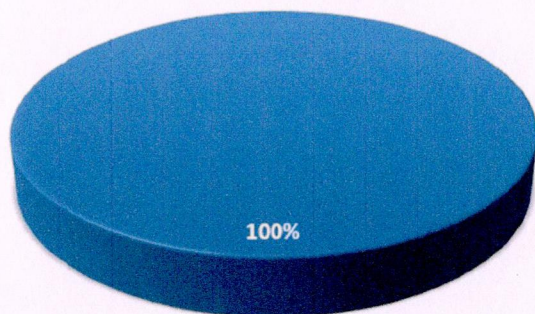
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Result Analysis of Final Year Mechanical students for AY 2019-20

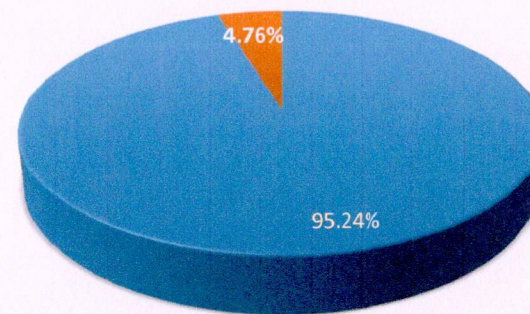
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Mechanical Engineering	63	63	63	0	100%	60	3	0	0	1500
Percentage	-	100%	100%	0%	100%	95.24%	4.76%	0%	0%	-

Result Analysis



■ All Clear (Nos)

Academic Performance Summary



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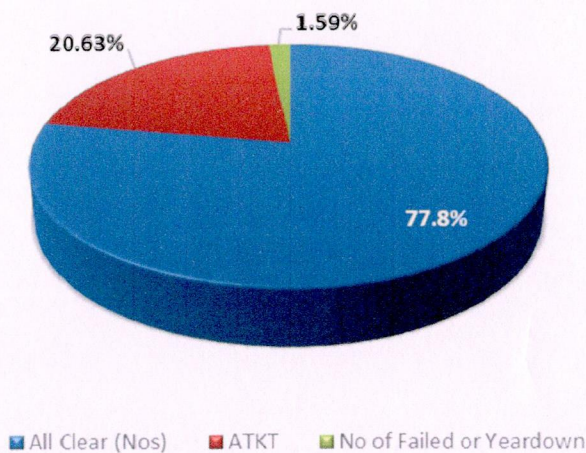
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Department of Information Technology

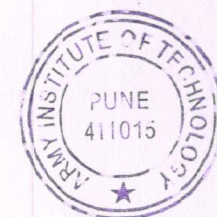
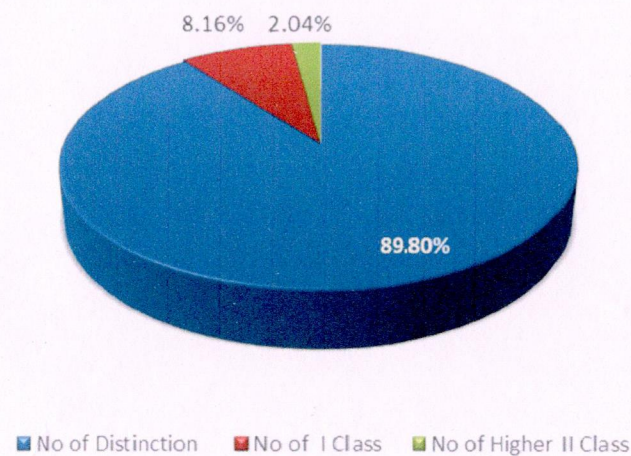
Result Analysis of Second Year Information Technology Students for AY 2019-20

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)
Information Technology	63	63	49	13	1	77.78%	98.41%	44	4	1	0	1400
Percentage	-	100%	77.8%	20.63%	1.59%	77.78%	98.41%	89.80%	8.16%	2.04%	0%	-

Result Analysis



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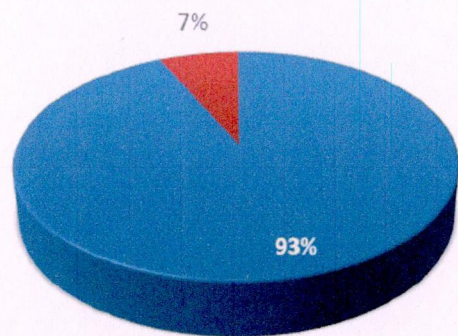
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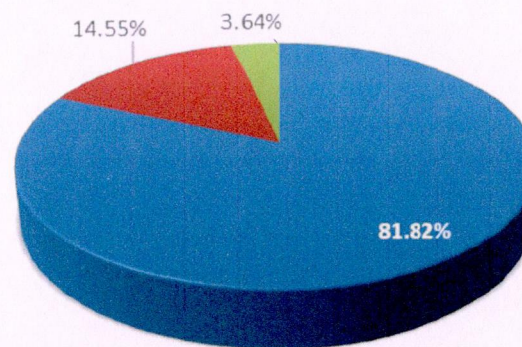
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Information Technology	59	59	55	4	0	93.22%	100%	45	8	2	0	1400
Percentage	-	100%	93%	7%	0%	93.22%	100%	81.82%	14.55%	3.64%	0%	-

Result Analysis

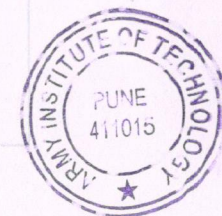


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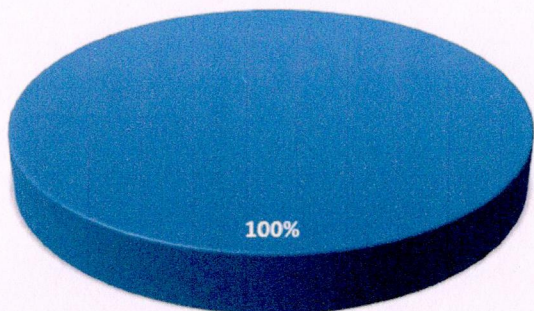
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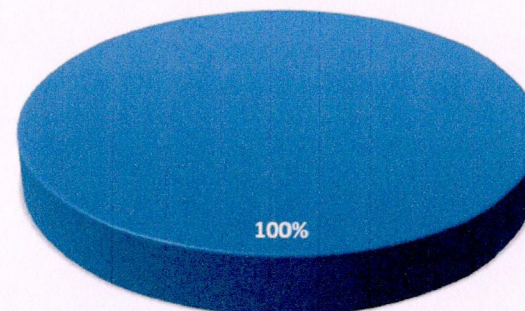
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Information Technology	60	60	60	0	100%	60	0	0	0	1400
Percentage	-	100%	100%	0%	100%	100%	0%	0%	0%	-

