



MABALACAT CITY COLLEGE

CLIMATE CHANGE PLAN 2020



Contents

Introduction.....	3
I. Executive Committee Initiatives.....	5
Annual Climate Change Action Planning Policy	5
College Policy on Waste Management	6
Policy on Compostable Wastes and the Prohibition on Incineration of Garbage in the College Premises.....	7
Electricity Conservation Policy	9
Policy on Paper Use Reduction	9
Policy on Plastic Use	12
Integration of Climate Change Issues in MCC102.....	13
Policy on Mandatory Tree Planting for Graduating Students.....	13
II. Management Committee Initiatives	15
Padyak para sa Kalikasan: MCC Cycling Enthusiasts Activities for College Students and Employees.....	15
Use paper with care: THINK BEFORE YOU PRINT!	15
Breaking Free from Plastics: Walang Plastikan sa MCC	16
Earth Warriors Awards	16
MCC Circle.....	16
MCC Kaluguran.....	17
MCC Pa-Arbor.....	17
MCC Tanaman.....	18
MCC Carpooling Campaign	18
MCC Daily Earth Hour.....	19
Environmental Science OBTL Revision.....	19
MCC Environmental Protection Seminars	19
MCC PCEP	20
III. Student Body Initiatives	21
MCC ABE: Seminar Workshop for Repurposing Single-use Plastics	21
Plastic-Free MCC Campaign	21
Ingat Yaman, Ingat Ng Kabataan Para Sa Kinabukasan	21
Educational Discussions for the Indigenous People	22
Conclusion	23
Annexes	24

Introduction

Over the decades, climate change has grown to become a global concern. The unnatural impacts of climate change present challenges for the present and the future, therefore undeniably causing disruption that is often catastrophic to human lives. This means that everyone has a role to play in reducing, if not completely eradicating, the effects of climate change in our communities. Likewise, MCC plays a significant role in addressing issues arising from this phenomenon by taking action and, as an educational institution, by imparting knowledge to students and encouraging them to proactively take actions themselves.

With this, MCC held its first ever climate change action planning in November 2020. The event was attended by the Executive Committee, Management Committee, Student Supreme Council and the Editor-in-Chief of the student publication. This aimed to encourage active participation of the academic community in coming up with solutions that are designed to combat the effects of climate change and bring awareness to the academic and local community. As a matter of fact, the partnership of the MCC administration and the student body is evident in the Memorandum of Agreement between these parties, attached herein as *Annex “A.”*

Institutional policies were made with the primary purpose of reducing the College’s overall carbon footprint. The administration and student body joined together to consistently improve and create impactful environment-centered programs. Policies were created aiming to manage, and even lessen paper and plastic use. Other policies aim to effectively regulate and manage waste that goes in and out of the campus. Another was made to reduce the overall electricity consumption of the institution as well. Not only that, some of the policies were created to instill in students the drastic effects of climate change, thus allowing them make changes in their own little ways.

In addition, environmental programs, campaigns and seminars were proposed targeting MCC employees, students, and local communities in Mabalacat City. The Management Committee proposed a program, “MCC Padyak para sa Kalikasan,” consisting of several cycling activities for students and employees. The Committee also proposed “Use paper with care: THINK BEFORE YOU PRINT!” which by itself, encourages everyone in the MCC community to be mindful of their paper usage. Aside from that, the Committee also encourages the MCC community to commit to becoming a plastic-free campus with the project, “Breaking

Free from Plastics: Walang Plastikan sa MCC.” Another is the awarding of those who exert exceptional effort in preserving and protecting the environment.

The Health Services Unit also proposed various projects, including MCC Circle, MCC Kaluguran, MCC Pa-arbor and MCC Tanaman. Several initiatives were also put forward by the HRMO Unit, such as the MCC Carpooling Campaign and MCC Daily Earth Hour. Leaders from the Academic Affairs proposed several plans such as the MCC PCEP, revision of the OBTL Plan for Environmental Science, and conducting environmental protection seminars.

