



RADIANCE 2011

The Official Magazine of SOCIP
Mapúa Institute of Technology





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**School of Architecture,
Industrial Design and the Built
Environment
(AR-ID-BE)**



AR-ID-BE Redevelops Estero de San Miguel

The School of Architecture, Industrial Design and the Built Environment (AR-ID-BE) extended its support to the redevelopment of Estero de San Miguel in Legarda, Manila from October to December.

The public work involved site visits, site planning proposals provision, geodetic surveys and coordination with the community leaders. With the community development in mind, the activity served as a collaboration project between the Mapúa faculty, the Urban Poor Associates and the local government of Barangay 412.



AR-ID-BE Supports Minalin Beautification

The School of Architecture, Industrial Design and the Built Environment (AR-ID-BE), in partnership with the LGU of the Municipality of Minalin, spearheaded the development of Minalin's public structures from October 2010 to March 2011.

Focusing on the municipalities' town hall and public fixtures and graphics system, the project was a joint effort of the Department under the supervision of AR-ID-BE faculty members Federico Nicolas and Noel Em Sadicon and Industrial Design student Arthur Ricky Omega.

The design output for the town hall intended to create new identity to the municipality. On the other hand, the public fixtures' and graphics system's design output intends to organize the instruments in order to visually relay the essence of the town to every visitor.

**School of Civil,
Environmental and Geological
Engineering (SCEGE)**

SCEGE-GK Ties up for Housing Project

“Land for the landless, homes for the homeless and food for the hungry.” That’s Gawad Kalinga’s goal in fighting poverty in the country.

The School of Civil, Environmental and Geological Engineering (SCEGE) has once again extended its passion to help by supporting the cause of Gawad Kalinga (GK) last May 31 and September 13. Faculty members and students from the department went to Baseco Compound, Port Area, Manila and Pasig Line St., Sta. Ana, Manila, respectively, to help in GK’s housing project development.

GK Management Team Representatives Toby Madayag and Carlos Lopez, together with the residents and leaders of the GK



Community, welcomed the group upon arrival at the Baseco Compound Port Area site. Madayag gave an overview about Gawad Kalinga, while, Mr. Jun Valbuena, Project Director, and Mr. Rogelio Mabinis, a Kapitbahayan Leader, gave a brief orientation on how GK Baseco Community was established.

Present in the event were Engr. Flor Villasenor, Engr. Divina Gonzales, Engr. Edgardo Cruz and Engr. Melchor Pilones who donated tools for the site beautification activities. Together with the participating students, they assisted in painting, cleaning and clearing activities on the site.



The Pasig Line Project paved the way for Cardinal student volunteers to CHB wall construction and wall painting activity. Engr. Bernard Villaverde supervised the group and gave safety precautions on those who climbed up and painted the wall through the scaffoldings. Engr. Lou Ridad helped students in the clearing and cleaning of the front yard of the school, while Engr. Bong Santos assisted in the hauling of back fill materials and the clearing of the area.

All of the Cardinal participants showed their commitment to the cause amidst challenging conditions. The activity ended when the GK leaders and residents expressed their gratitude to the volunteers.



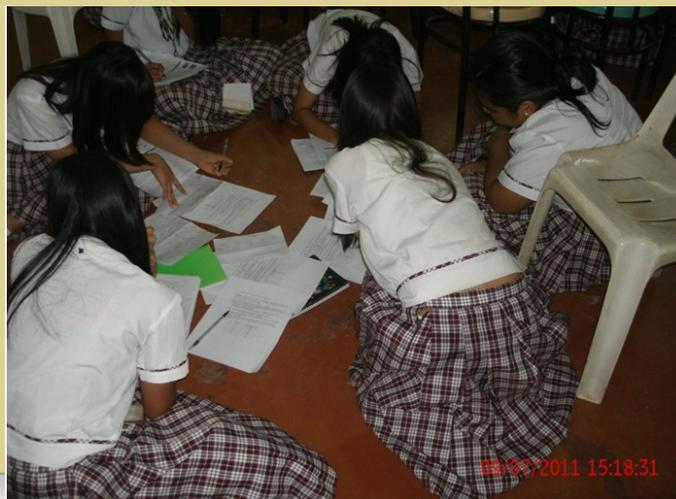
**School of Chemical Engineering
and Chemistry
(Che-Chm)**



Che-CHm conducts Review Lecture

The School of Chemical Engineering and Chemistry (Che-Chm), together with Social Orientation and Community Involvement Program (SOCIP), held a Science Review for High School students in Polytechnic University (PUP) High School in Sta Mesa, Manila last September 17. One hundred participants attended the Science Review entitled *Lecture in Chemistry*.

