

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 | 34 Yrs /MRP | Applied Electronics |
| 2 | Dr. Mrs. A. J. Deshmukh | M.Sc., Ph.D. ADCSSAA | Professor | 35 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 | 25 Yrs /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 | 230 | 1 : 1 |
| COP - Elect | 22 | 1 : 1 |

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

| Year/ B Sc III Electronics) | Departmental Results |
|-----------------------------|----------------------|
| 2018-19 | 90.24% |
| 2019-20 | 100% |
| 2020-21 | 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:

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

Dr. A. J. Deshmukh

- # Member of BOS in Electronics J.B. Science College, Wardha
- # Worked as Paper setting & Evaluation committee of SGBAU
- # Member of moderation committee

Dr. G. S. Wajire

- # Member of Academic Audit committee of RTM Nagpur University Nagpur
- # Worked as Paper setting & Evaluation committee of SGBAU Amravati

N. S. Mohod

- # Paper setting & Evaluation of SGBAU

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

- # Two well 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-Traces 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 is 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 National/ 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 | 08 | 24 |
| 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:

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.

Cultural activities

N S Mohod- Actively conducting **Open Quiz** for the entire students / Teaching & Non Teaching staff during Dr. Panjabrao Deshmukh Jayanti Utsav since 2015 till date.

NSS

Career Guidance

17. Achievements of the students during last five years:

In campus Interviews, Many students were short listed and selected in various company. Mr. Niteen Mohod of the Dept is working as a Coordinator for the Training & Placement Cell.

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, and 34th Orientation Course at SGB Amravati University
- # Resource person at Jawahar Navodaya Vidyalaya, 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. Guest Lectures of the people from Industry to bridge the gap between curriculum and Industrial culture will be arrange.

20. Important alumni of the department:

- # A. N. Nerkar ----- MD(Food &Grain), Maharashtra Marketing Federation Mumbai
- # 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----- Metzger Biomedical, Ambad, Nasik
- # Kirti G. Agrawal-----Programmer for Cognizent Tech. Solutions, Pune. Recently been to Switzerland
- # Mr. Nitin Ghogare-----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. Niteen Rathod ----- Working as PSR for Apex Lab Ltd., Chennai. 2008-09
- # Mr. Suraj Nirale ----- PSR, Apex Lab, Chennai. 2006-07
- # R. D. Chaudhari -----Asst. Prof., RLT college, Akola
- # Ku. Sheetal Shegokar----Asst.Prof., Mauli college of Engg., Shegaon
- # Ku. Reeta Dangare ----- Asst. Prof., Sinhagad Institute of management,Pune.
- # Mohd. Arif -----CISF unit, Alibagh , Raigad.

- # Satish Nimkhande-----Mastek softwares Co. , Mumbai.
- # Rahul Ambalkar----- Asst. Prof., Sanmati college of Engg., Washim.
- # Nilesh Chimankar----- Asst. Prof., Fulsing Naik College, Pusad.
- # Mandar Awale ----- Asst. Manager, Berger Paints Pune
- # Siddhesh Kulkarni- Trainee Engg, Go Digit General Insurance Ltd.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 Conference:



The program started with welcome Speech by Hon. Dr. R.M. Bhise Principal and Chief Organizer of National conference. He also appreciated the efforts taken by the faculties of the departments and said that it is a matter of proud to host such a conference.

Valedictory Function:



[Dr. S. G. Shende, head department of Electronics]

The Valedictory function concluded with Vote of thanks done by Joint Secretary of national conference Dr. S. G. Shende, head department of Electronics. Valedictory Function was conducted by Prof.N.S.Mohod of Electronics department.

National Seminar:

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



Best Teacher Award



Seminar Competition:



Science Exhibition:



INDUSTRIAL VISITS :-

- 1) An Educational Tour of BSc II and BSc III year Electronics students was organized 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; Niteen Mohod 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.





Departmental Placements:

| Year | Name of student placed and contact details | Program graduated from | Name of the employer with contact details | Pay package at appointment |
|---------|--|------------------------|---|----------------------------|
| 2016-17 | 1.Satyajit Awale | BSc | TCS Ltd Ngpur | 1.44 LPA |
| 2016-17 | 2. Ravichandra Ingole | BSc | TCS Ltd Ngpur | 1.44 LPA |
| 2017-18 | 1. Vaibhav Rathod | BSc | Corning Inc. Pune | 2.6 LPA |
| 2017-18 | 2. Suhas Sakhare | BSc | Corning Inc. Pune | 2.6 LPA |
| 2017-18 | 3. Avinash Wasatkar | BSc | Corning Inc. Pune | 2.6 LPA |
| 2018-19 | 1.Mandar Awale | BSc | Corning Inc | 2.6 LPA |
| 2018-19 | 2. A D Dharme | BSc | TCS Ltd Ngpur | 1.44 LPA |
| 2018-19 | 3. Ms. Arti Shelke | BSc | Cognizant Tech Solutions Ltd | 2.12 LPA |
| 2019-20 | 1. Chetan Gajbhiye | BSc | HDFC Bank, Akola | 1.44 LPA |
| 2019-20 | 2. Vivek Pradhan | BSc | Eureka Forbs Limited | 1.44 LPA |
| 2019-20 | 3. Mandar Awale | BSc | Berger Paints Pune | 1.44 LPA |
| 2019-20 | 4. Faizan Khan | BSc | Self Employed Businessman | N. A. |
| 2021-22 | 1. Siddhesh Kulkarni | BSc | Go Digit General Insurance Ltd. | 4.5 LPA |

