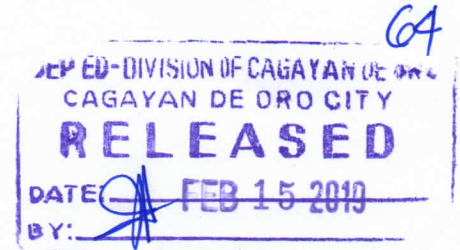


Republic of the Philippines  
**Department of Education**  
Region X-Northern Mindanao  
**DIVISION OF CAGAYAN DE ORO CITY**  
Fr. William F. Masterson, Jr. Avenue, Upper Balulang  
Cagayan de Oro City



February 15, 2019

**MEMORANDUM**



**TO : School Head - CDO National High School**  
**School Head - Regional Science High School**  
This Division

**ROBOTICS WORKSHOP FOR STUDENTS AND EDUCATORS**

1. Anchored on the letter-request of **Mrs. Pinky B. Legaspi**, Vice President, Data Science and Technology Corporation, Philippine Robotics Team, you are hereby requested to send participants to the training workshop on Robotics at Kong Hoa School, Kauswagan, Cagayan de Oro City on February 19-20, 2019 @ 8:30 AM.
2. Participants to this training are ten (10) teachers and ten (10) students from RSHS and CDONHS. A total of twenty (20) students and twenty (20) teachers from both schools. See attached letter-request, program schedule for reference and compliance on the form attached.
3. For your guidance.

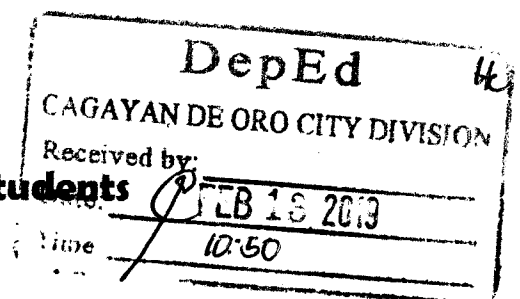
*f* *Jonathan S. Dela Peña*  
**JONATHAN S. DELA PEÑA, PhD, CESO V**  
Schools Division Superintendent

Encl.: letter request/training schedule  
Reference: letter request/training schedule

To be indicated in the perpetual Index  
Under the following subject:

Robotics  
Training  
Science and Technology

CID/ETC



## **ROBOTICS WORKSHOP for Educators and Students**

Philippine Robotics Team

Data Science and Technology Corporation

www.dstc.com.ph

Date of Robotics Workshop (Students): February 19, 2019

Date of Robotics Workshop (Teachers): February 20, 2019

Venue of Workshop: Kong Hua School, Kauswagan Road, Cagayan De Oro City

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February 5, 2019

DR. JONATHAN S. DELA PEÑA  
*Schools Division Superintendent*  
*Cagayan De Oro City, Deped Region X*

*Dear Sir:*

*The Data Science and Technology Corporation, organizer of the Philippine Robotics Team, is conducting a Free Educators Workshop on Robotics in Cagayan De Oro City on February 19 & 20, 2019. The program aims to further develop robotics literacy skills for teachers and students. We also aim to train as many educators as possible in the format of robotics for local and international engagements.*

*In view of the above, we would like to respectfully invite your teachers and select group of students to attend the FREE Robotics Workshop and Benchmarking on Robotics on **February 19-20, 2019, 9am to 5pm** at Kong Hua School located in Kauswagan Road, Cagayan de Oro City.*

*The Training Program is outlined below:*

### **ROBOTICS WORKSHOP AND TRAINING CAMP**

*Kong Hua School, Cagayan de Oro City*

*Training Outline:*

#### *I. February 19, 2019*

*Robotics Workshop for Students (Mission Workshop for Students)*

- > 8:00AM – 9:00AM: *Assembly (distribution of robotics camp kits)*
- > 9:00AM – 10:00AM: *Basic Robot anatomy, Programming interface and Basic Robot Programming*
- > 10:00AM – 10:30AM: *Recess*
- > 10:30AM – 12:00nn: *Basic Robot Programming, Basic Movements, Basic Turns*
- > 12:00nn – 1:00PM: *Lunch break*
- > 1:00PM – 2:00PM: *Sensors and Sensor calibration*
- > 2:00PM – 3:30PM: *Calibration and Programming testing and Re-Programming based SumoBot.*
- > 3:30PM – 4:30PM: *Friendly Robotics Competition*
- > 4:30PM – 5:30PM: *Graduation and distribution of certificates*

#### *II. February 20, 2019*

*FIRA International RoboWorld Cup format-Teachers Course)*

- > 7:30AM – 8:30AM: *Assembly of participants in the training room and*

distribution of participants' handouts (robot parts, function and common Arduino programming syntax)

- > 8:30AM – 10:00AM: Review on Basic Robotics Anatomy, program interface and Basic Robot Programming,
- > 10:00AM – 10:30AM: Recess (working break)
- > 10:30AM – 12:00PM: Review on Robot Sensors and Sensor Calibration
- > 12:00PM -1:00PM: Lunch break
- > 1:00PM – 3:00PM: Calibration and Programming testing and Re-Programming based FIRA RoboWorld Cup Mission Challenge Format
- > 3:00PM – 4:00PM: Friendly Robotics Competition (Mission Challenge)
- > 4:00PM – 5:00PM: Awarding of Winners and Certificate of Training

**REPLY FORM** (Participants are requested to send filled-out reply form to [philippineroboticsteam@gmail.com](mailto:philippineroboticsteam@gmail.com) on or before February 14, 2019)

Name of School	
Contact No.	
Email Address	
Names of Delegates & Position (Please use additional sheets if necessary to list down additional delegates)	1.
	2.
	3.
	4.
	5.


**\*Student Workshop capacity – maximum of 20 students**

**\*\*Teacher Workshop capacity – maximum of 20 teachers**

We pray for your kind endorsement of the workshop and we look forward to the participation of many students and teachers from the region. Should you require more details, please feel free to contact us at tel. no. (02)4115541 or send an email to [marketing@genetic.edu.ph](mailto:marketing@genetic.edu.ph).

Thank you.

Respectfully,

  
Mrs. Pinky B. Legaspi  
Vice President  
Data Science and Technology Corporation  
Philippine Robotics Team