



August 6, 2021

REGIONAL MEMORANDUM

No. 596, s. 2021

To: SCHOOLS DIVISION SUPERINTENDENTS
 This Region

STEM EDUCATION MASTER CLASS COURSE FOR TEACHERS

1. The Department of Information and Communication Technology Mindanao Cluster II in partnership with the University of the Philippines – College of Education through the ICT Literacy and Competency Development Bureau (ILCDB) is inviting excellent teachers to participate in the STEM Education Master Course for Teachers.
2. The Digital Teacher Training Program of the ILCDB aims to build and transform the digital competencies of Filipino Teachers through information and communication technologies.
3. Due to the current pandemic situation brought about by COVID-19 and imposed travel restrictions around the region, the training course will be conducted synchronously via ZOOM and asynchronously through the DICT – Microsoft Workplace Learning and Development Platform. The training will run from August 16 – 20, 2021.
4. The participants to the training, course details and other pertinent documents are attached to this memorandum.
5. Participants are expected to confirm their attendance to Ms. Ma. Graciela Vic Elape via graxelape@gmail.com or mobile number 0948-745-8378.


EVELYN R. FETALVERO, CESO IV
 Director IV

Encl/s.: As stated
 Reference/s: NONE
 To be indicated in the Perpetual Index
 under the following subjects:

LEARNING AND DEVELOPMENT SCHOLARSHIP TRAINING PROGRAMS

HRD/eafc
 08/06/2021



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Enclosure 1

LIST OF PARTICIPANTS

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REPUBLIC OF THE PHILIPPINES

DEPARTMENT OF INFORMATION AND
COMMUNICATIONS TECHNOLOGY

PROGRAM OF INSTRUCTION

STEM Education Master Course for Teachers (CO-A1 STEM 2021-08-002)

As of August 2021

Description

The *STEM Education Master Course for Teachers 2021* is the first part of three blended (synchronous and asynchronous) trainings offered by the Department of Information and Communications Technology - ICT Literacy and Competency Development Bureau in partnership with the University of the Philippines - College of Education through the development of Massive Open Online Courses (MOOCs) designed to develop and strengthen competencies of teachers in integrating digital skills in STEM (Science, Technology, Engineering and Mathematics) Education.

The course can be accessed by the participants asynchronously in the Learning Management System (LMS), Workplace Learning and Development Platform, developed by Microsoft in partnership with the DICT. Four digital interactive modules authored using Rise 360 are then uploaded to the LMS, where participants can view, access, and accomplish the modules at their own pace and time. Participants are also encouraged to attend a synchronous synthesis session to be led by the course developers/resource persons from the University of the Philippines - College of Education, Center for Integrated STEM Education.

Objectives

At the end of the course, participants should be able to:

- Develop the information and data literacy skills of STEM teachers particularly the application of such skills in inquiry-based learning
- Understand design-based learning and apply knowledge on communication and collaboration through digital technologies
- Utilize data visualization to enhance context-rich learning and use infographics as an assessment tool
- Plan and design a digital content that fosters STEM competencies and sustainability applying the Education for Sustainable Development (ESD) teaching framework
- Promote their role as strategic knowledge partners in accelerating economic recovery and developing the global competitiveness of the Filipino ICT Workforce through ICT education

Content

The STEM Education Master Course for Teachers is divided into four standalone modules: