

# Analysis of Students' Performance

School-based and  
HSLC & HSSLC  
Examinations 2023

&

Performance of School  
(Govt. & Private)  
for the last five years



**Nagaland Board of School Education**  
**Kohima**

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## *Preface*

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I am pleased to present a report on the Analysis of the performance of Candidates in Internal and External Assessments at the HSLC and HSSLC Examinations 2023 with special focus on the candidates who have applied for re-scrutiny. In the analysis, a comparison of the Midterm Examination and Final Examination 2023 has also been made.

Assessment is an integral part of learning. Teaching, learning and assessment cannot be separated. Assessment of the students helps teachers to measure the effectiveness of their classroom teaching by determining/linking the students' performance to the learning objectives or outcomes. So also, to identify students' strengths and weaknesses and the gaps that they may have in the learning process, and to give remedial measures so as to help the students to learn better.

It has been observed that there is an increasing trend of Needs Improvement category of students applying for re-scrutiny. Usually, the applicants are those who have not performed well or secured single digit mark in subjects like Mathematics, Science and/or Social Sciences, and securing just the qualifying mark, i.e. (40-50) % in other subjects. It has been found that their marks remain unchanged after re-scrutiny.

This study is an attempt to evaluate the overall performance of candidates, i.e. their expectations at the Final Examinations conducted by the Board and their achievements/performances in Internal Assessments conducted by the schools.

Some features and key focus of this report are:

1. Subject-wise re-scrutiny Applicants performances at the Internal, Midterm Examination and Final HSLC Examination 2023.
2. Re-scrutiny Applicants performance at the Internal, Midterm and Final HSSLC Examinations 2023.
3. Depiction of Overall performance at the Internal, Midterm and Final Examinations to know where the different categories of Performances stand.
4. Percentages of Consistent and Inconsistent Performances at the Internal and External Assessments.
5. Percentage of different mark range of Internal and External Marks.
6. Performance at HSLC and HSSLC Examinations for the last five years, from 2019-2023.

I hope this relative study will help to identify where the different categories of Performances stand in relation to their achievements at Internal and External Assessments in different subjects.

Though extreme care has been taken to make the report error free, I shall be grateful if any mistake or omission detected in the book can be brought to our notice. Your valuable feedback on the study is welcomed.

Dated:



( Asano Sekhose )

**Chairman**

**HSLC**

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## *Performance Analysis of Re-scrutiny Applicants at the Internal, Midterm Examination and Final HSLC Examination 2023*

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### Introduction:

This is a comparative study of the performance of Re-scrutiny Applicants at the Midterm Examination and Final HSLC Examination 2023, taking both Internal and External Assessments into consideration.

The aim of this study was to:

1. show the impact of the two types of assessments on students' achievement,
2. look into the performance of Re-scrutiny Applicants at the Internal and External Assessments,
3. look into the candidates' expectations at the Final Examination, given their performances in Internal Assessments.

### *Re-scrutiny Applicants performance at the Internal, Midterm Examination and Final HSLC Examination 2023:*

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#### Mathematics

**Total applicants: 17**

Applicant Number	Internal (20 marks)	External (80 marks)	
		Mid Term	Final
1	17	10	11
2	14	1	12
3	20	37	76
4	15	45	2
5	15	5	9
6	15	16	8
7	12	2	12
8	17	16	1
9	18	5	4
10	15	2	18
11	20	30	19
12	16	35	9
13	20	50	45
14	14	9	5
15	14	4	2
16	17	32	13
17	20	32	55

**Note:**

1. Applicant No. 4 secured 15 (which is 75%) in Internal, whereas marks secured in Midterm and Final Examinations were 45 (which is 56.25%) and 2 (which is 2.5%) respectively. This shows an Inconsistent Performance.

It may be noted that the mark *remained unchanged* after re-scrutiny. The marks secured at school-based assessments are not consistent with the Board Examination. This jarring variation in the performances leads us to question what could be the reason for the poor performance. Could it be the type of questions administered in the examinations, or assessments at the school level not conforming to the Board's design of questions papers, or are marks inflated? The problem with mark inflation is that, students who receive both higher grades and leeway at school-based assessments are unaware that their work is not up to the standard.

2. Applicant No. 3 secured 20 (which is 100%) in Internal, whereas marks secured in Midterm and Final Examinations were 37 (which is 46.25%) and 76 (which is 95%), respectively. This shows a Consistent Performance.

Even though, the performance was consistent throughout the academic year, it did not meet the applicant's expectations and he/she applied for re-scrutiny. It may be noted that the mark *remained unchanged* after re-scrutiny. Further, it may be inferred that the applicant does not have proper estimation of his/her own ability/performance.

**English**

**Total applicants: 7**

Internal (20 marks)	External (80 marks)	
	Midterm	Final
15	26	19
17	34	19
13	20	21
20	67	67
20	68	65
19	67	55
19	64	60

**Science**

**Total applicants: 27**

Internal (20 marks)	External (80 marks)	
	Mid Term	Final
16	19	10
17	37	10
17	29	12
15	46	4
16	15	13
15	15	8

20	75	74
14	26	18
16	8	13
17	32	7
17	20	37
17	8	8
20	39	59
20	34	69
18	32	16
17	32	45
15	20	4
15	6	6
20	60	49
19	37	48
20	48	68
20	54	63
17	14	32
14	3	3
18	16	16
20	42	59
20	61	67

**Social Sciences**

**Total applicants: 10**

Internal (20 marks)	External (80 marks)	
	Mid Term	Final
15	10	18
17	20	13
20	34	54
18	34	15
18	32	58
20	61	56
16	17	20
15	17	8
20	25	13
18	16	8

**Second Language****Total applicants: 12**

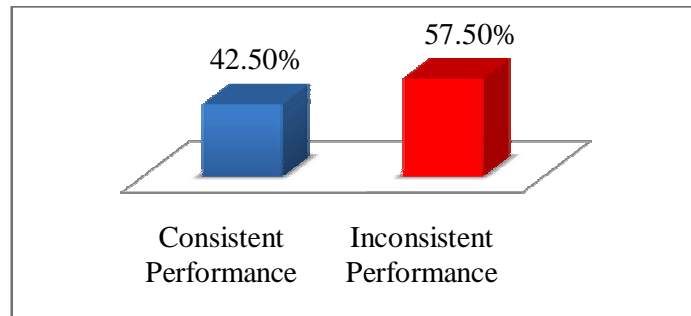
Sub	Internal (20 marks)	External (80 marks)	
		Mid Term	Final
E	19	27	20
E	18	65	56
E	16	33	17
T	20	58	74
E	20	65	67
E	20	66	67
E	20	66	61
E	20	74	68
E	20	69	63
E	20	65	64
E	19	62	45
H	20	76	71

**Sixth/Vocational Subjects****Total applicants: 7**

Sub	Internal (20 marks)	External (80 marks)	
		Mid Term	Final
MV	37	37	7
IV	46	42	41
EE	15	43	17
EE	16	64	20
EE	20	35	12
FI	30	64	54
MS	30	62	56

**Overall Percentage of HSLCE 2023 Re-scrutiny Applicants  
Performance:**

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**FINDINGS:**

It is found that, there is significant difference between Re-scrutiny Applicants who had **Consistent Performance** in Internal and Final Assessments, both in Midterm Examination and Final Examination 2023, and those whose performance reduced by upto 40% at the Final Examination as compared to the Midterm Examination, labeled as **Inconsistent Performance**.

**Consistent Performance:**

The Overall Percentage of HSLC 2023 Re-scrutiny Applicants that had Consistent Performance in Internal and Final Assessments, both in Midterm Examination and Final Examination 2023, is **42.50%** .

In spite of achieving consistent performance, the marks/grade secured in the Final HSLC Examination 2023 by these groups of students didn't meet their high expectations and applied for re-scrutiny.

**Inconsistent Performance:**

The Overall Percentage of HSLC 2023 Re-scrutiny Applicants that had Inconsistent Performance in Internal and Final Assessments, both in Midterm Examination and Final Examination 2023, is **57.50%** .

This group of students demonstrated very good performances in Internal Assessments and Midterm Examination, but scored comparatively very low marks in the Final HSLC Examination 2023. If proper assessment is not done at the school level and students are given inflated marks in the Internal, students will not have a fair idea of their abilities.

## REMARKS:

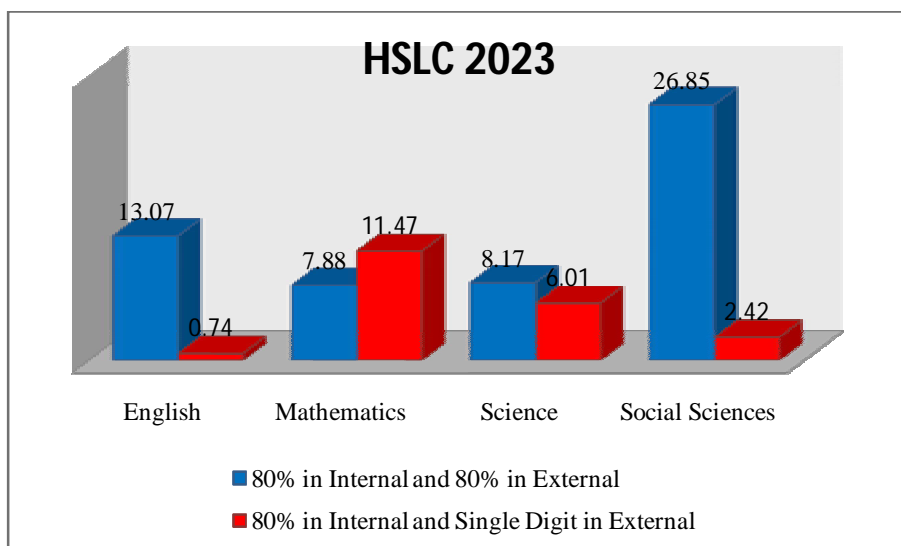
Schools should put in more effort to identify the gaps among the students and focus on the individual needs of the child. Proper assessment must be done at the school level, keeping in mind the syllabus and design of question papers of the Board.

The evaluation process of the Board's Examinations gets challenging and time consuming due to the correction of random markings by some Inconsistent Examiners. As such, Heads of Institutions must ensure that assessment done by the teachers at school level are consistent and gives true picture of performance and abilities of the student.

Necessary steps should be taken to identify the strengths and weaknesses of the students and remedial interventions given at various stages of education to address the varied needs and also motivate students to perform better.

### *Percentages of Consistent and Inconsistent Performance in Internal and External Assessments:*

<b>HSLC</b>	<b>80% in Internal and 80% in External</b>	<b>80% in Internal and Single Digit in External</b>
English	13.07	0.74
Mathematics	7.88	11.47
Science	8.17	6.01
Social Sciences	26.85	2.42



### HSLC Examination 2023:

In Social Sciences, English and Science, candidates who are scoring 80% in both Internal and External Assessments are higher than those scoring 80% in Internal and Single Digit in External.

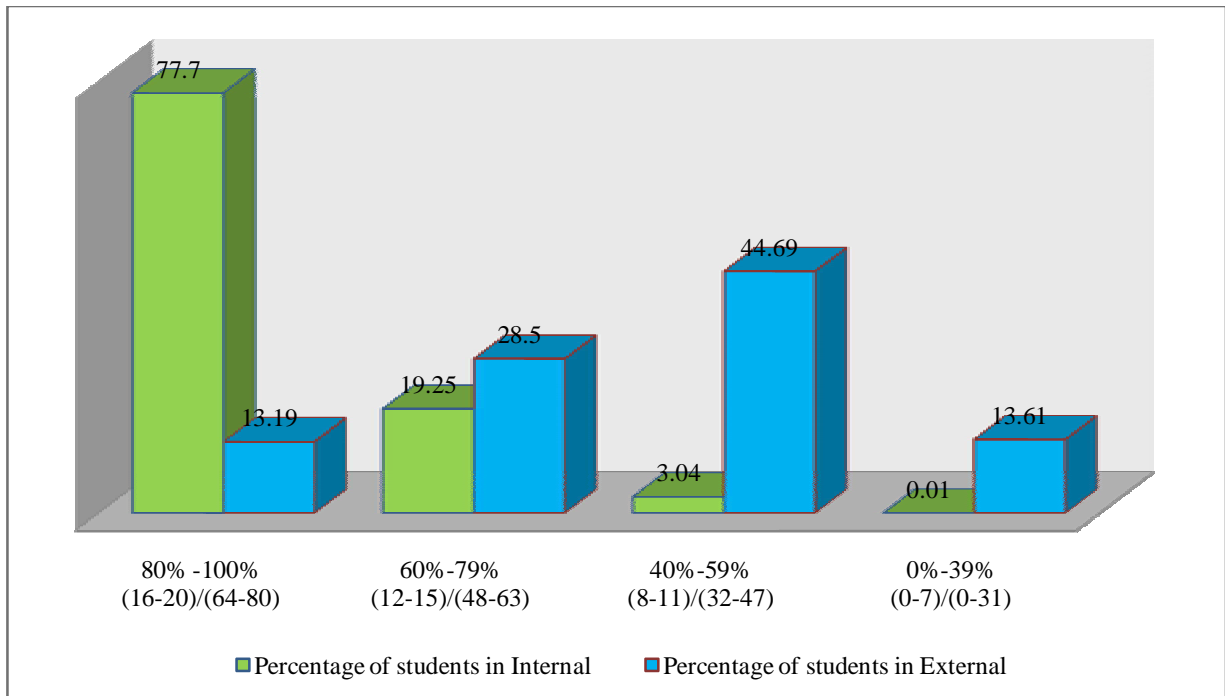
Whereas, in Mathematics, the percentage of candidates scoring 80% in Internal and Single Digit in External Assessment is comparatively higher. This gives an indication of either inconsistency in the student's performance or the school-based assessment system, which needs to be relooked by all concerned stakeholders.

