

Shri Shivaji College of Arts, Commerce and Science, Akola.
Electronics Departmental Profile

1. Name of the Department :Electronics
2. Year of establishment : UG -1985-86
- 3.COP-Manufacturing of Electronics kits: 2015-16
4. Details of the staff members :

Sr. No.	Name of the members	Educational Qualification	Designation	Experience Teaching/ Research	Specialization
1	Dr.S. G. Shende	M.Sc., Ph.D.	Professor &Head	33 Yrs /MRP	Applied Electronics
2	Dr. Mrs. A. J. Deshmukh	M.Sc., Ph.D. ADCSSAA	Professor	34 Yrs / MRP	Applied Electronics
3	N. S.Mohod	M.Sc., PGDCSA	Assist. Professor	29 Yrs /MRP	Applied Electronics
4	Dr.G. S. Wajire	M.Sc., Ph.D., B.Ed., ADSAP	Professor	25Yrs /MRP	Applied Electronics

5. Details of administrative/ technical staff:
02 Lab. Attendants

Sr.No.	Name	Post
1	S.M.Dhande	Lab. Attendant
2	S.G.Pawar	Lab. Attendant

6. Student profile to programs :

Course	Total	Demand ratio
B.Sc.Elect	202	1:1
COP - Elect	22	

7. Success rate of each programme, its comparison with University results, Merit list Year/ B

Year/ B Sc III(Electronics)	Departmental Results
2018-19	90.24%
2019-20	100%

MERITORIOUS STUDENTS :-

Sr.No	Name of student	University Merit Rank	Year
1	Ku. M. K. Doshi	3 rd Merit	S-2003
2	Mr. Gaurav L. Deshmukh	4 th Merit	S-2006
3	Mr. Shivaji S. Sul	6 th Merit	S-2008
4	Mr.R. M. Ugale	5 th Merit	S-2010
5	Ku. K.S. Pande	8 th Merit	S-2010
6	Ku. Mayuree G.Mote	8 th Merit	S-2011

8. Number of NET/ SET :- 02

9. Number of faculty members on University Bodies/ and other academic bodies.Their role in curriculum designing.

1) DR. S G Shende

Member of BOS in Electronics .

Ex- chairman of Board of studies in Electronics & comp. maint

Ex- Member of Faculty of Science.

Ex- Member of curriculum design committee.

#Member of moderation committee.

2) Dr.A.J.Deshmukh

#Member of BOS in Electronics J.B. Science college, Wardha.

#Worked as Paper setting& Evaluation committee of SGBAU.

3) Dr.G.S.Wajire

#Member of Academic Audit committee of RTM Nagpur University Nagpur.

#Worked as Paper setting& Evaluation committee of SGBAU Amravati.

4) N.S.Mohod

#Worked as Paper setting& Evaluation committee of SGBAU.

10. Learning resources of Department (Laboratories, Computers/ Internet/ Dept.library etc.)

Twowell equipped labs are available for Electronics.

Internet facility is available with the dept.

Departmental core library is having around 20 books .

Generator back up

11. Enhancement of the resources during last five years.

Two Digital Storage Oscilloscopes

Three Dual Trace and five single Trace CRO

Computers and printers

Ten 8085 and Six 8086 microprocessor kits

Two 8051 micro-controller kits

Frequency counters and signal generators

Microprocessor based L-C-R-Q and Digital Multi meter

12. Modern teaching methods

Max Practical approach

Question answer session for feedback is arranged in the class

Apart from board & chalk method, PPT, Academic CDs, charts, ICT are used.

13. Faculty members participated in National and International Conferences/ workshops, seminars etc. and Papers published in Journals

Sr. No.	Name of Faculty	Papers in International Journals	International Conferences/ workshops, seminars/ Webinars	National Conferences /workshops, seminars/ Webinars
1	Dr. S G Shende	13	03	12
2	Dr. Mrs A J Deshmukh	14	03	10
3	Dr. G S Wajire	11	08	10
4	N S Mohod	04	04	04

14. Evaluation process.

Regular Unit Tests, Group discussion, Seminars, etc.

Question answer session is conducted for feedback during lectures

15. Research activities:

MRP (Minor Research Projects) **Completed**—01(Amount 90,000/-)
(Mrs. A. J. Deshmukh and Mr. G. S. Wajire)

MRP (Minor Research Projects) **Completed**--01(Amount 85,000/-)
(Mr. S. G. Shende and Mr. S. M. Palhade)

MRP (Minor Research Projects) **Completed**---01(Amount 50,000/-)
(Mr. N. S. Mohod)

MRP (Minor Research Projects) **Completed**-01(Amount 1,05,000/-)
(Dr. G. S. Wajire)

16. Participation of the department in extension activities:

Cultural activities

NSS

Career Guidance

Department is involved in extension activities like NSS speech, AIDS awareness & Blood donation
Staff members of the department guided and judged the students of several schools for their Electronics projects and exhibitions. Staff members of the department worked as Presiding officer in ZP & Loksabha elections. The department is extending necessary guidance for placement of students through contacting entrepreneurs and also arranging campus interviews by different industries.

17. Achievements of the students during last five years:

In campus Interviews, many students were short listed and selected in various company.

Departmental students prepared low cost practical & project kits for the laboratory purpose.

