

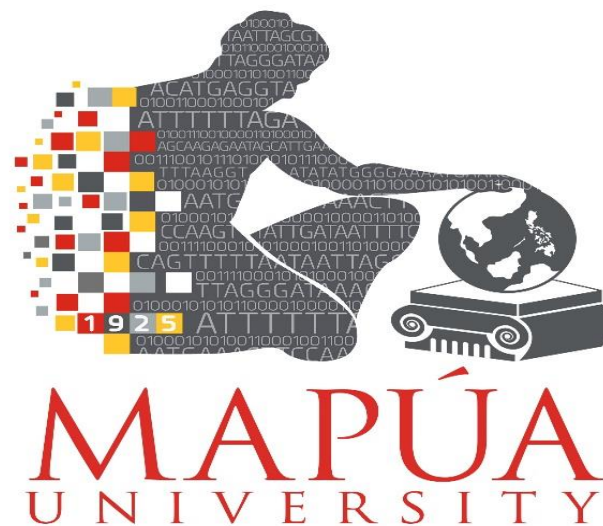


RADIANCE

2019

[issue 2020]





RADIANCE 2019 [issue 2020]

Journal of Social Orientation and Community Involvement
of Mapua University

INTRODUCTION

Mapua University has been working to address relevant social issues and environmental concerns consistent with its Mission and Vision. Through its Office for Social Orientation and Community Involvement Programs (SOCIP), Mapua has collaborated with different organizations, non sectoral groups, barangays, NGOs and government offices to come up with feasible concepts and ideas in helping alleviate the standards of living of the people in the communities they are working with.

With the guidance of United Nation's Sustainable Development Goals (SDGs), Mapua University is currently working on key programs that focus on achieving the realization of the SDGs . Students, non-teaching personnel and faculty members work on relevant studies and framework to proactively address the current challenges the society is facing.

Aside from SDGs, Mapua University has also created its Social Orientation and Community Involvement Initiatives which also direct the activities of social orientation and community involvement of the University.

The **RADIANCE Journal 2020 issue** highlights the activities of Mapua University for the year 2019.

SOCIAL ORIENTATION AND COMMUNITY INVOLVEMENT INITIATIVES



Research-Based Extension Service

Guided by the Commission on Higher Education's triad on rendering quality education, the integration of research, instruction and extension will give relevance in addressing the needs of the community. The learning provided through instruction will brought about the use of research that brings output in terms of extension service.



Health and Environment

Global issues on health and environment has become alarming. Such issues and concerns shall be addressed through the technical capabilities and human resources of the Institute. Modes of prevention, assessments and solutions shall be done to create a healthy community and clean environment.



Livelihood and Cooperative Building

Livelihood programs shall be introduced to the community. Building a cooperative shall serve as venue to market and sustain the products of the community as a result of the livelihood programs introduced. It shall ensure that products of the community beat par with the market in terms of quality but at lower cost. The cooperative shall be an access to basic commodities to address basic needs.



Education

The Institute shall develop programs in education. The program for education shall empower the community to make intelligent decisions. It shall in its capacity, address the needs of out-of-school youth and adults. It shall foster teaching and learning by conducting trainings/seminar/workshops that are current in content especially for public school teachers and students.



Values Formation, Sports, Recreation, Culture and the Arts Program

Programs on values formation, sports, recreation, culture and the arts shall help the community spend their time in more relevant activities.



Consultancy Program

Consultancy shall be used to address community needs either on regional or national level. The Institute's technical expertise shall be utilized on-site and off-site to assess and find recommendations and solutions for the community.



Outsourcing

Aside from the provisional budget allocated by the Institute for extension services, the school shall find ways to outsource fund and resources to achieve its extension service initiatives. Outsourcing includes funding, manpower, materials, skills and knowledge and technology transfer.



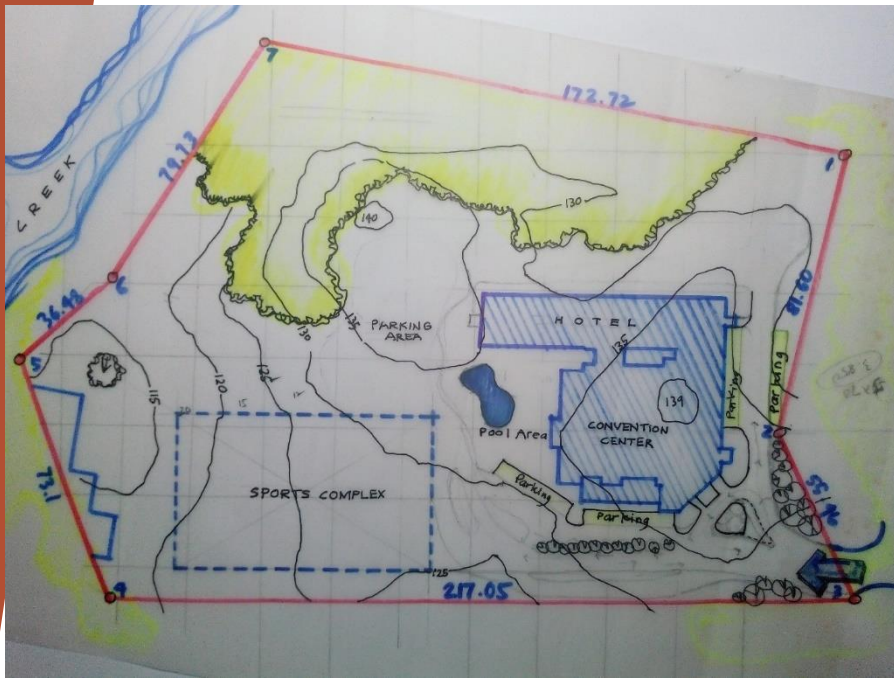
Aid and Infrastructure

The Institute's extension services shall be made available to quickly respond to calamity stricken areas and address real time community requests and needs. It shall in its capacity, mobilize and prepare its people and resources to respond and administer any aid that maybe delivered to the community.

The Institute shall help improve the conditions of the community through visible infrastructure related projects. Provisions for assessing structure's electrical wiring, structure rigidity and overall safety shall be done. Design of infrastructure for public use can be addressed by the faculty at the comforts of the four walls of a room. Direct contact with the community need not be observed for design and concept making shall be done using the Institute's facilities.

