

1. Vision and Mission of the Department

"We Educate Technocrats and the Technocrats Build Technology"

Vision:-

To emerge as a centre for Excellence in 'Electronic science' of very high standard.

Mission:-

We dedicate and committed ourselves to provide education in 'Electronic science' and its Applications to the students, to enrich them with the latest trends in the subject 'where sky is the limit'.

To this end, we will pursue advancements and provides our students a technologically up to date and intellectually inspiring environment of learning, creativity and innovations by the means of co-curricular activity, instill in them ethical and moral values.

Core values of the Department

Department of Electronics stands firm and steadfast for its values and noble ideas. The core identified values of the department encompassing its activities and endeavors are:

1. Value Based Education:

It create a vibrant learning environment emboldened with values and ethics that enhance academic excellence and hone students' social and interpersonal skills making them responsible citizens.

2. Equity and Inclusiveness:

It empowers students with optimum knowledge and opt skills to participate, collaborate, compete and connect with the society, overcoming barriers of personal or socioeconomic circumstances in a bid to succeed.

3. Equality:

We are committed to creating an Institution and a society as 'Lokvidyapith' where stakeholders are appreciated and judged based on their contributions and performance rather than gender, race, religion, physical abilities, sexual identity, or socioeconomic condition. Through the work of this Institution, we will create awareness and work for to eliminate, individual and Institutional racism.

4. Sustainability:

Envision of environment and socioeconomic requirements, imbibe knowledge and furbish skills necessary to attain sustainable development.

5. Compliance with Requirements:

We ensure assured compliance in every activity and procedure, with the established guidelines and specifications set by the governing authorities and statutory bodies.

2. A. Faculty Strength:

Faculty	Recruited	Vacant	Remarks
Regular	03	01	Due to Retirement
CHB	01	01	Left at the end
Adhoc	-	-	-
Non-teaching	02	-	-

B. Faculty profile

1. Teaching Staff

Sr. No.	Name of Faculty Member	Designation	Qualification
1.	Dr. Suresh M. Ghatole	Associate Professor & Head	M. Sc. Ph. D.
2.	Dr. Mahesh J. Hedau	Associate Professor	M. Sc. Ph. D.

2. Supporting Staff

Sr. No.	Name of Supporting Staff Member	Designation
1.	Mr. Vitthal K. Zalke	Laboratory Attendant
2.	Mr. Bablu L. Patil	Peon

Student's strength

Year	Group (PEM/ECSM)	Number of Students Admitted
B.Sc. Semester I	53	53
B.Sc. Semester III	46	46
B.Sc. Semester V	40	40

3. Students Performance

A. Result Analysis (Winter 2019)

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
UG	B. Sc. Sem. I	-	45	43	95.50
	B. Sc. Sem.III	-	46	43	93.47
	B. Sc. Sem. V	-	40	39	97.50

➤ Result of Even Semester is not available due to COVID-19

B. Achievements (Medals/Awards/Prizes at University level)

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

4. Students Progression:

- a) Participation in Student Induction Programme
- b) Students' publication in Extracurricular activity: Nil
- c) Students' Extension Activity: NCC/NSS
- d) Guest Lecture on Fuzzy Logic by Dr. R. R. Mudholkar (August 28, 2019).
- e) Webinar on Microcontrollers and its Applications by Dr. P. T. Karule (May 14, 2020).
- f) No. of Students pursuing higher course: About 40 %
- g) Students' participation in seminar: 100%
- h) Students' Learning course through online: 100%

5. Faculty

I. Research Paper Publications

A. Total Number of publications:

- i) International - 08
- ii) National - 02

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self-citation
Wireless Communication Technology: A Vital Role in Healthcare Management	S. M. Ghatole	Global Journal of Engineering, Science & Social Science Studies (GJESSS), online at www.gjess.edwin.co.in Volume 05, Issue 06, June 2019 ISSN- 2394-3084, pp 1-4, Peer Reviewed, Impact Factor- 5.034	June 2019			
RFID Technology and its Operation in E-Healthcare System	S. M. Ghatole	International Journal of Multidisciplinary Educational Research (IJMER) India ISSN-2277-7881, pp 77-83, Volume 8, Issue 12(5), December	December 2019			

		2019, Impact Factor - 6.014, Peer Reviewed and Indexed Journal. UGC Approved Journal No. 41602 as per UGC CARE Regulation				
Ubiquitous Healthcare System and Wireless Biosensors	S. M. Ghatole	International Journal of Multidisciplinary Educational Research (IJMER) India ISSN-2277-7881, pp 1-6, Volume 9, Issue 1 (2), January 2020, Impact Factor-6.014, Peer Reviewed and Indexed Journal. UGC Approved Journal No. 41602 as per UGC CARE Regulation	January 2020			
Quality Policy Design for Problems in Educational Institutions	S. M. Ghatole, P. B. Dahikar	International Conference On E-Business, E-Management, E-Education and E-Governance (ICE4-2020) Organised by Kamla Nehru Mahavidyalaya, Nagpur 7th & 8th February-2020, OUR HERITAGE ISSN: 0474-9030, Vol-68, Special Issue-9, pp 47-51, UGC CARE listed Journal.	February-2020			
Application Of Iot-In	M. J. Hedau	IJRAR-International	2020			

Wireless Microcontroller Based Prepaid Energy Meter		Journal Of Research And Analytical Reviews (IJRAR) Volume 7 Issue 2				
Design And Development Of Intelligent Gesture Controlled Remote Operated Wheel Chair	M. J. Hedau	International Journal Of Research And Analytical Reviews (IJRAR)	2020			
IoT Based Comparative Study of Different Batteries	M. J. Hedau	International Journal of Computational Engineering Research (IJCER)	2020			
Design And Development Of Intelligent System For Waste Collection And Handling I-Swachh	M J Hedau	IJSRCETI	2020			

C. Faculty participation in conferences/seminar/workshop and symposia:

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
S. M. Ghatole	National Conference on Science and Technology Rural Development (NCSTRD - 2019)	Shivaji Science College, Nagpur	National	Yes	Proceeding pp 25.

