



Kongunadu Arts and Science College (Autonomous)

Re-accredited by NAAC with A⁺ Grade – 4th Cycle, College of Excellence-UGC

52nd Rank among Colleges in NIRF 2024

Coimbatore – 641 029, Tamil Nadu, India

Department of Computer Applications and Department of Information Technology

REPORT ON WORKSHOP – IoT TOOLS-WOKWI

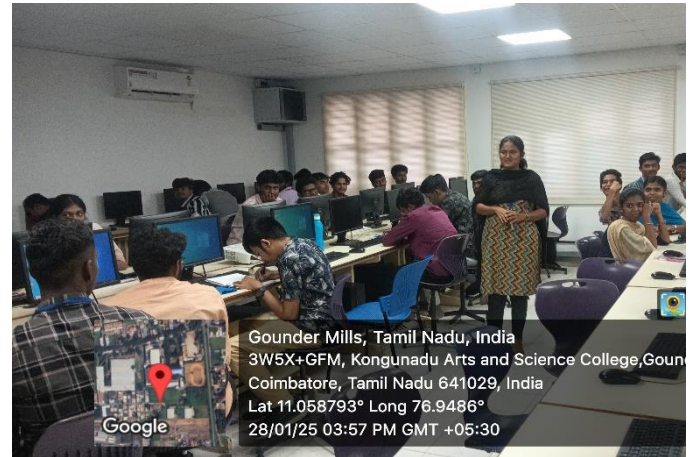
The workshop on "IoT Tools - Wokwi," jointly organized by the Department of Computer Applications and the Department of Information Technology at Kongunadu Arts and Science College, Coimbatore, was led by Dr. Senthil Kumar, Assistant Professor, Department of Computer Science with Cognitive Systems at Dr. N.G.P. Arts and Science College, Coimbatore. Attended by 60 students, the session focused on providing hands-on experience in IoT system design and simulation using the Wokwi platform. The program took place on **28th January 2025** from **10:00 AM to 4:00 PM** at **Lab 2**.

Gallery



(Dr. Senthil Kumar conducted a workshop on IoT Tools - Wokwi for 60 students at Kongunadu Arts and Science College, covering projects like LED Light, Time Delay, and Thermal Indication.)

The Internet of Things (IoT) connects everyday devices to the internet, enabling them to collect, share, and process data. IoT is increasingly being used in smart homes, healthcare, agriculture, and industrial automation to enhance efficiency, connectivity, and data-driven decision-making. Wokwi is a powerful, browser-based simulator widely used in recent IoT education and development, enabling users to design and prototype IoT systems without the need for physical hardware. It supports various microcontrollers and sensors, allowing real-time simulation for projects like home automation, temperature monitoring, and more



(A Q&A session was held where students asked queries related to IoT system design and simulation, which were answered by the guest speaker.)

Students worked on projects like LED light control, time delay mechanisms, and thermal/heat indication systems, simulating temperature monitoring applications. The workshop covered troubleshooting techniques, practical insights into IoT development, and concluded with an engaging Q&A session, which addressed students' queries, ensuring a well-rounded understanding of IoT concepts and their real-world applications.