Student leaders also proposed several projects aiming to bring the community, specially the youth, awareness on the significance of environmental protection. One of these is MCC-ABE, a seminar and/or workshop aiming to educate MCC students in various creative ways to repurpose single-use plastics. Another is the Plastic-Free MCC Campaign, a project campaign to ban single-use plastics in MCC, and eventually to other school communities. A seminar on tree planting and recycling of used bottles was also brought forward by the student representatives, which targets youth councils in every barangay in Mabalacat City. Finally, student leaders also plan to take the lead in conducting environment awareness programs for the indigenous groups in Pampanga.

Evident in these plans, policies and projects is the conscious effort that MCC, as a community, makes in creating institutional changes designed to reduce the contributing factors of the College in climate change.

I. Executive Committee Initiatives

In the climate change action planning, the Executive Committee proposed several plans that shall eventually be translated into institutional policies. These policies are the creation of a committee on environmental protection, waste management, policy on compostable wastes and prohibition on incineration of garbage inside campus premises, electricity conservation, paper use reduction and plastic use, integration of climate change issues in MCC102 and requiring tree planting activities for graduating students. The provisions and guidelines of these policies shall be further discussed in this chapter.

Annual Climate Change Action Planning Policy

The Annual Climate Change Action Planning Policy was proposed by the Executive Committee to institutionalize the College's advocacy in creating environmental awareness and developing measures mitigating the factors contributing to climate change. The policy shall be applied to all personnel and MCC students.

The policy also covers the creation of the Committee on Environmental Protection. The Committee shall be headed by a Committee Chairman, who shall be elected during the Annual Climate Change Action Planning and shall preside one year from the election. The members of the Committee shall be composed of the Student Council and the members of the Management Committee, though volunteers may be accepted as members. The Committee shall also have the following responsibilities:

1. Creation and/or approval of programs and activities related to climate change;
2. Propose to the Board certain policies supporting the College advocacy on ecological balance;
3. Propose to the Management certain regulations on practices advocating environmental protection, and;
4. Produce an annual climate change plan to be submitted to the Management for implementation.

Further, the policy discusses the conduct of annual climate change planning, which falls every April. The attendees of the planning shall include the members of the Executive Committee, members of the Management Committee, members of the Student Council and one representative per Student Organization. The Climate Change Plan, consisting of proposed

projects and programs of the attendees, shall be submitted a month before the start of each academic year.

College Policy on Waste Management

As part of the Executive Committees initiatives in helping reduce the factors contributing to climate change, the Committee drafted a policy stating the College's full commitment to responsible waste management. The policy shall cover all personnel, students, contractors, tenants and visitors insofar as they can reasonably be expected to influence their actions and behavior while on the premises of the campus.

The policy aims to ensure proper, safe and efficient management of wastes. Another objective is to implement existing relevant local, national, and global policies pertaining to waste management. With the policy, MCC shall apply the principles of: Reduce, Re-use and Recycle in managing the Institution's waste. It also intends to establish facilities that would ensure the proper and safe handling and segregation of produced waste within the campus. Finally, the policy aims to conduct regular orientation and training programs that would educate the students, academic staff, and non-teaching personnel on proper waste management.

The following are the implementing guidelines of the policy that shall be observed and complied by the MCC community and guests:

1. The College shall establish a procurement policy that shall avoid potential waste and instead prioritize products, where applicable, that can cause the smallest harm to the environment.
2. The College shall implement the proper segregation of waste. As such, it shall be the responsibility of all people inside the campus to identify the category of their respective wastes and shall be dumped at the proper bin. Offices' strict compliance shall be necessary for waste collection.
3. Littering and improper disposal and dumping of waste shall not be tolerated by the Institution.
4. Students and Personnel shall exercise the full practice of recycling capacity of every product they possess.

5. The Infrastructure and maintenance group shall be in charge with the monitoring, auditing, and reporting of the waste management processes such as recycling, segregation, and waste disposal.
6. The Institute of Arts, Sciences and Teacher Education and other offices who undertake laboratory work shall:
 - a. Ensure that waste generated through the teaching of courses is minimized, while resource recovery is maximized
 - b. Establish systems and procedures in the proper keeping, handling and disposal of hazardous wastes
7. Reduce the procurement and utilization of office printers by installing a centralized printing system in offices, where applicable.
8. The College shall ensure that all tenants are educated and obliged by the requirements of this policy through leasing agreements and contracts whereby applicable.
9. The Infrastructure and maintenance group shall ensure that in the construction and refurbishing, maintenance and operation of buildings, contractors and operators strictly implement the segregation of construction waste materials. Further, waste management principles of recycling, waste avoidance and reduction, and reuse shall be exercised.
10. In its desire to ensure massive effect, the College shall invest in various technologies that shall be instrumental in the recycling of materials.
11. The Institution shall establish its own Material Recovery Facility that shall facilitate and manage the waste segregation within the campus.
12. The Material Recovery Facility Unit shall develop and implement programs, systems, and procedures for the segregation of waste and strategize for the recycling and redevelopment of potential products.

