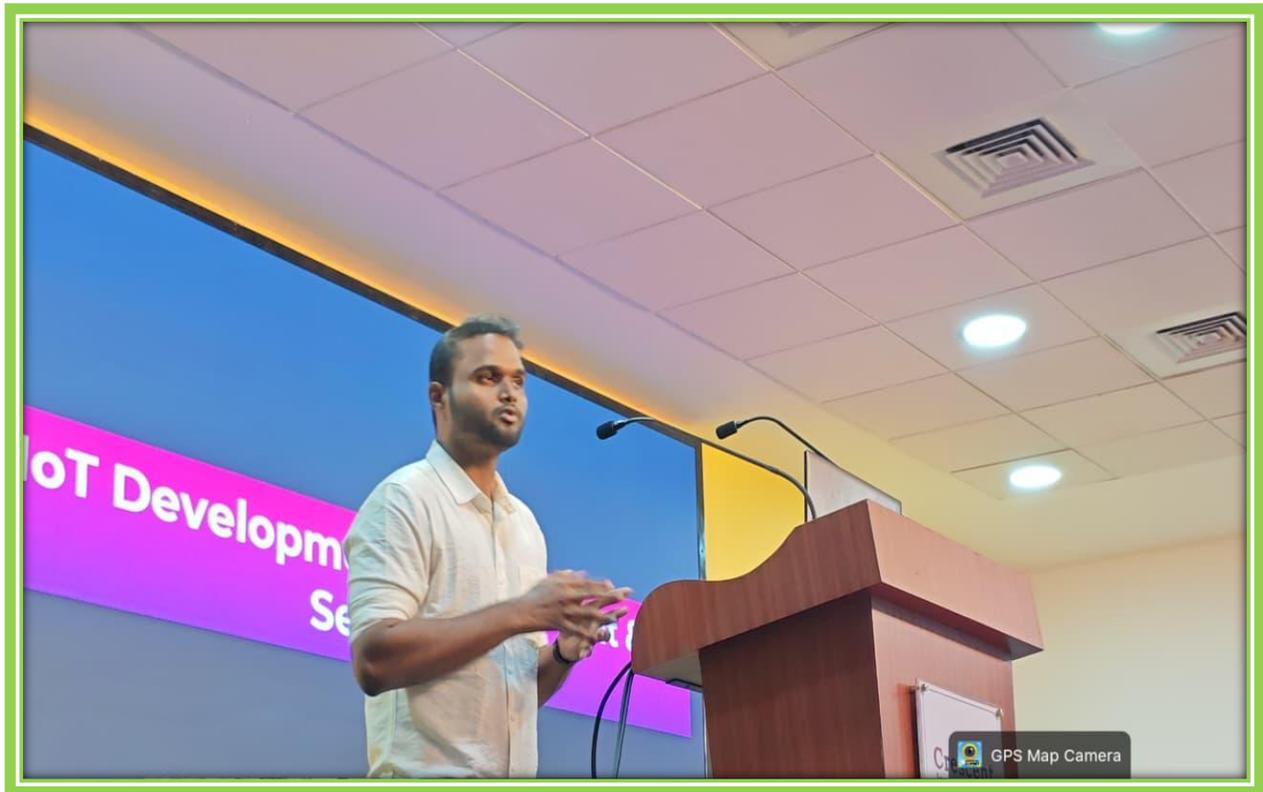


DEPARTMENT OF COMPUTER APPLICATIONS
SEMINAR REPORT

“Design and development environments for IoT applications”



Presentation by

Mr. Ramesh Kanna M,
Senior Cyber Security Engineer,
Integrate Pvt. Ltd, Chennai

The Department of Computer Applications organized a Seminar on “Design and development environments for IoT applications” by Mr. **Ramesh Kanna M, Senior Cyber Security Engineer, Integrate Pvt. Ltd, Chennai** on 19th February, 2026 in CIIC Seminar Hall between 10.00 AM to 12.00 noon.



The coordinators for the event are Ms.S.Sabaria, Asst.Prof. / CA., Dr.R.Shanthi, Asst. Prof. / CA., Dr.K.Jose Reena, Asst. Prof. / CA., Dr.R.Iniyavan Asst. Prof.(Sr.Gr)/ECE and Dr. Percy J.Sephra, Asst. Prof. / ECE.

The Seminar was attended by the B.Sc. (CS), B.C.A. (CTIS), B.C.A.(DS), BCA (AI) & BCA (CS) students and faculty of Computer Applications and Electronics and Communication Department.



In his lecture, Mr. Ramesh Kanna M, discussed the

- Types of Industry sensors
- Applications of sensors
- Types of Actuators
- IoT Development Boards
- Wireless Sensor networks
- Application of RFID and
- IoT and Network Security

He explained the concepts with real-time examples and introduced several exclusive case studies and challenges faced in the industry.



The seminar also briefly explained the concept of sensors, their types, and their significance in various industries.

He described image sensors as devices that convert optical images into electronic signals, playing a crucial role in systems requiring visual data processing. He emphasized their importance in industry, pointing out that image sensors are integral to areas like autonomous vehicles, quality inspection in manufacturing, robotics, and healthcare diagnostics.

He also shared his own experiences and discussed the opportunities available in IoT for the participants, providing valuable insights into career paths, Certification courses and skill sets required in the industry.



The vote of thanks was proposed. According to the students, the seminar gave them a great learning experience and they were inspired.