Result Analysis

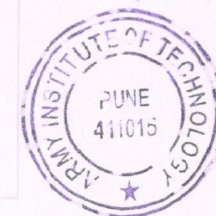


■ All Clear (Nos)

Academic Performance Summary



■ No of Distinction





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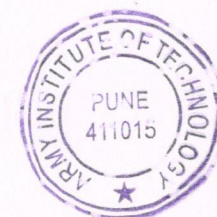
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Website : www.aitpune.com Email : ait@aitpune.edu.in

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Overall Academic Performance of First Year Students: AY 2019-20

	Applied Science and General Engineering
Total Enrolment (Nos)	309
Total Appeared (Nos)	303
All Clear (Nos)	234
ATKT	69
No of Failed or Yeardown	0
% All Clear(Out of Total Appeared)	77.22%
% with ATKT (Out of Total Appeared)	100%
No of Distinction	153
No of I Class	74
No of Higher II Class	7
No of II Class	0
Max Marks (Total)	1600





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

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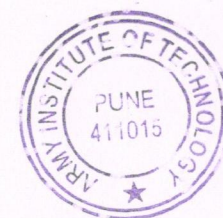
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First-year Rank Holders of all Programmes: AY 2019-20

	Applied Science and General Engineering
Class First Rank	Sumeet Kumar 9.7 SGPA
Class Second Rank	Manish Kumar Singh and Nikhil 9.52 SGPA
Class Third Rank	Amit Kumar 9.32 SGPA
No of Failure in 1 Subjects	33
No of Failure in 2 Subjects	11
No of Failure in 3 Subjects	6
No of Failure in 4 Subjects	3
No of Failure in More than 5 Subjects	10
Result Withheld	0





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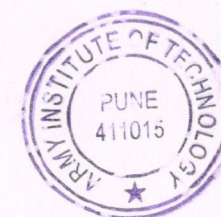
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Pass Percentage and Academic Performance of First Year Students for AY 2019-20

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)
Applied Science and General Engineering	309	303	234	69	0	77.22%	100.00%	153	65.38%	74	31.62 %	7	2.99%	0	0%	1600





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

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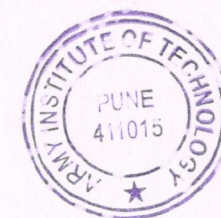
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Overall Academic Performance of Second Year Students: AY 2019-20

	Electronics and Telecommunication	Computer Science	Information Technology	Mechanical Engineering
Total Enrolment (Nos)	64	125	63	62
Total Appeared (Nos)	64	125	63	62
All Clear (Nos)	63	125	49	62
ATKT	1	0	13	0
No of Failed or Yeardown	0	0	1	0
% All Clear(Out of Total Appeared)	98.44%	100%	77.78%	100%
% with ATKT (Out of Total Appeared)	100%	100%	98.41%	100%
No of Distinction	55	123	44	52
No of I Class	7	2	4	9
No of Higher II Class	0	0	1	1
No of II Class	1	0	0	0
Max Marks (Total)	1400	1400	1400	1400





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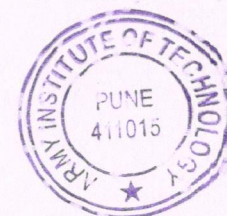
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Second-year Rank Holders of all Programmes: AY 2019-20

	Electronics and Telecommunication	Computer Science	Information Technology	Mechanical Engineering
Class First Rank	DIPESH KUMAR 9.98 (SGPA)	AKASH 9.68 (SGPA)	KUNAL KHANRA 9.68 (SGPA)	HARSHVARDHA N SINGH 9.78 (SGPA)
Class Second Rank	MAHESH B. BHOSALE 9.78 (SGPA)	AKSHIT MAMGAN 9.60 (SGPA)	AKASH BHATI 9.62 (SGPA)	MANISH KUMAR 9.66 (SGPA)
Class Third Rank	GAURAV MISHRA 9.58 (SGPA)	ANJALI 9.56 (SGPA)	SAURAV CHAUHAN 9.50 (SGPA)	MANISH KUMAR 9.56 (SGPA)
No of Failure in 1 Subjects	1	0	9	0
No of Failure in 2 Subjects	0	0	3	0
No of Failure in 3 Subjects	0	0	1	0
No of Failure in 4 Subjects	0	0	0	0
No of Failure in More than 5 Subjects	0	0	1	0
Result Withheld	0	0	0	0





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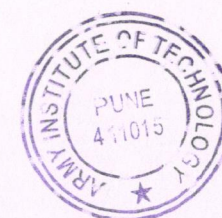
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Pass Percentage and Academic Performance of Second Year Students for AY 2019-20

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 Telecommunication	64	64	63	1	0	98.44%	100%	55	87.30%	7	11.11%	0	0%	1	1.59%	1400
Computer Science	125	125	125	0	0	100%	100%	123	98.40%	2	1.60%	0	0%	0	0%	1400
Information Technology	63	63	49	13	1	77.78%	98.41%	44	89.80%	4	8.16%	1	2.04%	0	0%	1400
Mechanical Engineering	62	62	62	0	0	100%	100%	52	83.87%	9	14.52%	1	1.61%	0	0%	1400