### *Percentage of different mark range of Internal and External Marks secured at HSLC 2023*

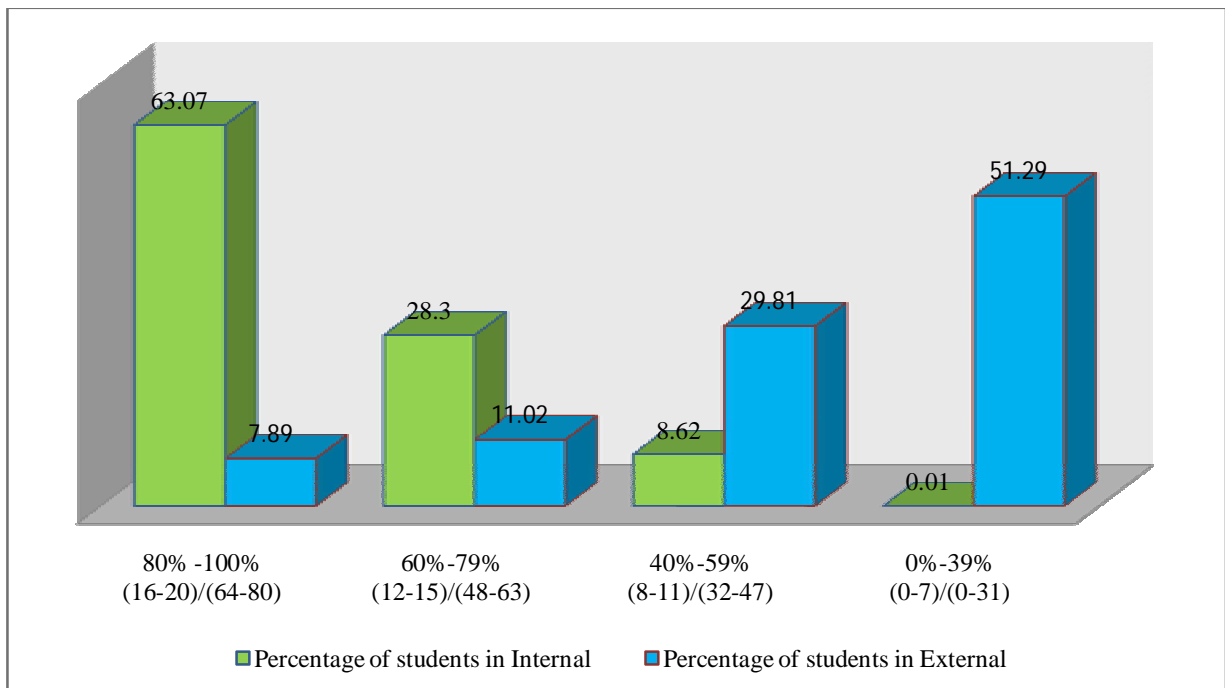
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Subject	Appeared	Internal				External			
		80-100% (16-20)	60-79% (12-15)	40-59% (8-11)	0-39% (0-7)	80-100% (64-80)	60-79% (48-63)	40-59% (32-47)	0-39% (0-31)
English	23798	77.70	19.25	3.04	0.01	13.19	28.50	44.69	13.61
Mathematics	23713	63.07	28.30	8.62	0.01	7.89	11.02	29.81	51.29
Science	23759	70.04	24.59	5.37	0.01	8.24	15.56	43.85	32.35
Social Sciences	23734	78.24	18.83	2.93	0.01	27.40	24.21	29.85	18.54