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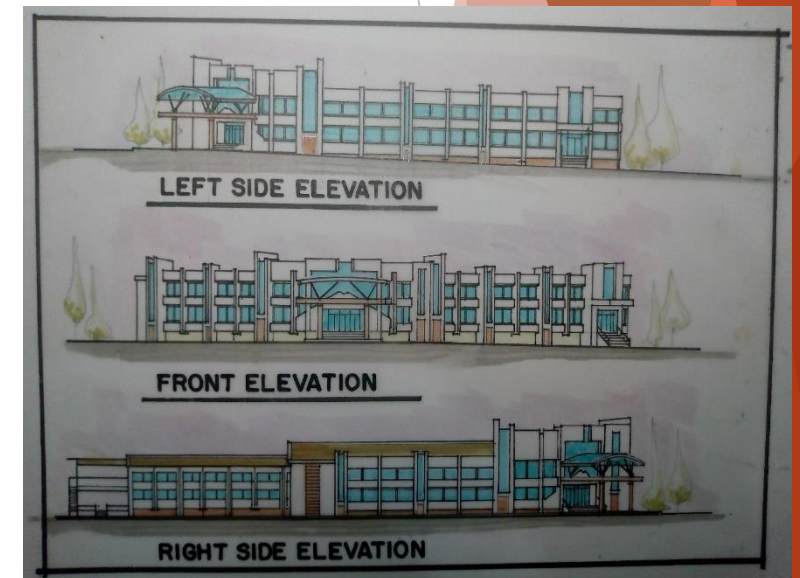
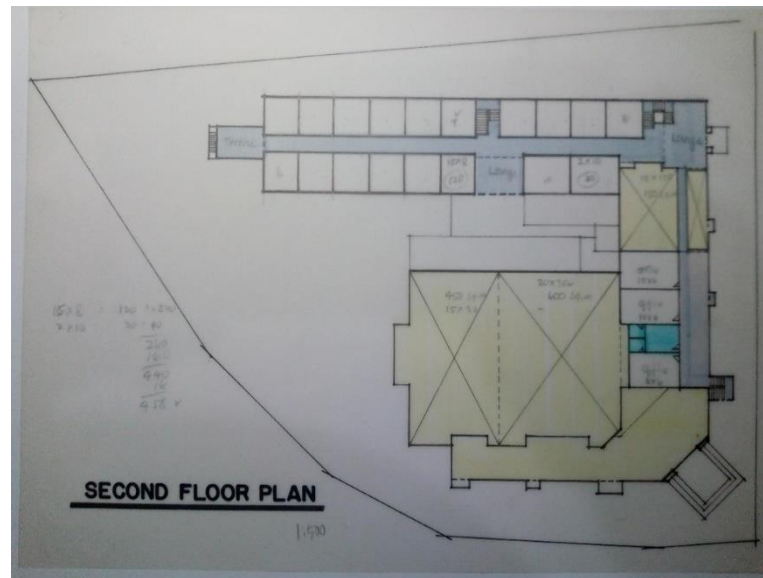
School of Architecture, Industrial Design and the Built Environment



Design Proposal for Mountain Province State Polytechnic College

Mapua University submitted designs for the proposed Mountain Province State Polytechnic College based on their requirements. One of the designs included the Convention Center and a Hotel building which will be used by the HRM students of MPSPC. The location is at Faliling, Bontoc, Mt. Province.

The schemes were submitted to the administrators of Mountain Province State Polytechnic College for their review and comments.





Design Proposal for Mountain Province State Polytechnic College

The proposed project required the design of a Four-storey Building with Roof Deck for Mountain Province Polytechnic College-College of Criminology in Faling, Bontoc, Mt. Province.

Four groups of AR students created the designs for MPSPC. The presentation drawings consisted of Perspective, Floor Plan and Elevations. The schemes were submitted to the administrators of Mountain Province State Polytechnic College for their review and comments.



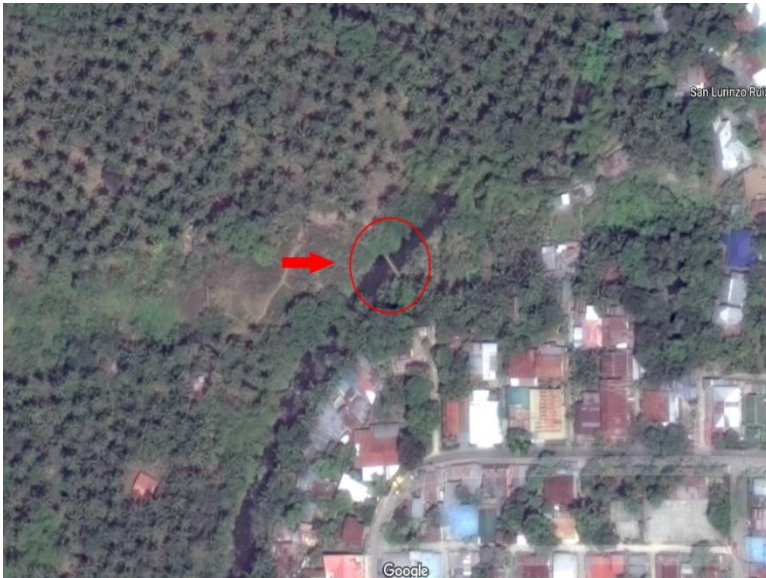


Bridge Project Consultation

JCI Manila requested for the assistance of Mapua University in the design of a hanging bridge that connects Iligan City and Marawi City. The hanging bridge is located in San Lorenzo Ruiz, Mindanao.

Currently, the bridge is only accessible for people because of its deteriorating condition. The bridge is temporarily not accessible for light vehicles like motorcycles and bicycles as it may pose safety risk to the people.

The design of the bridge has been submitted to JCI Manila for their review and comments.





Seminar on Indoor-Outdoor Plants on Ornamental Plants

A faculty of the School of Architecture, Industrial Design and the Built Environment together with some students went to Gawad Kalinga in Dasmariñas, Cavite. The seminar was a presentation of topics about Indoor and Outdoor plants about its benefits and how it can be used to beautify the house.

The discussion also focused on the importance of plantscape and landscape in mitigating room temperature, air purifying function and psychological benefits. Furthermore, basic principles and elements of design as applied in the design of potted plants that will aid the community in the beautification of the interior and exterior environment.



