



RADIANCE 2015

The Official Magazine of SOCIP

INTRODUCTION

Consistent with its Mission and Vision, Mapua Institute of Technology addresses community needs based on program expertise. Through the years, Mapua had offered additional programs to cater global demands. And through the years, more concerns and community needs are addressed.

The extension service initiatives serve as the core which guides the Institute in implementing various programs which are beneficial to the community.



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 be at 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.



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 may be 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.



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.

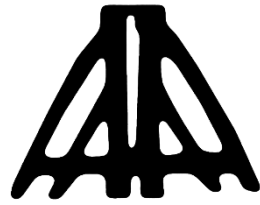


Outsourcing

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.

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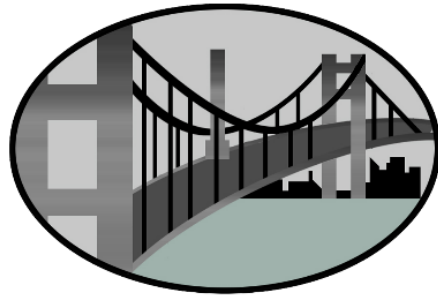
School of Architecture, Industrial Design and Built Environment

ARID-BE Proposes Interior Design for SOCIP Office

Arch. Aristeo Garcia prepared a set of schematic drawings and perspective presentation for the proposed renovation of the SOCIP office. This set of drawings includes floor plan with furniture layout for both ground floor and second floor areas.

It also includes perspective views to show the color scheme of the proposed concept. The output is a 15" x 20" concept presentation board submitted last March 2015.





School of Civil, Environmental and Geological Engineering

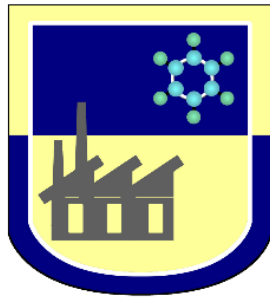
CEGE Participates in Gawad Kalinga and Habitat for Humanity

The School of CEGE participated in several housing projects initiated by Habitat for Humanity and Gawad Kalinga in Metro Manila.

Students from the School of CEGE were tapped to help in the construction of houses in several housing projects of the two urban poor housing organizations.

The students assisted in the sand bagging, gravel bagging, hauling of the CHBs and painting works.





School of Chemical Engineering and Chemistry

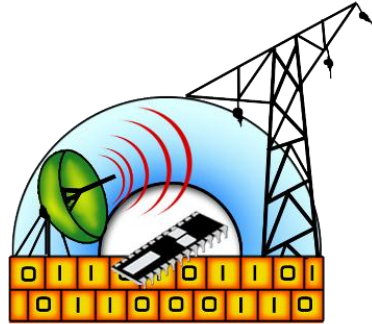
ChE-Chm Spearheads Livelihood Training

The School of Chemical Engineering and Chemistry conducted a free Seminar Workshop on the Preparation of Papaya Soap and Cologne/Perfume for the residents of its adopted communities.

The participants were able to learn proper techniques on how to prepare Papaya soap, including the precautions on how to handle different raw materials (chemicals). The possible suppliers of the chemicals were identified as well as the financial marketing aspects if they opted to make this as their source of income was included in the training.

Papaya soap samples and bottles of perfume prepared were distributed to the participants at the end of the seminar/workshop.





School of Electrical, Electronics and Computer Engineering

EECE Teaches Basic Electronics to High School Students

The School of Electrical, Electronics and Computer Engineering conducted a 3-day Basic Electronics seminar to high school students of V. Mapa High School and Manila High School. Students from IEEE and IECEP assisted the students during the seminar.

The 1st day of training covered the topics on Resistors; Capacitors; Diodes and Transistors; Component Values Reading and Measurement; DMM and Oscilloscope; Power Supply and Diode Rectifiers; Special-Purpose Diodes. The lectures were led by Engr. Joseph Bryan Ibarra, Engr. Julius T. Sese, Engr. Febus Reidj Cruz and Engr. Marianne Sejera.