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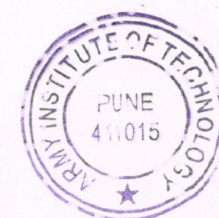
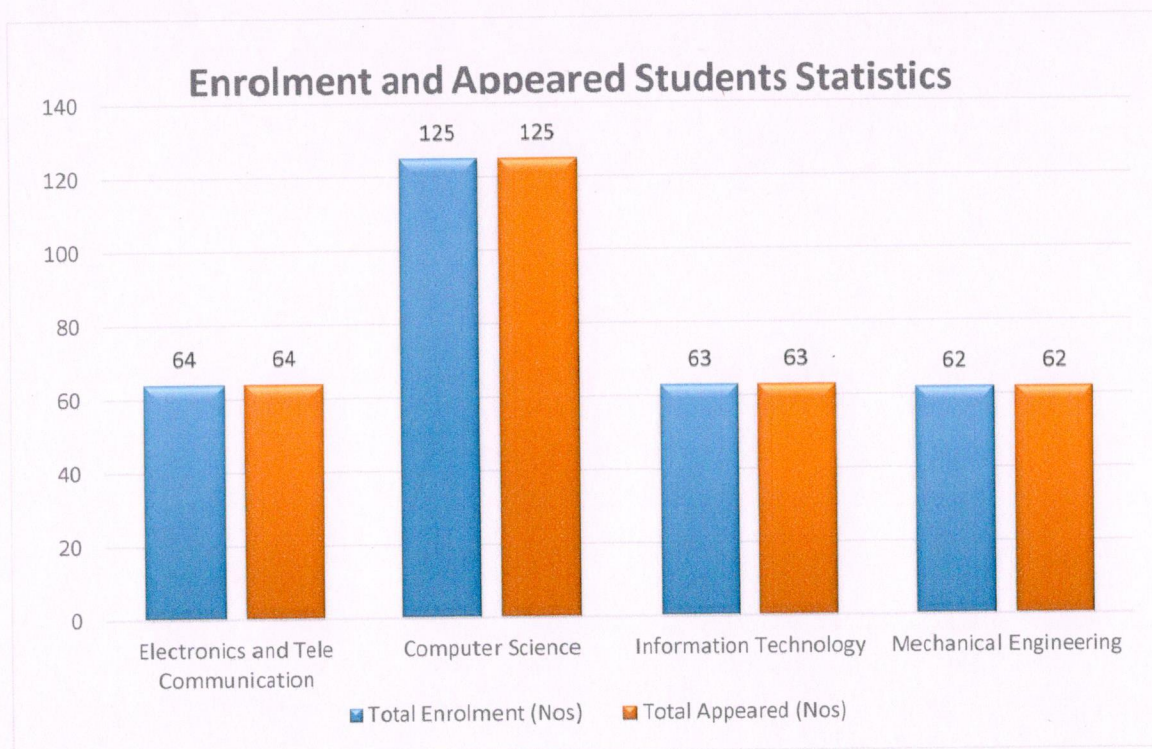
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Graph 1: Pass Percentage of Second Year Students for AY 2019-20





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

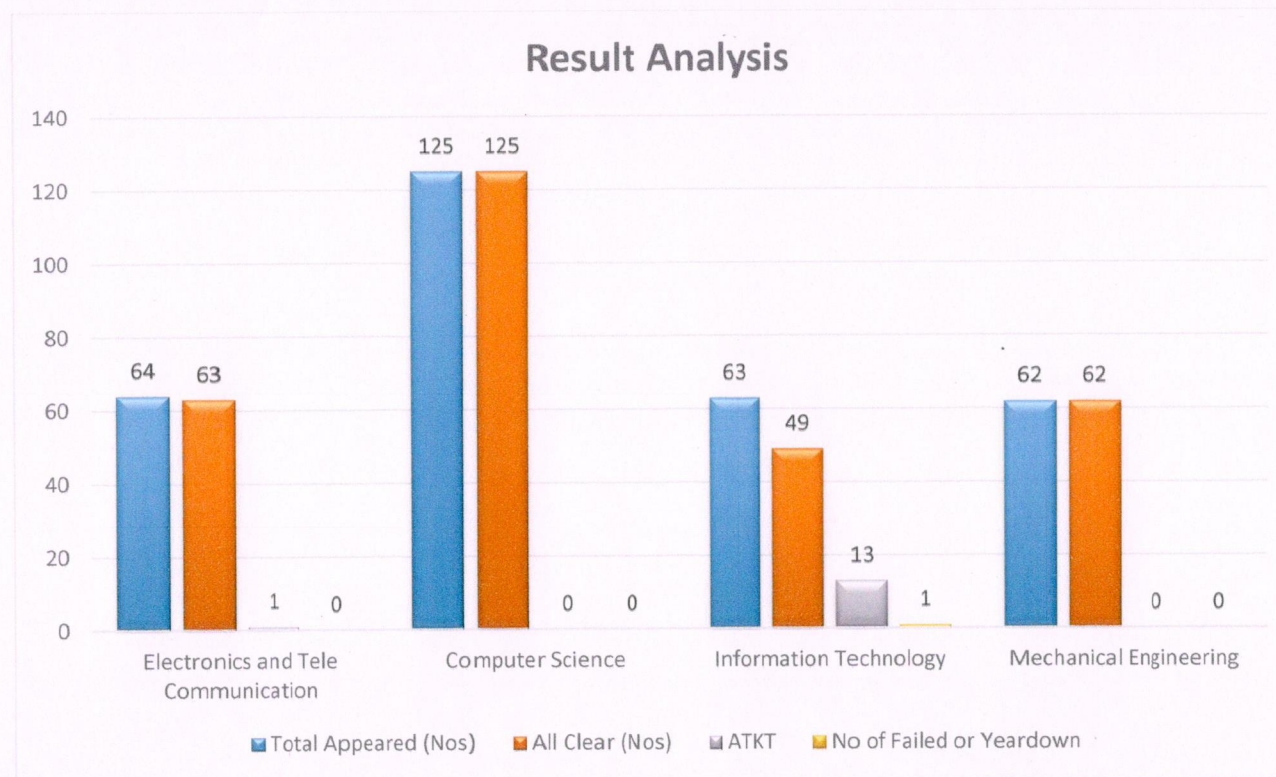
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Graph 2: Result Analysis of Second Year Students for AY 2019-20