School of Chemical, Biological, Materials Engineering and Sciences

Microbiological Quality of Tap Water in Selected Barangays of Pandacan, Manila

The faculty and students of the School of Chemical, Biological and Materials Engineering and Sciences (CBMES) conducted a microbial tests on the water samples of selected households in Pandacan, Manila. The project aims to orient the residents about the quality of water that is being used in the community and create awareness to the public on the importance of implementing the drinking water quality standards, impact of water contamination on health, and control measures on addressing water quality issues and problems.

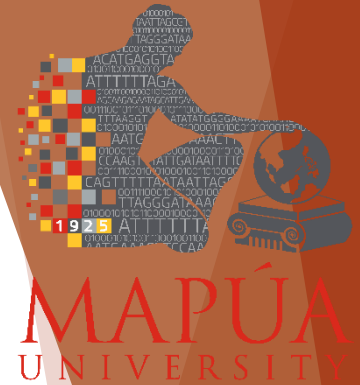


Photo on the left shows a Mapua student obtaining a sample from one of the water sources in the community. The samples were tested in one of the laboratories at Mapua University. Faculty and students joined together to gather samples from the different sampling sites in the areas.

Result of the lab test is available upon request.



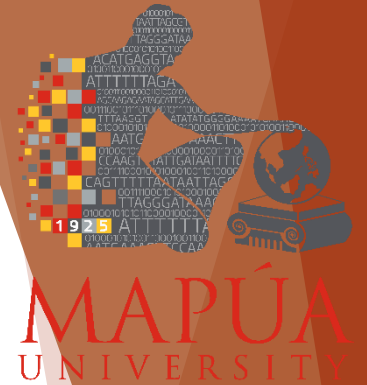
School of Civil, Environmental and Geological Engineering



Consultancy on the Proposed Macabebe Hidden Paradise

A team of Mapua representatives from the School of Civil, Environmental and Geological Engineering went to Macabebe, Pampanga last 2019 to visit its proposed site plan for the Macabebe Hidden Paradise. The visit aimed to assist the province in their request for the assessment of the drainage system around the proposed site.

The assessment study made by Mapua University was submitted to the person in-charge of Macabebe's Hidden Paradise for their review and reference.

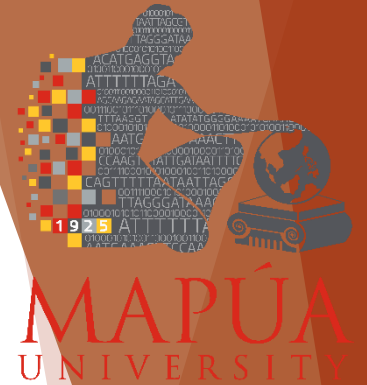




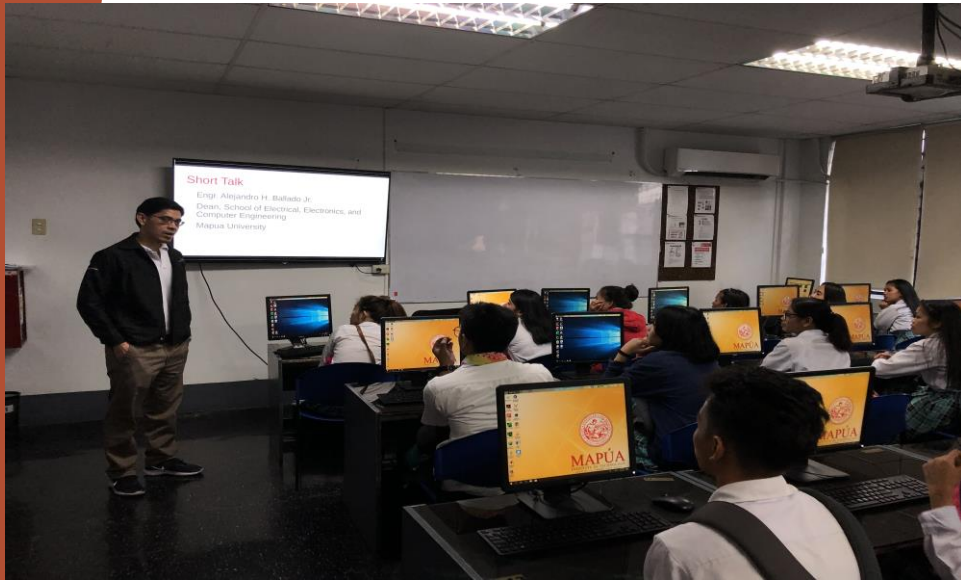
Community House Build through Gawad Kalinga

For several years, the School of Civil, Environmental and Geological Engineering through its faculty members, non-teaching personnel and students have been actively involved in assisting communities like Gawad Kalinga in its house build program. The endeavor aims to promote social awareness, volunteerism and sense of responsibility among its students and employees.

The activities were conducted on the months of March and April 2019. Site visited was GK Village, Escopa, Project 4, Quezon City.



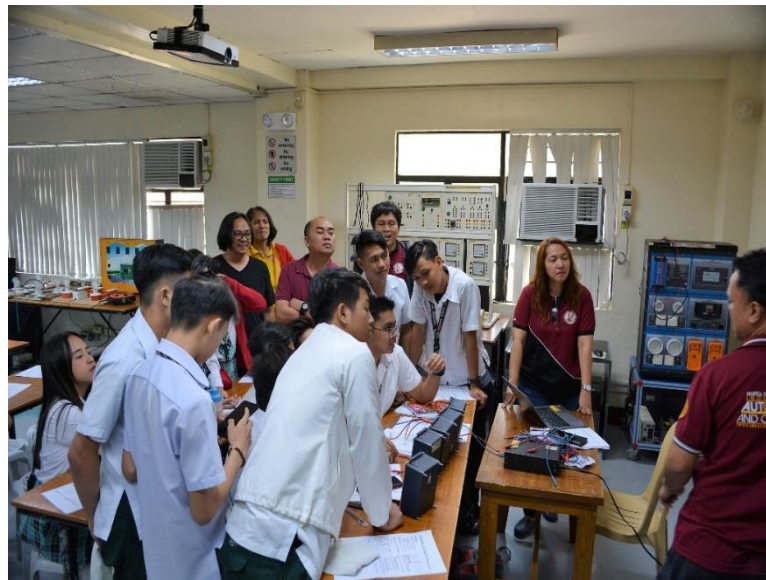
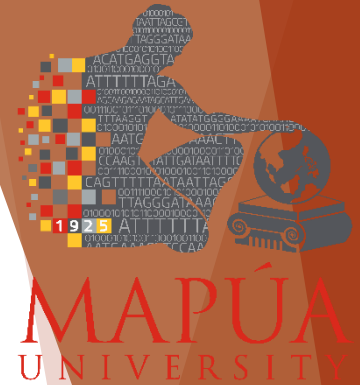
School of Electrical, Electronics and Computer Engineering



Basic Electrical System Installation

Mapua University through the School of Electrical, Electronics and Computer Engineering offered a free seminar on Basic Electrical System Installation on March 14, 2019. Attendees of the said activity were the Senior High School students of Claro M. Recto Senior High School in Legarda, Manila.

