

Evaluative Report of Electronics Department (2015 -16)

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	04	02
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
Mr. K. V. Pawar	M.Sc. (A.E.)*	Associate Professor	Electronics	29	–
Mr. R.R. Zoting	M.Sc. (A.E.)*	Associate Professor	Electronics	28	–

* 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-27 : 1,B.Sc. II-24:1,B.Sc.III-24:1**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :-
Assistant-Nil, Attendant-02

Name	Qualification	Designatio n	Experience in yrs
Mr. N. A. Tidke	S.S.C	Lab. Attendant	26
Mr. G. B. Ajankar	H.S.C	Lab. Attendant	25

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 :-
Submitted to UGC, Pune
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/programs :-
31.79%
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 :- **Nil**
24. List of eminent academicians and scientists/ visitors to the department :-
1. Electronics Association was inauguration Dr. D. S. Dhote, Ex-Dean of S.G.B. Amravati University Amravati. & HOD, Dept. of Electronics, Brijlal Biyani Science College Amravati on dated 10th Oct. 2015 .
2. The Speech on use of Electronics in Life Prof. Dr. S. K. Omanwar, HOD, Dept. of Physics S.G.B. Amravati University, Amravati. on dated 14th oct. 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 *M *F	Pass
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*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
UG-B.Sc. I /II/III	100%	Nil	Nil

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		2014-15 :- 54.16%
PG to M.Phil.		Nil
PG to Ph.D.		Nil
Ph.D. to Post-Doctoral		Nil
Student progression	Against % enrolled	
Employed	Nil	
Campus selection		
Other than campus recruitment		
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 :- **Nil**

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 :- Nil

1. B.Sc. III Students prepare the projects every year based on appliances used in daily life

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 promotes team work.
- 3) High success rate & Low drop out rate.
- 4) The linkage between theory and practical.
- 5) Proactive management team.

Weaknesses

- 1) Excessive workload.
- 2) Carpet area is insufficient for practical.
- 3) Limits to promote students professionally merely on basis of Graduation.

Challenges (Threats)

- 1) Strong competition from private Education system.
- 2) Staff turnover.
- 3) In these days, there is so much advance research in the domain of Electronics & Tele communication there fore there is a need to create a confidence among students. Hence upgrading the curriculum is required

Opportunities

- 1) Availability of funding
- 2) Raising awareness within the community.

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/-