The class focused on the basic principles of Stoichiometry and Gas Laws. The students were gauged via tests conducted prior and after the discussions. The event ended with a class evaluation from the students, resulting to an average of 4.86 out of 5.00.



Che-Chm Teaches Livelihood Program

The School of Chemical Engineering and Chemistry (Che-Chm), in association with Philippine Institute of Chemical Engineers-Junior Chapter MIT (PICHE-JCMIT) and Chemistry Society (CHEMSOC) volunteered to conduct three free workshops last February 12. Entitled Preparation of Perfume, Preparation of Detergent Powder and Preparation of Liquid Dishwashing Soap, the seminars were conducted in Brgy. 875, Zone 95, Pandacan, Manila.

Thirty-six residents participated in the activity. Attendees were given with handouts enumerating the ingredients and materials needed for the perfume, detergent powder and liquid dishwashing soap preparation. Furthermore, procedures, sample costing and supplier listings for the materials were provided.

The event ended with an event evaluation from the participants. The rating given to the program conducted by the School of Che-Chm resulted to a 4.838 out of 5. Feedback were also given to provide the department a basis for future improvement.



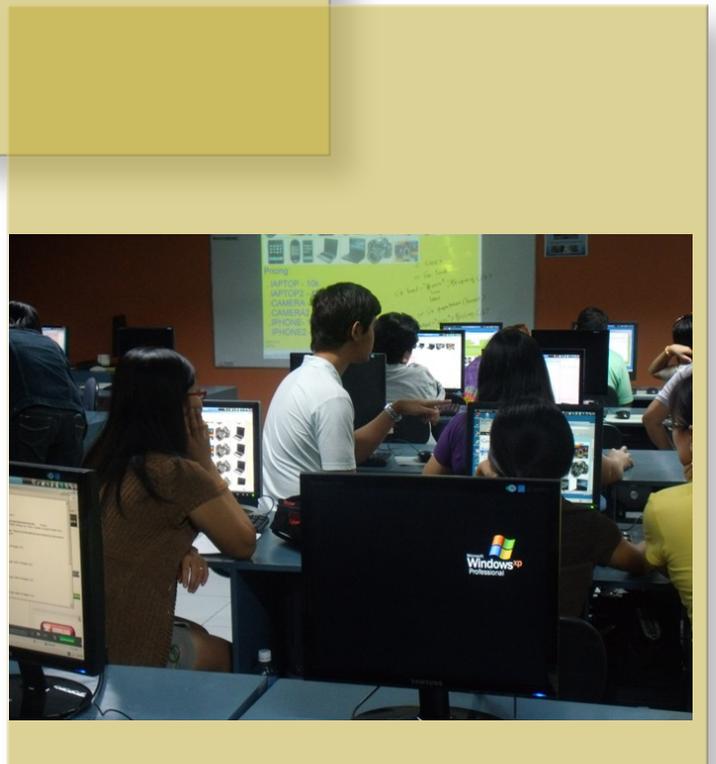
School of Information Technology (SOIT)



SOIT Sets Web Training Series

Thirty teachers from Bagong Barangay Elementary School in Pandacan attended the Internet and MS Office training given by the School of Information Technology (SOIT) last February 5, 12, 19, and 26 at the Makati Campus of Mapua Institute of Technology.

The training equipped the participants with tools that they can use in their teaching profession. Day 1 showcased Prof. Elcid Serrano of SOIT teaching the teachers how to use the internet. The succeeding meetings were devoted to the basics of Microsoft Word, Excel, and Power Point courtesy of Engr Eira Camus, Eng. Mary Christine Tomas and Larry Vea.





Supporting its previous training, SOIT launched the Web Page Development Training held last November 5 & 12, 2011 at MIT's Makati campus.

Under the tutelage of Engr. Eric Blancaflor, and Mr. Ephraim Canete of SOIT, the participants were taught how to conceptualize and create a web page. They were also given a background on how a website is developed and a chance to gain a higher level of understanding of websites through a forum.