During the duration of the activity, the students were given lectures on topics like Theories on Charge, Current and Voltage, Principle of Resistors and Capacitors, and Basic Circuit Theorems. And at the end of the activity, to gauge the learnings of the attendees, a written exam was given.

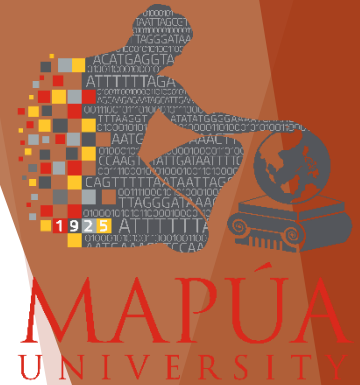




PC Troubleshooting and Networking

Mapua University through the School of Electrical, Electronics and Computer Engineering offered a free seminar for the selected Senior High School students of Claro M. Recto Senior High School on March 14, 2019. The activity aimed to teach the participants the basic knowledge on PC hardware parts and peripherals like basic input/output hardware devices.

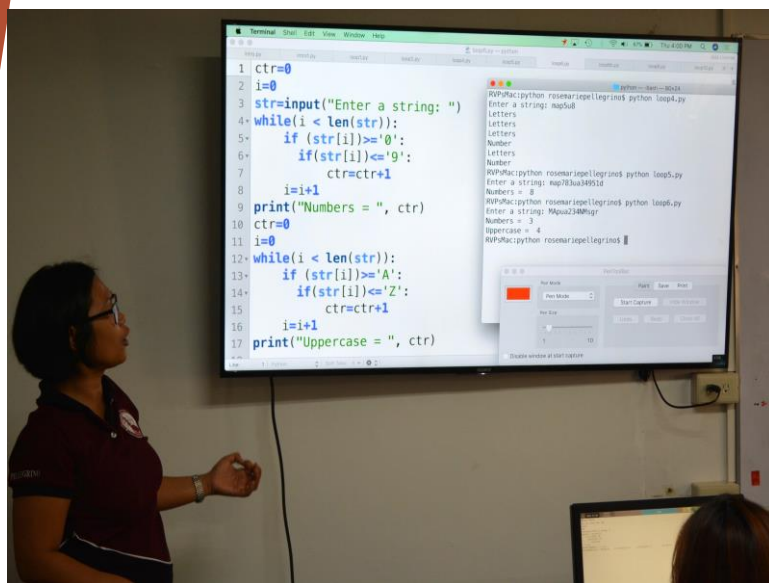
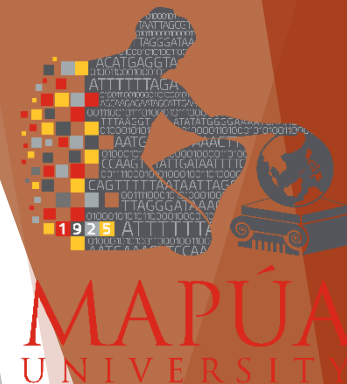
At the end of the activity, to test the knowledge learned by the students, a written exam was facilitated by the faculty of the School of EECE.





Python Application Development

With the recent development in the age of technology, the School of Electrical, Electronics and Computer Engineering of Mapua University decided to offer a free seminar-training to the Senior High School students of Claro M. Recto Senior High School. The activity aimed to keep the students abreast in the latest programming languages used in the industry and be able to differentiate their applications. Since the participants are enrolled under the STEM strand, the seminar will give them an edge in their college.



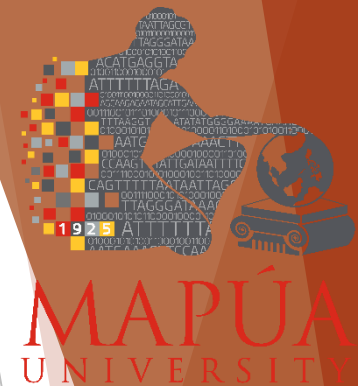
School of Industrial Engineering and Engineering Management



IE-EMG Advisorship Program for Mapua Senior High School

In collaboration with the Senior High School of Mapua University, the selected faculty of the School of IE-EMG came up with the initiative to do a research program which will involve the senior high school students of Mapua University who are under the STEM strand.

The said program aimed to develop the knowledge and skills of the senior high school students in the analysis, development and resolution of problems encountered in various systems.



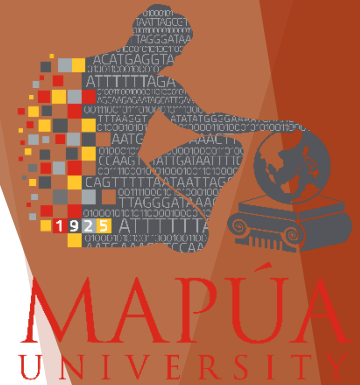
School of Information Technology



E-Marketing Strategies for Business

With the current fad in the online business industry, making one's business available online is a big factor. And with that, the School of Information Technology of Mapua University-Makati Campus initiated a free seminar to all interested residents of Pandacan, Manila to help them boost their businesses through the use of internet.

The one-day seminar which was organized by the faculty members of the School of IT focused on teaching the participants the different platforms being used in selling online. Fabric Conditioner was the product used for the online selling.