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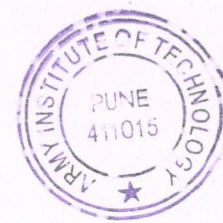
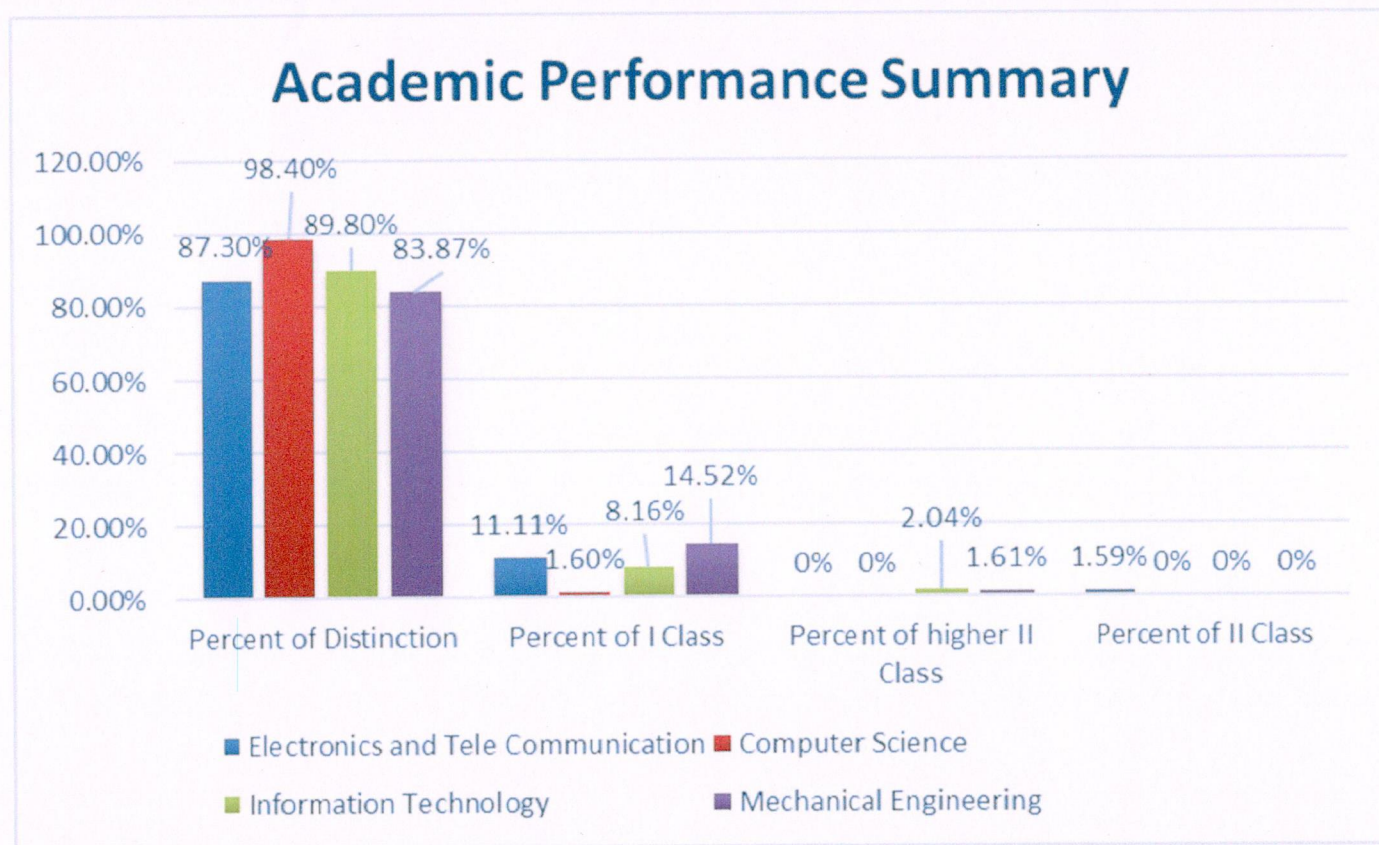
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Graph 3: Academic Performance of Second Year Students for AY 2019-20





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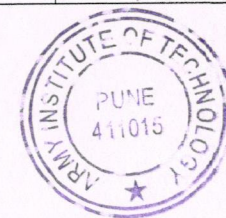
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Overall Academic Performance of Third Year Students: AY 2019-20

	Electronics and Telecommunication	Computer Science	Information Technology	Mechanical Engineering
Total Enrolment (Nos)	63	124	59	60
Total Appeared (Nos)	63	124	59	60
All Clear (Nos)	63	121	55	60
ATKT	0	3	4	0
Year Down	0	0	0	0
% All Clear(Out of Total Appeared)	100%	97.59%	93.22%	100%
% with ATKT (Out of Total Appeared)	100%	100%	100%	100%
No of Distinction	40	119	45	30
No of I Class	16	2	8	24
No of Higher II Class	7	0	2	5
No of II Class	0	0	0	1
Max Marks (Total)	1400	1400	1400	1400





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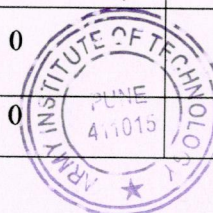
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Third-year Rank Holders of all Programmes: AY 2019-20

	Electronics and Telecommunication	Computer Science	Information Technology	Mechanical Engineering
Class First Rank	DIVYA SINGH 9.67 (SGPA)	ARCHANA SAINI 9.67 (SGPA)	PRADEEP KUMAR 9.63 (SGPA)	VISHAL NAYAK 9.09 (SGPA)
Class Second Rank	UPASANA SINGH 9.59 (SGPA)	ASHWANI PONIA 9.63 (SGPA)	RISHABH KUMAR SINGH 9.52 (SGPA)	MOHIT CHOUDHARY 9.09 (SGPA)
Class Third Rank	SWATIKA KATOCH 9.57 (SGPA)	AKASH RAJAN VERMA 9.57 (SGPA)	HARISH TOMAR 9.41 (SGPA)	ABHISHEK DWIVEDI 8.83 (SGPA)
No of Failure in 1 Subjects	0	1	3	0
No of Failure in 2 Subjects	0	2	0	0
No of Failure in 3 Subjects	0	0	0	0
No of Failure in 4 Subjects	0	0	1	0
No of Failure in More than 5 Subjects	0	0	0	0
Result Withheld	0	0	0	0