The 2nd day of training covered the topics on Rectifier, Voltage Doubler, Clipper, and Clamper Circuit. Aside from the discussion of principles, the learners were able to measure voltages and current using the DMM and oscilloscopes. The training used the same trainer boards (FACET) for regular electronics classes. The training was facilitated by Engr. Flordeliza Valiente, Engr. Leonardo Valiente, Engr. Ernesto Vergara, and Engr. Ramon Garcia.

The 3rd day of training covered the topics on Light-emitting diodes, light-detecting resistor, printed circuit board, PCB etching. In the afternoon, hands-on training was done. The day was led by Engr. Glenn Magwili, Engr. Jose B. Cardenas, Engr. Charmaine Paglinawan, and Engr. Marloun Sejera.



EECE Conducts Branch Circuit Wiring Seminar

The School of EECE conducted a 1-day training on Branch Circuit Wiring for the residents of Mapua's adopted community. There were six (6) faculty members who served as lecturers and one (1) laboratory assistant helped in the seminar.

The 1st half of the training was conducted from 8am – 12pm. The following topics were covered: Introduction to Electricity; Basic Electrical Safety; Basic Electrical Wiring Symbols; Basic Wiring Tools; Introduction to Branch Circuits; Selecting Power Receptacles Outlets. Selecting Branch Circuit Conductors; Wire Splicing of Branch Circuit Conductors; Selecting Branch Circuit Raceways; Selecting Splice, Junction, and Utility Box; Selecting Lighting Fixtures and Switches; Selecting Circuit Breakers and Fuses. The lecturers were Engr. Esperanza Chua, Engr. Michael Pacis, Engr. Gerard Ang, and Engr. Gorgonio Vallesteros II.

The 2nd half of training was conducted from 1pm – 5pm. The facilitators conducted a workshop for the participants. The facilitators were Engr. Conrado F. Ostia, Engr. Noel Salalila and Laboratory Technician Rogelio Rivera.



EECE Offers PC Troubleshooting Seminar

The School of EECE conducted the a 1-day activity entitled “PC TROUBLESHOOTING WORKSHOP” on MARCH 7, 2015 at Mapua Institute of Technology, Intramuros Campus. The training was facilitated by 9 lecturers from the faculty of the EECE department and was attended by 20 learners from various barangays in Pandacan.

The 1st part of the training was conducted from 8am – 10am. The following topics covered: Introduction to Personal Computer, Guidelines to PC Troubleshooting, Periprehal connections, Mouse Troubleshooting and Keyboard Troubleshooting. The lecturers were Engr. Cyrel Ontimare-Manlises, Engr. Jose Lazaro, and Engr. Analyn Yumang. From 10am-12nn, the following topics were covered: PC assembly, system case familiarization, power supply familiarization, and hard disk familiarization. The lecturer was Engr. Isagani Villamor.

The 2nd part of the training was conducted from 1pm-4pm. The facilitators conducted the actual PC assembly. The facilitators were Engr. Jocelyn Villaverde, Engr. Carlos Hortinela, and Engr Meo Vincent Caya. Students from IECEP and MICRO helped in setting-up of motherboards and peripherals. From 4pm-5pm written exam was given to evaluate the knowledge they gained for the entire workshop. The facilitators were and Engr. Rafael Maramba and Engr. Dionis Padilla. The learners passed the exam satisfactorily.





School of Industrial Engineering and Engineering Management

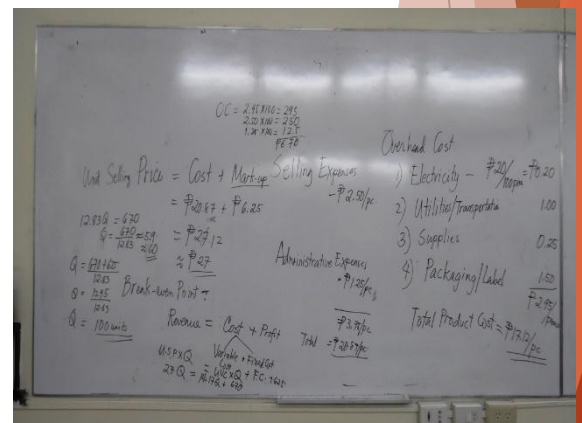
IE-EMG Initiates Seminar/Workshop on Packaging and Marketing of Soaps and Perfumes

To help the community in the marketing aspect of perfume making and soap making, the faculty of the School of IE-EMG initiated a 1-day seminar/workshop on packaging and marketing of soaps and perfumes in Pandacan, Manila.

