Republic of the Philippines
Department of Education
REGION VII - CENTRAL VISAYAS
DIVISION OF CITY SCHOOLS - TAGBILARAN CITY

Office of the Schools Division Superintendent

February 20, 2025

DIVISION MEMORANDUM
No. 136 , s. 2025

USC ROBOCON 2025

To: All Public and Private Elementary and Secondary School Heads
All Others Concerned

1. This has reference to the Regional Memorandum No. 0155, S 2025. dated February 14, 2025, titled **USC Robocon 2025.**

2. This Office, through the Curriculum Implementation Division (CID) would like to invite all public and private elementary to tertiary learners to join the **USC Robocon 2025 on March 8, 2025 at USC Talamban Campus, Cebu City.**

3. Kindly refer to the attached letter from Antonette M. Cañete, Phd. Project Manager, USC Robocon 2025.

4. The participation of the learners and teachers from both public and private schools is subject to the discretion of the Schools Division Superintendent and is subject to compliance with the no-disruption-of-classes policy outlined in DepEd Order No. 9, s. 2005 titled "Instituting Measures to Increase Engaged Time-On-Task". Additionally, participation in the activity must adhere to the no-collection policy as articulated in Section 3 of RA No. 5546, "An Act Prohibiting the Sale of Tickets and/or the Collection of Contributions for Whatever Projects of Purpose from Students and Teachers of Public and Private Schools.

5. Immediate and wide dissemination of this memorandum is desired.

WILFREDA D. BONGALOS PhD CESO V
Office of the Schools Division Superintendent

WDB/JAAL/CID/JTB/cmfc

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Republic of the Philippines
Department of Education
REGION VII - CENTRAL VISAYAS

Office of the Regional Director

REGIONAL MEMORANDUM
No. 0159, s. 2025

USC ROBOCON 2025

To: Schools Division Superintendents
All Others Concerned

1. Attached is a communication from Dr. Antoniette M. Canete, Chair, Department of Computer Engineering, inviting students to participate in **USC Robocon 2025 on March 8, 2025, at USC Talamban Campus, Cebu City.**

2. For further details about the event, please contact:

Dr. Antoniette M. Canete
Project Manager, USC RoboCon 2025
Contact Number: (032) 230-0100 local 263
Email Address: comedept@usc.edu.ph

3. The participation of the learners and teachers from both public and private schools is subject to the discretion of the Schools Division Superintendent and is subject to compliance with the no-disruption-of-classes policy outlined in DepEd Order No. 9, s. 2005, titled "Instituting Measures to Increase Engaged Time-On-Task." Additionally, participation in the activity must adhere to the no-collection policy as articulated in Section 3 of RA No. 5546, "An Act Prohibiting the Sale of Tickets and/or the Collection of Contributions for Whatever Projects or Purpose from Students and Teachers of Public and Private Schools."

4. For information and dissemination.

SALUSTIANO T. JIMENEZ EdD, JD, CESO III
Director IV
Regional Director

STJ/FYA/CLMD/EBEJ/bca

UNIVERSITY of SAN CARLOS
SCIENTIA • VIRTUS • DEVOTIO

USC RoboCon 2025
Department of Computer Engineering
School of Engineering

RS 2025-3264

February 8, 2025

FEB 13 2025

HON. SEC. JUAN EDGARDO "SONNY" M. ANGARA
Secretary
Department of Education (DepEd)
DepEd Complex, Meralco Ave.
1604 Pasig City

Thru: **SALUSTIANO T. JIMENEZ, JD, EdD, CESO III**
Director IV
DepEd Regional Office VII

Dear Secretary Angara:

Greetings!

The Department of Computer Engineering of the University of San Carlos (USC) in Cebu City is organizing **USC RoboCon 2025** which will happen this coming April 27, 2025. Additional details will be announced during the event launching, which is scheduled on March 8, 2025 at USC Talamban Campus.

USC RoboCon is a multidisciplinary robotics competition which aims to foster innovation and collaboration by enabling students and enthusiasts to apply principles from engineering, programming, and problem-solving in a task-based and cooperative environment.

The event challenges participants to think strategically, demonstrate their creativity, while applying their technical expertise.

Aligned with the K-12 curriculum, **USC RoboCon 2025** serves as a platform to promote the Science, Technology, Engineering, and Mathematics (STEM) track, encouraging students to explore careers in science and engineering through hands-on robotics challenges. On the other hand, **USC RoboCon 2025** encourages non-students i.e. professionals and enthusiasts to engage in life long learning in a competitive environment.

The competition consists of four categories:

- **Run Robot Run** (for Grades 4-6 students)
- **Line Follower** (open category[1])
- **Sumobot** (open category[1])
- **INROF** (for tertiary students and professionals)

Note 1: Open category pertains to students from grade school all the way to tertiary levels.

These categories cater to students from basic education to tertiary levels, as well as professionals, hobbyists and robotics enthusiasts, providing a venue to showcase their talents, creativity, and technical skills.

USC - Talamban Campus
Gov. M. Cuenco Ave., Talamban, Cebu City, Philippines 6000
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USC RoboCon 2025
Department of Computer Engineering
School of Engineering

Aside from the robotics competition, **USC RoboCon 2025** will also feature an exhibit, to showcase the research output of our graduate and undergraduate students.

In this regard, we would like to request **DepEd's endorsement of USC RoboCon 2025** as an official event for schools and universities. Your endorsement will greatly help in encouraging participation from institutions across the country, further strengthening the role of robotics education in shaping future innovators.

For more details, please see the description of the event categories in the attached file. You may contact us at (032) 230-0100 local 263, or through email, comedept@usc.edu.ph.

I am hoping that your good office will support us in this endeavor.

Sincerely yours,

Antoniette M. Cañete, PhD
Project Manager, USC RoboCon 2025
Chair, Department of Computer Engineering

Endorsed by:

Dr. Rosana J. Ferolin
Dean, School of Engineering
University of San Carlos

Fr. Jesuraj Anthoniappen, SVD
Vice President for Academic Affairs (VPAA)
University of San Carlos

USC RoboCon 2025
Event Category Descriptions

1. **Run Robot Run**

Run Robot Run is a USC RoboCon 2025 event designed for basic education students in Grades 4 through 6. In this event, participants will design a mobile robot from a selection of motors, sensors, and other parts from the LEGO MINDSTORMS EV3 kit, which will navigate a maze course featuring various terrains. Competitors are tasked with assembling and programming the robot to traverse the maze course, collect points, and reach the finish line in the shortest time possible.

2. **Line Follower**

Line follower is a robotics competition event, which aims to design an autonomous robot capable of following a guided path on the ground. The guides shall be lines and the accuracy of the robot in following the path in the shortest time will be the judging criteria. This is an open category event, which will showcase the participants' programming abilities, and analysis and critical thinking skills.

3. **Sumobot**

SumoBot competition is a robotics competition event, which is played with two autonomous open-design robots competing in a head-to-head match analogous to traditional human sumo matches. No weaponized mechanism is allowed within the robot (e.g., flipping) and with the sole objective of a pushing match between the two robots to force the other out from the arena. This is an open category event.

4. **INROF**

The **Intelligent Robot Festival (INROF)** requires team participants to design and construct an autonomous ball-collector mobile robot that will take balls of different colors from specific areas in a competition arena and segregate them in appropriate ball bins in another area on the arena. This task must be accomplished by these robots accurately and quickly, within a given time period. The competition shall be divided into two levels: *Demo Level*, where specific locations of different colored balls are defined, and *Random Level*, where the colored balls are placed in the ball area randomly during the competition. This event is open to tertiary level students, and professionals.