S. M. Ghatole	National Conference on Science and Technology Rural Development (NCSTRD - 2019)	Shivaji Science College, Nagpur	. National	Yes	proceeding pp 61
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D. Awards to Faculty members:

Dr. M. J. Hedau: Awarded as Best Professor of the year 2019 by Association of Scientist Developers and faculties (ASDF), a UK based organization.

6. MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Date of MOU	Organization	Purpose/Activity	Student Participate under MOU
-	-	-	-

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

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

8. Books Published

Name of the Author	Book		Book Edited
	Title	ISBN and Date	Chapter
Nil	-	-	-

9. Research Guidance by Faculty during the year 2019-20

Name of the guide	Ph.D		
	Awarded	Submitted	Registered
Dr. Mahesh J. Hedau	Nil	01	Nil

10. Action Plan of the Department

- To establish the Model UG Laboratory
- To focus on Biomedical instruments
- To start Certificate course in Recent Advances

11. Best Practices of the department

- To prepare value added and skillful technocrats.
- The teacher provides complete information and guidance about higher studies, job oriented courses and other avenues open for electronics students.
- The teachers of the department always encourage the students to appear for various Competitive and Entrance Examinations at National Level.

12. SWOC Analysis

Strength

- Experienced, Skilled, Dynamic & Dedicated faculty.
- Enthusiastic and Encouraging Principal & Democratic Management.
- Safe and secure environment for co-education with Value addition.
- Availability of Interdisciplinary approach.
- Parent Teachers interaction is encouraging.

Weaknesses

- Short of Add-on/skill oriented courses.
- Less percentage of campus recruitment.
- Lack of infrastructure for practical.

Opportunities

- Science Culture and Scientific/ technological Approach.
- Bridge course for entrants.
- Training & placement cell in College.
- Academic and Extension activities are encouraged.
- Internal Assessment through Unit/Surprise/Common test and home Assignment.
- Career and Counseling Guidance Cell

Challenges

- Declining interest in pure and basic science subjects
- To improve the course curriculum to cope up with Recent Technology

S. S. Ghate

**Associate Professor and Head
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S.S.E.S. AMT's Science College
Congress Nagar Nagpur.**

Department of Electronics

B. Sc. Semester I (Winter-2019)

RESULT ANALYSIS

Total Number of students appeared for Exam.	45
Total Number of students passed in Exam.	43
Passing percentage	95.50

Number of students appeared	Theory		Practical
	Paper I	Paper II	
45	38	39	43
	84.00%	90.69%	100 %

Number of students passed in Distinction class -	11
Number of students passed in First class -	24
Number of students passed in Second class -	08

Students	Appeared	Passed	Percentage
Boys	20	19	95.00
Girls	25	24	96.00
Total	45	43	95.50

Students Passed in Distinction class

Sr.No	Name	Marks
1	Sakshi Bidkar	134
2	Dipali Ugemuge	133
3	Aishwarya Raut	131
4	Anuj Khapekar	124
5	Sakshi Wahane	123
6	Nidhi Singh	121
7	Nisha Nayak	119
8	Viplav Kamble	119
9	Prachi Gaur	115
10	Sampada Navghare	111
11	Sampada Sahu	111

S. S. S. S.

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B. Sc. Semester III (Winter-2019)

RESULT ANALYSIS

Total Number of students appeared for Exam.	46
Total Number of students passed in Exam.	43
Passing percentage	93.47

Number of students appeared	Theory		Practical
	Paper I	Paper II	
46	36	37	40
	90.00%	92.50%	100%

Number of students passed in Distinction class -	04
Number of students passed in First class -	21

Students	Appeared	Passed	Percentage
Boys	21	19	90.4
Girls	25	24	96.00
Total	46	43	93.47

Students Passed in Distinction class

Sr.No	Name	Marks
1	Kanchan Digambare	123
2	Utkarsha Khot	119
3	Suhas Potfode	114
4	Pooja Manmode	112

Shahade

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Congress Nagar Nagpur.

Department of Electronics
B. Sc. Semester V (Winter-2019)
RESULT ANALYSIS

Total Number of students appeared for Exam.	40
Total Number of students passed in Exam.	39
Passing percentage	97.50

Number of students appeared	Theory		Practical
	Paper I	Paper II	
40	36	37	40
	90.00%	92.50%	100%

Number of students passed in Distinction class -	09
Number of students passed in First class -	27
Number of students passed in Second class -	03

Students	Appeared	Passed	Percentage
Boys	10	10	100.00
Girls	30	29	96.66
Total	40	39	97.50

Students Passed in Distinction class

Sr.No	Name	Marks
1	Aditya S Jogwar	121
2	Laxmi S Sahu	117
3	Neha L Hikre	117
4	Nupur Soni	116
5	Smruti Bhengra	115
6	Devyani Pranjale	113
7	Safira Ahamad	112
8	Sheetal Thakre	112
9	Urmy Gosar	112

Signature

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