18. Achievements of the staff members during last five years:

1) Dr. S. G. Shende;

Member of BOS (Electronics & Comp.maint)

Worked as Chairman /Member of LEC for Affiliation of colleges.

#Organized National seminar and two Workshop as coordinator

2) Dr. Mrs. A. J. Deshmukh;

#Judge for college level "Avishkar-2015" for science category

Member of BOS in Electronics at J.B.Science college, Wardha.

Colour Coat holder of SGB Amravati University in Research Convention "AVISHKAR-2015
"and Represented SGB Amravati University at STATE LEVEL, from TEACHER CATAGORY

Awarded as a BEST TEACHER of Shri Shivaji College, Akola on 26TH January, 2016

Worked as Chairman /Member of LEC for Affiliation of colleges .

3) Mr. N. S. Mohod;

#Resource person at 30th ,34th Orientation Course at SGB Amravati University

#Resource person at JawaharNavodayaVidyalaya, Akola

Worked as Member of LEC for Affiliation of colleges

#Coordinator Quiz committee for University Level "Youth Festival" 2018-19 at our college

#Coordinator Cultural Committee for 2014-15.

#Certified soft skill trainer of SGBAU.

4) Dr. G. S. Wajire;

- # Worked as Member of LEC for Affiliation of colleges
- # Member of Academic Audit Committee of RTM Nagpur University Nagpur
- #Coordinator of COP in Manufacturing of Electronics Kits
- # Coordinator of Remedial Coaching Scheme
- # Coordinator of NET/SET Coaching Scheme
- # Worked as Coordinator of Science Exhibition
- # Coordinator of Prize Distribution Committee

19. Plan of action during next five years:

We are willing to introduce new courses like Carrier Oriented and Vocational Courses in the field of Applied Electronics, to fetch significant job avenues for the students through the placements. To organize Seminars at University level and for regional level thereafter. To arrange the Guest Lectures of the people from Industry to bridge the gap between curriculum and Industrial culture.

20. Important alumni of the department:

- # A.N.Nerkar-----DMO, Maharashtra Marketing Federation Nagpur
- # R.D. Tarale----- DMO Maharashtra Marketing Federation Nagpur
- # R.D.Talokar-----S.D.A.,B S N L Telecom, Akola
- # Dr. G. S. Wajire ---- Professor, Shri Shivaji College, Akola
- # G.D.Chaudhari-----Metzer Biomedical,Ambad, Nasik
- #Kirti G. Agrawal-----Programmer for Cognizent Tech. Solutions, Pune.Recently been to Switzerland
- # Mr. NitinGhogare-----Programmer for Cognizent Tech. Solutions, Pune 2005-06
- # Mr. Shivaji S.Sul-----Programmer for Cognizent Tech. Solutions, Pune 2007-08
- # Ku.Snehal Joshi----- PSR, Apex Lab, Chennai. 2006-06
- # Mr L. V.Sapkal----- PSR, Apex Lab, Chennai. 2006-07
- # Miss M. M. Gudade---- Asst. Prof., Shri Shivaji College, Akola
- # Mr. NiteenRathod---- Working as PSR for Apex Lab Ltd., Chennai. 2008-09
- # Mr. SurajNirale----- PSR, Apex Lab, Chennai. 2006-07
- # R.D.Chaudhari -----Asst. Prof.,RLTcollege, Akola
- # Ku.SheetalShegokar----Asst.Prof., Mauli college of Engg., Shegaon
- # Ku.ReetaDangare ----- Asst.Prof.,Sinhagad Institute of management,Pune.
- # Mohd.Arif ----- CISFunit, Alibagh ,Raigad.
- # SatishNimkhande-----Masteksoftwares Co. ,Mumbai.
- # Rahul Ambalkar----- Asst. Prof.,Sanmati college of Engg., Washim.
- #NileshChimankar---- Asst. Prof., FulsingNaik College, Pusad.
- # MandarAwale ----- Asst. Manager, Berger Paints Pune

21. Any other highlights:

- 1)The staff member published and presented 25 papers in International journals & 25 International & National Conferences.
- 2) Actively participated in Campus interviews arranged for placement of students of reputed firms.

22. Department organized the conferences/ workshops and seminars etc.

#National Seminar organized on 28/3/2010 on recent trends in Physical Sciences and Electronics research funded by UGC.

#National Seminar:



Seminar Competition:



Science Exhibition:



INDUSTRIAL VISITS :-

- 1) An Educational Tour of BSc II and BSc III year Electronics students was conducted to Daily LOKMAT, MIDC, Kumbhari, Akola on 27th Feb 2019. Total 96 students [BSc II (57) and BSc III (39) year] accompanied by the two Teachers; NiteenMohod and Mrs. Anjali Deshmukh and one assistant Mr. Sanjay Pawar visited the Lokmat.



- 2) Industrial visit of B. Sc.- II, Sem.- IV (Electronics) students was arranged to visit “Optical Fiber Communication, Main Unit, BSNL, Akola- 444001”, on 03/03/2017. Our Faculty Member Mr. Gajanan S. Wajire organized and conducted this Industrial visit. Students were demonstrated practically with the help of advanced OFC tools, instruments and systems. Total 52 students were benefited by the visit.