Policy on Compostable Wastes and the Prohibition on Incineration of Garbage in the

College Premises

In relation to effective and responsible waste management, the Executive Committee proposed that a policy be created to transform biodegradable waste into compost, reduce daily degenerated waste and create a natural fertilizer for garden plants inside the premises. The

policy shall also cover the prohibition on burning waste inside the premises. It shall be applicable to all students, researchers, visiting professors, lecturers, and employees, namely: regular, probationary, temporary, contractual, casual, and personnel under contracts of service and job orders.

A. Disposal of Compostable Waste

In disposing compostable waste, two separate compost bins must be placed various areas in each campus. On the other hand, construction of compost pit should be in a partially sunny spot and not too close to the school rooms and offices as it may emit an unpleasant smell as it decomposes.

All compost bins must be properly segregated, which must be observed by everyone. The proper cover and label for the bins is as follows:

- Green Materials - vegetable and fruit scraps, coffee grounds/filters, tea leaves/bags, fresh garden waste, fresh weeds without seeds, fresh grass clippings.
- Brown Materials - dry leaves, shredded paper, straw, sawdust, woodchips from untreated wood, twigs, dried grass clippings and garden waste, dried weeds without seeds, paper napkins.

All compost materials must be collected and dumped to the compost pits daily. The compost materials in the compost pit must be 50% green materials and 50% brown materials in order to make a good compost and avoid a slimy mess infested with flies. It must also be turned/mixed once a week to help eliminate the odor. Finally, the compost shall only be used as fertilizer when it looks brown and crumbly just like soil.

B. No Incineration of Garbage Policy

Burning of any type of garbage or waste inside the campus premises shall be prohibited. Any person found violating said policy shall be subjected to appropriate disciplinary action.

This policy is in line with the Ecological Solid Waste Management Act or R.A. 9003 and the R.A. 8749 or the Clean Air Act prohibiting and penalizing open burning, which is defined as “the thermal destruction of waste by means of direct exposure to fire.” Further, implementing rules of R. A. 8749 provides that “no person shall be allowed to burn any

materials in any quantities which shall cause the emission of toxic and poisonous fumes. Such materials include but not limited to plastic,” among others. Sec. 48, par. 3 of R.A. 9003 also prohibits the open burning of solid waste defined as “all discarded household, commercial waste, non-hazardous institutional and industrial waste, street sweepings, construction debris, agricultural waste, and other non-hazardous/non-toxic solid waste.”

Electricity Conservation Policy

In the efforts to reduce MCC’s overall carbon footprint, the Executive Committee proposed that all persons within the campus premises help in mitigating the accrued electricity consumption of the College, therefore eventually mitigating greenhouse gas emissions as well from electric companies. The general policies that shall be complied by everyone inside the premises are the following:

1. All unnecessary lights inside offices within the College shall be turned off, unless in necessary places (such as restrooms) by 4 PM. Natural sunlight shall then be used for illumination.
2. Air-conditioning systems as well as electric fans in administrative offices must be turned off, unless when necessary (such as when ambient and environmental temperature reach critical levels).
3. Prohibition in tapping into electrical outlets for charging of personal devices.
4. Changing of power consumption of computers in offices into environmental mode or power-saver setting.

The electricity conservation policy requires that all students, personnel, guests and visitor comply the protocol discussed above. Employees and students who violate any provisions of the policy shall be subject to disciplinary. Guests and visitors who violate the policy shall be reprimanded, and if repeated, may be banned from the premises.

