

Departmental Annual Report

2018-19

Department of Electronics



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



Department of Electronics and Computer Maintenance

Dr. D. W. Deshkar
Head

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 on 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 since 1994. The Department has started vocational subject such as Computer Maintenance as a part of 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 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 development.

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 19 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.

Departmental Activities :

As a part of Traditional Day Celebrations on February 2, 2019 students showcased their talents.

1. Seminar/Workshop/Guest Lecture Organized :-

- | | | |
|---|-------------------------------------------------------|----------------|
| 1 | Workshop on Microcontroller by Dr Abhay Deshpande | March 6, 2019 |
| 2 | Guest Lecture on Cloud Computing by Dr. Mahesh Yenkar | March 28, 2019 |

An Industrial tour was organized for students wherein a visit was planned for HCL, Nagpur on February 17,2019.

Staffs' Achievement

Prof. S. M. Ghatole

* Member of IQAC

* Member of Discipline Committee

* Member of Prospectus Committee

* Member of Academic Planning Committee

The faculty has published reseach papers in reputed Journals. All the Faculty Members of the Department participated in various National Conferences/Seminars/ Workshops during the session 2018-2019.

1. National conferences/Seminars/ Workshops Attended :

1.	RUSA sponsored International Conference n Chemistry, Environment and Energy (ICCEE-2019)	Rayat Sikshan Sanstha's Yashavantrao Chavan Institute of Science, Satara (Autonomous)	February 16-18,2019
2	UGC-sponsored National Conference on Emerging Trends in Science (NCETS-2019)	Vidya Bharati Mahavidyalaya, Amravati	February 1-2,2019
3	Rusa Sponsored Workshop on New NAAC methodology	Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	December 4-6, 2018

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

S.N.	Title of Research Paper	Name of Organiser	Journal Title	Volume Year/Page No
1	Advancements in Smart Biomedical Wearable with Technical Challenges		International Journal of Electrical and	ISBN : 2348-8379 Vol. 5 Issue 9,pp.16-20 Impact Factor 2.01
2	Design and Implementation of Fuzzy Logic Technique For Aircraft control Sytem	UGC sponsored National Conference of Emerging Trends in Science (NCETS-2019) Vidya Bharati Mahavidyalaya, Amravati		February 1-2, 2019
3	Ubiquitous Healthcare System and Wireless Biosensors	RUSA sponsored International Conference on Chemistry, Environment and Energy		February 16-18,2019

		(ICCEE-2019 Rayat Shikshan Sanstha's Yashavantrao Chavan Institute of Science, Satara (Autonomous))		
4	Wireless Body Area Network Enabled Blue tooth and ZigBee Technology		International Journal of Review and Research (IJRAR)	IJRAR December 2018, Volume 5, Issue 04 www.ijrar.org.(E-ISSN 2348-1269, P-ISSN 2349-5138),pp1275-1279
5	A Noel Approach to Bluetooth and Zig Bee with WBAN	Organized by Kamla Nehru Mahavidyalaya	International Conference on Multifunctional Advanced Material (ICM-AM-2018)	International Journal India Technical research-organization (IJITRO) Volume 6, Issue 1, 2019 ISSN (PRINT) : 2393-8374, pp-1267-1272

SM Ghatole Submitted Theses for the award of Ph.D. to the RTM Nagpur University.

Dr. M. J. Hedau

- * Member of IQAC
- * Member of Prospectus Committee
- * Member of Academic Planning Committee

2) Paper published in Conferences/Journals :-

S. No.	Title of Research Paper	Name of Organiser	Journal Title	Volume Year/Page No.
1	An economical non-Invasive epidermis thickness measurement by application of OCT		IJECCE	Volume 9 Issue 2 ISSIN 2249-071X 2018
2	Design and Implementation of Fuzzy logic technique for aircraft control system.	UGC Sponsored National Conference on Emerging Trend In Sciences by Vidya Bharti Mahavidyasaalaya		Date : February 1-2, 2019

Mr. Sagar S. Shende

1. Paper published in Conferences/Journals :-

S. No.	Title of Research Paper	Name of Organiser	Journal Title	Volume Year/Page No.
1	An economical non-Invasive epidermis thickness measurement by application of OCT		IJECCE	Volume 9 Issue 2 ISSIN 2249-07IX 2018
2	Design and Implementation of Fuzzy logic technique for aircraft control system	UGC sponsored National Conference on Emerging Trend in Sciences by Vidya Bharti Mahavidyalaya		Date : February 1-2, 2019
3	Design and Implementation of Heart Beats and Pulse Oximeter monitoring system on general Intensive Care unit (ICU)	International Journal of emerging technology and Innovative research (JETIR)		May 5,2018 ISSN 2349-5162 Vol. 5 Issue 5

Mr Sagar S Shende Submitted Summary for the award of Ph.D. to the RTM Nagpur Univeristy under the guidance of Dr. M. J. Hedau.

Dr. D. W. Deshkar

Programmes Oganized : -

S. No.	Name of Activity		Date
1	Student-Faculty Exchange Programme	Convener	Febrauary 3-6, 2019

Our Gradutes 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 pursure cares around the world.
