



Resilient Education Information Infrastructure for the New Normal (REIINN)

Duration: 2021-2023

Host Institution: DOST - Advanced Science and Technology Institute (ASTI)

Project Description

The Resilient Education Information Infrastructure for the New Normal (REIINN) Project is being implemented by the DOST-ASTI, in cooperation with the Electronics Industries Association of the Philippines, Inc. (EIAPI) and through the funding assistance of the Philippine Council for Industry, Energy and Emerging Technology Research and Development (PCIEERD).

The focus of the project is to develop innovative solutions utilizing UHF TV channels to support remote education and to provide internet connectivity since face-to-face classes are not yet allowed in the Philippines. One of the research activities of the project is to develop a low-cost, small-scale LTE base station that aims to address the lack of internet access in remote and unserved areas in the Philippines. The project also explores the datacasting feature of the Integrated Services Digital Broadcasting-Terrestrial (ISDB-T) in delivering educational digital content.

REIINN Phase 1 (DOST GIA Funding):
15 April 2021- 14 April 2022
(with extension request from 15 April to 30 June 2022)

REIINN Phase 2 (ASTI GAA Funding):
01 April 2022- 31 December 2023

Expertise Needed

- ISDB-T Datacasting, Digital TV
- Radio Frequency and Microwave Circuits and Devices (For training and skills development of staff, with focus on 4G/5G Technologies)
- Science Policy and Regulation (Policy on Spectrum Management and assistance with Regulatory Agencies (NTC, DICT, etc.))

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