Policy on Paper Use Reduction

The policy on paper use reduction aims not only to reduce paper use, but it shall also reuse/repurpose and recycle used paper. The policy shall be applicable to all students, researchers, visiting professors, lecturers, and employees, namely: regular, probationary, temporary, contractual, casual, and personnel under contracts of service and job orders. It shall

also discuss of 3 implementing guidelines– prudent printing and copying, reusing/repurposing of paper, disposing used paper.

A. Prudent Printing and Copying

1. Offices

- a. All default settings of photocopiers and printers in all offices shall be changed to double-sided copying/printing. Only when submissions to third parties shall this setting be changed if required by the receiving third party.
- b. In conducting meetings, all materials shall be made available via file sharing applications, i.e., MS Teams, Google Drive, etc. or through physical transfer of files through USB or external hard drives. Only copies requiring signatures of attendees or participants shall be printed in hard copy.
- c. All offices are highly encouraged to edit and review materials on the computer and only print the final version, if necessary. All reviewers and editors shall use the “Track Changes” feature of MS Word instead of printing hard copies for mark up. All drafters shall send all documents for review via email, for review and editing.
- d. The library is highly encouraged to reduce or eliminate, if possible, the use of paper back materials and instead maximize online subscriptions of books, journals and other reference materials.
- e. Tablets and other digital gadgets and equipment shall be highly encouraged in the library.
- f. Memoranda, Notices, Office Orders and other internal communications shall be, as much as possible, issued via online or digital means. The Human Resources Management Office shall designate a central bulletin board where all internal memoranda, notices and orders shall be posted, except if the said memoranda, notice or order is for particular offices only.
- g. All records shall also be digitized and archives that are no longer of use shall be disposed of.

2. Classrooms

- a. All teachers, both part time and full time are encouraged to allow students to hand in assignments, reports and paper drafts via email and that these be reviewed and graded online.
- b. All teachers are encouraged to use handouts prudently.

- c. The Office of the Vice President for Academic Affairs shall create a public address system to convey notices or messages to the students and teachers, without using paper.
3. Campus-wide
 - a. All campus activities and events shall adopt paperless communications and hosting.
 - b. The MCC Management shall ensure to install television monitors in strategic areas where invitations and announcements may be posted, in lieu of bulletin boards.

B. Reusing/Repurposing of Paper

1. All one-sided printed papers may be used as scratch papers EXCEPT those containing confidential and personal information.
2. Each office shall have a box, area, or bin for papers that may be used as scratch papers. However, papers containing confidential and personal information shall be placed in a separate box, area or bin that is not exposed to the public.
3. All file folders and envelopes shall be reused by reversing the folders or applying new labels to envelopes.
4. The Facilities and Building Management Office, together with the Property Office, shall ensure that all cardboard boxes used for purchased supplies shall be reused for storage or packing of outgoing materials.

C. Disposal of Used Paper

1. The Facilities and Building Management Office, together with the Property and Records Offices, shall partner with paper recycling companies so that the College's used paper may be recycled. The said offices shall also issue the rules and regulations on this matter so that all used papers are prepared according to the said companies' requirements for recycling.
2. For used paper that cannot be recycled, programs and activities shall be developed in repurposing the said paper, e.g., compost, decorations, etc. The College shall aim for major reduction efforts of paper wastes going to landfills.

Policy on Plastic Use

Plastic wastes take years, sometimes even decades to decompose. With this, the Executive Committee drafted a policy on plastic use. The policy aims for the College to have its plastic wastes recycled, reused or repurposed instead of landfilled or dumped, and that single-use and foamed plastics be prevented and minimized in the campus premises. It shall cover all students, guests, visitors, suppliers, researchers, visiting professors, lecturers, and employees, namely: regular, probationary, temporary, contractual, casual, and personnel under contracts of service and job orders. The general provisions of the policy shall discuss of the banning of single-use and foamed plastics and the reusing/repurposing of single-use wrappers.

A. Banning of Single-Use and Foamed Plastics

1. All drink bottles, snack packs and takeout containers brought inside the campus must not be made out of single-use or foamed plastic. Otherwise, such will not be allowed inside the campus premises.
2. For food and other materials bought or availed inside the campus, they shall not be stored or packed in single-use or foamed plastic. All personnel and students are encouraged to bring reusable totes or bags for their availed food or materials inside the campus.
3. Sellers of food and/or other materials inside the campus are not allowed to use single-use and foamed plastics, such as but not limited to straws, utensils, take-out containers, plastic wrappers for sandwiches and other snacks. They are encouraged to use non-plastic alternatives. All personnel and students are encouraged to bring their own utensils and containers that are not for immediate disposal.