The activity was attended by the residents of Pandacan who previously attended the livelihood seminar of the School of ChE-Chm.

The lectures covered topics on the concept of marketing, 4Ps (product, promo, placement, price) and marketing tips. Topics also covered financial aspect of soap packaging which includes computation of the direct labor, direct materials, selling expenses, administrative expenses, and overhead cost. Revenue computation, break-even point, and computation of the unit selling price were also discussed.

On soap and perfume packaging, the participants were taught on how to prepare and pack the soaps using the materials provided by the school. They were also trained on how to properly label bottles of perfumes.



IE-EMG Assists DepEd on Continuous Improvement

Three (3) faculty members from the School of IE-EMG were tapped by the Department of Education to be part of the Continuous Improvement (CI) program. These faculty members are Prof. Elisier Fantillo, who handles Region 6, Prof. Grace Lorraine Intal, who handles Cordillera Administrative Region and Prof. Jenalyn Shiegella Yandug who handles Region 2.

The program aims to provide training and coaching for the division heads of respective regions on how to apply the CI methodology in the operation of their divisions. Each division will choose a system improvement project and will apply the 10 steps CI methodology. Thus, these CI steps are being taught to the recipients by the coach and conduct per team advising per week for the successful completion of the project.





School of Information Technology

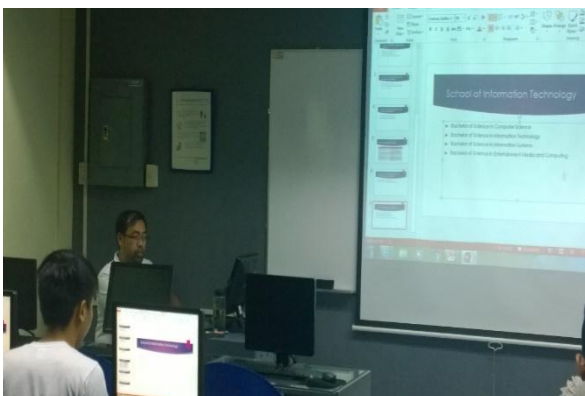
SOIT Continues Computer Literacy Training

The School of IT once again offered a seminar entitled Computer Fundamentals Short Term Course for the residents of Mapua's adopted community.

The lecturers and facilitators presented the topics of navigation, familiarity in the MS Office environment, formatting and using tables in MS Word training. Participants were able to learn how to properly change the format of the text and some designs were applied using Word Art. Page layout and other design concepts helped the participants to be more creative with professional like outcome of the text. The participants saw the importance of knowing how to use MS Word in creating letters and other documents.

The MS Excel training covered the discussion of its environment (cell, rows, columns, tables) and to use the basic functions of the application. Basic math computations were made easy through shortcuts and introduction of functions and formula. The concept of table with rows and columns in computation with the use of keyboard and mouse function (shortcuts, dragging, highlighting) challenged the participants but at the end of the day, everyone learned it. It was a learning experience for both participants and Mapua Makati faculty members.

The MS PowerPoint training presented the slide layout, formatting and inserting images. The participants were very interested with this application since it also includes sounds, animations, transitions and videos. The participants were able to learn how to create a slide presentation with creativity and professional layout.





School of Languages, Humanities and Social Sciences

SLHS holds Seminars for Pandacan, Manila

The School of LHS continued to hold seminars for the barangay officials of Pandacan, Manila.

On September 15, 2017, the School of LHS tapped 2 speakers from the Climate Change Commission to give a seminar on Climate Change. The two speakers discussed the current situation of the Philippines and world environment. They also shared the mandate of the Commission and the different activities they are currently promoting related to climate change issues.

