

Department of Electronics

Evaluation Process to measure Attainment of COs, PSOs and POs:

Evaluation of Attainment of Course Outcomes (COs):

The Departments of the College evaluates the attainments of COs of the course. The method of evaluation of the COs is as follows.

1. Attainment of COs is measured directly in terms of performance of students in end semester examination conducted by the university.
2. After the declaration of university examination results, every department prepares programme wise and course wise result analysis report.
3. Departments evaluate overall attainment level for all COs for each course as following method.

In this method, the result analysis and the attainment can be calculated on students' performance like Excellent (A), Very Good (B) Good (C) and Average (D). Here passed percentage or attainment score give a best picture of how far students have understood the course.

The level of attainment is consider as follows.

A – No. of students those who have scored ≥ 75 % marks

B – No. of students those who have scored ≥ 60 % marks but < 75 % marks

C – No. of students those who have scored ≥ 50 % marks but < 60 % marks

D – No. of students those who have scored ≥ 35 % marks but < 50 % marks

Evaluation of Attainment of Programme Specific Outcomes (PSOs):

Attainment of PSOs of a given programme is evaluated on the basis of attainment of the respective PSOs at department level. The attainment of PSOs are evaluated by on the basis of Attainment scores of all corresponding COs and the overall performance of students in class unit tests, seminars, assignments, project assignments, project, field visit, semester exam and students' feedback on teaching, learning & evaluation.

Evaluation of Programme Outcomes (POs):

At the end of each program, evaluation of attainment of POs is done from the attainment of COs and PSOs of all subjects. Other key parameters considered for evaluation of attainment of POs are percentage of students due for degree, percentage of merits in university merit list, other achievements of the students and student's feedback.

Review on attainment of COs, PSOs and POs:

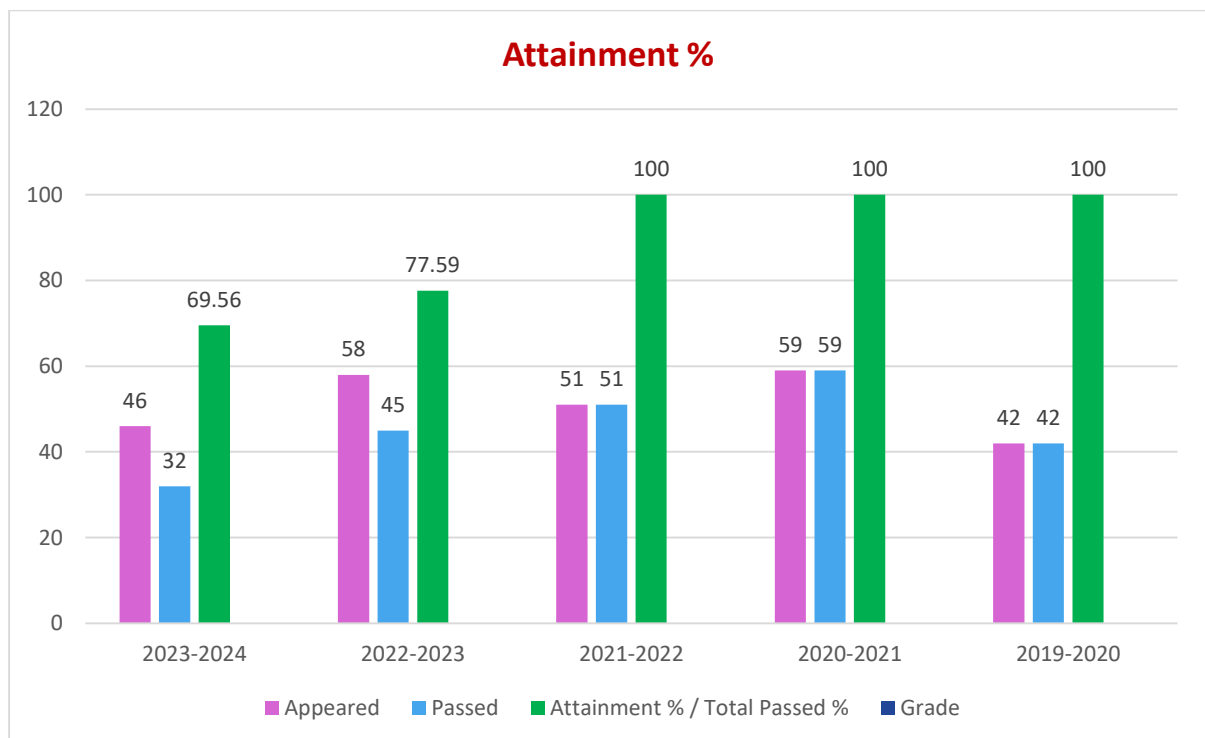
IQAC collects the quantitative reports on overall attainment of COs and PSOs of all programmes to prepare attainment of corresponding PO's. Result analysis of semester end university examinations is discussed in College Council of Heads, Staff Council and College Development Committee (CDC) meetings. According to suggestions of authorities of the said committees IQAC initiated the action for further improvement.