## English

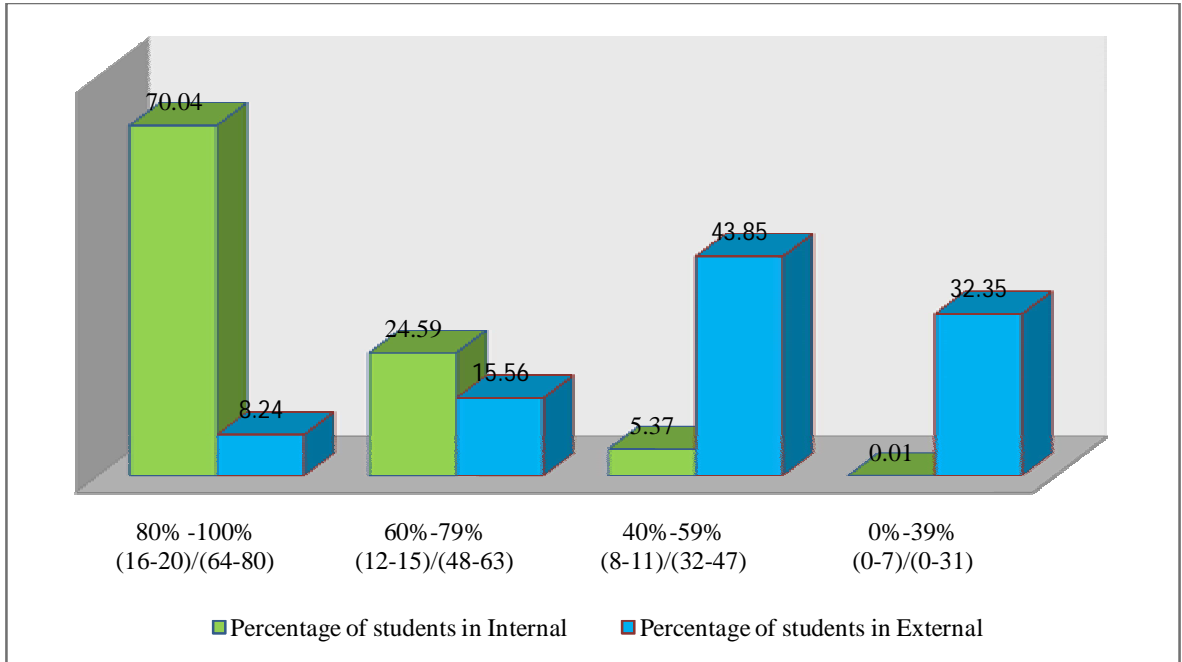


## Mathematics

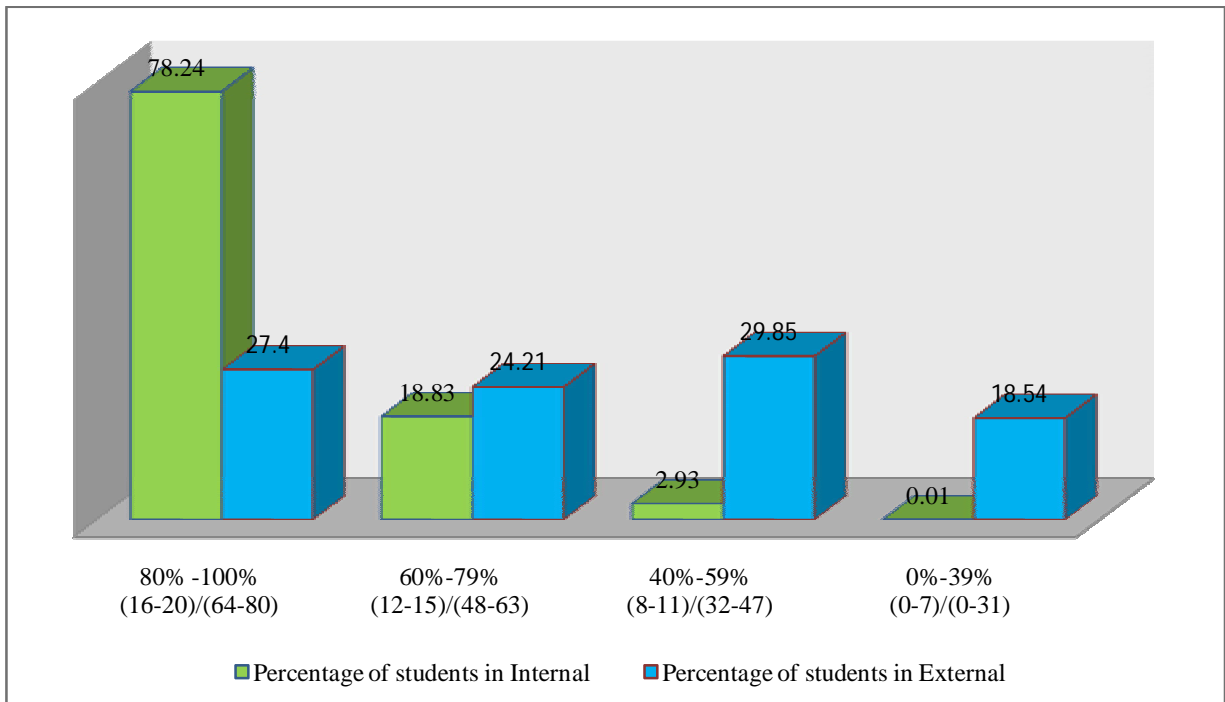




## Science

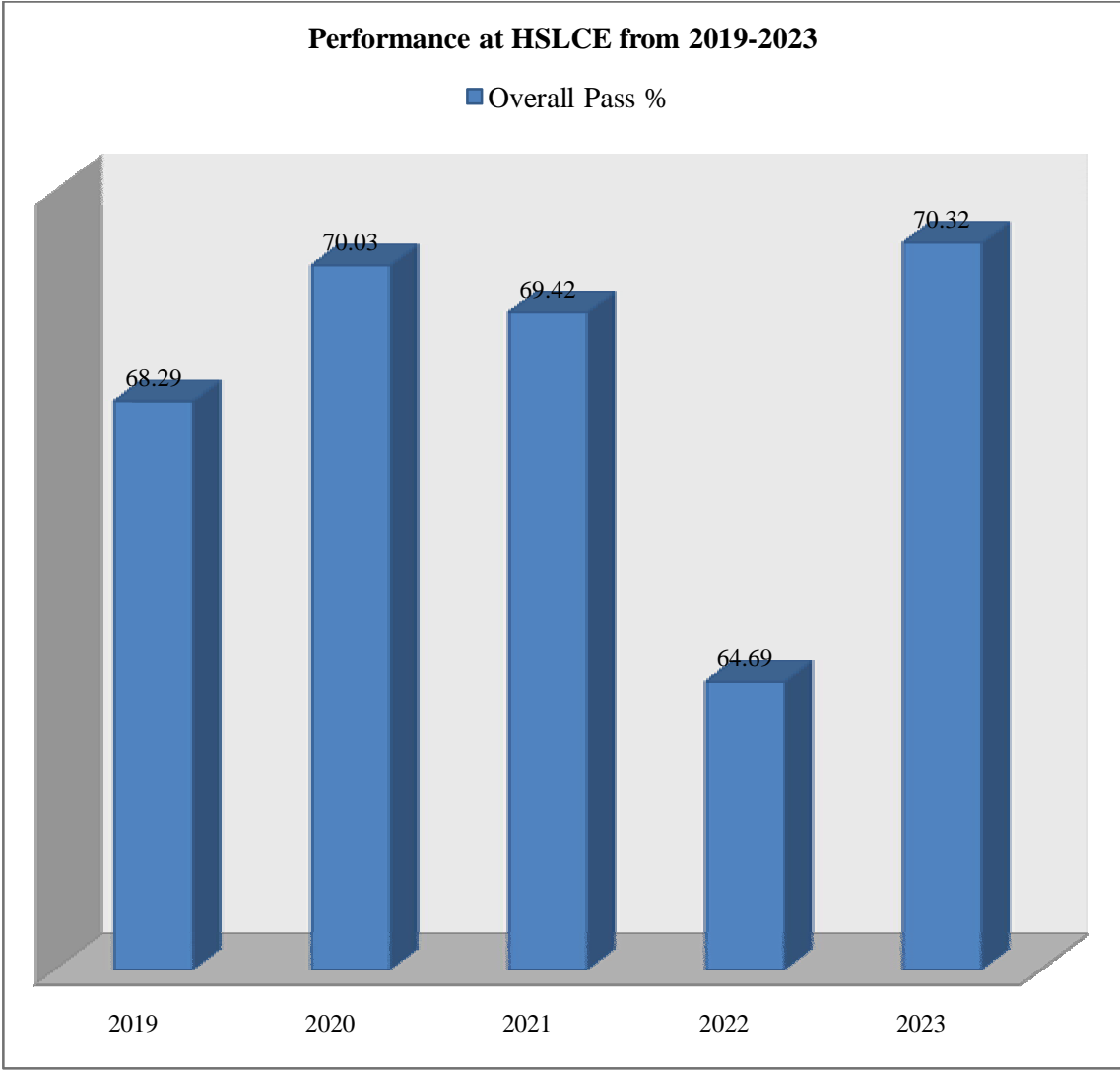


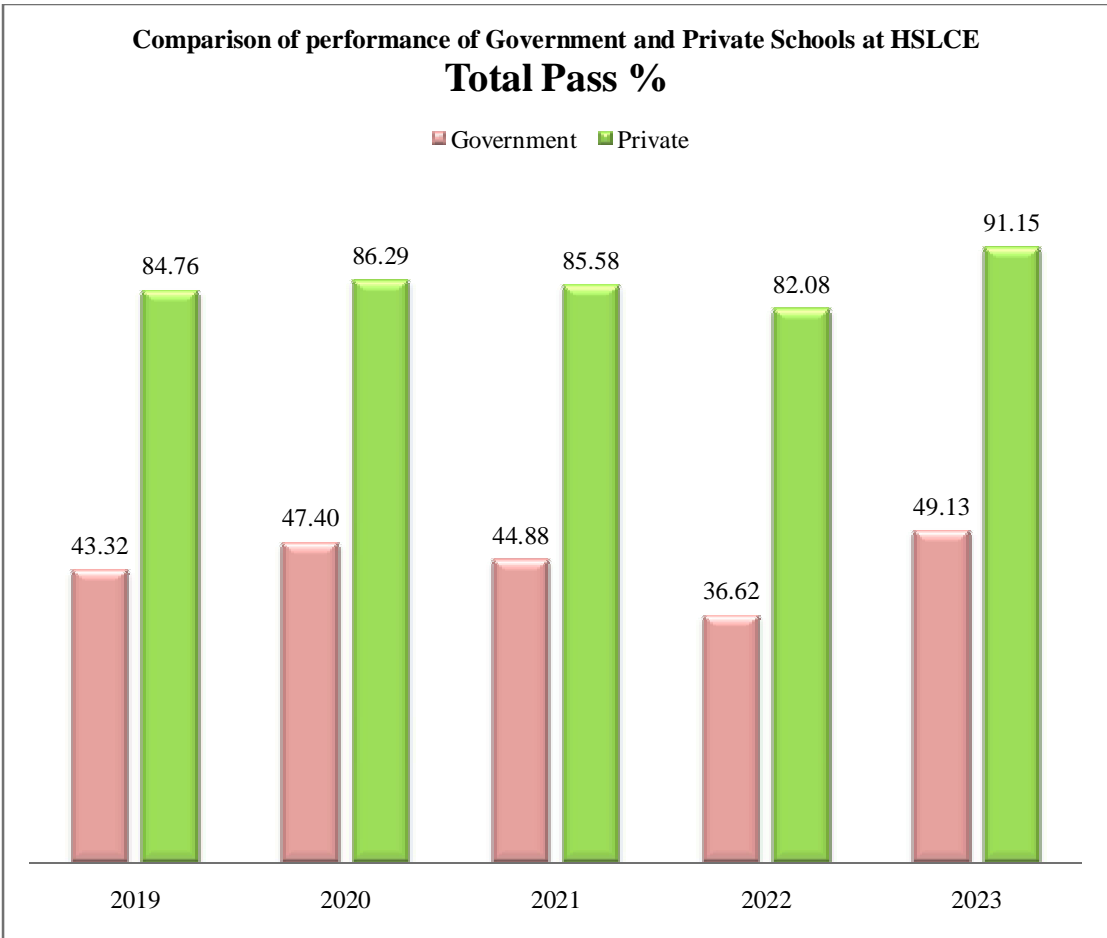
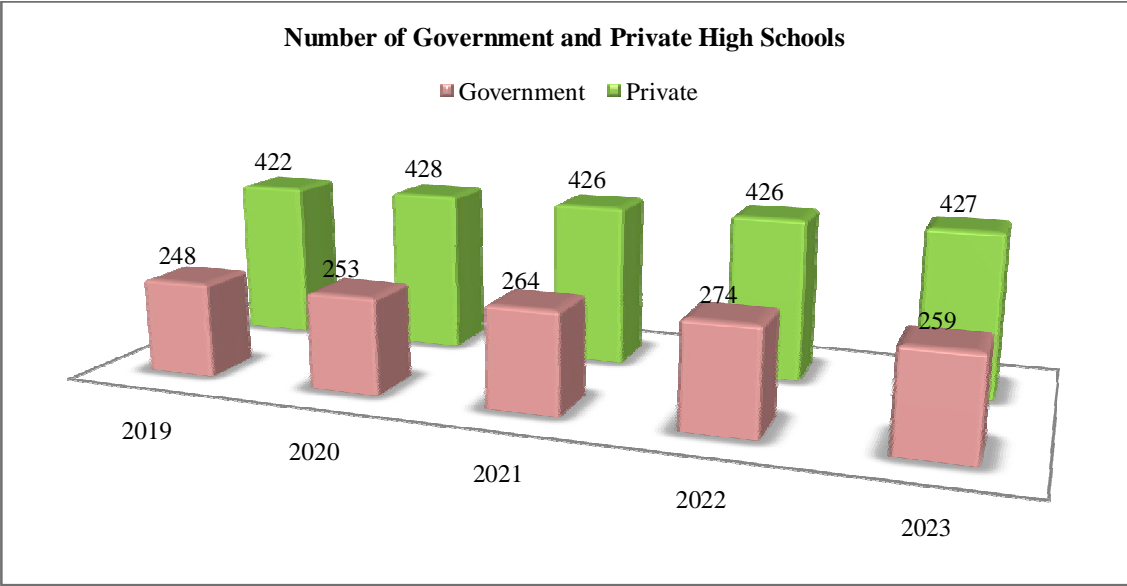
## Social Sciences



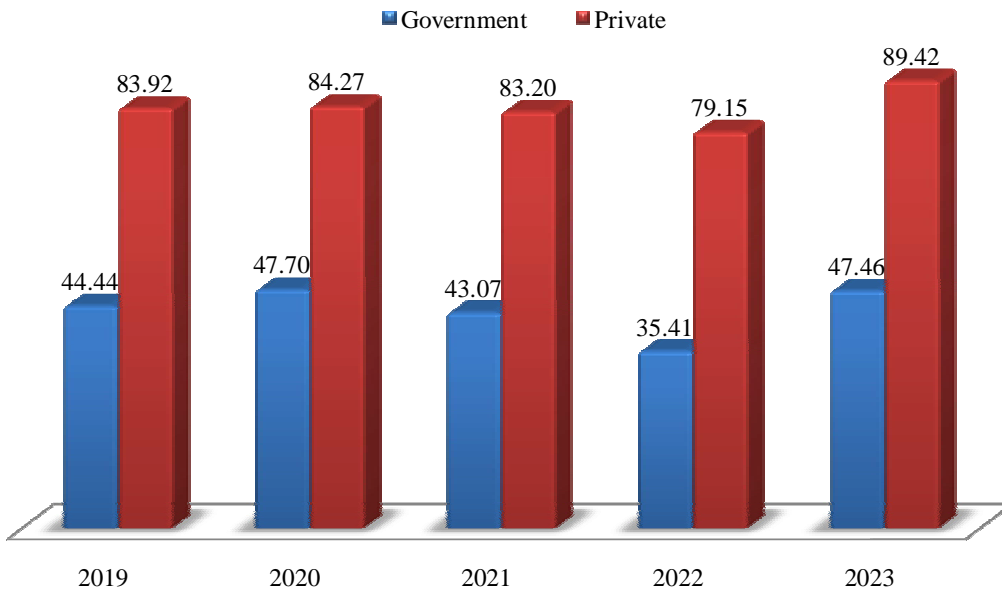
*Performance at HSLC Examination for the last five years, from  
2019-2023*

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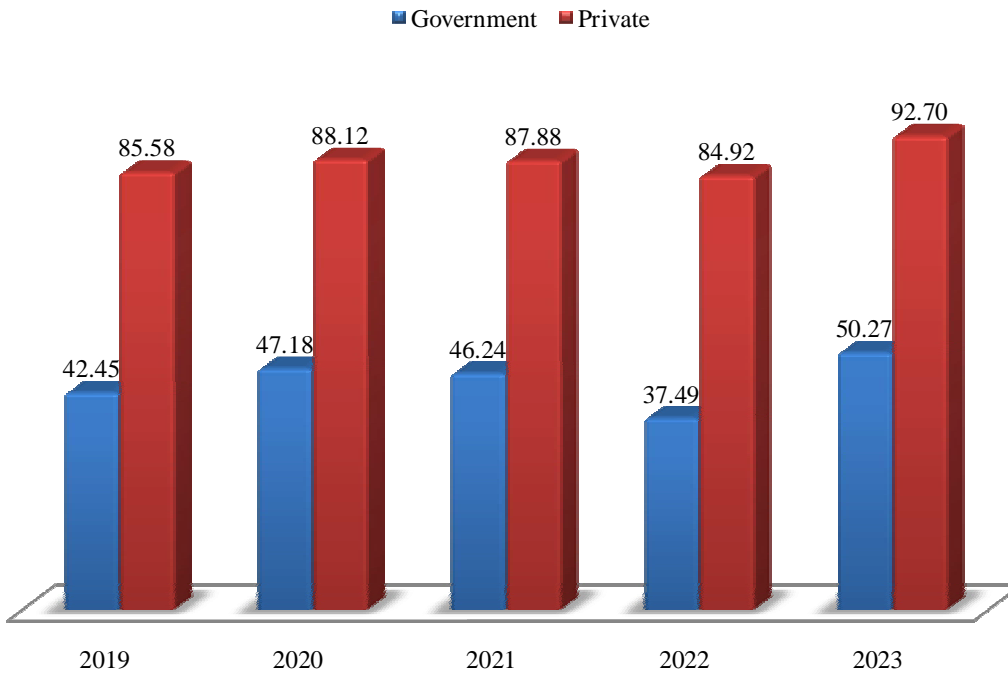




**Comparison of performance of Government and Private schools at HSLCE  
Male Pass %**

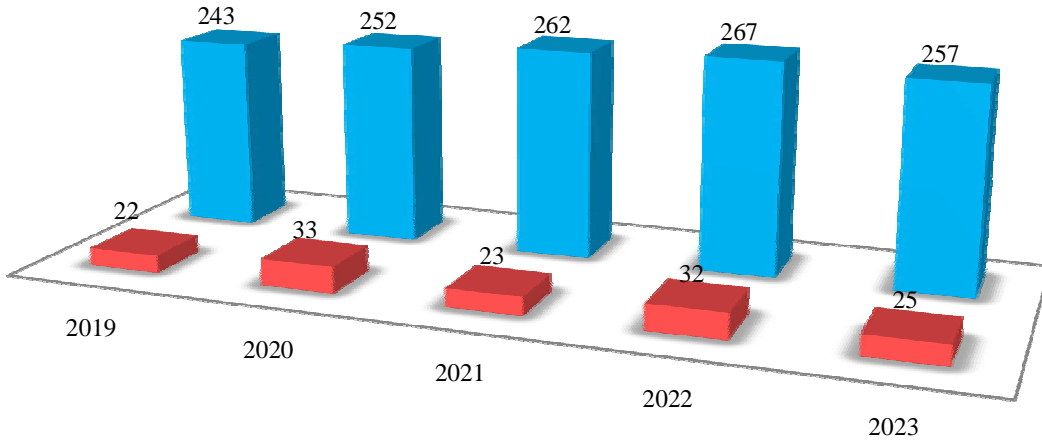


**Comparison of performance of Government and Private schools at HSLCE  
Female Pass %**



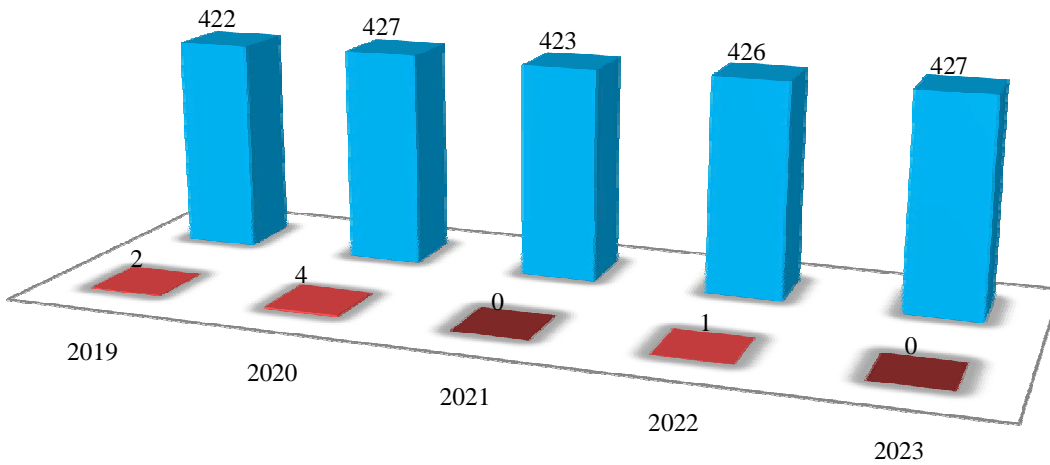
### Government schools with NIL result at HSLCE

■ Number of schools securing 0%   ■ Total no. of schools



### Private schools with NIL result at HSLCE

■ Number of schools securing 0%   ■ Total no. of schools



***Re-scrutiny Applicants performance at the Internal, Midterm Examination and Final HSSLC Examination 2023:***

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**English**

**Total applicants: 3**

Internal (20 marks)	External (80 marks)	
	Mid Term	Final
20	64	68
20	67	53
19	39	27

**Alternative English/MILs**

**Total applicants: 3**

Internal (20 marks)	External (80 marks)	
	Mid Term	Final
20	58	54
20	45	56
20	48	48

**Fundamentals of Business Mathematics**

**Total applicants: 1**

Internal (20 marks)	External (80 marks)	
	Mid Term	Final
16	12	6

**Political Science**

**Total applicants: 3**

Internal (20 marks)	External (80 marks)	
	Mid Term	Final
19	11	19
20	48	30
20	58	72

**Sociology**

**Total applicants: 2**

Internal (20 marks)	External (80 marks)	
	Mid Term	Final
20	61	63
20	78	71

**History****Total applicants: 5**

Internal (20 marks)	External (80 marks)	
	Mid Term	Final
20	15	10
17	10	9
20	62	74
20	74	73
20	72	73

**Economics****Total applicants: 2**

Internal (20 marks)	External (80 marks)	
	Mid Term	Final
19	2	14
19	6	11

**Education****Total applicants: 2**

Internal (20 marks)	External (80 marks)	
	Mid Term	Final
16	7	5
20	37	73

**Physics****Total applicants: 2**

Internal (30 marks)	External (70 marks)	
	Mid Term	Final
27	26	36
24	24	10

**Chemistry****Total applicants: 4**

Internal (30 marks)	External (70 marks)	
	Mid Term	Final
28	8	8
30	33	37
26	36	8
30	23	8

**Biology****Total applicants: 2**

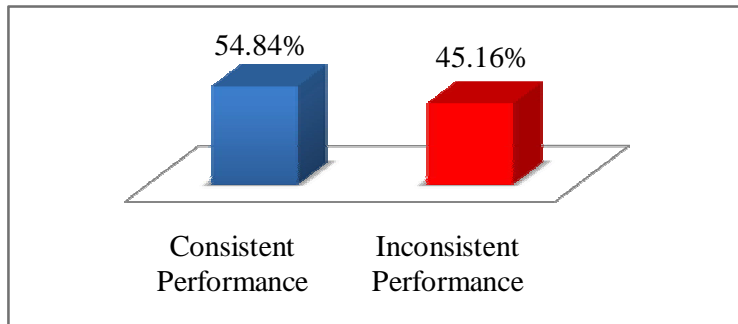
Internal (30 marks)	External (70 marks)	
	Mid Term	Final
28	9	12
27	18	11

## Mathematics

Total applicants: 2

Internal (20 marks)	External (80 marks)	
	Mid Term	Final
16	17	29
20	53	76

### *Overall Percentage of HSSLCE 2023 Re-scrutiny Applicants Performance:*



### FINDINGS:

It is found that, there is a significant difference between Re-scrutiny Applicants who had *Consistent Performance* in Internal and Final Assessments, both in Midterm Examination and Final Examination 2023, and those whose performance reduced by upto 40% at the Final Examination as compared to the Midterm Examination, labeled as *Inconsistent Performance*.

