

Department of Electronics

1. **Name of the Department:** ELECTRONICS
2. **Year of establishment:** JUNE 1984
3. **Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Utt. etc.):** UG
4. **Interdisciplinary programmes and departments involved:** NIL
5. **Examination System:** Annual/Semester (Trimester Choice Based Credit) **System:** Semester
6. **Participation of The department in the courses offered by other department:** NIL
7. **Courses in collaboration with other universities industries foreign industries :-** None
8. **Details of the courses/ programee discontinued (if any):-** None
9. **Number of teaching posts sanctioned, filled and actual:**

	Sanctioned	Filled
Associate Professor	00	00
Assistant Professor	03	02

10. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.**

<i>Teaching Name of Faculty</i>	<i>Qualification</i>	<i>Designation Status</i>	<i>Permanent /CHB</i>	Specialization	No. of Years of Experience
<i>Mr. D. A. Yadav</i>	<i>M.sc.</i>	<i>Assistant Professor</i>	<i>Permanent</i>	<i>Applied Electronics</i>	<i>25</i>
<i>Mr. C. B.Patil</i>	<i>M.sc.</i>	<i>Assistant Professor</i>	<i>Permanent</i>	<i>Applied Electronic</i>	<i>23</i>
<i>Miss. K.R.Yadav</i>	<i>M.Sc</i>	<i>Assi. Prof</i>	<i>C.H.B</i>	<i>Embedded System</i>	<i>4</i>
<i>Mr. P.B. Mattikali</i>	<i>M.Sc</i>	<i>Assi. Prof</i>	<i>C.H.B</i>	<i>Communication sysyem</i>	<i>5</i>
<i>Miss. R.B.Koli</i>	<i>M.Sc</i>	<i>Assi.Prof</i>	<i>C.H.B</i>	<i>VLSI Designe</i>	<i>3</i>
<i>Miss. T.R.Yadav</i>	<i>M.Sc</i>	<i>Assi.Prof</i>	<i>C.H.B</i>	<i>VLSI Designe</i>	<i>1</i>
<i>Mr. K.D.Attar</i>	<i>M.Sc</i>	<i>Assi.Prof</i>	<i>C.H.B</i>	<i>Embedded System</i>	<i>5</i>

11. **List of senior visiting faculty:-** NIL
12. **Percentage of lectures delivered and practical classes handled by temporary faculty: -** (Grantable- 30%, Non-Grantable-100%)

13. Programme-wise Student Teacher Ratio (2015-16):---

Sr. No	Class	No. of Students	No. of Faculty	Ratio
1	B.sc I	74	2	37:1
2	B.sc II	36	2	18:1
3	B.sc III	25	2	12.5:1

14. Number of academic support staff (technical) and administrative staff sanctioned filled and actual: -

Posts	Sanctioned	Filled
<i>Lab Assistant</i>	<i>1</i>	<i>1</i>
<i>Lab Attendant</i>	<i>1</i>	<i>1</i>

15. Qualifications of teaching Faculty with Ph.D./ M.Phil./PG:

Faculty with P.G. – 02

16. Number of faculty with ongoing projects from:

(i) National: Nil

(ii) International funding agencies -----

(iii) Total grants received: Nil

17. Departmental projects funded by DST-FIST; UGC-SAP/CAS, OPE; DBT, ICSSR, AICTE, etc. total grants received:- Nil

18. Research centre/ faculty recognized by the university:- Nil

19. Publications: ---

• Books with ISBN with details of publishers:

Name of Authors	Title of Book	Publisher	ISBN No.
D. A. Yadav	ELECTRONIC CIRCUITS SEM-I, Paper IV	Nirali Prakashan	ISBN 978-93- 83971-38-1

20. Areas of consultancy and income generated- Informal consultancy in maintenance of electronic appliances.

21. Faculty serving in:

- (a) National committees— Nil
- (b) International committees- Nil
- (c) Editorial Boards – Nil

22. Student projects

- a) Percentage of students who have done in-house projects including interdepartmental projects— Yes B.Sc.III 100% , (All Students)
- b) Percentage of students doing project in collaboration with other industry/ institute: - Nil

23. Awards /recognitions received at the national and international level by

- Faculty: 1) D.A. Yadav awarded Best Programme Officer award of Shivaji University.

24. List of eminent academicians and scientists/ visitors to the department:- Nil

25. Seminars/Conferences/Workshops organized and the source of funding (national\international) with details of outstanding participants, if any: Nil

26. Student profile programme course-wise:

Name of the course & Year	Application Received	No of students Enrolled			Pass Percentage %
		Sancationed	Female	Male	
B.Sc III 2015-2016	25	25	12	13	100

27. Diversity of Students -2015-16

Name of the Course	% of Students from Same State	% of Students from other State	%of Students from Abroad
B. Sc.	100	—	—

28. How many students have cleared national and state competitive and Defence Services examinations, such as NET, SET, GATE civil services defense services etc.:- Nil

29. Student progression-2015-16

Student Progression	Percentage against enrolled
UG to PG	3%

30. Infrastructural Facilities

- (i) Library: Separate library is maintained in the department. The available books are forty one.
- (ii) Internet facilities for staff and students: are provided for staff and students also
- (iii) Total number of class rooms: 3
- (iv) Class rooms with ICT facility: 1, common ICT – auditorium and IT laboratory
- (v) Students' laboratories: 1) One laboratory
- (vi) Research laboratories: -----Nil

31. Number of students receiving financial assistance from college, university, government or other agencies:

Students from socially and economically under privileged groups are getting scholarship/freeship from state Government

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:-

Seminars, guest lectures, Quiz competition, Poster presentation/wall paper presentation are organized

33. Teaching methods adopted to improve student learning

Unit test, Assignments, Surprise test, open book test, Group discussion, Industrial visit
2K13 Quiz organized on 18/11/2013, 2K16 Quiz organized on 25/9/2016. Project based teaching learning.

34. Highlight the participation of students and faculty in extension activities.

- 1) Students play active role in extension activities through N.S.S.
- 2) Shri Mattikali P.B. won prize in Avishkar for innovative project ideas. (Remote controlled wheel chair)

35. SWOC analysis and future plans of the department

Strengths:-

- 1. Good academics, best co- curricular activities
- 2. Consistently good results.
- 3. Students projects
- 4. Departmental participation in Avishkar.

Weaknesses: -

- 1. No National /state level seminar /conference
- 2. No minor research projects.

Opportunities:-

1. To enrich the dept laboratory.
2. To introduce certificate course in maintance of electronic appliances.

Challenges:-

1. Organization of a national Seminar/Conference
2. To initiate collaborative research activities

Future plans of the department.

1. To start certificate course in maintainance of electronic appliances used in daily life.
2. To organize National seminar/conference.
3. To undertake research projects