

## Evaluative Report of Electronics Department (2014 -15)

1. Name of the department :- **Electronics**
2. Year of Establishment :- **1985**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :- **UG – B.Sc. I / II / III ( Electronics )**.
4. Names of Interdisciplinary courses and the departments/units involved :- **Nil**
5. Annual/semester/choice based credit system (programmewise) :- **Semester System UG - B.Sc. I / II / III ( Electronics )**.
6. Participation of the department in the courses offered by other departments :- **Combination with Physics, Computer Science & Mathematics**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. :- **Nil**
8. Details of courses/programmes discontinued (if any) with reasons :- **Nil**
9. Number of Teaching posts :-

	sanctioned	Filled
Professors	–	–
Associate Professors	<b>04</b>	<b>02</b>
Asst. Professors	–	–

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ Ph.D. / M. Phil. etc.);:-

Name	Qualification	Designation	Specilization	Exper ience in yrs	Ph.D. Students guided
<b>Mr. K. V. Pawar</b>	<b>M.Sc. (A.E.)*</b>	<b>Associate Professor</b>	<b>Electronics</b>	<b>28</b>	–
<b>Mr. R.R. Zoting</b>	<b>M.Sc. (A.E.)*</b>	<b>Associate Professor</b>	<b>Electronics</b>	<b>27</b>	–

\* Applied Electronics

11. List of senior visiting faculty :- **Nil**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty :- **Nil**
13. Student -Teacher Ratio (programme wise) :- **B.Sc.I-26 : 1,B.Sc. II-26:1,B.Sc.III-24:1**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :-

Assistant-Nil, Attendant-02

Name	Qualification	Designation	Experience in yrs
Mr. N. A. Tidke	S.S.C	Lab. Attendant	25
Mr. G. B. Ajankar	H.S.C	Lab. Attendant	24

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. :- **Nil**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :- **02 - UGC funding.**
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received :- **Rs. 1,67,000/- From UGC.**
18. Research Centre /facility recognized by the University :- **Nil**
19. Publications: :- **Nil**
20. Areas of consultancy and income generated :- **Nil**
21. Faculty as members in a) National committees b) International Committees  
c) Editorial Boards.... :- **Nil**
22. Student projects
  - a) Percentage of students who have done in-house projects including inter departmental/programme :- **31.13%**
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies :- **Nil**
23. Awards/ Recognitions received by faculty and students :-
  - **Miss. Riya R. Tekade got 8<sup>th</sup> rank in B.Sc. merit list of SGB Amravati University, Amravati in Summer 2014 examination .**
  - **Miss Riya R. Tekade Scored Highest marks in Electronics subject ( 91.22%) among the colleges run by Shri Shivaji Education Society, Amravati. & Felicitated by Hon'ble Ad. Shri Arunbhau Shelke president, Shri Shivaji Education Society, Amravati on dated 5<sup>th</sup> sept 2014 at Shri Shivaji B.Ed. College, Amravati.**
  - **Miss. Minal K. Pawar got 10<sup>th</sup> rank in B.Sc. merit list of SGB Amravati University, Amravati in Summer 2014 examination .**
24. List of eminent academicians and scientists/ visitors to the department :-
  - 1. Electronics Association inauguration & speech on 'Use of Electronics in Routine life**

by Prof. T. V. Warhakar, Ex-H.O.D. of Mathematics Mahatma Fule M.V. Warud on dated 11<sup>th</sup> Oct. 2014

2. The speech on 'Digital Electronics' delivered by Mr. Shubham Deshmukh, Sipna Engineering college Amravati on 10<sup>th</sup> Feb. 2015

25. Seminars/ Conferences/Workshops organized & the source of funding a) National  
b) International :- Nil

26. Student profile programme/course wise : - NA

Name of the percentage Course/programme (refer question no.4	Applications received	Selected	Enrolled		Pass
			*M	*F	

\*M= Male F= Female

27. Diversity Students :-

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
<b>UG-B.Sc. I /II/III</b>	<b>100%</b>	<b>Nil</b>	<b>Nil</b>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? :- Nil

29. Student progression :-

Student progression	Against % enrolled
UG to PG	<b>2014-15 :- 54.16%</b>
PG to M.Phil.	<b>Nil</b>
PG to Ph.D.	<b>Nil</b>
Ph.D. to Post-Doctoral	<b>Nil</b>

Student progression		Against % enrolled
Student progression	Against % enrolled	
Employed		
Campus selection	Nil	
Other than campus recruitment	Nil	
Entrepreneurship/Self employment	Nil	