Then on Nov. 7, 2015, the school provided a free seminar on Women Empowerment. The activity aims to orient the barangay officials an overview of RA9262.

To make the seminar more interesting and understanding to the attendees, a video presentation which highlighted specific cases of violations of RA9262 was prepared by the lecturers.



SLHS holds English Camp for CYCU Students

The aim of the CYCU English Camp was to increase the participating students' English proficiency by allowing them to attend lectures and activities that were geared towards the development of language skills.

To assess students' language proficiency level, they underwent pre-English Camp MELT, which was a two-part assessment. For the speaking test, students were divided into groups of three or four and were tasked to discuss a topic for 20-30 minutes; an assessor took note of their scores. For the writing test, students were asked to write an essay about globalization, which they needed to accomplish in 30 minutes.

Students' activities consisted of attending lectures, immersing in SLHS and engineering classes, joining organization activities, and participating in team building activities and cultural trips.

English classes were designed to target all four macroskills, namely listening, speaking, reading and writing. The level of English lessons ranged from easy to average. To demonstrate the skills and competencies they had learned, students were required to take part in major tasks in the form of workshops, presentations, and competitions, oftentimes done at the end of the week.

The post-English Camp MELT was done in the same way as the pre-English Camp MELT. Their scores showed that more than half of those who underwent the program manifested significant language proficiency improvement. The ELC consolidated and documented the students' pre- and post-MELT scores.

At the end of the program, students were issued certificates of completion and post-MELT results.



Psychology Conducts Seminar on Increasing Social Media Skills for ALEAP Learners

The Department of Psychology conducted a seminar dubbed as “Seminar on Increasing Social Media Skills for ALEAP Learners” to the learners of Mapua’s Alternative Learning Equivalency Accreditation Program (ALEAP). The seminar was held last March 15, 2015 at Mapua Institute of Technology, Intramuros, Manila.

The seminar aims to teach the learners on how to properly use their social media accounts to things that are worthwhile and to connect with other people without having to meet someone in person.





School of Multimedia and Visual Arts

SMVA Concludes a Seminar-Workshop on Computer Aided Drafting

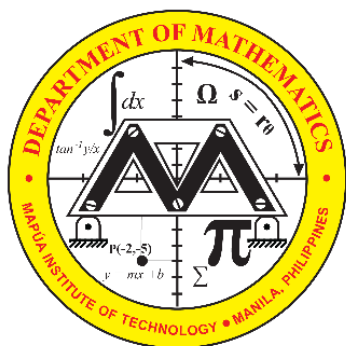
The School of MVAS concluded a 3-day Seminar-Workshop on Computer Aided Drafting (CAD) for the participants of Macabebe, Pampanga. The activity focused on the orientation of a residential building plan and preparation of a Floor Plan and other plans. The training included 2D commands and Introduction to 3D commands.

The first day of the seminar focused on the orientation of CAD interface and lecture basic 2D commands, limits, and practice on the used of commands.

The 2nd day included the continuation of advance 2D commands and focused on the drawing of furnatures and fixtures of the floor plan. It also included the introduction to 3D commands and converted the 2D drawings to 3D views of the participants.

The 3rd day was the last day of seminar-workshop which concentrated on the 3D drawings and introduction of materials used as layers for the drawings.