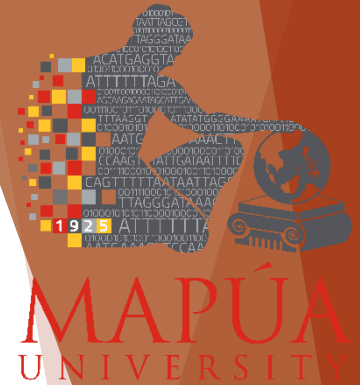
E.T. Yuchengco School of Business and Management



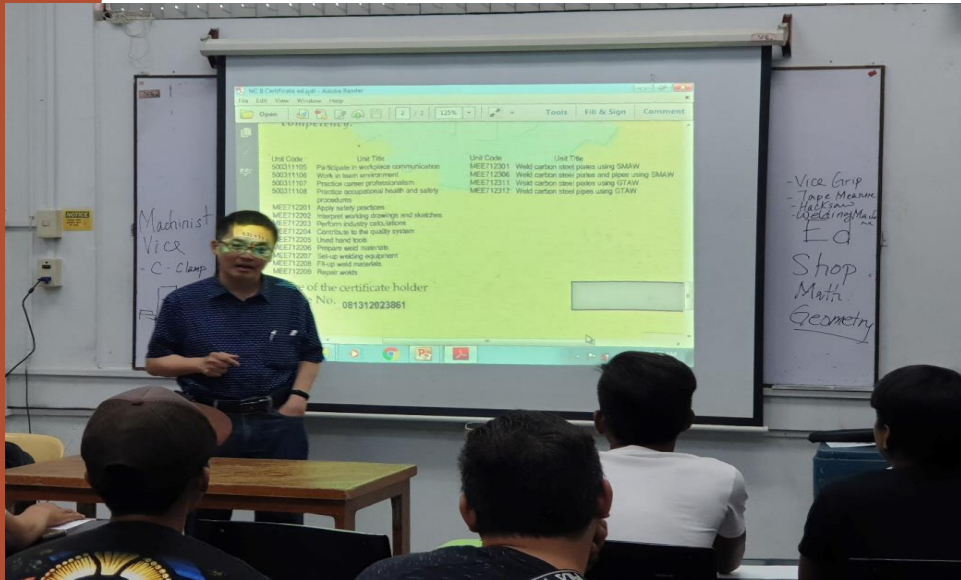
Fundamentals of Marketing in Laundry Making

The ETY School of Business Management of Mapua University-Makati Campus held a one-day seminar on Fabric Conditioner Making and Marketing on April 2019. The activity was participated by the interested residents from Pandacan, Manila.

With the aim to give the community participants a livelihood business, the faculty of the ETYSBM taught the participants the methods in making a fabric conditioner and how they can sell the fabcon through marketing strategies. The topics of the seminar also included basic accounting and branding.



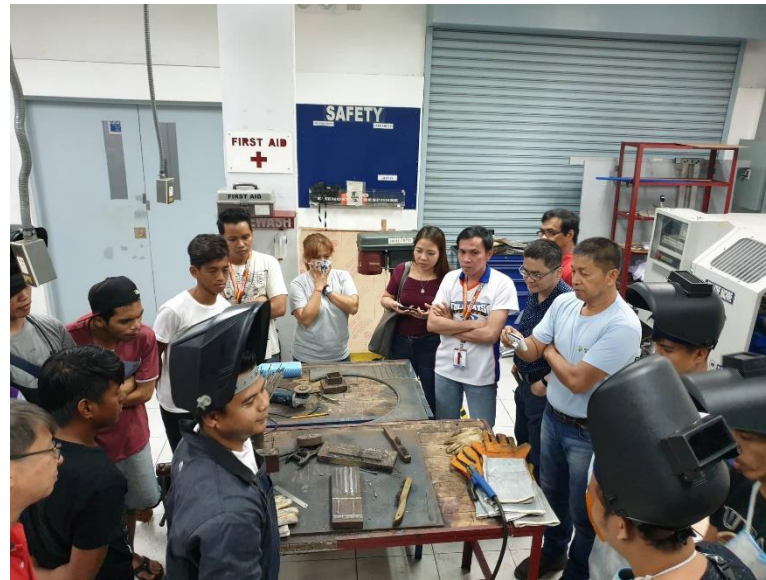
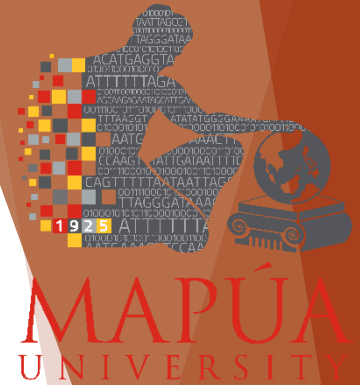
School of Mechanical and Manufacturing Engineering



Welding Seminar, Workshop and Project

A free seminar workshop entitled “Welding Seminar, Workshop and Project” was held at Mapua University last April 13, 2019 which aimed to teach the residents of Mapua’s partner communities in learning the basic skills on Shielded Basic Arc Welding through lectures and hands-on activities.

The activity which was attended by fourteen (14) people was conducted for eight (8) hours. Faculty members, non-teaching personnel and students of the School of Mechanical and Manufacturing Engineering were the organizers, lecturers and facilitators of the activity.



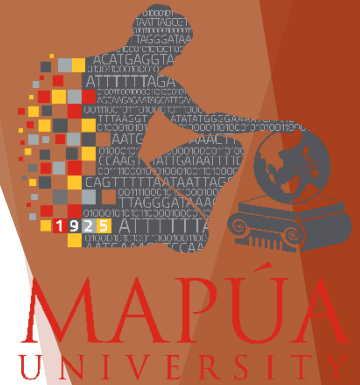
School of Media Studies



Informative Video Campaign on Illegal Drugs

In support to the advocacy of the government to eradicate the problem on illegal drugs, the Mapua University through the School of Media Studies created an informative video campaign to spread awareness on illegal drugs in the community of Pandacan, Manila.

The twenty-minute video on illegal drugs was coordinated with the community barangay officials of Pandacan, Manila. A group of SMS students together with the Office for Social Orientation and Community Involvement Program staff went to Pandacan, Manila to shoot the video presentation.