30. Details of Infrastructural facilities :-

- a) Library – **Departmental Core Library : 45 books, In Central Library:- 829**
- b) Internet facilities for Staff & Students - **Yes**
- c) Class rooms with ICT facility - **Yes**
- d) Laboratories – **One : To perform practical & Project work.**

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

32. Details on student enrichment programmes (special lectures / workshops /

seminar) with external experts :- **1. Special guest lecture on ‘Embedded System’ delivered by Dr. D. S. Dhote, Head of Electronics Department, Brijla Biyani Science College Amravati on dated 31/1/ 2015**

33. Teaching methods adopted to improve student learning :- **Uses OHP, Display charts, A/V aids & ICT in addition to Chalk-Blackboard for theory & practicals.**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities :-

- 1. B.Sc. III Students prepare the projects every year based on appliances used in daily life**
- 2. Mr. Charudatta D. Mohod B.Sc. III participated in 5<sup>th</sup> Indian Student Parliament organized by MAEER’S MIT School of Government Pune on 10<sup>th</sup> to 12<sup>th</sup> Jan. 2015**
- 3. Five Students of B.Sc.III Mr. Charudatta D. Mohod, Mr. Movit V. Telmore, Mr. Shubham S. Bute, Mr. Nikhil P. Buwade & Mr. Ashwin P. Ghorsade participated in National Robotics workshop & Championship organized by Department of Computer Science & Electronics Shri Shivaji college of Arts, Comm. and Science, Akola in Collaboration with IIT – Mumbai on dated 24 & 25 Feb. 2015**

35. SWOC analysis of the department and Future plans :-

**Future plans :-**

- **To provide & disseminate the knowledge of applied Electronics.**
- **To use ICT in teaching - learning Process .**
- **To submit proposals for minor research projects.**
- **To organize class seminars / group discussions / poster/ project exhibition for the students.**
- **To present papers in national seminars / conferences.**
- **To provide excellent Internet facility to the students.**
- **To provide training modules to create entrepreneurship ability.**
- **To submit proposals for career oriented courses / National seminar / conference / workshop to U.G.C.**
- **To organize visits / guest lecture of eminent / expert (s) in electronics field .**
- **To inspire students to participate in seminars /Project exhibitions / Quiz competitions etc.**
- **To organize outreach programs / educational/ study tour / Industrial visits.**
- **To conduct student – teacher contact program**
- **To attend national seminars / conferences / workshops**
- **To motivate the students for higher studies and Avenues open for electronics research field.**
- **To purchase advanced Electronic instruments / computers.**
- **To inspire students for extension /extraordinary activities**
- **To organize national seminar/ conference / workshops sanctioned by U.G. C.**

### **SWOC ANALYSIS**

#### **Strengths**

- 1) Experienced & dedicated staff.
- 2) Continues Quality Improvement practical.

#### **Weaknesses**

- 1) Excessive workload.
- 2) Carpet area is in sufficient for

promotes team work.  
professionally

- 1) High success rate & Low drop out rate.
- 2) The linkage between theory and practical.
- 3) Proactive management team.

3) Limits to promote students

merely on basis of Graduation.

### Challenges (Threats)

Education system.

### Opportunities

- 1) Availability of funding research
- 2) Raising awareness within communication the community. create a confidence among Hence upgrading the curriculum is required

1) Strong competition from private

2) Staff turnover.

3) In these days, there is so much advance

in the domain of Electronics & Tele there fore there is a need to students.

for Industries and recent technology is must.

### C. Profile of the Electronics Department

S.N.	Parameter	Responses
1.	Name of Department	Electronics
2.	Year of Establishment	1985
3.	Number of Teacher Sanctioned & Present Position	04/02
4.	Number of Administrative Staff	-
5.	Number of Technical Staff	02
6.	Number of Teacher & Students	2:151
7.	Demand ratio ( No.Of Seat : No. Of Application)	1:2
8.	Ratio Teacher to Students	75:1
9.	Number of Research Scholars who had their master degree from other institute	-
10.	The year when the curriculum was revised last	2012
11.	Number of Student passed SET/NET	-
12.	Success Rate of Students ( What is Pass % as compared to University Average	84.00%
13.	University Distinction/ Ranks	30/43
14.	Publication by faculty	03
15.	Awards and recognition received by faculty	-
16.	Faculty who have attended National & international Seminar	-

17.	Number of National & International Seminar organized by the Faculty	-
18	Number of teacher engaged in consultancy and revenue generated	-
19	Number of ongoing project its total outlay	01
20	Research project completed during last two & its total outlay	-
21.	Number of invention & Patent	-
22.	Number of Ph.D. Guided	-
23.	Number of book in the Department Library	45
24.	Number of Journals / Periodical	11
25.	Number of Computer	2
26.	Departmental Budget	70000/-