Year Wise Attainment Analysis of Programme Outcomes

Year / Session	Programme Name	No. of Students Appeared	No. of Students Passed	Attainment % / Total Passed %	Grade
2023-2024	BSc	46	32	69.56	Very Good
2022-2023	BSc	58	45	77.59	Excellent
2021-2022	BSc	51	51	100	Excellent
2020-2021	BSc	59	59	100	Excellent
2019-2020	BSc	42	42	100	Excellent

Year Wise Attainment Analysis of Programme Outcomes

Graphical Analysis



Evaluation about Attainment of Course Outcomes: Year 2023-24**Session 2023-24****Programme B.Sc. Electronics**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.**Department of Electronics****Program Name : B.Sc.****Course Name : ELECTRONICS**

Result Analysis of End Semester Examination:-

- A- No. of students those who have scored $\geq 75\%$ marks
 B- No. of students those who have scored $\geq 60\%$ marks but $\leq 75\%$ Marks
 C- No. of students those who have scored $\geq 50\%$ marks but $\leq 60\%$ Marks
 D- No. of students those who have scored $\geq 35\%$ marks but $\leq 50\%$ Marks

Semester-I (W-2023)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	39	23	58.97	2	10	9	2

Semester-II (S-2024)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	40	19	47.50	3	8	6	2

Semester-III (W-2023)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	41	37	90.24	4	12	18	3

Semester-IV (S-2024)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	30	19	63.33	3	8	7	1

Semester-V (W-2023)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	37	28	75.67	5	14	7	2

Semester-VI (S-2024)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	46	32	69.56	7	15	5	3



[Signature]
 Coordinator
 Department of Electronics
 SSEA's Science College,
 Congress Nagar, Nagpur-12

Session 2022-23

Programme B.Sc. Electronics

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.

Department of Electronics

Program Name : B.Sc.

Course Name : ELECTRONICS

Result Analysis of End Semester Examination:-

- A- No. of students those who have scored $\geq 75\%$ marks
- B- No. of students those who have scored $\geq 60\%$ marks but $\leq 75\%$ Marks
- C- No. of students those who have scored $\geq 50\%$ marks but $\leq 60\%$ Marks
- D- No. of students those who have scored $\geq 35\%$ marks but $\leq 50\%$ Marks

Semester-I (W-2022)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	53	23	43.40	8	12	2	1

Semester-II (S-2023)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	42	17	40.48	5	9	1	2


Semester-III (W-2022)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	33	19	57.58	7	5	6	1

Semester-IV (S-2023)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	54	36	66.67	8	14	10	4

Semester-V (W-2022)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	59	45	76.27	7	12	21	5

Semester-VI (S-2023)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	58	45	77.59	10	18	13	4




 Coordinator
 Department of Electronics
 SSEA's Science College,
 Congress Nagar, Nagpur-12

Session 2021-22

Programme B.Sc. Electronics

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.

Department of Electronics

Program Name : B.Sc.

Course Name : ELECTRONICS

Result Analysis of End Semester Examination:-

- A- No. of students those who have scored $\geq 75\%$ marks
- B- No. of students those who have scored $\geq 60\%$ marks but $\leq 75\%$ Marks
- C- No. of students those who have scored $\geq 50\%$ marks but $\leq 60\%$ Marks
- D- No. of students those who have scored $\geq 35\%$ marks but $\leq 50\%$ Marks

Semester-I (W-2021)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	58	58	100	51	6	1	0

Semester-II (S-2022)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	56	56	100	50	4	2	0


Semester-III (W-2021)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	60	60	100	51	6	3	0

Semester-IV (S-2022)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	60	60	100	48	6	4	2

Semester-V (W-2021)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	52	52	100	48	4	0	0

Semester-VI (S-2022)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	51	51	100	45	4	2	0




Coordinator
 Department of Electronics
 SSEA's Science College,
 Congress Nagar, Nagpur-12

Session 2020-21

Programme B.Sc. Electronics

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.

Department of Electronics

Program Name : B.Sc.

Course Name : ELECTRONICS

Result Analysis of End Semester Examination:-

- A- No. of students those who have scored $\geq 75\%$ marks
- B- No. of students those who have scored $\geq 60\%$ marks but $\leq 75\%$ Marks
- C- No. of students those who have scored $\geq 50\%$ marks but $\leq 60\%$ Marks
- D- No. of students those who have scored $\geq 35\%$ marks but $\leq 50\%$ Marks

Semester-I (W-2020)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	61	61	100	55	5	1	0

Semester-II (S-2021)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	63	63	100	58	3	2	0


Semester-III (W-2020)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	52	52	100	49	03	0	0

Semester-IV (S-2021)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	50	50	100	48	2	0	0

Semester-V (W-2020)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	59	59	100	54	4	1	0

Semester-VI (S-2021)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	59	59	100	57	2	0	0




Coordinator
 Department of Electronics
 SSEA's Science College,
 Congress Nagar, Nagpur-12

Session 2019-20

Programme B.Sc. Electronics

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.

Department of Electronics

Program Name : B.Sc.

Course Name : ELECTRONICS

Result Analysis of End Semester Examination:-

- A- No. of students those who have scored $\geq 75\%$ marks
- B- No. of students those who have scored $\geq 60\%$ marks but $\leq 75\%$ Marks
- C- No. of students those who have scored $\geq 50\%$ marks but $\leq 60\%$ Marks
- D- No. of students those who have scored $\geq 35\%$ marks but $\leq 50\%$ Marks

Semester-I (W-2019)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	49	43	87.75	6	11	20	6

Semester-II (S-2020)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	53	53	100	18	28	5	2


Semester-III (W-2019)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	46	43	93.47	8	14	21	0

Semester-IV (S-2020)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	47	47	100	18	15	14	0

Semester-V (W-2019)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	40	39	97.5	10	27	2	0

Semester-VI (S-2020)							
Subject	Appeared	Pass	%	A	B	C	D
ELECTRONICS	42	42	100	16	24	2	0




 Coordinator
 Department of Electronics
 SSESA's Science College,
 Congress Nagar, Nagpur-12