Other faculty members who helped facilitate the training were Prof. Mideth B. Abisado, Engr. William P. Rey, Engr. Darwin Saludez, Engr. Cheryl Mari Isip, and Prof. Mary Jane C. Samonte.

Department of Earth Science and Engineering (DESE)



DESE Promotes Geohazard Literacy

The Department of Earth Science and Engineering (DESE) conducted a seminar on Geohazard Awareness and Preparedness for the Sanguniang Kabataan representatives of Pandacan, Manila and the third year high school students from San Beda College Alabang last February 23 at Mapúa-Intramuros Campus.

Aiming to increase the awareness and preparedness of the Institute's adopted community on the possible effects of geologic hazards, the seminar tailored its lecture for the third year high school students under their physical sciences track who requested a visit in the Institute's campus and a lecture on the said topic.

Prof. Marianne Fernandez, Prof. Ma. Elveta Comsti and Dr. Maybellyn Zepeda served as the resource speakers of the event.

The symposium concluded with a forum and a distribution of educational geohazard posters to the participants.



**School of Electronics, Electrical,
and Computer Engineering
(Ee-EE-CpE)**



Ee-EE-CpE Spearheads Technical Workshop

The School of Electronics, Electrical, and Computer Engineering (Ee-EE-CpE) spearheaded its Extension Service Programs to Mapua's adopted community in Pandacan, Manila. Sponsored by Institute of Electronics Engineers of the Philippines (IECEP), the Automatic Voltage Regulator Seminar was held last Oct. 22 to November 26. On the other hand, Junior Philippine Computer Society (JPCS) launched Branch Circuit Wiring Seminar last July 30 to September 3.





Both programs ran for six weeks. During the program's respective week 1, Mapuan lecturers gave the participants insights on basic electronics and electronic devices. Students from different Ee-EE-CpE academic organizations provided assistance in tending to the needs of the participants. Throughout the program, faculty and students went hand-in-hand in teaching the participants and tending to their needs.

The EECE Extension Programs were concluded on the 6th week with a written exam and evaluation administered by Engr. Mary Ann Latina and Engr. Joseph Bryan Ibarra during the Automatic Voltage Regulator Seminar, and Engr. Noel Salalila, Engr. Ramon Garcia, and Engr. Jose Cardenas on the Branch Circuit Wiring Seminar.

School of Industrial Engineering and Engineering Management (IE-EMG)

Mapua Continues Tie-up with Brgy. 830

As part of Mapúa's commitment of providing sustainable technical extension service to Pandacan Communities, a Business Project Review of the Brgy. 830's livelihood programs was conducted by the School of Industrial Engineering and Engineering Management (IE-EMG) last March 24. Dr. Ma. Cecilia Carlos and Prof. Ma. Cecilia Cruz led the event.

Aiming to identify the status of present operations based on the recommendations given during the previous review, the revalidation activity determined what are the other services and assistance the School can provide to the community. The barangay's Botika ng Bayan and Panahiag Pangkabuhayan received feedback to increase its productivity.

The event ended with the School and the community agreeing to continue their entrepreneurial tie-up with Mapúa via student project-assisted marketing programs and technical seminars provision to the barangay.



IE-EMG Continues Training on Bookkeeping

The School of Industrial Engineering and Engineering Management (IE-EMG) conducted the Bookkeeping and Accounting training to the members of 3P's (Patahiang Pangkabuhayan ng Pandacan) last September 7. The event served as part of the implementation of the project review made last March regarding the needs of the community,

Prof. Elisier M. Fantillo developed the content and facilitated it with Prof. Emmie S. Bio and Prof. Madel Delfin. The trainings provided in the activity include lectures on Accounting Concepts, EXCEL Software tutorial in Applying Accounting Concepts and various technical workshops.

The event concluded with a forum regarding the challenges their cooperative encountered from an organizational development perspective.



Department of Multimedia Arts and Sciences (MAS)

MAS Supports Filipino Week

The Department of Multimedia Arts and Sciences (MAS) assisted the Samahang Sining at Kultura ng Pilipinas, Inc. (SSKPil) in covering their Mutya ng Wika 2011 throughout the month of August. The department's main task was to conduct the photo and video shoot of the whole event.

SSKPil is an interest group based in Pandacan, Manila. The organization aims to promote nationalism among the youth in particular, and the Filipino language in general.