#### **Consistent Performance:**

The Overall Percentage of HSSLC 2023 Re-scrutiny Applicants that had Consistent and Plausible Performances in Internal and Final Assessments, both in Midterm Examination and Final Examination 2023, is **54.84%**.

In spite of achieving consistent performance, the marks secured in the Final HSSLC Examination 2023 by these groups of students didn't meet their high expectations and therefore applied for re-scrutiny.

#### **Inconsistent Performance:**

The Overall Percentage of HSSLC 2023 Re-scrutiny Applicants that had Inconsistent Performance in Internal and Final Assessments, both in Midterm Examination and Final Examination 2023, is **45.16%**.



This group of students demonstrated very good performances in Internal Assessments and Midterm Examination, but scored comparatively very low marks in the Final HSSLC Examination 2023. If proper assessment is not done at the school level and students are given inflated marks in the Internal, students will not have a fair idea of their abilities.

**REMARKS:**

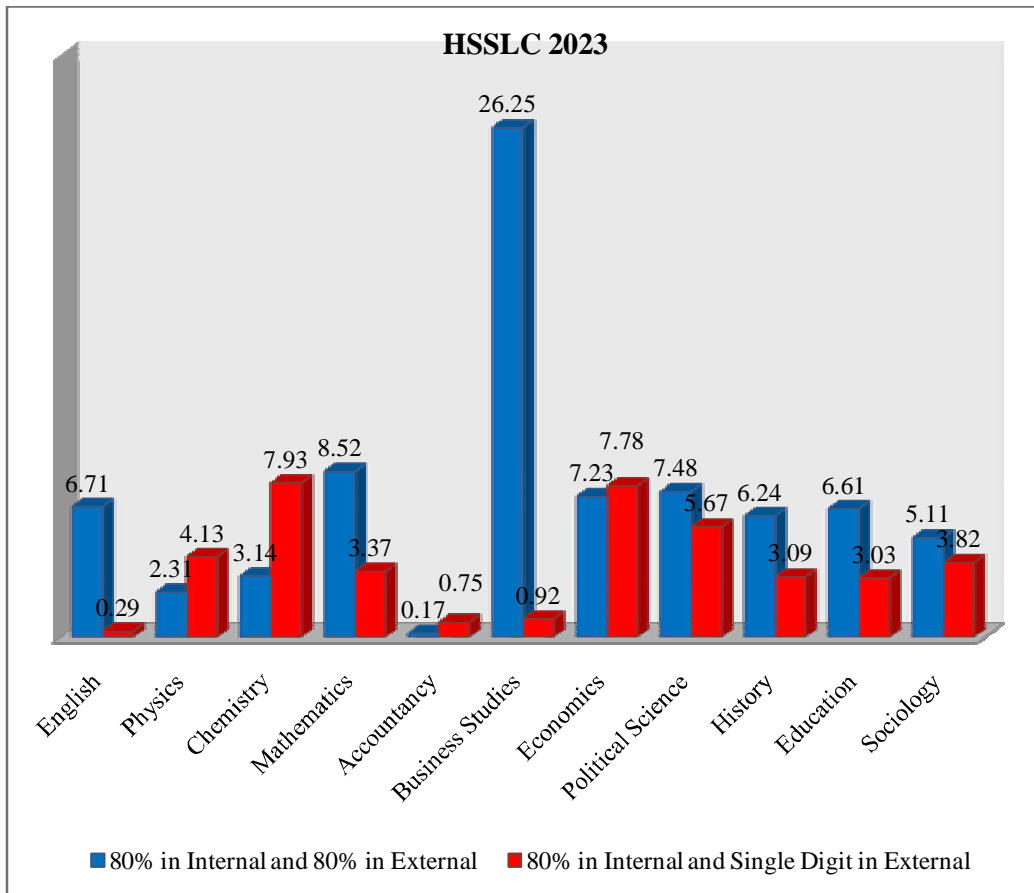
Schools should put in more effort to identify the gaps among the students and focus on the individual needs of the child. Proper assessment must be done at the school level, keeping in mind the syllabus and design of question papers of the Board.

The evaluation process of the Board’s Examinations gets challenging and time consuming due to the correction of random markings by some Inconsistent Examiners. As such, Heads of Institutions must ensure that assessment done by the teachers at school level are consistent and gives true picture of performance and abilities of the student.

The findings are also indicative that consistency in the performance could be achieved with good foundation given at primary and elementary level of education.

***Percentages of Consistent and Inconsistent Performance in Internal and External Assessments:***

<b>HSSLC</b>	<b>80% in Internal and 80% in External</b>	<b>80% in Internal and Single Digit in External</b>
English	6.71	0.29
Physics	2.31	4.13
Chemistry	3.14	7.93
Mathematics	8.52	3.37
Accountancy	0.17	0.75
Business Studies	26.25	0.92
Economics	7.23	7.78
Political Science	7.48	5.67
History	6.24	3.09
Education	6.61	3.03
Sociology	5.11	3.82



### HSSLC Examination 2023:

In English, Mathematics, Business Studies, Political Science, History, Education and Sociology, candidates who are scoring 80% in both Internal and External Assessments are higher than those scoring 80% in Internal and Single Digit in External.

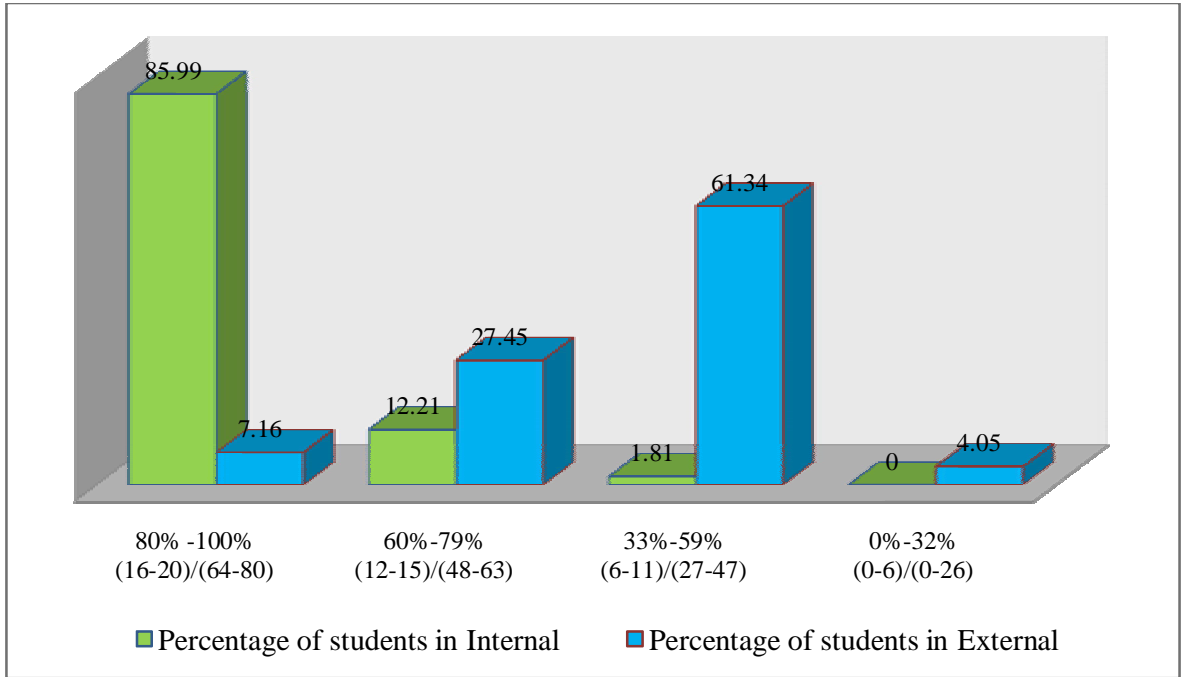
Whereas, in Physics, Chemistry, Accountancy and Economics, the percentages of candidates scoring 80% in Internal and Single Digit in External Assessment are comparatively higher. This gives an indication of either inconsistency in the student's performance or the school-based assessment system, which needs to be relooked by all concerned stakeholders. Teachers must shift focus on testing the competencies of the learners which will enable the students to perform better with clarity of the concepts.

**Percentage of different mark range of Internal and External Marks  
secured at HSSLC 2023**

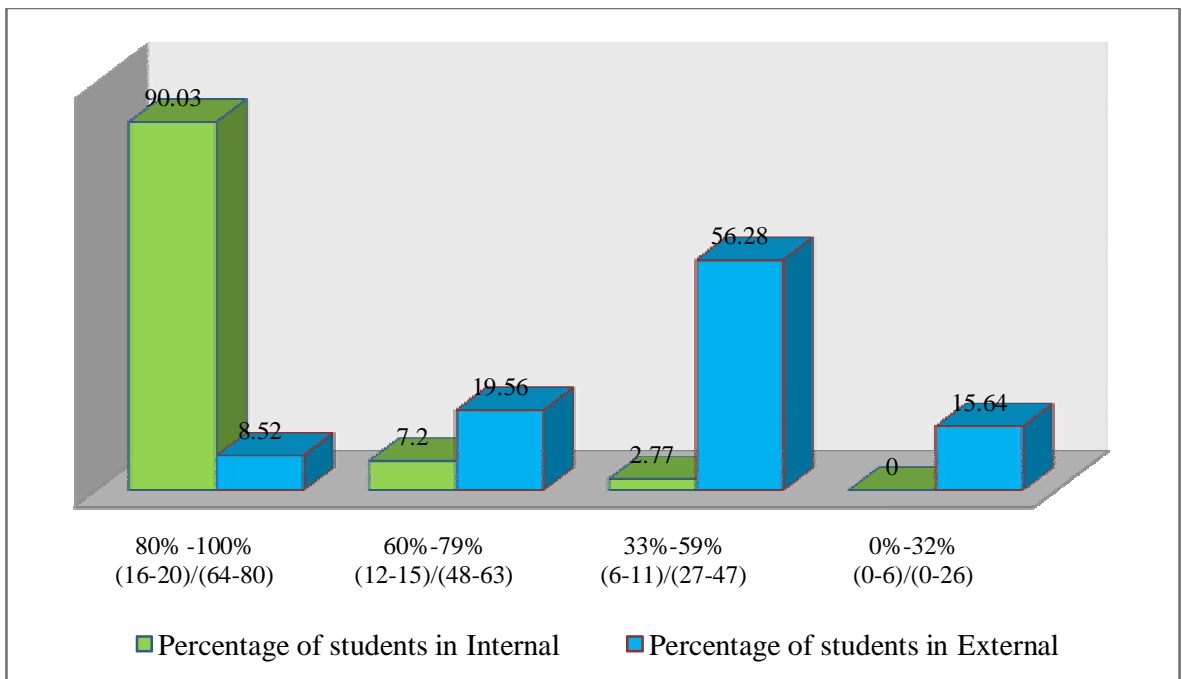
Subject	Appeared	Internal				External			
		80-100% (16-20)	60-79% (12-15)	33-59% (6-11)	0-32% (0-5)	80-100% (64-80)	60-79% (48-63)	33-59% (32-47)	0-32% (0-31)
English	15893	85.99	12.21	1.81	0.00	7.16	27.45	61.34	4.05
Mathematics	2347	90.03	7.20	2.77	0.00	8.52	19.56	56.28	15.64
Business Studies	1200	91.33	8.42	0.25	0.00	26.33	26.75	38.25	8.67
Economics	5115	84.16	14.08	1.76	0.00	7.47	15.76	49.76	27.02
Political Science	12125	82.24	15.22	2.53	0.00	7.65	19.04	49.61	23.70
History	12157	82.53	14.77	2.70	0.00	6.33	24.22	54.41	15.04
Education	10568	83.61	12.81	3.58	0.00	6.69	23.77	53.73	15.81
Sociology	7980	83.18	14.64	2.18	0.00	5.15	15.09	58.21	21.55

Subject	Appeared	Internal				External			
		80-100% (24-30)	60-79% (18-24)	40-59% (11-17)	0-39% (0-11)	80-100% (56-70)	60-79% (42-55)	30-59% (21-41)	0-29% (0-20)
Physics	2423	94.68	4.79	0.54	0.00	2.31	16.63	72.80	8.25
Chemistry	2421	95.33	4.17	0.50	0.00	3.14	14.04	71.13	11.69
Accountancy	1204	76.83	16.28	6.89	0.00	23.09	27.91	42.52	6.48

