

## Department of Electronics

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

#### **Evaluation of Attainment of Course Outcomes (COs):**

The Electronics Department 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, the department prepares result analysis report.
3. Departments evaluate overall attainment level for all COs 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  $\geq 75$  % marks

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

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

D – No. of students those who have scored  $\geq 35$  % 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.

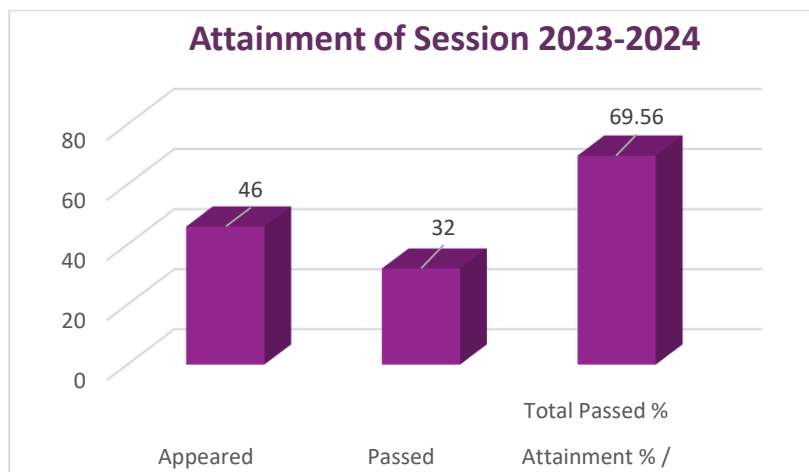
#### **Review on attainment of COs, PSOs and POs:**

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.

## Attainment Analysis of Programme Outcomes Session 2023-24

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

### 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



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