

Shri R.L.T.College of Science, Akola

DEPARTMENT OF ELECTRONICS

REPORT 2019-20

Established year 1987

GOALS:-

It is one of the most challenging subjects related to technology providing the tremendous scope in various fields. The department has always been interested not only in updating the curriculum, but also in enhancing the laboratory facilities to cope up with the new development in the technologies. The department offers hands on training to the students to meet the requirement of the industry. Guiding the students to excel in each of the fields and to make them well equipped to face challenges posed by the industry with confidence and dedication.

OBJECTIVES:-

- 1) To prepare the students for successful and productive career choices in both public and private sectors in the field of electronics.
- 2) To prepare the students for their career in Govt. sectors also.
- 3) To provide students with a solid foundation in the field of electronics this serves them lifelong in their professional domain as well as higher education.
- 4) To provide students with an academic environment that ignites in one the spirit of excellence, develop the urge of discovery, creativity, inventiveness, leadership and overall ambience that fosters brilliance.

DEPARTMENTAL STAFF:-

Sr.No.	Name of teaching /non teaching staff	Designation	Qualification	Teaching Exp.	Research paper
1	Shri R.G.Chavan	Asso.Prof.& Head	M.Sc.	31 years	4
2	Mr.R.D.Chaudhari	Assist. Prof.	M.Sc.,M.Phil.	12 years	12
3	Mr.G.B.Giri	Lab.Assist			

Result for Year 2019-20 :-

The examination result of S.G.B.Amravati University, Amravati in the year 2019-20

Sr.No.	Class	Number of students	Result
1	B.Sc –I	61	100%
2	B.Sc.-II	57	100%
3	B.Sc.-III	52	100%

PARTICIPATION OF TEACHERS IN CONFERENCES:-

- 1.Dattaraj Vidyasagar and R. D. Chaudhary , “ Arduino UNO based Teaching Pendant 4 DOF Robotic Arm in less Jitter Environment of Servos”Special Issue No.66 Published by: Aayushi International Interdisciplinary Research Journal (AIIRJ)
Peer Review and Indexed Journal Impact Factor 6.293. National Conference on RECENT ADVANCES IN PHYSICAL AND MATHEMATICAL SCIENCES (NCRAPMS-2020) 18th January 2020 Organised by Shri shivaji College of Art's, Commerce and Science, Akola
2. R.D.Chaudhari and Yash vidyasagar “ Trickya situation in Maximum power transfer theorem in case of an amplifier” : Aayushi International Interdisciplinary Research Journal (AIIRJ)
Peer Review and Indexed Journal Impact Factor 6.293 (ISSN 2349-638X). National conference on multidisciplinary research in science and technology organised by Shri.R.L.T. college of Science, Akola .
3. Shri R.G.Chavan worked as treasurer of national conference on “Multidisciplinary Research in Science and Technology for Healthy Lifestyle Management” organized by college on 24th of January 2020.
4. Shri R.G.Chavan appointed as member of subject examination committee for winter 2019 and summer 2020 examination by S.G.B.Amravati University, Amravati.. He also appointed as subject expert for selection of Assistant Professor in P.N. College Pusad, Distt: Yavatmal by S.G.B.Amravati University Amravati. .

Online Refresher courses by teachers: -

Mr.R.D.Chaudhari has successfully completed online refresher course on *swayam arpit* on “skill for new educational architecture “and the examination is held on 16/02/2020 . The course started from 1 September 2019 to 31 December 2019. (40 hours).

Students Achievements (Curricular, Co curricula and Extracurricular):-

Miss.Janaki D.Deshmukh stood 10th in merit list of S.G.B.Amravati University, Amravati in Summer -2020 examination.

PLACEMENT OF STUDENTS: - 01

- 1) **Mr.Gopikisan Kabra** of B.Sc. Pass out students in the year 2019-20 has got job in android base company at Akola

BEST Practices of our Department:-

Every year our B.Sc final students have one innovative project for their construction and design and assembly.. In year 2019-20 our final year students designed the DC power supplies $\pm 12v$, $\pm 5v$, $+12v-0v$ $-12v$, & variable power supplies.

The B.Sc- II and B.-Sc III students delivered seminar by using LCD Projector with PowerPoint presentation.

Alumni visit to our Department:-

Our Eminent Alumna As a chief guest on National Conference arranged on 24th January 2020 at our college:-

Our college organized National Conference on 24th January 2020. We invited our Alumna **Dr. Satish Sharma**, Professor and Head, Department of Electronics and Computer Science, R.T.M. Nagpur university, Nagpur.

He Was a Guest of Honour on the occasion of National Conference on 24 Jan 2020 Sir had completed his graduation from our college in 1985.

Sir also visited various departments and opened his old memories in the college.



Certificate Course on Department level :-

We have started two certificate course for our department students from 2019-20 as

- 1) Introduction to Analog and Digital devices.**
- 2) Design of power supplies and their trouble shooting.**

STRENGTH:-

- 1) Good laboratory infrastructure with state of art hardware and software tools.
- 2) Excellent research facility available with advance instruments. (CRO.DSO,LCD projector)
- 3) Versatile and experienced faculty and technical persons.

WEAKNESSES:-

- 1)Students teacher ratio.
- 2) Research funding and support.
- 3) Soft skill and communication skill of students need to be improved.

Opportunities:-

- 1) More MOUS with industry and Education Sectors.
- 2) Platform for interdisciplinary research.
- 3) Joint curriculum with other departments.

Challenges:-

- 1) To frame and design an effective curriculum, teaching learning methodologies that bridges the gap between industry and institution.
- 2) To convert the laboratory into a smart automated lab.
- 3) To establish a smart microcontroller programming lab.

Prof.R.G.Chavan

Associate Professor and Head

Electronics.