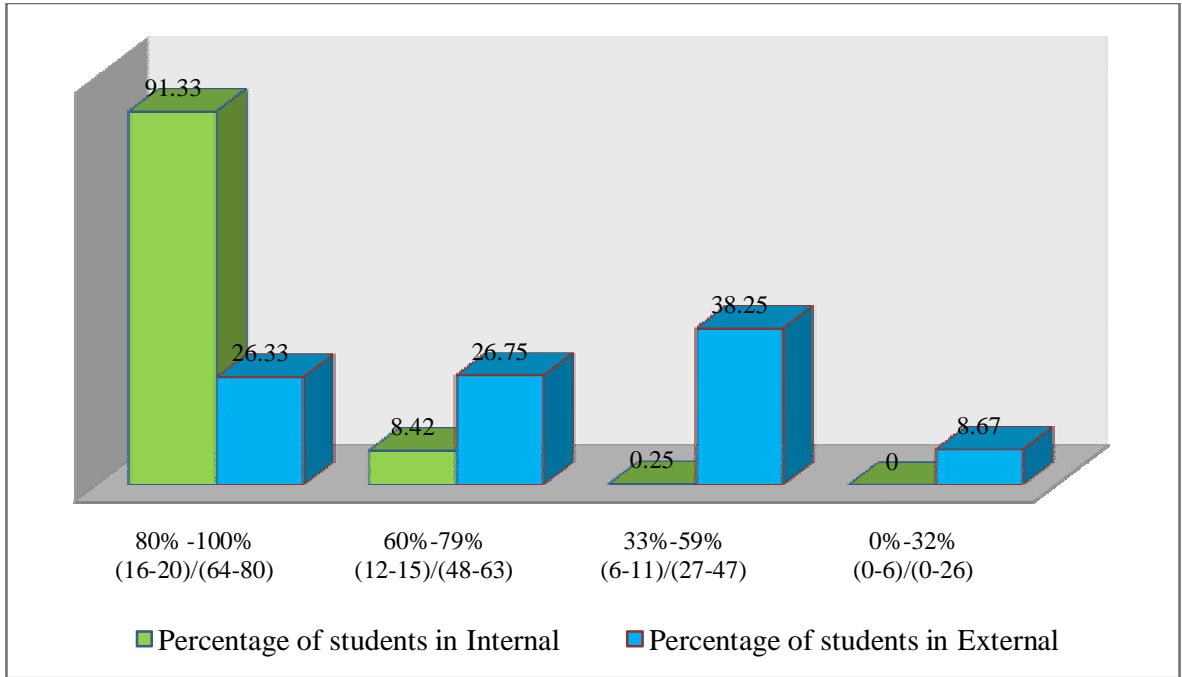
## English



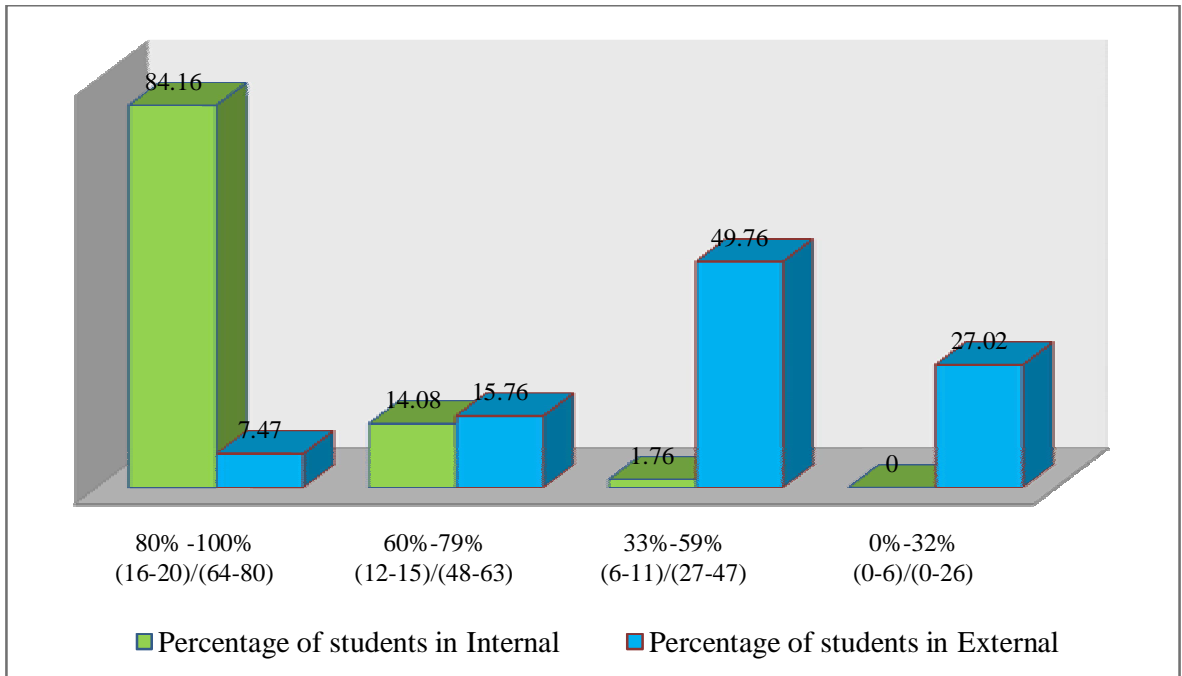
## Mathematics



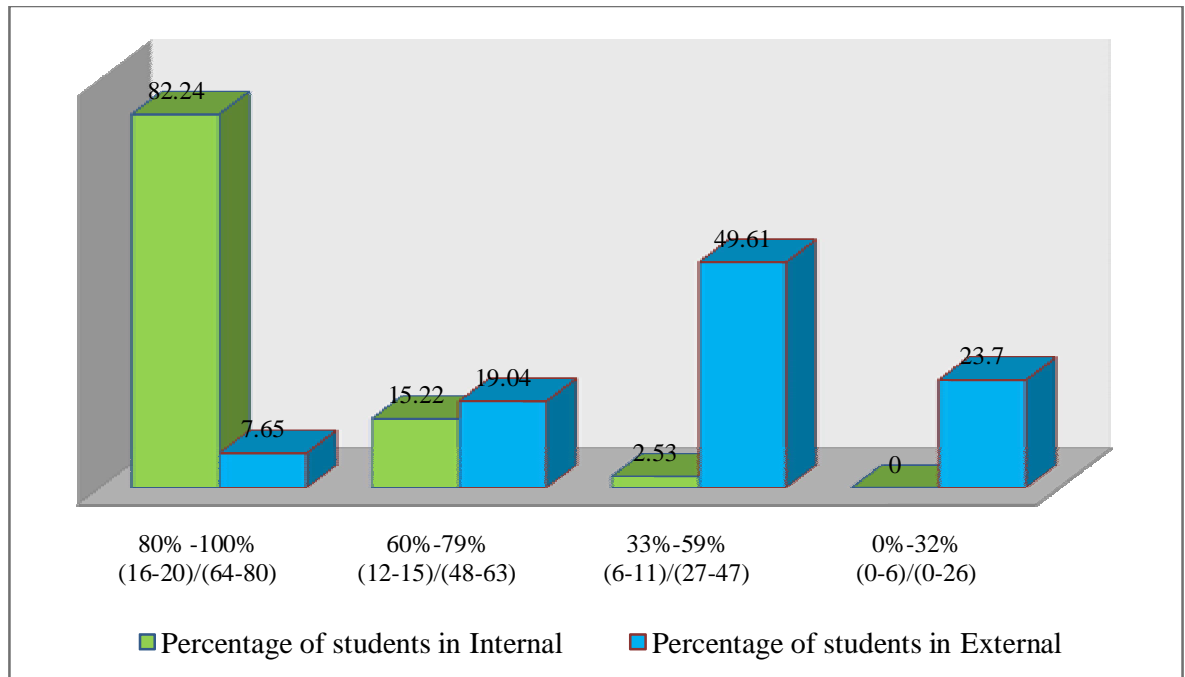
## Business Studies



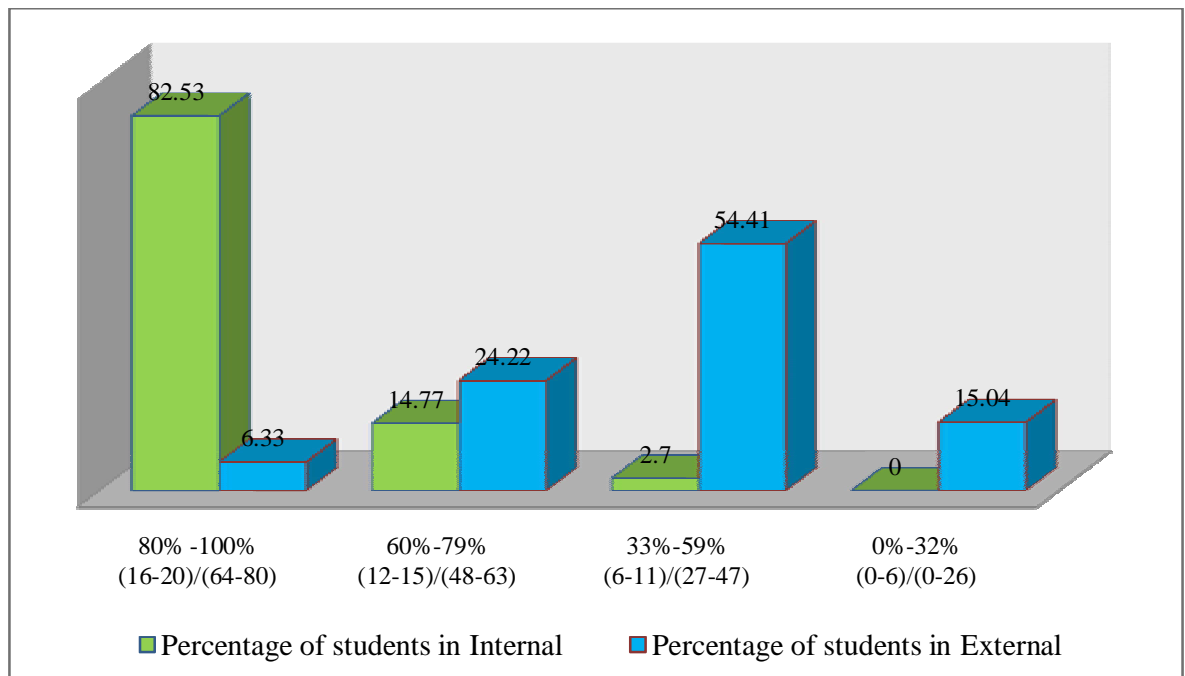
## Economics



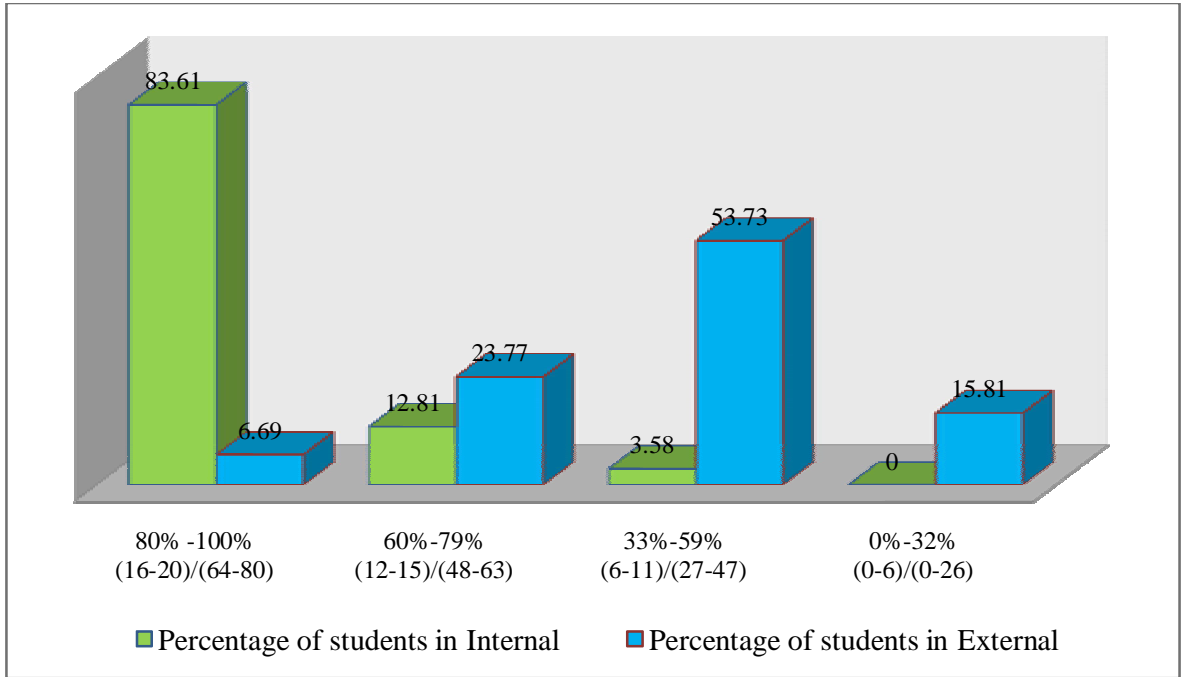
## Political Science



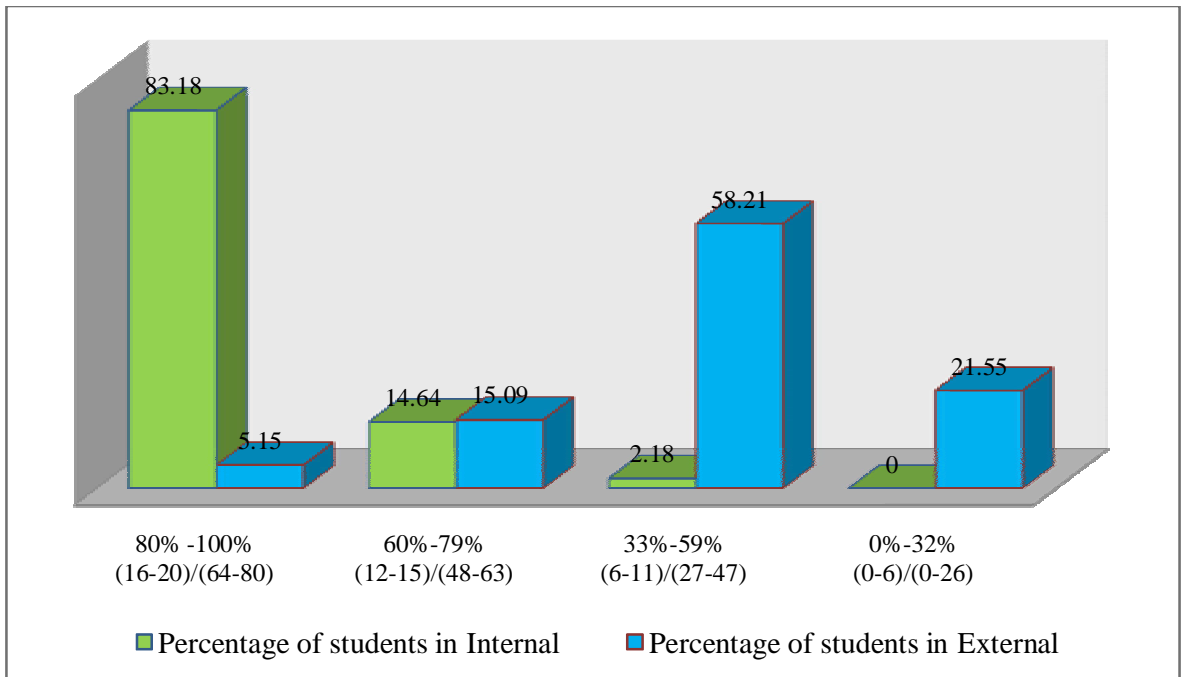
## History



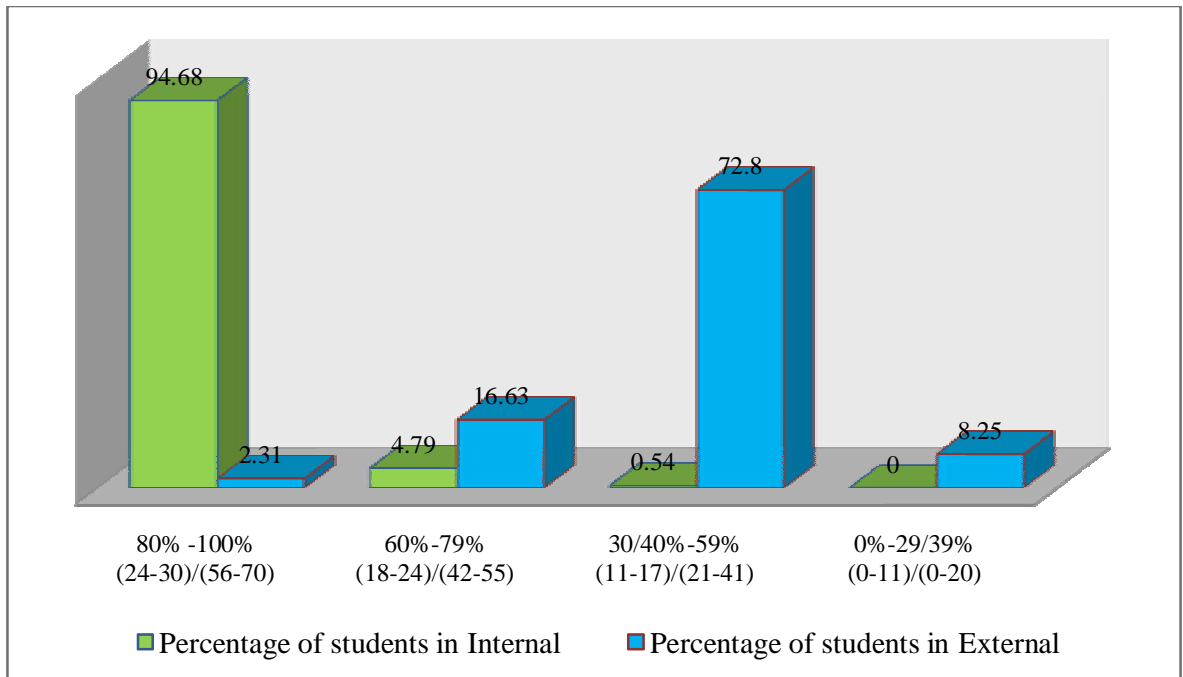
## Education



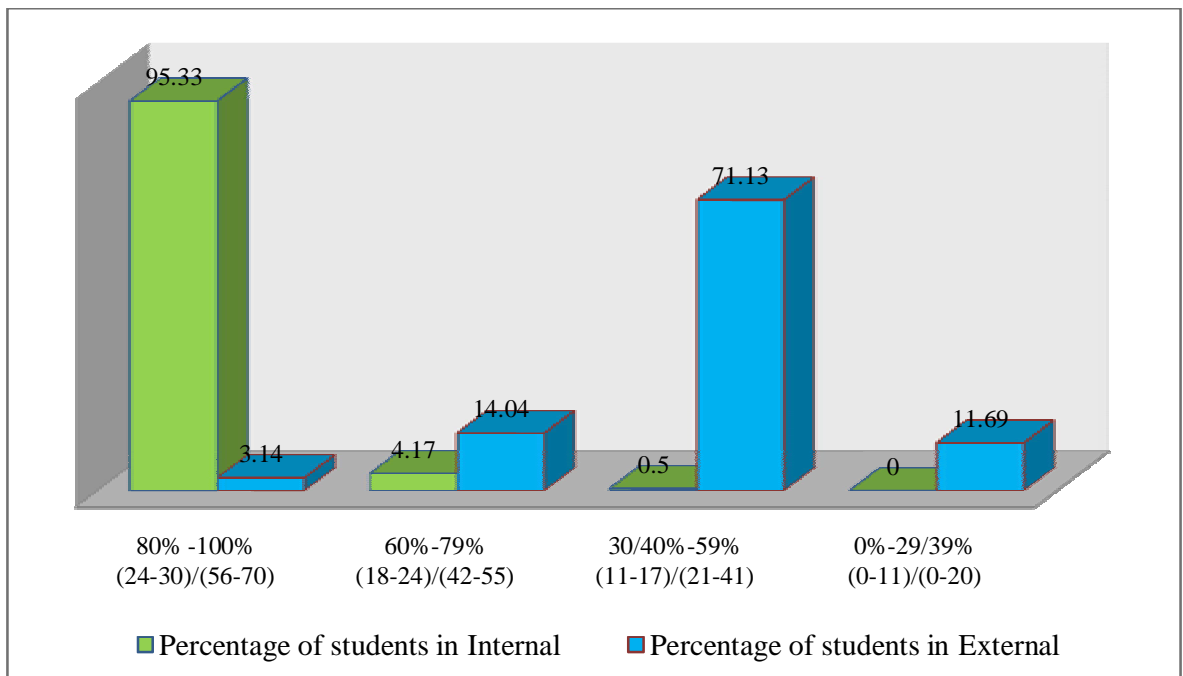
## Sociology



## Physics

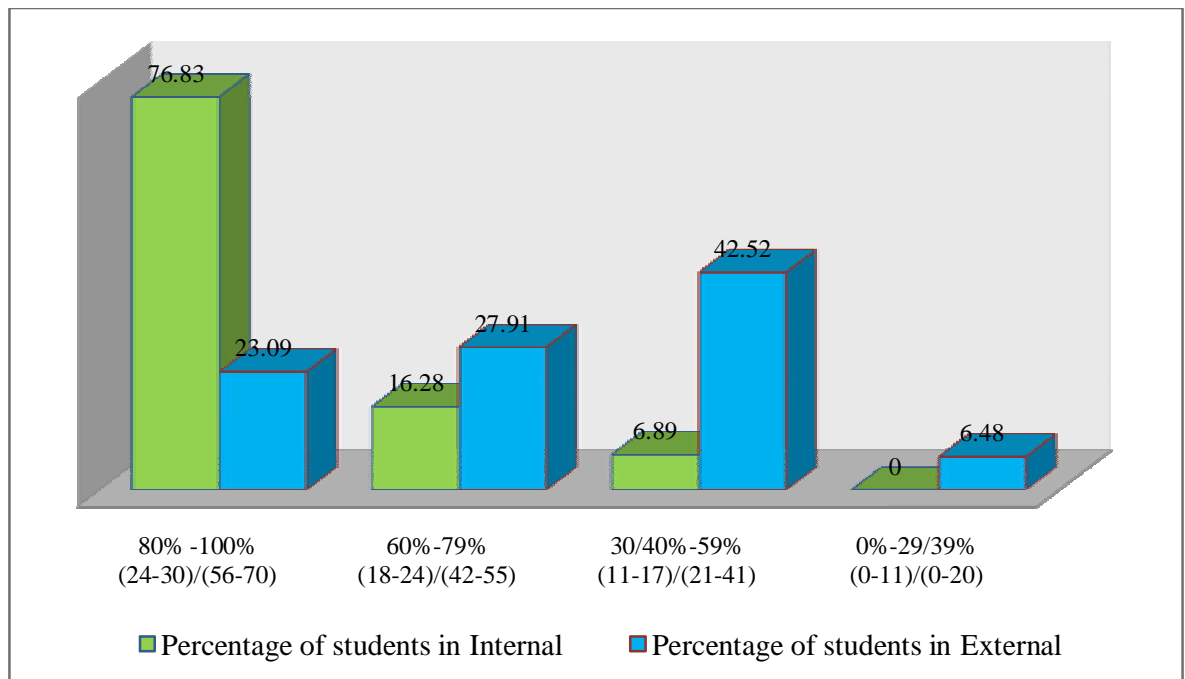