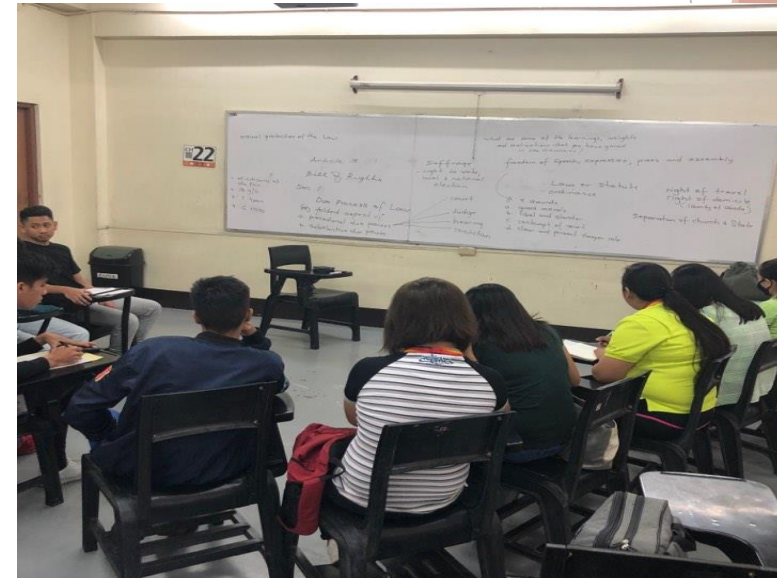
School of Social Sciences and Education



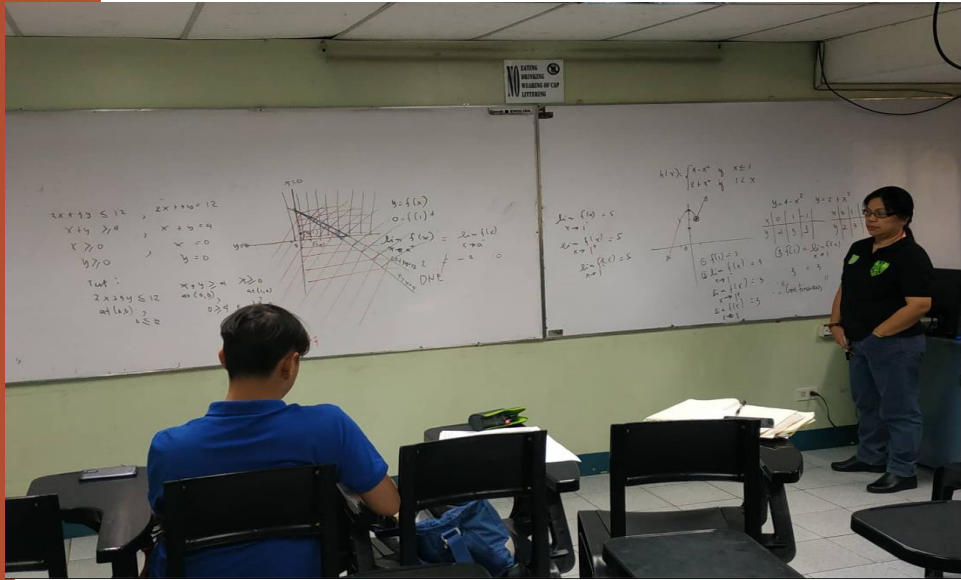
Basic Human Rights and Freedom for ALEAP

To help the learners of the Alternative Learning Equivalency and Accreditation Program, the School of Social Sciences and Education created a program for them to enhance their knowledge on the different topics on Social Sciences.

One of the topics included in the program is teaching the learners basic human rights and freedom to let them understand their rights as a person and to understand the effects of some violations. Learners were also given the chance to share their experiences where their human rights were violated and how they coped up with it.

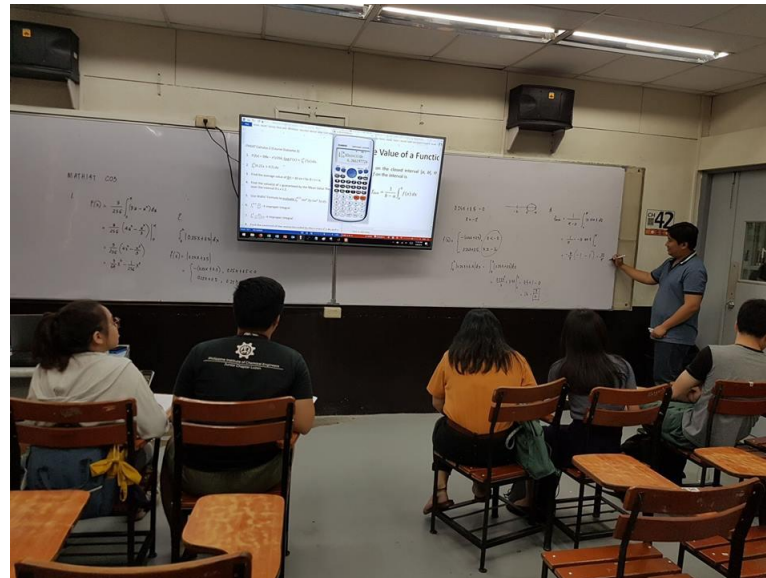
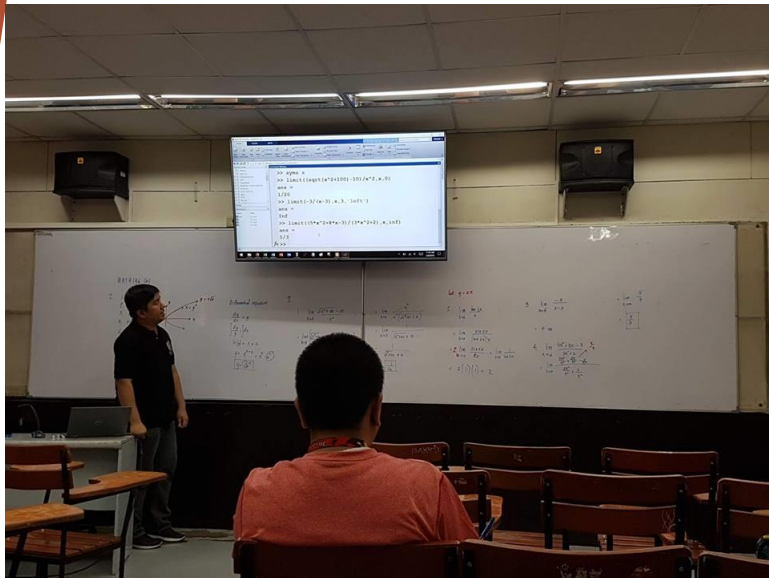
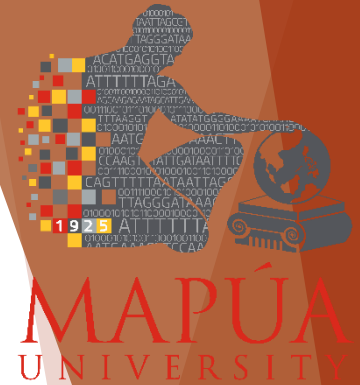


Department of Mathematics



Math Review Program for Mapuans

For several years, it has been the objective of the Department of Mathematics to increase the rate of the students who are passing the Math Exit Exam. And with this, the department continues its effort to give free review program for the Mapuans. The activity also aims to further enhance the skills of the students in solving Mathematical problems and verbal problems.

