

Departmental Annual Report

2017-18

Department of Electronics



Shri Shivaji Education Society, Amravati's
SCIENCE COLLEGE
Congress Nagar, Nagpur-12 (M.S.), India



The Department of Electronics was established on 7th July 1984. Our college was selected by UGC and a special grant of Rs. 5 Lacs was sanctioned to the Department of Electronics under the scheme of Restructuring of Courses in 1984. The grant was utilized for up gradation of laboratory and infrastructural developments.

A group of combination i.e. Physics Electronics and Mathematics (PEM) has been introduced for B. Sc. I from the session 1984-1985.

The Department has received the permanent affiliation from Nagpur University since 1994.

The Department has started vocational subject such as Computer Maintenance as a part of existing B. Sc. Course in the college with Main Stream subjects like Physics and Mathematics from the academic session 2002-2003. UGC has sanctioned a grant of Rs. 17 Lacs for this course. The grant was utilized for up gradation of laboratory and infrastructural developments.

A new group of combination consisting of Electronics, Computer Science and Mathematics (ECSM) has been introduced for B. Sc. I from the session 2007-2008 and is continued to B. Sc. II and B. Sc. III in the subsequent years.

The Department has received Rs. 5 Lacs from UGC grant for College with Potential for Excellence under the scheme of promotion of Basic Science Research (BSR) during the academic session 2008-2009. The grant was utilized for up gradation of laboratory and infrastructural developments.

Students' Achievement

- A group of students won third prize in Intercollegiate Electronics Quiz Competition 'Electro-Quiz 2018' on 24th February 2018 organized by J B Science College, Wardha.

The activities reflecting the goals and objectives of the Department are:

- To impart quality education to the students.
- Linking education to emerging career pattern.
- To achieve global standard of excellence, training and research.
- Developing skills in hardware engineering and electronics ensuring optimum utilization of facility.
- Making education more students centric.

The Department has maintained an excellent result for B. Sc. Final examination of RTM Nagpur University. The result of B. Sc. Final (Electronics) year students is above 82 % since last 18 years and the result of B. Sc. Final (Computer maintenance) year students is 100 % in all the examinations.

The Department this year also constituted a subject society known as "Electronics Society" of students. The aims and objectives of Electronics Society are:

To develop and nourish the basic qualities hidden in an individual like leadership, decision making, stage daring, independent thinking etc.

To bridge the gap between teachers and students as well as junior and senior students.

The society has organized various activities such as inauguration of the society, Teachers' Seminar, Students' Seminar and farewell Function for B. Sc. Final Year Students. This year the Electronics and Computer Maintenance Society for the session 2017-2018 was inaugurated on September 28, 2017 at the hands of Dr. J M Khobragade, Director, Forensic Science, RTM Nagpur University. Hon'ble Principal Dr. D K Burghate presided over the function.

Activities:

As a part of Birth Anniversary Celebrations of our founder President Dr. Panjabrao alias Bhausaheb Deshmukh this year in the first week of January 2018, students of this Department participated in various activities viz. Blood Donation, Sports and Science & Arts Exhibition.

Staffs' Achievement

Prof. S M Ghatole

- Coordinator of NSS Cell
- Member of IQAC

The faculty has published research papers in reputed Journals. All the Faculty Members of the Department participated in various National Conferences / Seminars / Workshops during the session 2016-2017.



1. National conferences / Seminars / Workshops Attended:

1	International Conference on Recent Trends in Science and Technology(ICRTS-2017)	SSES Amravati's Science College, Nagpur	July 12-14, 2017 at Nagpur
2	APQN Annual Conference (International)	SSES Amravati's Science College, Nagpur	March 22-25, 2018 at Nagpur
3	National Conference on Application of Forensic Science, Cyber Security and Forensic Accounting for prevention and Investigation of Crime	Forensic Science University, Gujrat and Kamla Nehru Mahavidyalaya, Nagpur	March 28, 2018 at Nagpur

2. Paper Presented/published in Conferences/Seminar:-

S/N	Title of Research Paper	Name of Organiser	Journal Title	Volume Year/ Page No
1.	Use of Innovative Zigbee Technology in Wireless Home care monitoring	Vishva Shanti Multipurpose Society R. No. MH-659/13(N)	IJBAT	Vol. V, Special Issue (2), July 2017; ISSN 2347-517X, 101-104
2	A Non-Invasive Blood Pressure Measurement Using Embedded Technology	Science College Sakharkheda, Buldhana(NCRDAMDS -2018)	International Journal of Scientific Research in Science and Technology	(IJSRST 4132)/January February 2018 [(4)1:137-141] Vol. 4, Issue 1

1. Delivered a Guest Lecture on Process of Autonomy to Colleges by UGC at Gaikwad Engineering College, Nagpur on May 23, 2017
2. Witnessing an event Effective Ideas to Impact Food Waste Reduction "Don't you waste Food Campaign" April 7, 2018

Dr. M J Hedau

- Coordinator of On-Line Admission Committee
- Member of IQAC

1. Visits:

1	In view of Autonomy	J B Science College, Wardha	July 21, 2017
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2. Conferences/Seminar/Workshop attended:-

1	International Conference on Recent Trends in Science and Technology(ICRTS-2017)	SSES Amravati's Science College, Nagpur (In charge Poster Competition)	July 12-14, 2017 at Nagpur
2	APQN Annual Conference (International)	SSES Amravati's Science College, Nagpur	March 22-25, 2018 at Nagpur
3	National Conference on Application of Forensic Science, Cyber Security and Forensic Accounting for prevention and Investigation of Crime	Forensic Science University, Gujrat and Kamla Nehru Mahavidyalaya, Nagpur	March 28, 2018 at Nagpur

3. Paper Presented/published in Conferences/Seminar/Journals:-

S.N.	Title of Research Paper	Name of Organiser	Journal Title	Volume Year/ Page No
1.	A Study of Ionic States of Water in relation to Human Activity performed in and around the river Waghade Dist. Yavatmal Maharashtra, India	OISCA Southern Chapter International OISCA Global Youth Forum		February 9-12, 2018 at Kerla
2	A Non-Invasive Blood Pressure Measurement Using Embedded Technology	Science College Sakharkheda, Buldhana (NCRDAMDS-2018)	International Journal of Scientific Research in Science and Technology	(IJSRST 4132)/January February 2018 [(4)1:137-141] Vol. 4, Issue 1
3.	To Analyze the Fuzzy logic for Schottkey FET		IOSR	

Dr. D W Deshkar

Conferences/Seminar/Workshop attended:-

SN.	Name of Activity		Date
1.	APQN Annual Conference (International)	Convener	March 22-25, 2018 at Nagpur
2.	One day workshop on Autonomy and new Accreditation Methods	Participant	March 5, 2018 at J B Science College, Wardha
3.	UGC sponsored National Seminar at Mata Gujri Mahila Mahavidyalaya, Jabalpur	Key note Speaker as well as Plenary Talk	January 29-30, 2018 at Jabalpur

Our Graduates will.....

- . Realize their goals and aspirations
 - . Possess essential attitudes, knowledge and skills
 - . Contribute positively to and compete in society
 - . Exercise citizenship rights and responsibilities
 - . Master subjects without need for remediation
-further their education and pursue careers around the world.
