

Annual Report 2023–2024

Department of Electronics

Kamla Nehru Mahavidyalaya, Sakardara Square, Nagpur

The Department of Electronics at Kamla Nehru Mahavidyalaya, Sakardara Square, Nagpur, continued its commitment to academic excellence, skill development, and holistic education during the academic session 2023–2024. The department offers undergraduate and postgraduate programs under the National Education Policy (NEP), namely **B.Sc. (Electronics)** and **M.Sc. (Electronics)**, with a curriculum designed to blend theoretical foundations with practical experience.

During the session, the department successfully guided **10 undergraduate projects** and **3 postgraduate projects**, reflecting active student participation in academic research and innovation. To enhance technical competency and employability, the department conducted a **value-added course on Computer Hardware and Maintenance**, which benefited **77 students**. Additionally, a **Certificate Course on Electronics Equipment**, granted by the **Department of Lifelong Learning and Extension, RTM Nagpur University**, was completed with **43 students** as beneficiaries.

In line with its academic support initiatives, a **Bridge Course in Electronics** was organized at the beginning of the session to help students from diverse academic backgrounds transition smoothly into the core curriculum. A total of **30 students** benefited from this foundational program.

The department remained actively involved in societal outreach through its **extension activity** titled *Cancer Awareness Rally*, which drew participation from **700 individuals**, spreading awareness about cancer prevention and early detection. Such initiatives reflect the department's commitment to social responsibility and community engagement.

Industrial exposure was facilitated through an **Industrial Visit** to the **Maharashtra State Electricity Distribution Corporation Limited (MSEDCL), Sadar, Nagpur**, where **41 students** gained firsthand insight into practical aspects of electrical and electronics systems in a real-world industrial setup.



Figure 1: Industrial Visit To Maharashtra State Electricity Distribution Corporation Limited (MSEDCL), Sadar, Nagpur on Date: 25 Oct 2023

To provide advanced knowledge and insights from the field, the department hosted two **expert lectures** during the year. The first was on the topic “**Mobile Communication**” delivered by **Dr. S. R. Sharma**, attended by **50 students**, and the second was on “**Introduction to Nanotechnology**” by **Dr. A. S. Lanje**, which benefited **60 students**. These lectures offered exposure to emerging technologies and inspired students to explore cutting-edge areas in electronics.



Figure 2: Guest Lecture by Prof. Shridhar Sharma of J. M. Patel College, Bhandara on 08/01/2024



Figure 3: Guest Lectures on “Introduction to Nanotechnology” by Dr. A. S. Lanje, Dr. Ambedkar College Chandrapur on 22 December 2023.

In summary, the academic year 2023–2024 was marked by vibrant academic engagement, practical training, research activity, and socially relevant outreach by the Department of Electronics. The department continues to uphold its mission of nurturing technically proficient, industry-ready, and socially aware graduates prepared to contribute meaningfully to society and the field of electronics.