

‘Lab Workshop on Embedded C and ARM Cortex Microcontrollers’

(Jointly offered by NIELIT Calicut & ARM in association with NPTEL)

Frequently Asked Questions (FAQs) on

Nature of Workshop, Eligibility, Registration & Payment, Workshop Selection Process, Workshop Joining Procedure, Workshop Timing Schedule, Workshop Undergoing, Workshop Assessment, Workshop Certification, Role of Organizers

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A. Nature of Workshop

1. Is the course fully online?

Yes, the workshop is entirely online, allowing participants to complete both theory and practical components remotely.

2. Is there a daily completion requirement for the course?

No, there is no strict daily completion requirement. However, it is recommended that participants follow the weekly schedule and submit assignments before the end of the course.

3. How can the participants clear their doubts?

Participants can seek clarification via the discussion forum on our Learning Management System (LMS). Additionally, each batch will have a dedicated WhatsApp group for quick doubt resolution. If required, video sessions can be arranged at a mutually convenient time.

B. Eligibility

4. Who is eligible for the workshop?

The workshop is open for Students, Industry Professionals, Recent Graduates, and Faculty members.

5. What are the prerequisites for attending the workshop?

- Basic knowledge of electronics is beneficial.
- Stable broadband internet connectivity is mandatory for participation in the online workshop.

C. Registration & Payment

6. How can one register and make the payment for a workshop batch?

Registration and payment can be completed online via the following links:

- NIELIT Calicut: <https://nielit.gov.in/calicut/>
- NPTEL Partnering Courses: <https://elearn.nptel.ac.in/product-category/partnering-courses/>

7. What is the deadline for course registration?

Registration will close as soon as the maximum number of participants is reached. The course start date and other key details (e.g., content and instructor info) will be provided on the course webpage.

D. Workshop Selection Process

8. What is the criteria for selection?

Selection is based on a **First Come, First Served** basis from among eligible registrants. As long as registration is open, course intake will continue.

E. Workshop Joining Procedure

9. When and how will registrants be notified of their selection?

All successful registrants will receive an email confirmation from NIELIT one day before the workshop begins. This will be sent to the email address provided during registration.

10. How do the participants access the workshop?

The selection email will carry the login credentials for the LMS with all necessary instructions. LMS contains the entire course structure and other important details.

F. Workshop Timing Schedule

11. What is the schedule for accessing the Lab resources?

- Each participant will be allotted a 2-hour time slot per day for lab access on the scheduled days.
- All lectures, including lab demos, will be available 24*7 in the form of pre-recorded videos for flexible learning.
- Login credentials for practical work, along with time slot details, will be provided to each participant.

G. Workshop Participation

12. Is attendance mandatory for certification?

NO, Attendance is not mandatory to qualify for certification.

13. How can participants derive maximum benefit from the workshop?

To gain the most hands-on experience, participants are encouraged to:

- Review lectures regularly.
- Complete lab self-assessments and mini-projects.

- Dedicate at least 1 hour per day to workshop activities, depending on their existing knowledge.

14. What equipment or tools are required to participate in the practical sessions?

No physical hardware is required with the students. The entire practical component can be completed using SMART Lab using which you can access the dedicated hardware provided for the workshop.

15. Can the participants interact with the course instructors directly?

Yes, participants can interact with instructors through the LMS discussion forum, scheduled live Q&A sessions, and the WhatsApp group.

16. What should I do if I miss a scheduled lab session?

In case of a missed lab session, participants can **complete in the next lab sessions** subject to availability.

H. Workshop Assessment

17. How will participants be evaluated?

Evaluation will be based on two components:

- **50% Weightage** for credited assignments or mini-projects.
- **50% Weightage** for the exit test (online MCQ).

Both assessments will be managed through the LMS.

I. Workshop Certification

18. Who certifies the successful participants?

Certification will be awarded jointly by NIELIT Calicut and ARM for participants who successfully complete the workshop requirements.

J. Role of Organizers

19. What are the roles of NPTEL, ARM and NIELIT?

- **NIELIT Calicut:** The main organizer, operating under the Ministry of Electronics and Information Technology (MeitY), Government of India.
- **ARM Education Program:** ARM provides educational resources and expertise for ARM Cortex microcontrollers.
- **NPTEL:** In association with NPTEL, this workshop is categorized as a partnering course. However, your registration will not appear in your NPTEL account dashboard.

For further queries, contact the numbers provided in the webpage:

<https://nielit.gov.in/calicut/content/lab-workshop-arm-cortex>