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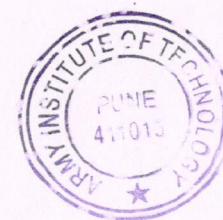
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Pass Percentage and Academic Performance of Third Year Students: AY 2019-20

Department	Total Enrolment (Nos)	Total Appeared (Nos)	All Clear (Nos)	AT KT	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 Telecommunication	63	63	63	0	0	100%	100%	40	63.49%	16	25.40%	7	11.11%	0	0%	1400
Computer Science	124	124	121	3	0	97.59%	100%	119	98.35%	2	1.65%	0	0%	0	0%	1400
Information Technology	59	59	55	4	0	93.22%	100%	45	81.82%	8	14.55%	2	3.64%	0	0%	1400
Mechanical Engineering	60	60	60	0	0	100%	100%	30	50.00%	24	40.00%	5	8.33%	1	1.67%	1400





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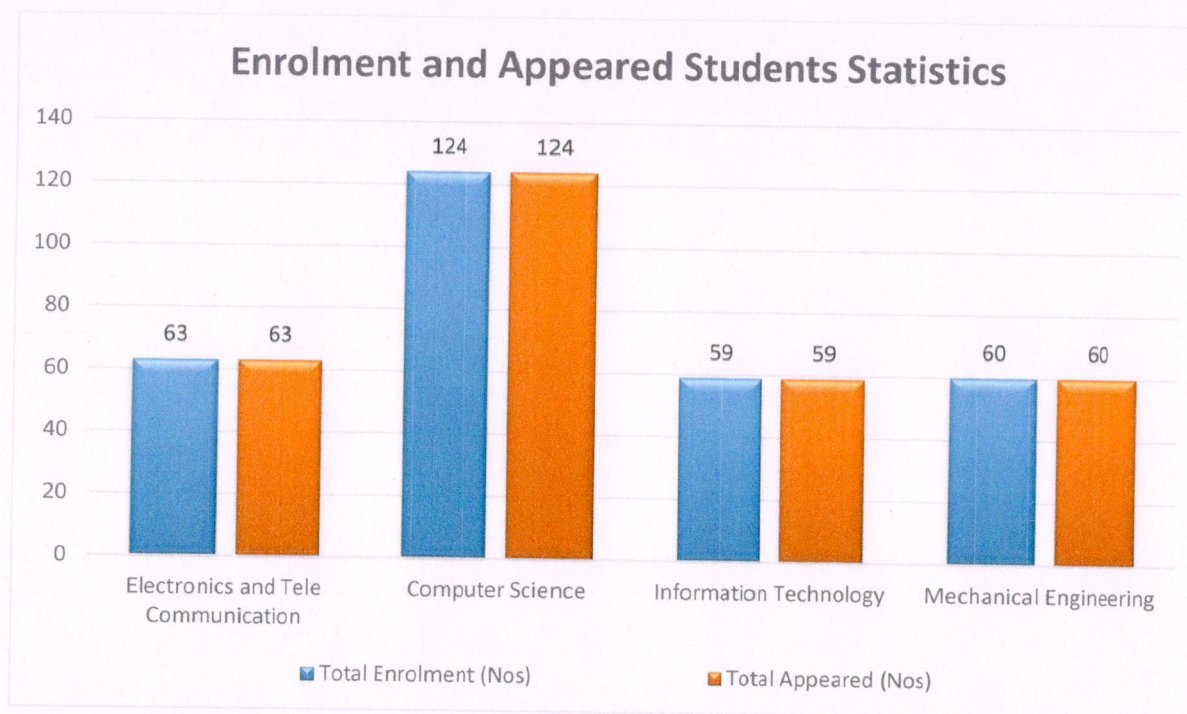
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Graph 1: Pass Percentage of Third Year Students for AY 2019-20