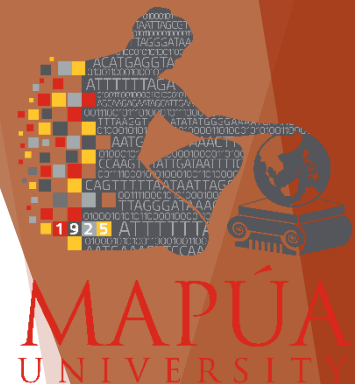




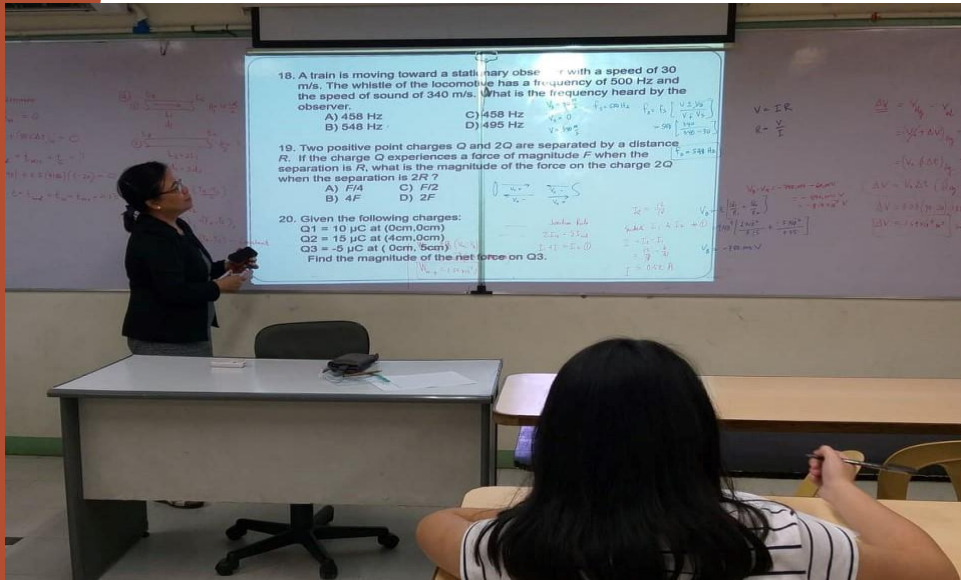
Mathematics Enhancement for ALEAP Learners

To help the Alternative Learning and Equivalency Accreditation Program (ALEAP) students understand further the different topics on Mathematics, the Department of Mathematics held an enhancement program for the ALEAP learners for the whole year of 2019.

This activity was aimed to increase the chances of the ALEAP learners in passing the Alternative Learning System national examination. The review was conducted on Sundays at Mapua University in Intramuros, Manila.



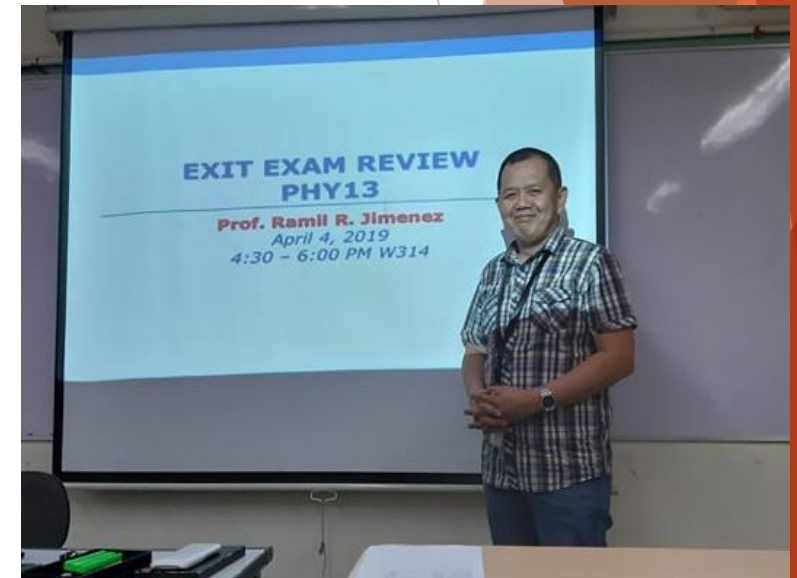
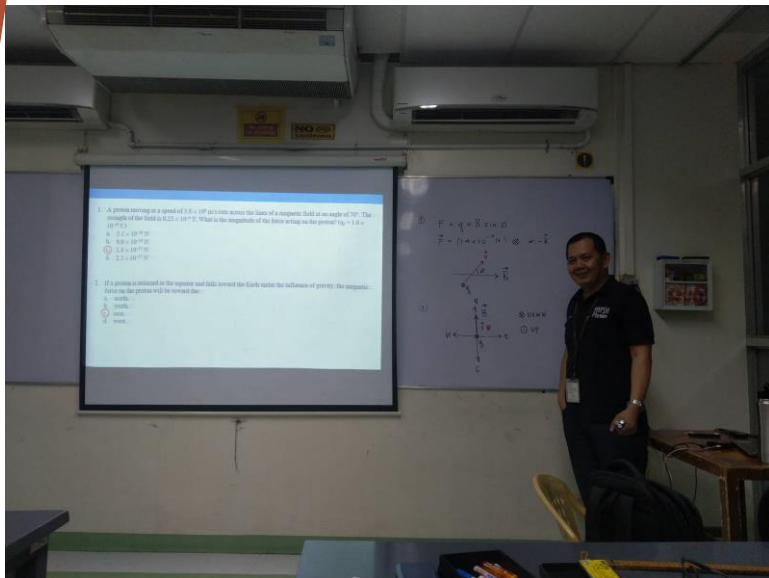
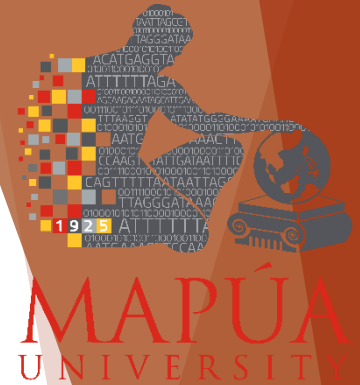
Department of Physics



Free Review Program for Mapuans

With the intention to guide the students of Mapua University in passing taking their Physics Exam, the Department of Physics held a series of Review Programs for 2019. The review program focused on the different Physics concepts and application of those concepts in solving problems.