## Chemistry



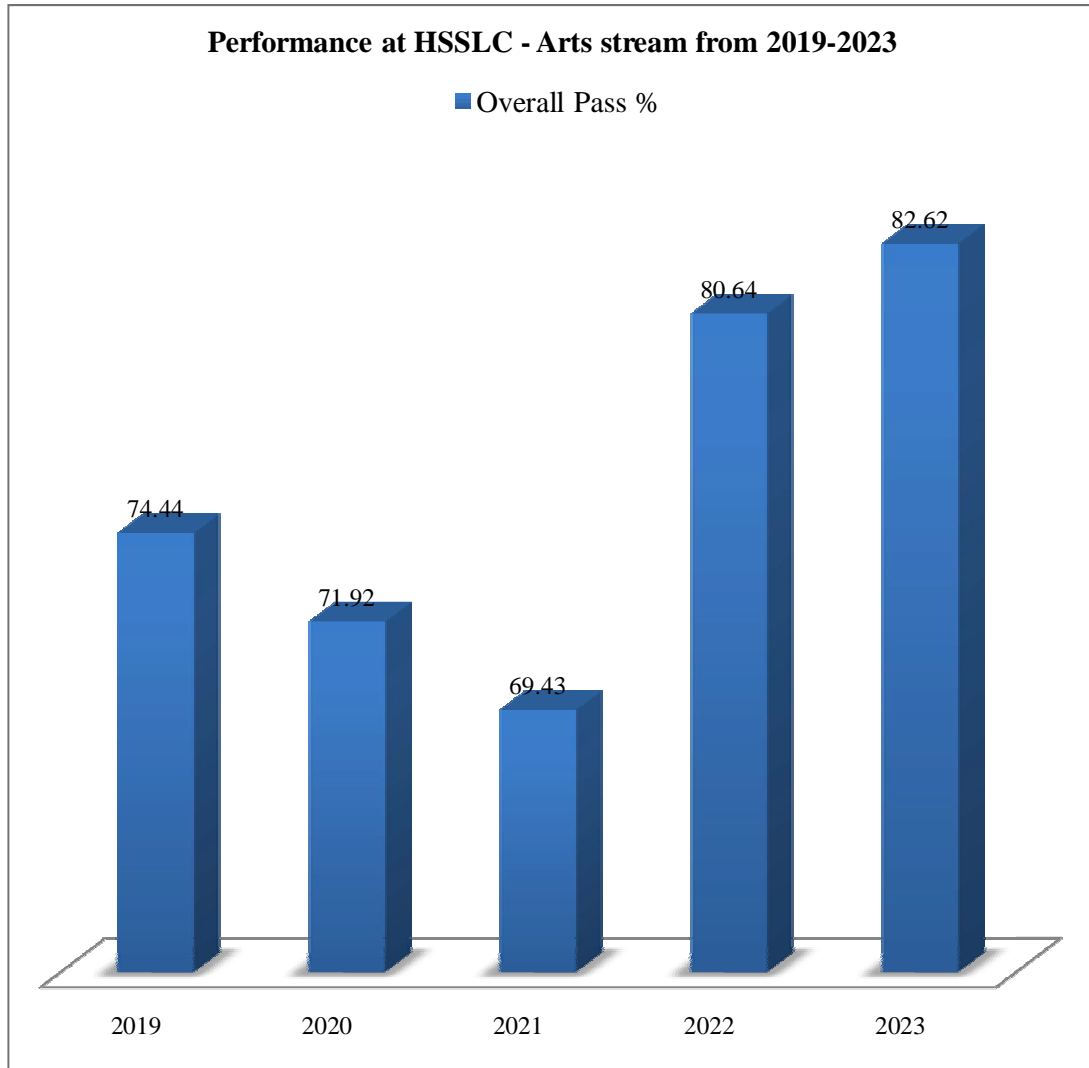


## Accountancy

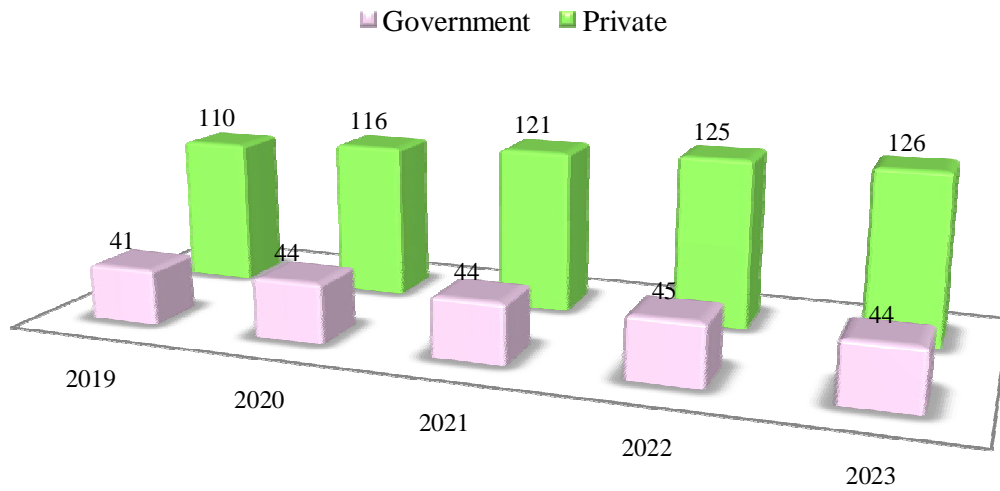


*Performance at HSSLC Examination for the last five years, from 2019-2023*

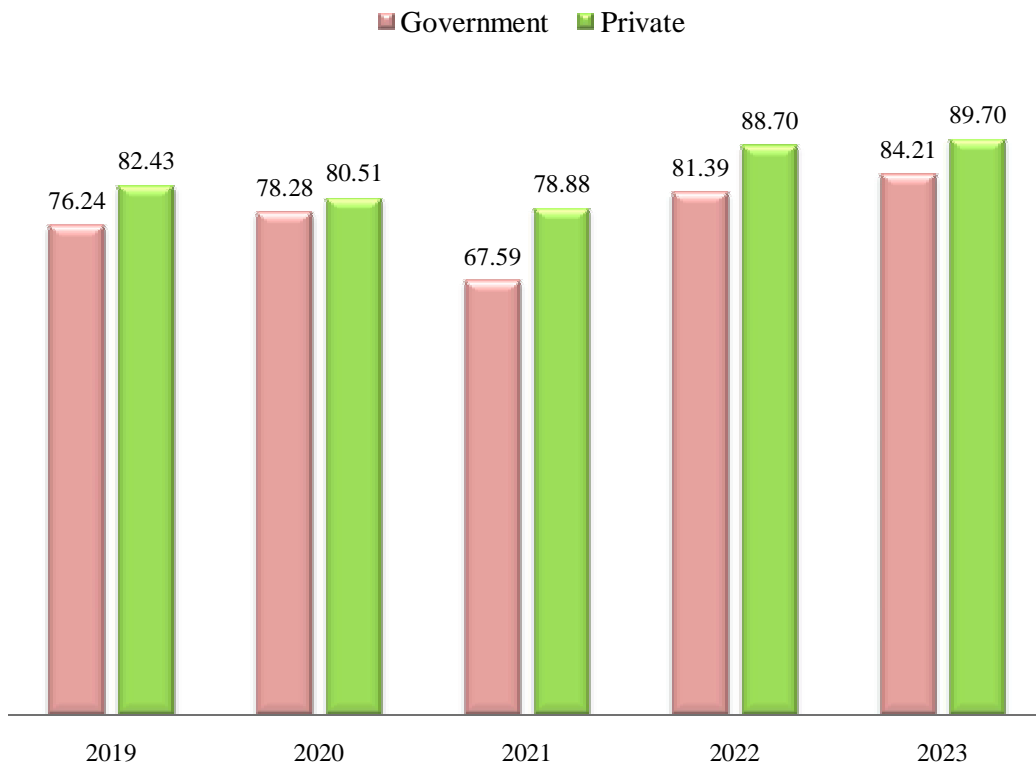
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### Number of Government and Private schools with Arts stream

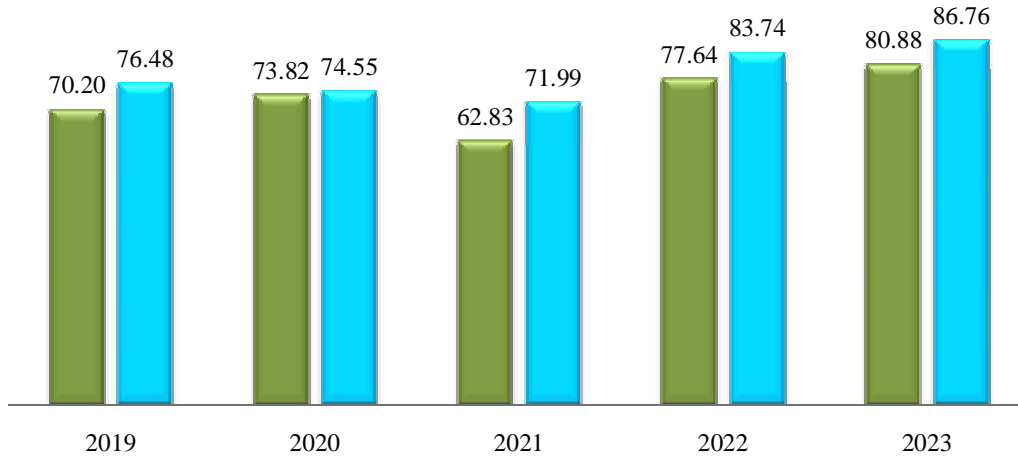


### Comparison of performance of Government and Private schools at HSSLCE- Arts stream Total Pass %



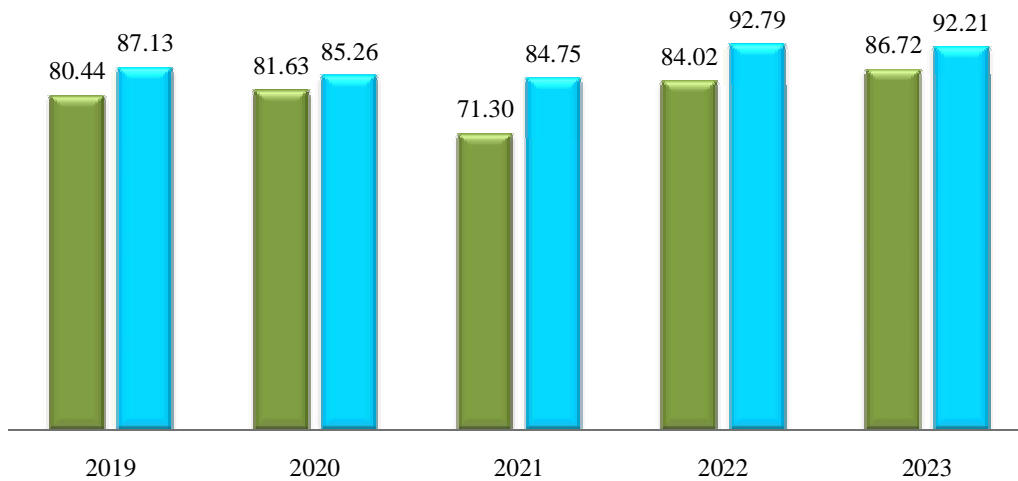