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

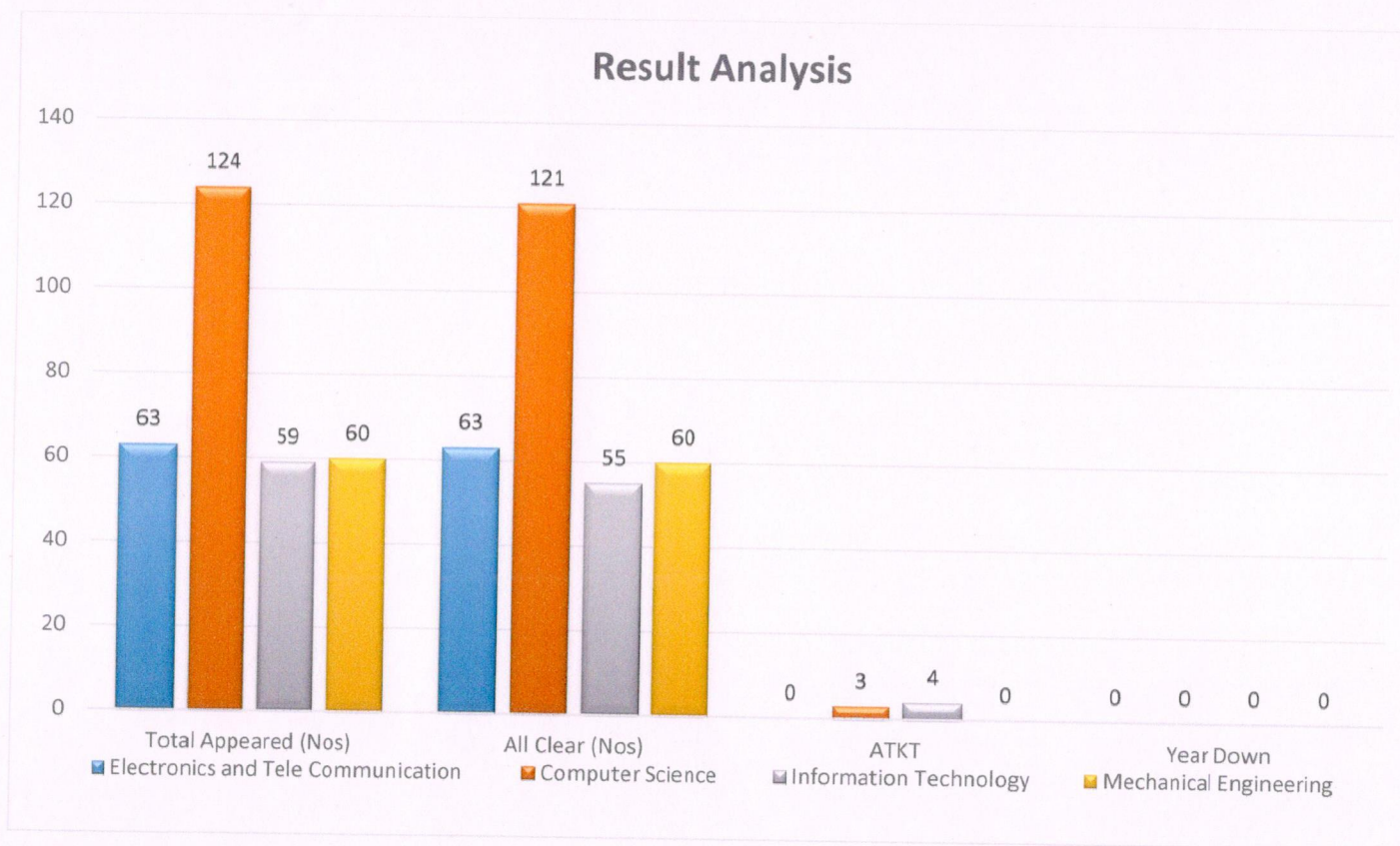
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Graph 2: Result Analysis of Third Year Students for AY 2019-20





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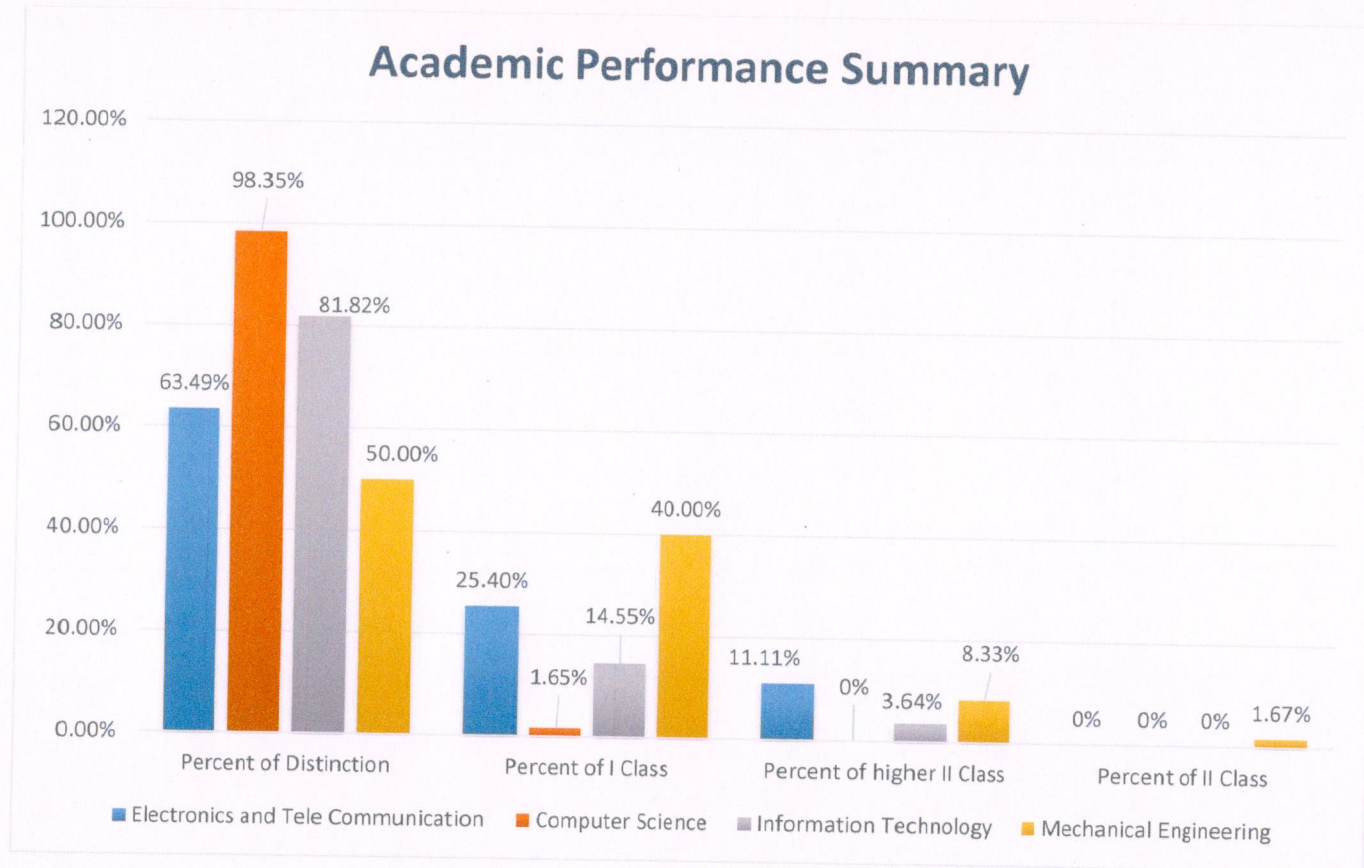
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Graph 3: Academic Performance of Third Year Students for AY 2019-20





