

PLAN FOR ORGANIZING THE PLC PROGRAMMING CONTEST

Based on the master plan of the Faculty of Electrical – Electronics Engineering regarding the organization of academic activities for students in the academic year 2025–2026;

The Faculty of Electrical – Electronics Engineering hereby develops the plan to organize the PLC Programming Contest as follows:

I. OBJECTIVES AND REQUIREMENTS

1. Objectives

Create an intellectual and creative playground for students of the Faculty of Electrical – Electronics Engineering as well as all students of Ho Chi Minh City University of Industry and Trade.

2. Requirements

- ☐ Students enhance their practical skills, strengthen specialized knowledge, and improve teamwork abilities.
- ☐ Foster a broad and active learning and research environment across the entire faculty and the university.

II. TIME AND LOCATION

1. Timeframe: from 18/01/2026 to 30/05/2026

- 16/05/2026: opening ceremony and preliminary round
- 23/05/2026: challenge round
- 30/05/2026: final round, closing ceremony, and awarding

2. Location:

Electrical – Electronics Engineering Faculty Practice Workshop,
Address: 31 Che Lan Vien Street, Tay Thanh Ward, Ho Chi Minh City

III. PARTICIPANTS

All students currently studying at Ho Chi Minh City University of Industry and Trade.

IV. REGISTRATION AND REGULATIONS

Each student registers using the form: <https://forms.gle/BUo9X1Ky2XdKWkxY9>

V. SCHEDULE, CONTENT, AND ORGANIZATION

1. Implementation Schedule:

- From 22/03/2026 to 31/03/2026: dissemination to all classes.
- From 01/03/2026 to 05/04/2026: collect registration lists.
- 06/04/2026: finalize the registration list.
- 16/05/2026: opening ceremony and preliminary round.
- 23/05/2026: challenge round.
- 30/05/2026: final round, closing ceremony, and awarding.

2. Organization Details:

Round 1: Preliminary Round – 16/05/2026

- Contestants will randomly draw 1 out of 10 topics provided in advance by the organizers (topics will be announced on 09/05/2026).
- The preliminary round consists of I/O control programming using PLC S7-1200.
- Results are evaluated based on completion time.
- Only submissions completed within the allowed time (60 minutes) will be considered.
- The top 20 contestants with the shortest completion times will advance to the Challenge Round.

Round 2: Challenge Round – 23/05/2026

- Contestants will randomly draw 1 out of 5 topics provided in advance (topics announced on 16/05/2026; in addition to PLC programming, this round includes system control and monitoring).
- Contestants will randomly draw their workstation position in the PLC laboratory.
- The challenge round consists of control programming using PLC S7-1200.
- Results are evaluated based on completion time.

- Only submissions completed within the allowed time (90 minutes) will be considered.
- The top 5 contestants with the shortest completion times will advance to the Final Round.

Round 3: Final Round – 30/05/2026

- Contestants will randomly draw 1 out of 5 topics provided in advance (final round topics announced on 23/05/2026; in addition to PLC programming, this round includes system control, system monitoring, and communication programming between PLCs).
- Contestants will randomly draw their workstation position in the PLC laboratory.
- The final round consists of control programming using PLC S7-1200.
- Only submissions completed within the allowed time (120 minutes) will be considered.
- Results are evaluated based on completion time.

Before each competition round, the organizing committee will provide guidance to contestants on all exam content. The schedule will be announced to all registered participants (PLC programming, designing control interfaces, PLC communication, etc.).

3. Violation Handling:

- Disqualification and termination of the contestant's test if a system short circuit is caused.
- Disqualification if contestants communicate with others during the competition.
- Disqualification if contestants bring unauthorized materials or commit cheating.
- Participants who provoke conflict or behave inappropriately in violation of school conduct will be removed from the competition.

VI. AWARD STRUCTURE

- 01 First Prize: 1,200,000 VND
- 01 Second Prize: 1,000,000 VND
- 01 Third Prize: 500,000 VND
- 02 Consolation Prizes: 400,000 VND each

VII. ESTABLISHMENT OF THE ORGANIZING COMMITTEE

1. Mr. Lê Thành Tới, Head of Faculty – Head of Committee
2. Mr. Nguyễn Phú Công, Deputy Head of Automation Department – Member
3. Mr. Trần Hồng Văn, Lecturer – Member
4. Mr. Lưu Hồng Quân, Lecturer – Member
5. Mr. Trần Văn Hải, Lecturer – Member
6. Mr. Võ Song Vệ, Lecturer – Member
7. Mr. Đỗ Thành Đạt, Staff Member – Member
8. Ms. Võ Thị Lệ Phước, Academic Affairs Officer – Member

The above is the Plan for organizing the PLC Programming Contest of the Faculty of Electrical – Electronics Engineering. All relevant individuals are required to fully and strictly implement the contents of this plan.

Recipients:

- Student Affairs Office & Communication Center
- Filed at the Faculty Office

DEAN OF FACULTY

LÊ THÀNH TỚI