MAS Bridges Gap

The Department of Multimedia Arts and Sciences (MAS) launched a series of tutorials regarding the basics of Adobe Photoshop entitled Bridging the Gap: Computer Literacy Program last May 8, 15, 22 and 29.

Municipal employees and SK officials attended the seminar. Topics discussed included Adobe Photoshop workspace navigation, program documents utilization and tools familiarization.

MAS Conducts Training to Trainers

The School of Multimedia Arts and Sciences (MAS) conducted a series of Seminars and Workshops from November 28 to December 5, 2010. Sponsored by Korphil and Nepaserve, the training workshop aimed to provide training for would-be Multimedia Arts Trainers. These trainers will teach in various communities in San Mateo, Montalban, Kalookan, Quezon City, Manila, Pasig, Marikina, Angono and Taguig.



The event covered topics which include basic skills and tools training with the computer and imaging software applications, design concepts on vector art composition and image editing and manipulation.

Korphil IT Center is a IT facility mandated to undertake initiatives to “bridge the digital divide” and make ICT available to all economic classes. Nepaserve is a provider of “tangkilikan” techno-cultural solutions to enterprises, LGUs and communities. As part of their initiative, they aim to provide employment opportunities to various communities through education in Graphic Arts, Animation and Design (Multimedia Arts).



Mathematics Department



Math Dept Launches HS Review Program

The Mathematics Department, through its extension service committee, spearheaded a series of review programs to various committees.

Last January 17, the Math Department conducted a review program for basic engineering students enrolled in MATH123. The lecture aimed to help the students prepare for the exit exam on the said subject. The program ended last February.

Polytechnic University of the Philippines Laboratory High School (PUPLHS) served as a venue for two review programs conducted by Mapúa's Math department last February 18 to 19, and August 26. One hundred forty-seven high school students attended the February review in preparation for the March 2011 National Achievement Test. On the other hand, senior high school students attended the August lecture for the 2011 National Career Assessment Examination (NCAE).



School of Mechanical Engineering (ME)

ME Spearheads Fabrication Workshop

The faculty of the School of Mechanical Engineering (ME) conducted the Basic Arc and TIG Welding Workshop last February 23 and 26 at the adopted community of Mapúa in Pandacan, Manila.

Aiming to educate the participants on the basics of Shielded Arc Welding and TIG Welding through lectures and hands-on training, the seminar attracted eight participants in its 2-day activities. Engr. Alfredo C. De la Cruz, Engr. Jose Hernandez, Engr. Jose Bechayda, Engr. Igmedio Isla, Jr and Engr. Rofuat Lu provided the lectures and hands-on training to the participants.



**San Lorenzo Ruiz School of
Health Sciences
(SLR- SHS)**

Mapua Extends Medical Mission

The Social Orientation and Community Involvement Program (SOCIP) Office, together with the San Lorenzo Ruiz School of Nursing, conducted a Medical Mission at Barangay 872 Zone 91 in Pandacan, Manila last May 21. Volunteer doctors from the Manila Health Department District V, through the generosity of Dr. David Pinto, were tapped to make the activity a success. Aside from the said doctors, Dr. Ymir Garcia of the School of ChE-Chm also volunteered in the activity.





Barangay Chairwoman Hon. Lorena Engracial prepared the arrangements for the venue of the event. As part of the activity, the Mapua contingents were divided into 3 groups with their respective tasks – registration, which was handled by the Extension Service Coordinators; pre-assessment of patients, which was handled by the School of Nursing students under Prof. Ana Liza Manzanias and Prof. Dexter Ramos; and pharmacy, which was handled by the SOCIP staff.

After the program, the doctors were given tokens of appreciation for their support to Mapua's extension service projects.

Physics Department



Mapua Conducts Review Lecture to High School

The Department of Physics, through its Committee on Extension Services, conducted a review-lecture in Physics to the fourth year students of the Polytechnic University of the Philippines (PUP) Laboratory High School in Sta. Mesa Manila last August 19. The primary objective of the activity was to enrich the knowledge of the students in Physics and to prepare them for their college admission examinations.

A total of 130 fourth year students comprised the group. As part of the program, the participants were further divided into two sub groups of 65 students. Class lectures were conducted in a parallel in order to maximize the time allotted for the whole program.



