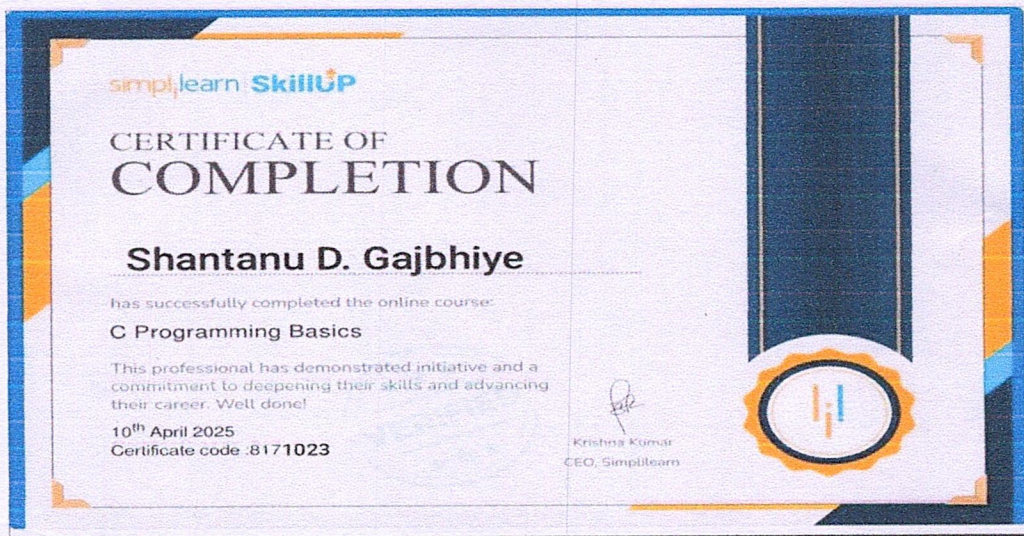


Activity: "Innovative Teaching Learning Pedagogy"**Date & Day: Friday, 30/04/2025****Activity No 07****Duration: April-May 2025****Type of Activity : Skill-Based Certification Activity****Subject : FMA**

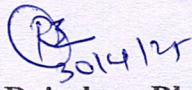
Activity conducted by
- Ms. Rajashree Bhokare

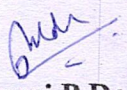
Objectives:

1. To enhance students' programming skills for microcontroller use.
2. To strengthen students' foundational knowledge of C programming with a focus on its application in microcontroller-based systems.
3. To enhance students' coding proficiency in writing efficient and hardware-oriented C programs for tasks such as port handling, delay generation, timers, and interrupts.

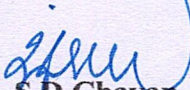
Photographs:**Outcome:**

1. **Students gained industry-relevant C coding proficiency.**
2. They **successfully applied theoretical concepts** by completing hands-on coding assignments focused on timers, ports, and delay generation in embedded C.
3. The activity **bridged the gap between classroom learning and real-world embedded programming**, enabling students to think critically about hardware-software integration.


Ms. Rajashree Bhokare
SE Subject Teacher


Dr. Manasi P. Deore
DAC




Dr. S.D. Chavan
H.O.D

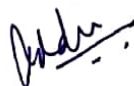
Department of Electrical Engineering**Activity: "Innovative Teaching Learning Pedagogy"**

Mapping of Pedagogy with POs and PSOs :

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	1	1		1				1			1	1	1	

Mapping of POs and PSOs with Justification:

POs and PSOs Mapped	Justification
PO1	Certification in C strengthens core programming skills needed for embedded systems and microcontroller programming.
PO2	Helps in understanding logic and syntax to analyze and solve programming problems related to microcontrollers.
PO3	Enhances ability to write and optimize C code for embedded applications.
PO5	Students often learn to use IDEs like Code::Blocks, Keil, or online compilers as part of certification practice.
PO9	Students work independently on certification tasks; peer discussion may also encourage collaboration.
PO12	Encourages students to pursue continuous learning outside the syllabus through recognized platforms.
PSO1	C is foundational for microcontroller applications and helps bridge software with embedded hardware.
PSO2	Through certifications, students become proficient in using compilers, simulators, and editors for embedded coding.

Rajashree Bhokare
Course CoordinatorDr. Manasi P. Deore
DACDr. S.D. Chavan
HOD