**Comparison of performance of Government and Private schools  
at HSSLC E- Arts stream  
Male Pass %**

■ Government ■ Private



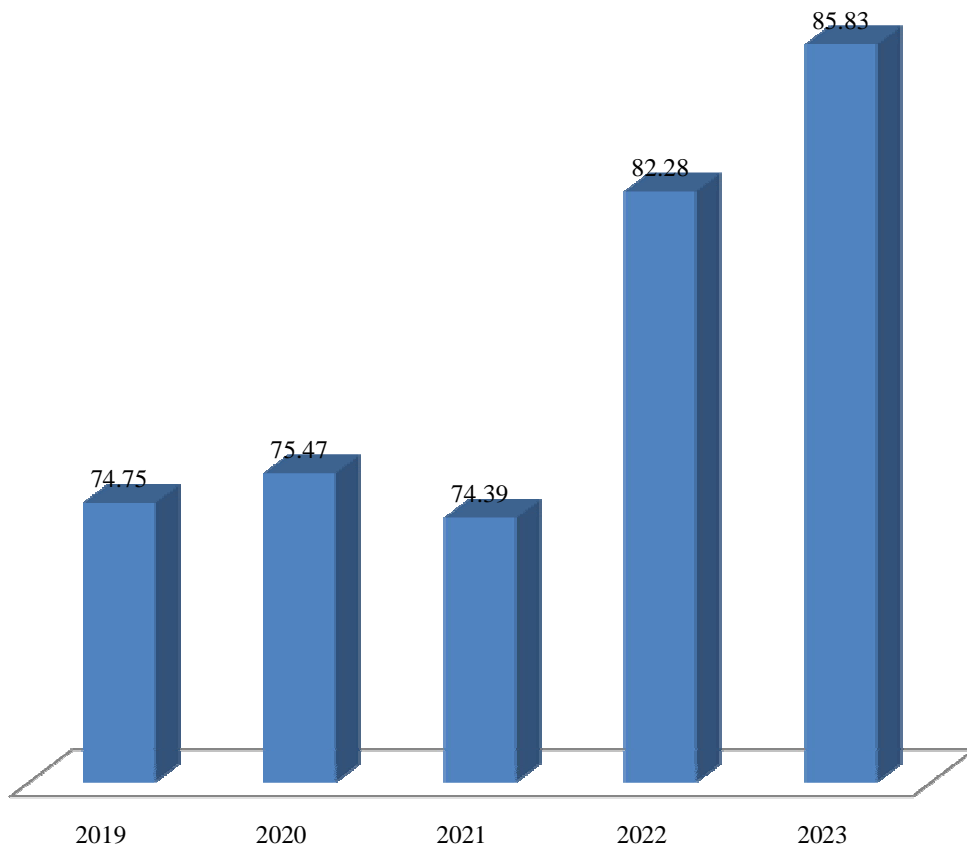
**Comparison of performance of Government and Private schools  
at HSSLC E- Arts stream  
Female Pass %**

■ Government ■ Private



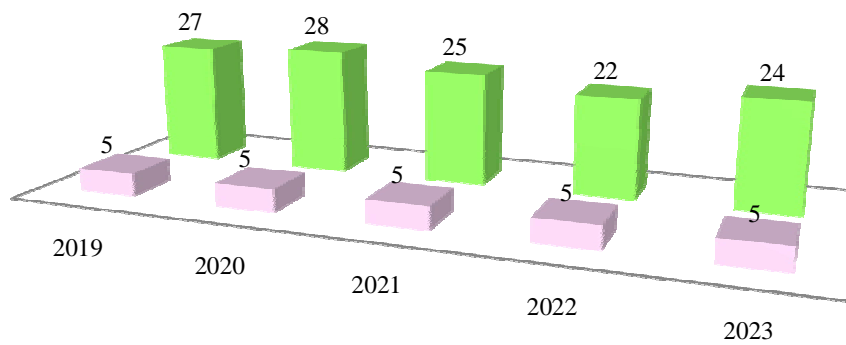
### Performance at HSSLCE - Commerce stream from 2019-2023

■ Overall Pass %



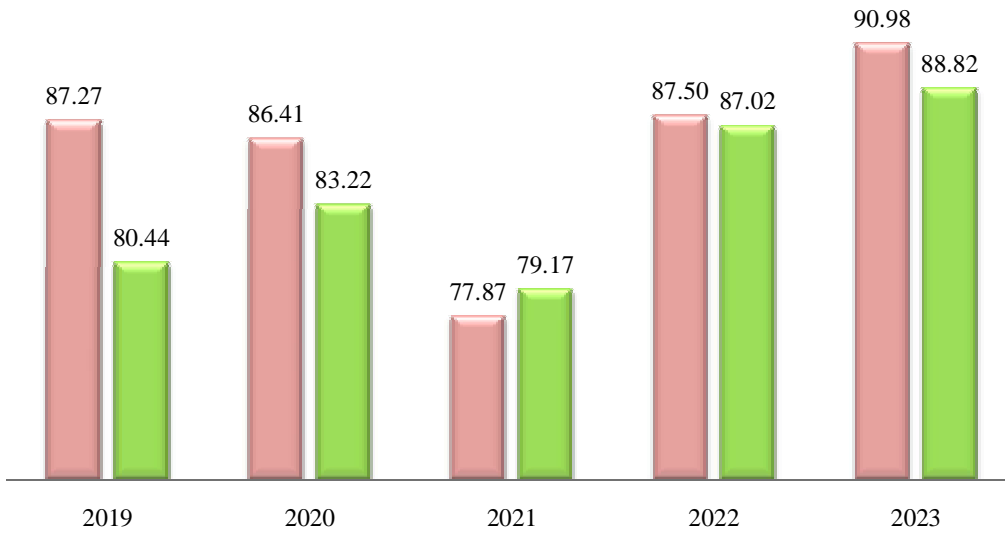
### Number of Government and Private schools with Commerce stream

