

# ACADEMIC AUDIT REPORT FOR ACADEMIC YEAR

## 2022-23

Department of Electronics



Shri Shivaji Education Society, Amravati's

**SCIENCE COLLEGE**

Congress Nagar, Nagpur-12 (M.S.), India



*Shri Shivaji Education Society Amravati's*  
**Science College, Congress Nagar, Nagpur**  
*Internal Quality Assurance Cell*

**DEPARTMENT OF ELECTRONICS**

**INTERNAL ACADEMIC AUDIT**

**2022-2023**

1. A. Faculty Strength:

Faculty	Recruited	Vacant	Remarks
Regular (B.Sc.)	02	01	NIL
CHB	00	00	NIL
Adhoc(BSc)	01	NIL	NIL
Non-teaching	02	NIL	NIL

B. Faculty Profile

Name	Highest Qualification	Designation	Specialization	Teaching Experience
Prof. S. M. Ghatole	M.Sc., Ph.D.	Professor and Head (Retired on 30.06.2023)	Biomedical Instrumentation	36
Prof. M. J. Headu	M.Sc., Ph.D.	Professor (Retired on 31.07.2022)	Processor Designing	35

2. Student's Strength

Year	Group	Number of Students Admitted
B.Sc. Semester I	ECsM	32
	PEM	21
	<b>Total</b>	<b>53</b>
B.Sc. Semester III	ECsM	33
	PEM	26
	<b>Total</b>	<b>59</b>
B.Sc. Semester V	ECsM	31
	PEM	30
	<b>Total</b>	<b>61</b>

M.Sc. Semester I		
M.Sc. Semester III		
Ph.D.		
Value Added Program		

P. G. STUDENT INDUCTION PROGRAMME	No
ACADEMIC PLANNINGS	Yes
BRIDGE COURSE TAUGHT	Yes
REMEDIAL COURSE TAUGHT	No

### 3. Student Performance

#### A. Result Analysis (Winter 2022) UG & PG

Programme Name	Number of students who appeared in the final year examination	Number of students who passed in final year examination	Pass Percentage
B.Sc. I	53	23	43.40%
B.Sc. III	33	19	57.58%
B.Sc. V	59	45	76.27%

#### A. Result Analysis (Summer 2023) UG & PG

Programme Name	Number of students who appeared in the final year examination	Number of students who passed in final year examination	Pass Percentage
B.Sc. II	42	17	40.48%
B.Sc. IV	54	36	66.67%
B.Sc. VI	58	45	77.59%

#### B. Achievements

##### A- (Medals/Awards/Prizes at University level)

Sr. No.	Name of the Students	Class	Title
1	Nil	-	-

#### Merit Position of UG Students in RTMNU

Sr. No.	Name of the Students	Merit Position

#### 4. Student's Progression:

No. of students enrolling in higher Education	Name of institution joined	Name of program admitted to
UG to PG (2 Students)	G.H. Rasoni College	MCA
PG to Research	-	
Placement		
On-Campus		
Off-Campus	4	

#### (i) Students' publication in Conferences/ Journals:

Title of the Paper	Name of Author	Title of journal	Year of publication

#### (ii) Students' participation in Seminar / Conferences:

Sr. No.	Name of Students	Conference type	Participation as
1.	35	College Seminar	Seminar Presentation & Attending seminar
2.	10	National Conference	Attending conference
3.	4	National Conference (ISCA-2023)	Visited & Attending conference at RTMNU Campus

#### (iii) Students' Extension Activity/ Extracurricular activity

Sr. No.	Name of the activity	The number of students who Participated
1.	NSS (4 Students)	1. Abhishakti Ghugal (BSc-I ECsM) 2. Ujwal Mankar (BSc-I ECsM) 3. Shruti Samarth (BSc-II PEM) 4. Aniket Barapatre (BSc-II ECsM)
2.	NCC (3 Students)	1. Shivani Sharma (BSc-I PEM) 2. Sakshi Dhakate (BSc-II PEM) 3. Muskan Pathak (BSc-II PEM)
3.	Bhauasaheb Jayanti Utsav-2022 (7 Students)	1. Dubey Isha Roshan (BSc-I PEM) 2. Ghugal Abhishakti Haribhau (BSc-I ECsM) 3. Dhakate Sakshi Pramod(BSc-II PEM)