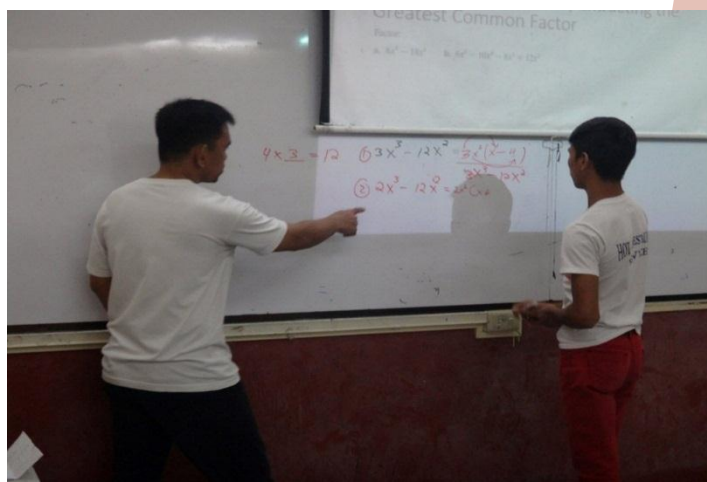




Department of Mathematics

Math Conducts Tutorial Classes for Mapuans

To further enhance the skills of the students in solving mathematical and verbal problems and at the same time help them prepare for the exit exam, which is usually administered on the eight Sunday of the term, the extension service committee of the department conducted five Sundays of extensive review program in Algebra, Trigonometry, Analytic Geometry, Solid Mensuration, and Calculus.

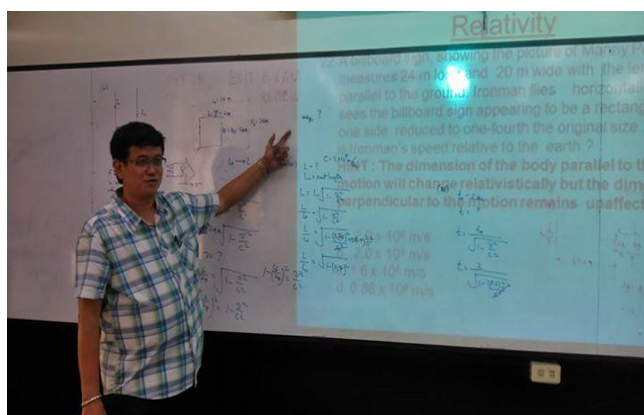




Department of Physics

Physics Offers Tutorial Classes on Physics

The Department of Physics This activity aimed to guide the students on the topics that they need to review in a particular physics course and somehow help them make a recall on the different physics concepts and improve their understanding by applying the said concepts in solving problems. The faculty involved consolidated the topics covered in their chosen physics course, also prepared the review materials and conducted the review class.





Department of Physical Education

PE Holds Zumba and Circuit Training

The Department of PE held a Zumba and Circuit Training for the employees of Mapua from August – September 2015.

The activities were conducted every Monday, Wednesday and Friday at the Mapua gymnasium.

The Dept. of Physical Education and Athletics is now considering to offer a new and peculiar fitness activities for the employees.



Institutional

Mapua Holds Bloodletting

The SOCIP Office continued its Bloodletting Activity for 2015. The activities were in coordination with Jose Reyes Memorial Medical Center, Manila Health Department and the Manila Lion's Club.

The SOCIP office sent email information of the activity to all Mapuans prior to the date of the Bloodletting. Posters and flyers were distributed inside the campus to help in the information dissemination of the activity.

Representatives from the Manila Health Department of District V and Intramuros Health Office also came to assist during the activity.



Mapua Offers Free Seminars for Partner High Schools

Aiming to improve the competencies of high school teachers and students, a two-batch seminar on Continuing Education in Science and Technology (CEST) 2015 was conducted at Mapua Makati Campus.

Spearheading the event, the Admissions Office sent out invitations to partner high schools from NCR, nearby provinces and Middle East Filipino schools. The schools were given the option to choose from 2 schedules. Batch 1 was schedule last April 15 to 17, while Batch 2 was geared to push through last July 8 to 10.



Student Organization - Honor Society of Mapua (HSM)

HSM Conducts Interactive Tutorial

The Honor Society of Mapua conducted an Interactive Tutorial for the children of Brgy. 842, Pandacan, Manila.

The activity aims to provide tutorials on the subjects of Math, English and Science.

The kids were also taught some techniques on how to make learning easier.



Student Organization - PROMAP

PROMAP Conducts Outreach Program

The student members of PROMAP facilitated an outreach project last January 31, 2015 at Barangay 872 Zone 95 in Pandacan, Manila.

The organization gave a talk about micro entrepreneurial for financial stability which was lectured by Prof. Marvin Noroña.

After the activity, the members of PROMAP had a gift giving for the kids of the community.



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