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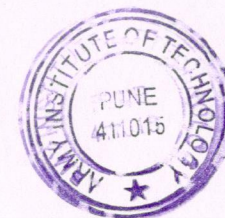
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Result Analysis of Final Year students: AY 2019-20

	Electronics and Telecommunication	Computer Science	Information Technology	Mechanical Engineering
Total Enrolment (Nos)	117	118	60	63
Total Appeared (Nos)	117	118	60	63
All Clear (Nos)	117	118	60	63
Year Down	0	0	0	0
% All Clear(Out of Total Appeared)	100%	100%	100%	100%
No of Distinction	96	118	60	60
No of I Class	20	0	0	3
No of Higher II Class	1	0	0	0
No of II Class	0	0	0	0
Max Marks (Total)	1400	1400	1400	1500





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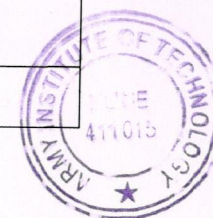
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Final-year Rank Holders of all Programmes: AY 2019-20

	Electronics and Telecommunication	Computer Science	Information Technology	Mechanical Engineering
Class First Rank	SHIVANI BHANDARI 9.77 (CGPA)	MANISH KUMAR 9.39 (CGPA)	A SHIVA KRISHNA 9.73 (CGPA)	SWADESH SUMAN 9.49 (CGPA)
Class Second Rank	VINISH KUMAR 9.66 (CGPA)	POOJA SINGH 9.39 (CGPA)	HIMANSHU CHANDEL 9.66 (CGPA)	UDAR GANESH 9.27 (CGPA)
Class Third Rank	AKSHAY TIWARI 9.55 (CGPA)	GARIMA 9.35 (CGPA)	SOURAV SHARMA 9.64 (CGPA)	HIMANSHU 9.18 (CGPA)
No of Failure in 1 Subjects	0	0	0	0
No of Failure in 2 Subjects	0	0	0	0
No of Failure in 3 Subjects	0	0	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





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Pass Percentage and Academic Performance of Final Year: AY 2019-20

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 Telecommunication	117	117	117	0	100%	96	82.05%	20	17.09%	1	0.85%	0	0%	1400
Computer Science	118	118	118	0	100%	118	100%	0	0%	0	0%	0	0%	1400
Information Technology	60	60	60	0	100%	60	100%	0	0%	0	0%	0	0%	1400
Mechanical Engineering	63	63	63	0	100%	60	95.24%	3	4.76%	0	0%	0	0%	1500





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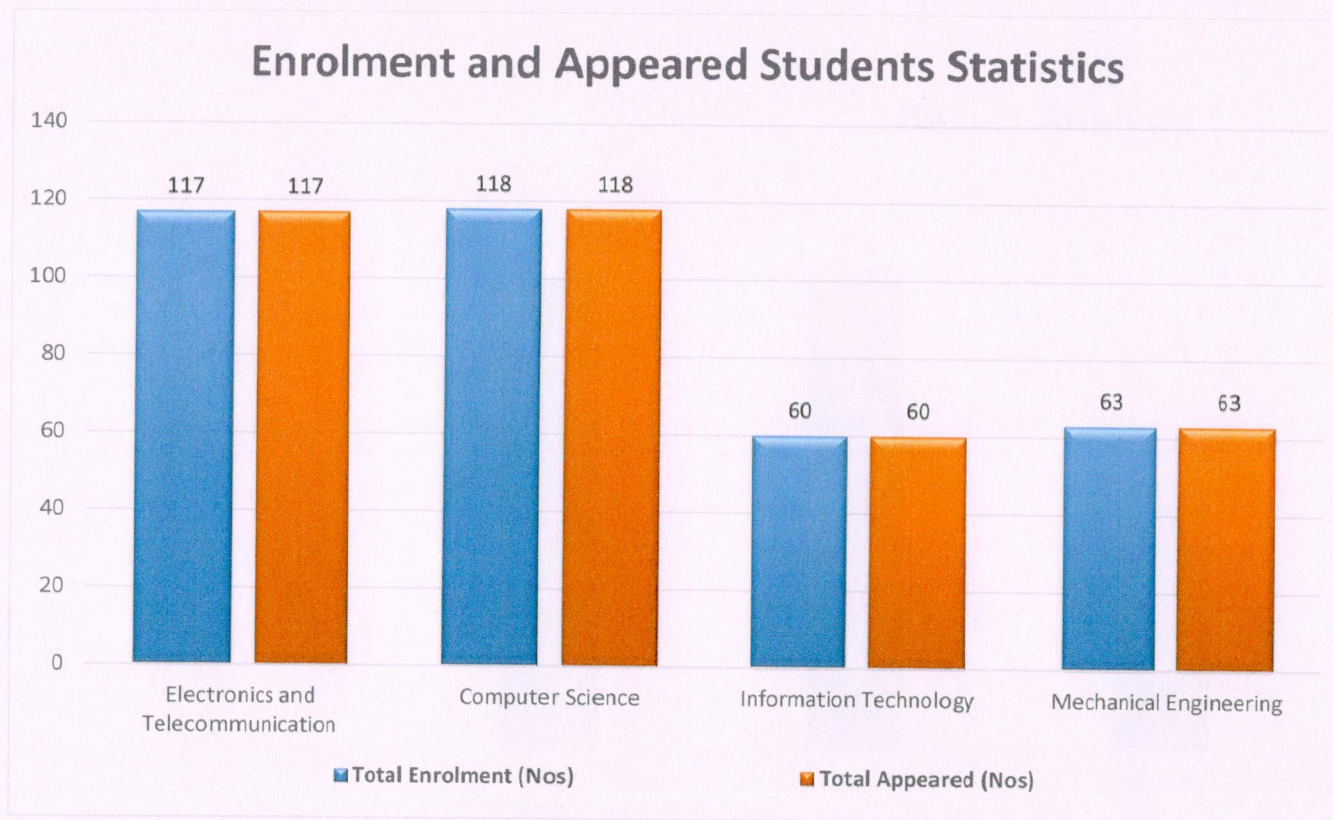
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Graph 1: Pass Percentage of Final Year students for AY 2019-20