Engr. Bobby Manlapig and Ramil Jimenez served as the lead lecturers in the activity. On the other hand, Engr. Fe Novida and Julia Cuan led the distribution of hand outs, administration of the post-tests and evaluation of the activity by the participants. After the lecture, a post-test was administered to measure if there is a learning that took place.

Four members and officers of the Physics Society of Mapua also joined the group. They assisted the faculty lecturers during their presentation and documented the entire proceedings. They also assisted the faculty members in the conduct of the evaluation of the activity by the participants.



Physical Education Department



PE Teaches Cardinal Self-Defence

Mapua Physical Education Department launched Street Crisis Management Series to different communities in the Metro.

Different barangays in Pandacan, Manila received the initial salvo of the training workshop last September 17. Brgy. 865 Zone 94, Brgy. 836, Zone 91 and other barangays supported the event. Disarming and pinning techniques of weaponed assailants were taught.

The Mapuan community in the Makati campus also received the training workshop last November 12. With Prof. Rodelio Kalaw as program facilitator, the demonstration served as an outlet for participants to learn the basics and to practice the art of self-defence.



School of Languages, Humanities and Social Sciences (SLHS)

Mapúa Conducts SLHS Seminar Series

The School of Languages, Humanities and Social Sciences (SLHS) conducted a series of seminars to Mapúa's adopted community. The objective of the lecture was to technically equip the participants for the betterment of their service to their community.

On Writing

Day 1 of the lecture series included a lecture on how to improve one's writing skills. Led by Dr. Gertrudes Dapia and Prof. Florinda Barquilla of SLHS, the seminar discussed tools and techniques in writing an effective meeting minutes.

To synthesize the event, a forum was opened to discuss the participant's learnings during the event. After the discussion, an evaluation of the activity was conducted.



On Higher Education

Sponsored by SLHS, a review session in English was conducted for 3rd year high school students scheduled to take the National Career Assessment Examination (NCAE). The review focused on subject verb agreement component. The reviewers prepared materials to be used.

One hundred students attended the review. The event utilized a classroom set up to achieve its objective of providing a refresher course to students. An exam was conducted to conclude the lecture program.



On Public Speaking

Prof. Francis Orque and Prof. Jarvis Ong led the seminar on public speaking. Key points were raised to promote public speaking to the participants. Strategies were also given to improve on the art.

An event forum and evaluation closed the event for the participants and the organizers.





On Beauty

The Humanities Cluster of SLHS, headed by SLHS Service Coordinator Prof. Gil Astrophel B. Orcena, Cluster Chair Prof. Vilma L. Severino, shared its expertise on Let's Talk About Beauty Tips with the students of Carlos P. Garcia High School, Pandacan, Manila last February 16

Prof. Joel Arman C. Francisco launched the event with his introduction speech on Mapuan diversity. The seminar proper focused on the components of the vital parts of man by Dr. Beulah U. Palma, Prof. Marilou C. Evangelista, Prof. Wilma N. Hamilton, Prof. Matilde B. Bangoy, Prof. Geraldine L. Canlas and Prof. Wilna R. Bantay.

A pledge of commitment ensued followed by a forum and an evaluation of the activity to assess the impact of the seminar on the students.

On the English Language

The English Language Center (ELC), in cooperation with the School of Languages, Humanities, and Social Sciences (SLHS) and the Office of Student Affairs (OSA), facilitated this year's CYCU English Camp.

The primary objective of the English Camp was to increase the participating students' English proficiency by requiring them to attend English classes specially designed to meet and improve their current language level. This objective is met by immersing them in different non-English classes, introducing and engaging them in various student organizations in Mapua and allowing them to experience outdoor activities.

Initially, the CYCU students underwent the pre-English Camp MELT whereby for speaking MELT, students were grouped and assessed by assigned English teachers. For the writing MELT, students were given writing sheets containing the test prompt. The post English Camp MELT was done in the same fashion as the pre-English Camp MELT.

The culmination of the English Camp was done by providing them with the numerical and interpreted results of their post English Camp MELT and by awarding them their certificates.

Social Orientation and Community Involvement Program (SOCIP)

Mapúa holds Bloodletting

In line with the Institute's yearly activity, the Office for Social Orientation and Community Involvement Program (SOCIP) initiated bloodletting events this year last June 7 and November 28, both at the Student Pavilion of Mapúa – Intramuros.