During the term of the review program, faculty members were assigned on different schedules to assist all interested students.

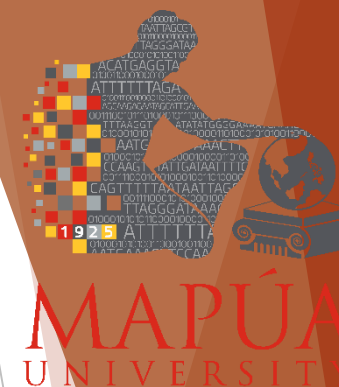




Physics Review Program for ALEAP Learners

To guide the students of Alternative Learning Equivalency and Accreditation Program (ALEAP) on different topics involving Physics and Science, the Department of Physics held a review program which aimed to enhance the knowledge of the students in understanding the basic concepts of Physics.

The activity was held on Sundays at Mapua University in Intramuros, Manila.



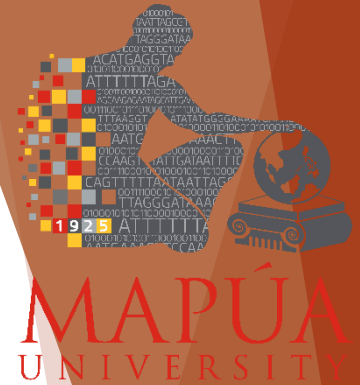
Department of Physical Education



Self-Defense and Combat Training Seminar

Students, administration staff and faculty members of St. Paul University were given a free seminar on Street Crisis Management on February and March 2019. The activities aimed to teach the participants the basic skills on self-defense like basic disarming techniques and arnis techniques.

The training was a special request made by the St. Paul University administration after they had learned that Mapua University has been offering seminars and trainings as part of its outreach program.

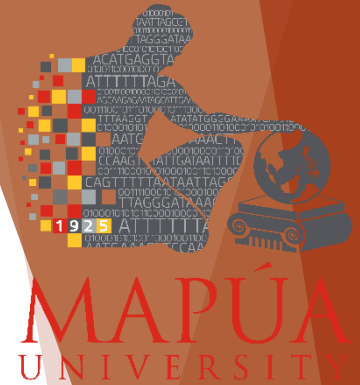




Street Crisis Management Seminar

As part of Mapua University's effort to equip its security personnel with more knowledge on basic self defense, the Department of PE and Athletics offered a free seminar entitled Street Crisis Management: Unarmed Combat Ground Fights and Arnis last January 2019. The activity was attended by twenty (20) security personnel and employees of Mapua University.

The one-day activity involved teaching the techniques on basic Aikido and Arnis as self defense.



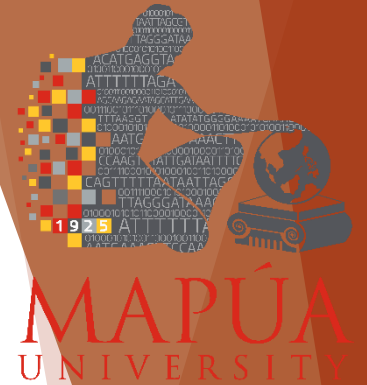
Institutional Activities



Community Conference 2019

The Annual Community Conference serves as a venue for the community and the University to review their past endeavors and to plan future collaborative actions. Starting from 2017 to the present, the University took a stand to contribute to the United Nation's Sustainable Development Goals (SDGs). For the 2019 Community Conference, the University aims to aid the community in coming up with possible policies in relation to the SDGs.

The 12th Community Conference with the theme “SDG and the Community” was held last 22 November 2019 in Tagaytay City. Eighty-six (86) Barangay Officials including seventeen (17) Chairmen discussed community initiatives and its contribution to the SDGs. It focuses on cultivating possible policy ideas and drafting ordinances to further reinforce the SDG initiatives.

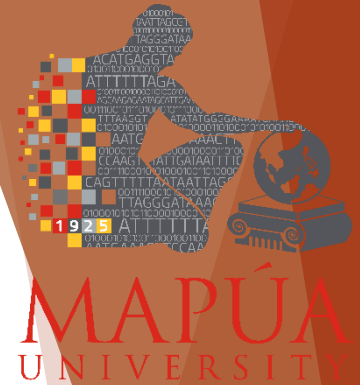




Blood Donation Program

Mapua University has been actively involved in Blood Donation activities in both of its campuses in Intramuros and Makati. The program is a tie-up with Jose Reyes Memorial Medical Center, the flagship hospital of the Department of Health (DOH).

For 2019, two (2) Blood Donation activities were held in both of Mapua's campuses. A total of eighty nine (89) blood bags or 44,500cc were donated to Jose Reyes Memorial Medical Center (JRRMMC). This helped address several illnesses based on the requests of the beneficiaries. To mention, these are low hemoglobin, anemia, pregnancy related issues, dengue, dialysis and cancer related problems.



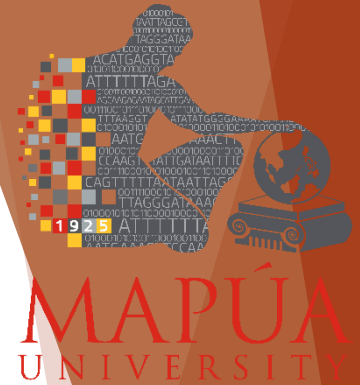
Student Activities



Filipino Values for the Children

The student members of the organization Mapua Institute of Technology Student Catholic Action (MITSCA) conducted a one-day seminar last March 17, 2019 which aimed to promote Filipino values in the new generation of children. The activity was held at Barangay 834 in Pandacan, Manila.

Five (5) important values which are maka-Diyos (god-fearing), maka-bansa (patriotic), maka-tao (humane), magalang (respectful), and mapagmahal (loving) were the focus of the activity. To entice the children's imagination, each Filipino value was explained through story telling. School supplies and snacks were given to all the children after the activity.





Office for Social Orientation and Community Involvement Programs (SOCIP)

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