■ Government ■ Private



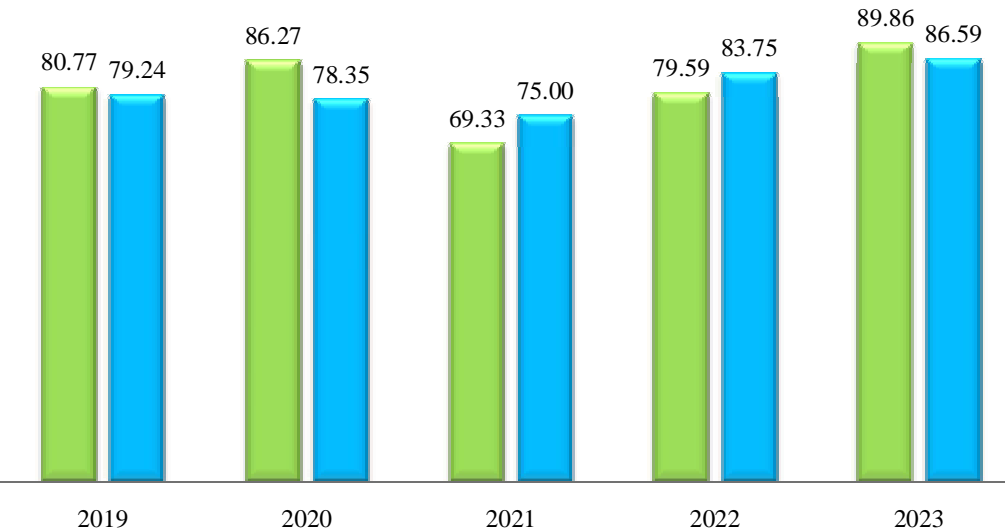
**Comparison of performance of Government and Private schools  
at HSSLCE - Commerce stream  
Total Pass %**

■ Government ■ Private



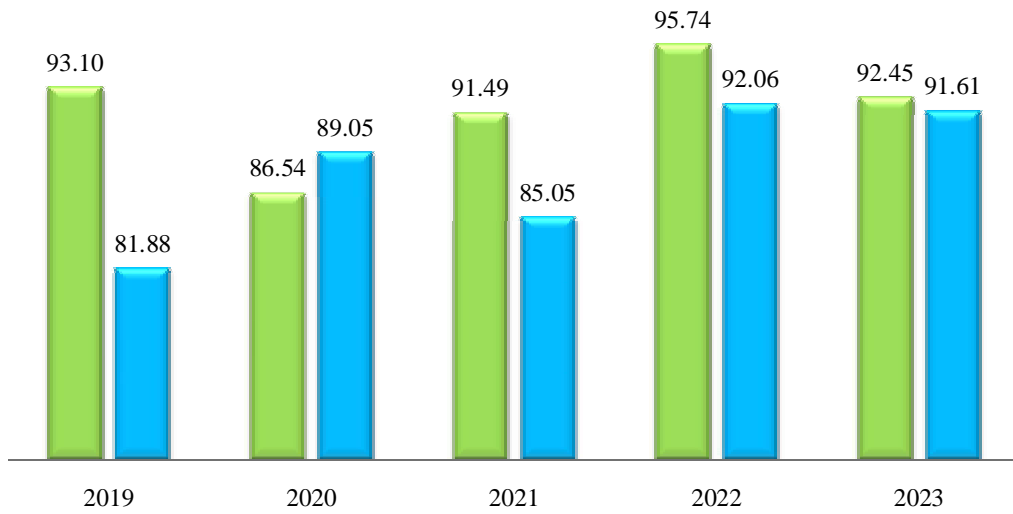
**Comparison of performance of Government and Private schools  
at HSSLCE- Commerce stream  
Male Pass %**

■ Government ■ Private



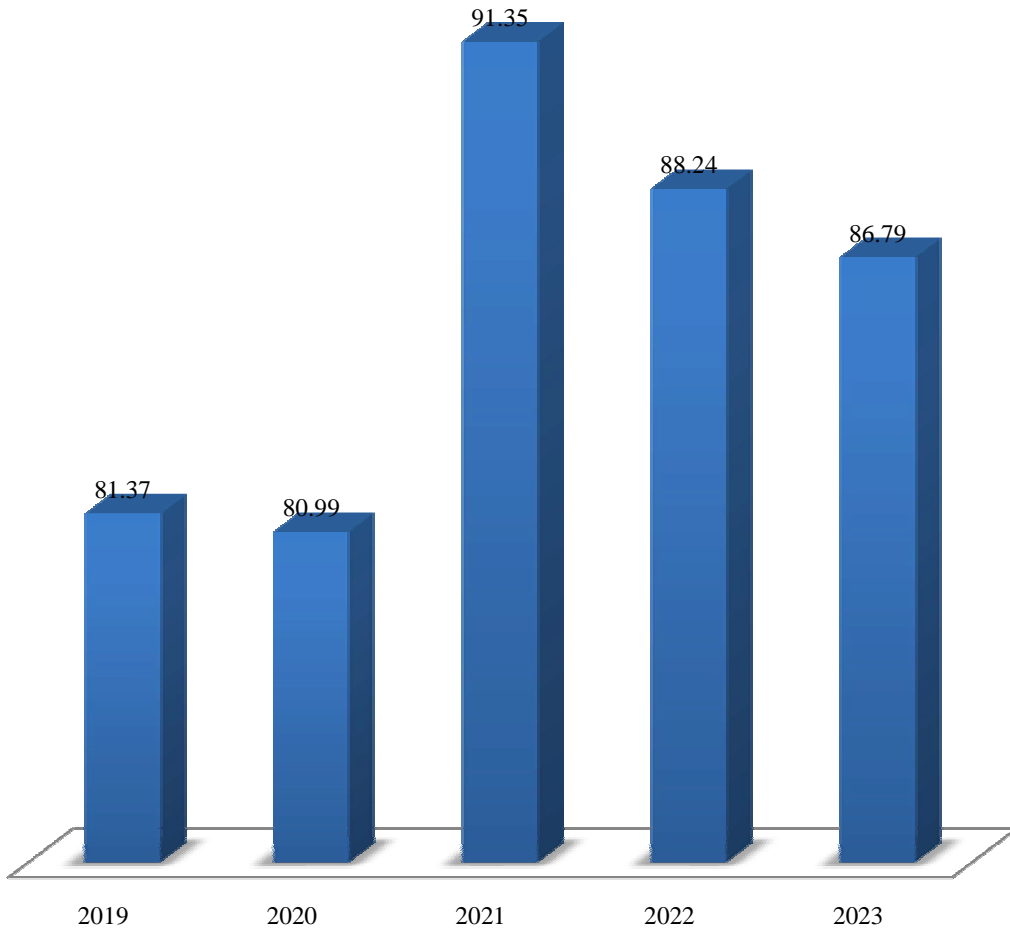
**Comparison of performance of Government and Private schools  
at HSSLCE - Commerce stream  
Female Pass %**

■ Government ■ Private

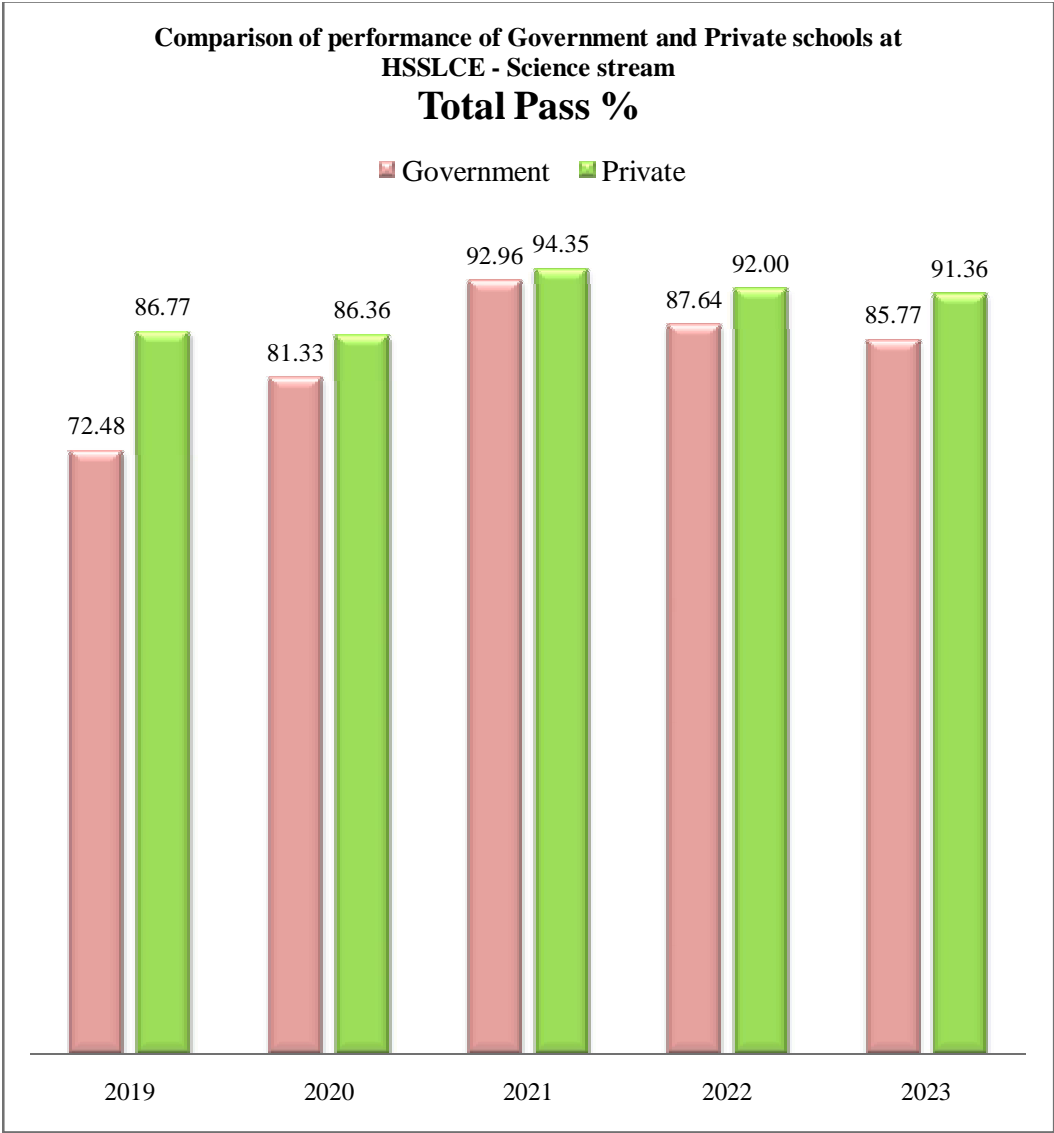
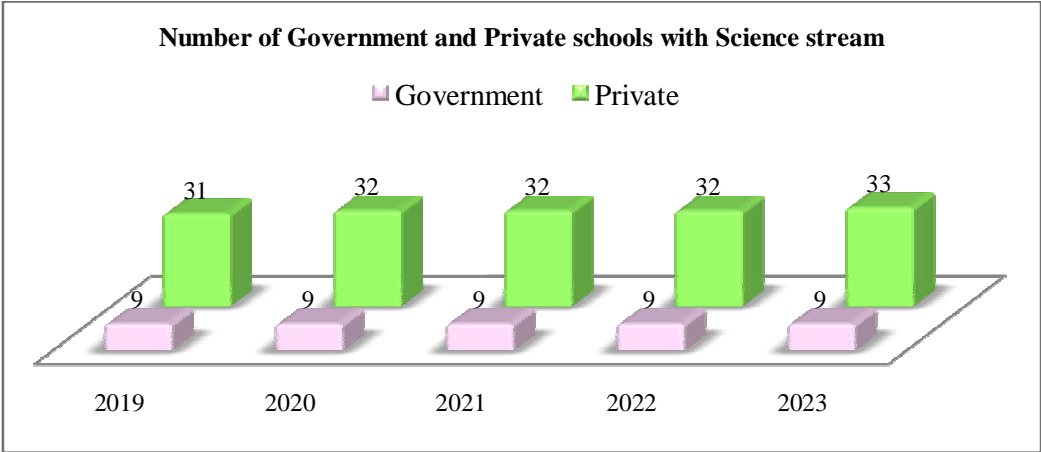


### Performance at HSSLC - Science stream from 2019-2023

■ Overall Pass %

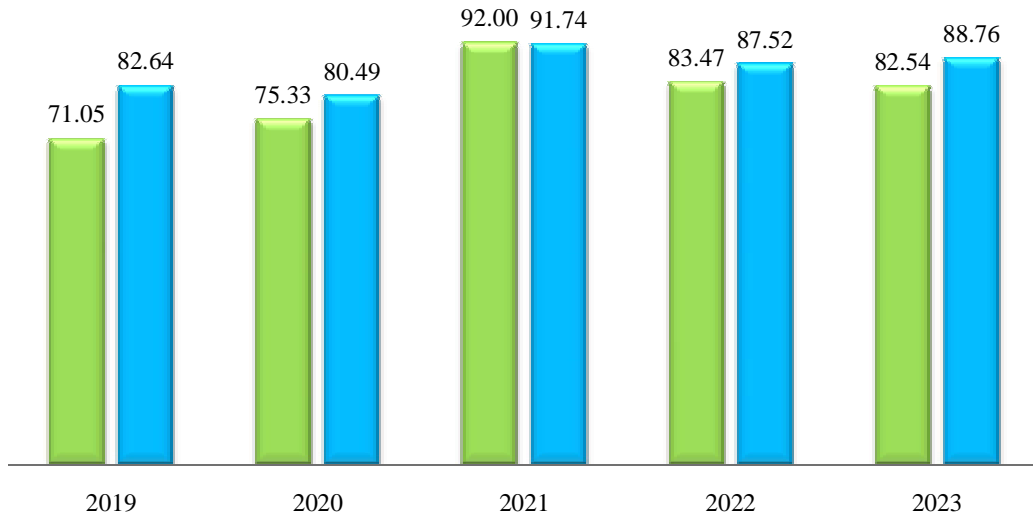






Comparison of performance of Government and Private schools at  
HSSLCE - Science stream  
**Male Pass %**

■ Government ■ Private



Comparison of performance of Government and Private schools at  
HSSLCE - Science stream  
**Female Pass %**

■ Government ■ Private