The June bloodletting was held in coordination with the Jose Reyes Memorial Medical Center (JRMMC) which served as the group's Bleeding Team. Headed by Dr. David Pinto, the Manila Health Department (MHD) – District V was also present in the program

A total of 34 blood donors participated in the event.

For the second time this year, JRMMC served as the group's Bleeding Team, and MHD – District V and the Manila Lions Club assisted in the November event. Also present during the activity were the Mapua's Guinhawa Scholars. They helped the SOCIP Office in disseminating information to the Mapúa community about the benefits of donating blood.

Eighty-four volunteers donated in the bloodletting.



Cardinals Support Continuing Education

With continuous improvement in mind, the Office for Social Orientation and Community Involvement Program (SOCIP) spearheaded academic extension services for different high schools in the Metro. Together with other Departments of the Institute, SOCIP conducted various activities to promote Mapúa as the Institute of choice for tertiary technological education.

Experience is the best teacher

The Admissions Office led the whole group in the implementation of the Mapúa Summer Experience last April 5 to 7. Work assignments were distributed among participating Mapúa Schools and Departments which included Psychology, Multimedia Arts and Science (MAS), Physics, Chemical Engineering and Chemistry, Departments, Information Technology.

One hundred fifty eight (158) private high schools were identified to be part of the activity. Prior to the event, 38 out of the 158 invited high schools pre-registered for the seminar.





Practice makes perfect

Aiming to improve the quality of inputs into Mapúa programs, SOCIP held the Continuing Education in Science and Technology (CEST) 2011. The activity had two batches to accommodate more students in the extension service.

Spearheading the event, the Admissions Office sent out invitations to 158 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 scheduled last April 12 to 14, while Batch 2 was geared to push through last July 19 to 21. Twenty-nine out of the 158 invited high schools pre-registered for the first batch, while 35 opt to go for the second batch.

The seminar-workshop focused on providing lectures on Chemistry, Physics, Mathematics, and Computer Science. The lectures aimed to assist partner high schools in improving the competencies of teachers and students through continuing education on key areas of science and technology. It also served as a promotion of Mapúa Makati programs.

SOCIP initiates Relief Programs

The Office for Social Orientation and Community Involvement Program (SOCIP) conducted relief distribution programs to different parts of the country. Driven to provide institutional assistance and calamity aid, the Mapúan community launched their support plan to various communities in need.

Assistance for Goodwill Maintenance

The SOCIP Office went to the Alay ng Puso Foundation located at Del Pan, Manila last November 8 to donate relief goods to the children of the said foundation. The visit aims to provide assistance to the organization's programs and supplies needs.

Headed by Sr. Christeta, M.C., the Sisters of Charity (SoC) gave the Mapúan volunteers a background on their charity. As part of building the relationship between both institutions, the visit group toured the foundation facilities and met the children who are presently under their custody.



Aid for Calamity Survival

Mapúan volunteers went out of their way to extend their support to different communities affected by typhoons throughout the year. Damaged by Juan, Pedring, Quiel and Sendong, deranged areas served as key points for SOCIP's donation program.

The Cardinal volunteers went to six elementary schools in Ilagan, Isabela last January 13 to distribute school supplies to the residents affected by super typhoon Juan. The group visited Ilagan West Central, Bagong Silang, Pilar, Malasin, Pilot, Carikkikan and Mangcuram Elementary Schools for the supplies distribution. A total of five hundred seventy four (574) school supplies were donated to the schools.





Mid-year came in and brought typhoons Pedring and Quiel that incapacitated Bulacan and left hundreds of families homeless. The SOCIP Office, together with the Mapúa's School of Nursing and resident doctors of Manila Central University (MCU), conducted a Relief Operation and Medical Mission last October 16 and 27. A total of 578 packed relief goods were distributed. On the other hand, a total of 106 residents were able to benefit from the free medical check-up.

Thousands of Filipinos ended the year in calamity and became homeless after Typhoon Sendong challenged various provinces in the region of Mindanao last December. Responding to calamity, the SOCIP Office called for help from the Mapúan community last December 21. A total of 28 boxes of items and Php 44,000 were gathered and delivered to the provinces of Iligan and Cagayan De Oro.

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Mapúa Institute of Technology

2011
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