		4. Sangitrao Vipul Dipak (BSc-II ECsM) 5. Durge Rupali Raju(BSc-III PEM) 6. Chaudhari Sharvari Sanjay(BSc-III ECsM) 7. Parise Prathmesh Jitendra (BSc-III ECsM)
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(iv) Participation of Students in online/MOOCs courses/ NPTEL/ SWAYAM

Sr. No.	Name of the Students	MOOCs / NPTEL/ SWAYAM
1	Achal R. Kangale	SWAYAM
2	Tamanna V Yadav	SWAYAM
3	Bhagyashree C. Sonwane	SWAYAM
4	Shreya N. Dokwal	SWAYAM
5	Muskan V. Pathak	SWAYAM
6	Vishaka M. Khaini	SWAYAM
7	Vipul D, Sangitrao	SWAYAM

5. Faculty

I. Research Paper Publications : -

A. Total Number of publications : -

i) International : -

ii) National : -

B. Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Sr. No.	Name of Author	Title of the Paper	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self-citation

C. Faculty participation in conferences/seminars/workshops and symposia:

Sr. No.	Name of the Faculty	Title of Conference/ Seminar / workshop Attended	Period	Level International/ National/State /University /College	Whether Presented papers	Whether abstract /paper published In Souvenir/Abstract Book

1.	Prof. S. M. Ghatole	Attended 108 <sup>th</sup> Indian Science Congress Association (ISCA-2023)	03-07/01/2023	National Conference	No	No
2.	Prof. S. M. Ghatole	Attended National Conference on Research Innovations in ICT and Computing Technologies (NCRICT-2023)	March 27-28, 2023	National Conference	No	No

D. Awards to Faculty members

Name of Teacher	Title of the Award	Title of Agency/Conference	National / International
-	-	-	-

6. Number of functional MoUs with institutions, other universities, industries, corporate houses, etc. during the year

The organization with which MoU is signed	Year of signing MoU	Duration	List the actual activities under each MOU year wise	Number of students/teachers who participated under MoUs

7. Research funds sanctioned and received from various agencies, industries and other organizations

Nature of the Project	Duration	Name of funding Agency	Amount Sanctioned	Amount Received
-	-	-	-	-

8. Books Published

	Book		Book Edited
	Title	ISBN and Date	Chapter

9. Research Guidance by Faculty during the year

Name of the guide	Ph.D		
	Awarded	Submitted	Registered


10. Generation of funds through internal and external sources such as donations, consultancy, self-financing courses and so on.

Name of the nongovernment funding agencies/ individuals/ self-financing courses /consultancy service.	Purpose of the Grant/Fund	Fund generated in rupees.

#### 11. Alumni Engagement

a. Contributes significantly to the development of the institution through financial and other supports.

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#### 12. Action Plan of the Department

1. To recommended for the recruitment of the faculty members.
2. To start Certificate course in Electronics Technology, if possible.
2. To conduct Quiz competition and Workshop on hands on training.
3. To Conduct Guest Lecture/Seminar.

#### 13. Best Practices of the department

- The faculty members of the department always encourage the students to appear various Competitive UPSC, MPSC and Entrance Examinations at National Level.
- The faculty members provide complete information and guidance about higher studies, job oriented courses and other opportunities for Electronics students.
- ICT based Teaching–Learning environment.

#### 14. SWOT Analysis

##### **Strength:**

1. Dynamic and Encouraging Principal and Democratic Management.
2. Well furnished Department and Laboratory.
3. Good communication between teaching & non teaching staff.
4. Safe and secure environment for co-education with value addition.
5. Students managed Electronics Subject Society.
6. Parent-Teachers interaction is encouraging and mentoring.
7. Internet, WiFi and ICT facilities available.

**Weakness:**

1. Lack of qualified faculty.
2. Less percentage of campus recruitment.


**Opportunities:**

1. Science culture and Scientific / technological approach.
2. Regular Internal Assessment by conducting Unit Test and home assignment
3. Remedial teaching is provided to weak students.
4. Training and Placement Cell in the college.
5. Career and Counseling Guidance Cell.
6. Internet and Digital Library in the college.
7. ICT based culture enhancement.
8. MahaDBT, NSP, Dr. Punjabrao Deshmukh Scholarship for needy students.
9. INSPIRE scholarship for advance learner.