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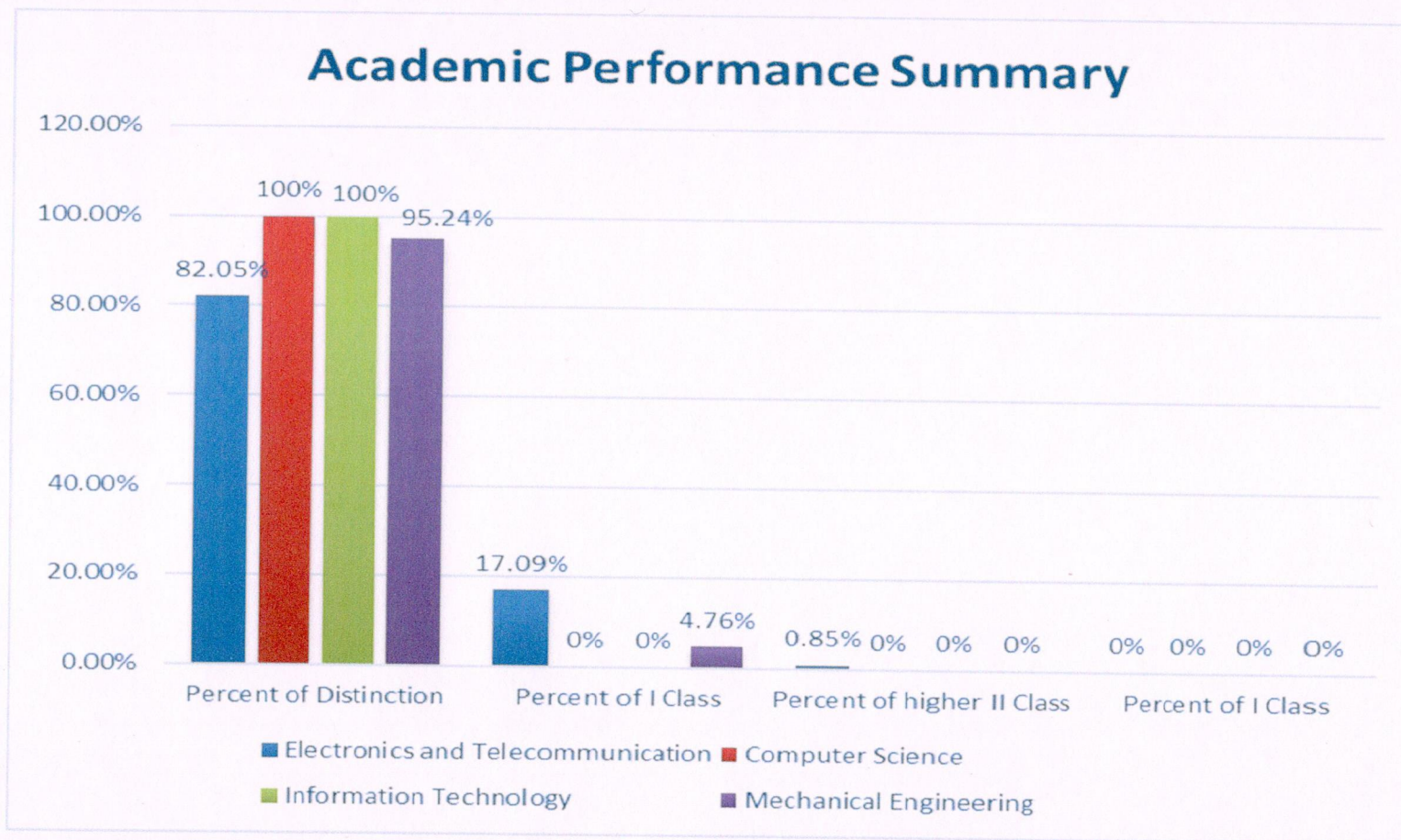
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Graph 3: Academic Performance of Final Year students for AY 2019-20





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Analysis Report of AY 2019-20

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 2019-20 were 314 out of which 299 students cleared the exam with no backlog. 14 students passed with ATKT. The total number of students who progressed to third year were 313. Hence the pass percentage was 99.68%

- 274 (91.64%) students cleared with **DISTINCTION**.
 - 22 (7.35%) student scored **1st Class**
 - 2 (0.67%) student scored **Higher 2nd Class**
 - 1 (0.33%) student scored **2nd Class**
- 1 (0.31%) student failed in Second year and not progressed to Third year.

Third Year Report:

Total number of students enrolled for Semester VI (Third Year) for AY 2019-20 were 306 out of which 299 students cleared the exam with no backlog. 7 students passed with ATKT. The total number of students who progressed to third year were 300. Hence the pass percentage was 100%.

- 234 (78.26%) students cleared with **DISTINCTION**.
- 50 (16.72%) student scored **1st Class**
- 14 (4.68%) student scored **Higher 2nd Class**
- 1 (0.33%) student scored **2nd 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 2019-20 were 358 out of which 358 students cleared the exam with no backlog. The pass percentage was 100%.

- 334 (93.30%) students cleared with **DISTINCTION**.
- 23 (6.42%) students scored **1st Class**
- 1 (0.28%) student scored **Higher 2nd Class**

Conclusion:

The result analysis for the academic year 2019-20 shows positive outcomes across all semesters. For Semester IV (Second Year), a total of 314 students were enrolled, out of 299 students cleared the exam and 14 students passed with ATKT, with 99.68 % progressing to third year, reflecting good academic performance. In semester VI (Third Year), out of 306 students, 299 cleared the exam with no backlog and 7 students passed with ATKT, contributing to high pass rate. Finally, in Semester VIII (Final Year), 358 students were enrolled and cleared, leading to pass percentage of 100%.

These outcomes demonstrate excellent academic achievement and are a compliment to the students' dedication and dedication as well as the efficient academic support they received. Reducing the proportion of students with ATKT and increasing overall student achievement should be the key goals of future efforts to maintain and further improve overall performance.

Sushma
03/04/25
Dr. Sushma A Patil
Presiding Officer



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