



**Pimpri Chinchwad Education Trust's  
Pimpri Chinchwad College of Engineering & Research  
Ravet, Pune - 412101**



**Academic Year: 2024 – 25**

**GUEST SESSION REPORT-BCA**

**Term II**

**Date: 03/05/2025**

**Title of Guest Lecture:** Interfacing of 8051 and Introduction of Embedded C

**Date:** April 29<sup>th</sup>, 2025, Tuesday.

**Organized by:** PCCOER College, Ravet, BCA Department.

**Speaker:** Mr. Sangmeshwar Kendre (IOT & Embedded Systems Mentor)

**Duration:** 10am-12pm( 2 hour)

**Attendee:** All BCA students.

**Report Prepared by:** Mrs. Priyanka Mehetre

## **1. Introduction**

On 29<sup>th</sup> April 2025, department of BCA organized guest lecture on the topic " Interfacing of 805 and Introduction of Embedded C" was conducted for FYBCA students. The lecture was delivered Mr. Sangmeshwar Kendre, who is a renowned mentor for IOT & Embedded Systems. The session aimed to provide an overview of microcontrollers & Embedded C programming.

## **2. Guest Session Objectives**

The primary objective of this guest lecture was to provide an in-depth understanding of microcontrollers, Embedded C programming, and their application in embedded systems. The session aimed at introducing key concepts such as the difference between microcontrollers and Embedded C, data types in Embedded C, and interfacing an LCD with the 8051 microcontroller.

## **3. Overview:**

Mr. Kendre sir provided an introduction to microcontrollers and Embedded C. The speaker discussed the role of microcontrollers in various applications, their architecture, and the significance of Embedded C in programming these devices. Key topics included data types in Embedded C, the difference between microcontrollers (hardware) and Embedded C (software), and hands-on demonstration of interfacing an LCD with the 8051 microcontroller. The session successfully combined theory and practical application, helping students gain a better understanding of embedded systems and programming.

## **4. Conclusion and Recommendations**

The guest lecture successfully provided students with a thorough understanding of microcontrollers, Embedded C, and their practical applications. The session helped bridge the gap between theory and practice, offering valuable insights for students pursuing careers in embedded systems.

Overall, the lecture was highly informative and engaging, providing students with the foundational knowledge required for further exploration in the field of embedded systems.

**PHOTOS:**



**Glimpses of the Guest Lecture on Interfacing of 8051 and Introduction to Embedded C**