**Challenges:**

1. Unemployment problem due to lack of Industrial zone.
2. Declining interest in pure and basic science subjects.
3. To improve the course curriculum as per the current technology.

Date: 21.03.2024

  
**Dr. J. K. Keche**  
Signature of Coordinator  
**Coordinator**  
**Department of Electronics**  
**SSEA's Science College,**  
**Congress Nagar, Nagpur-12**



Name of the Department:- **Electronics**

Subject Topper in (B. Sc.)

Session:- (2022-2023) Winter 2022

**Semester I**


Sr. No.	Name of students	Groups	Marks	Rank
1.	Miss. Bhagyashree Sonawane	ECSM	122	1
2.	Miss. Khushi Akhare	ECSM	116	2
3.	Miss. Shital Singh	ECSM	116	2

**Semester III**

Sr. No.	Name of students	Groups	Marks	Rank
1.	Miss. Vishaka M. Khiani	ECSM	150	1
2.	Miss. Kiran Rao	ECSM	138	2
3.	Miss. Shreya Dokwal	PEM	136	3

**Semester V**

Sr. No.	Name of students	Groups	Marks	Rank
1.	Miss. Achal Meshram	ECSM	141	1
2.	Mr. Sarsh Basopulkar	ECSM	129	2
3.	Miss. Mukta Deshpande	ECSM	129	2

  
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**Semester II**


Sr. No.	Name of students	Groups	Marks	Rank
1.	Miss. Krutika Ghormare	ECSM	110	1
2.	Miss. Bhagyashree Sonawane	ECSM	109	2
3.	Tamanna Yadav	ECSM	106	3

**Semester IV**

Sr. No.	Name of students	Groups	Marks	Rank
1.	Miss. Vishaka M. Khiani	ECSM	139	1
2.	Miss. Pari Balapure	PEM	126	2
3.	Miss. Gauri Zade	PEM	125	3

**Semester VI**

Sr. No.	Name of students	Groups	Marks	Rank
1.	Mr. Shubham Kohare	ECSM	133	1
2.	Miss. Siya Thakur	PEM	126	2
3.	Mr. Soham Deshmukh	PEM	123	3

  
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**NOTICE**

Date: 15-03-2024

All the heads of department are requested to fill up the shared Internal Academic Audit blank proforma and keep it ready with supporting documents for the Internal Academic Audit Session 2022-23 Committee Visits on 19<sup>th</sup> and 21<sup>st</sup> March 2024. The preparedness checklist includes filling in the New Academic Audit Proforma with supporting documents, completing the Academic Diary of the Session 2022-2023, and ensuring the availability of Student's Attendance Registers/Sheets. It is also to be ensured that all faculty should be present at the time of visit. The schedule of the visit is as follows:

Day I – Tuesday, 19 <sup>th</sup> March 2024	
Time	Department
11.00 AM – 11.30 AM	Physics
11.30 AM – 11.45 AM	Chemistry
11.45 AM – 12.15 PM	Botany
12.15 PM – 12.40 PM	Zoology
12.40 PM – 01.05 PM	Computer Science
01.05 PM – 01.20 PM	Mathematics
01.20 PM – 01.35 PM	Language
Day II – Thursday, 21 <sup>st</sup> March 2024	
09.00 AM – 09.30 AM	Geology
09.30 AM – 10.00 AM	Microbiology & Biotechnology
10.00 AM – 10.30 AM	Statistics
10.30 AM -- 11.00 AM	Electronics

**Audit Team:**

- |                       |                  |
|-----------------------|------------------|
| 1. Prof. M P Dhore    | Chairperson      |
| 2. Prof. R N Deshmukh | Member           |
| 3. Prof. S R Pande    | Member           |
| 4. Dr. A A Halder     | IQAC Coordinator |



Dr A A Halder  
Coordinator, IQAC  
Science College,



Prof. M. P. Dhore  
Principal  
Science College,