B. Reusing/Repurposing Single-Use Wrappers

1. For items that were bought in single-use plastic containers, such as candies, chips, and others, a disposal bin for such non-recyclable items shall be in place.
2. The management and the studentry must come up with solutions to reuse or repurpose these plastics. It should be the aim of the College to prevent and significantly reduce its plastic wastes to be landfilled or dumped.
3. Incineration of plastic wastes shall not be allowed.
4. All suppliers shall be briefed of this policy and shall come up with alternatives to plastic packing and storage.

5. The Management, particularly the Facilities and Building Office shall coordinate with the local government of Mabalacat with regard to its waste segregation and disposal policies.

Students and personnel found to violate any of the above shall be subject to disciplinary action. Guests and visitors who will violate this policy shall be banned from the campus premises.

Integration of Climate Change Issues in MCC102

One of the initiatives of the Executive Committee in bringing environmental awareness to the MCC community is the integration of the climate change issues in MCC 102. It aims to educate the students and provide awareness on the effects of climate change on the planet and on how the students and the community can contribute in reducing the carbon footprint of the campus. The policy shall be applicable to all bachelor and associate degree programs being offered by MCC.

The general provisions of the policy are as follows:

1. The topic Climate Change Issues shall be included in the MCC102 course.
2. The duration of the Climate Change Issues shall be 50% of the total contact hours intended for MCC102.
3. The Institute of Arts, Sciences, and Teacher Education shall formulate the contents of Climate Change Issues based on the following but not limited to:
 - i. Climate Change Cause and Effects
 - ii. Climate Change Issues (Global)
 - iii. Climate Change Issues (National)
 - iv. Climate Change Issues (Local)
 - v. Other relevant content
4. This policy shall take effect immediately this 2nd Semester AY 2020-2021.

Policy on Mandatory Tree Planting for Graduating Students

Section 8 of the R.A. 10176 (“Arbor Day Act of 2012”) states that “all able-bodied citizens of the Philippines, who are at least twelve (12) years of age, shall be required to plant one (1) tree every year.” In connection to this, the Executive Committee created the policy on mandatory tree planting for graduating students.

The policy requires that all MCC students enrolled starting 1st Semester of Academic Year 2020-2021 shall be mandated to plant trees as a requirement for graduation. The students shall be required to plant at least one (1) tree on their last year in the College before graduating.

Further, the tree planting activity shall be designed and implemented by the Office of the Vice President for Research and Extension Services (OVPRES), under its extension services arm. OVPRES shall also ensure that the trees planted are well-maintained through a partnership with the local government unit of Mabalacat and/or with any other organization.

Finally, all tree planting activities should be documented and approved by the proper authorities of the College.

II. Management Committee Initiatives

In support of the institutional policies that the Executive Committee proposed and drafted, the Management Committee also created various programs and projects in support of the proactive collective actions of the MCC community in helping heal Mother Earth.

Padyak para sa Kalikasan: MCC Cycling Enthusiasts Activities for College Students and Employees

The Guidance Services Office (GSO) proposed that cycling activities be conducted for MCC employees and students. This shall encourage both students and employees to extend support to the cycling community and foster passion in cycling by making use of the bicycle as a personal transportation, as well as, for leisure purposes.

The program is proposed to be implemented on the 2nd semester of A.Y. 2020-2021 onwards. The proposed budget for the project is PhP 15,000. It shall include activities such as Cycling with Bike to Work, which is a weekly challenge where MCC cycling enthusiasts compete to see who can earn the most points by riding their bikes to work. Another activity is the #Bikefie Challenge: Selfie with your Bike. The activity encourages enthusiasts to explore cities and capture exciting and unique experiences with their bicycles.

The hashtag for the program is #PadyakParaSaKalikasan. The program proposal is attached herein as *Annex “**B.**”*

Use paper with care: THINK BEFORE YOU PRINT!

Consistent with the Policy on Paper Use Reduction, the Management Committee proposes the project, “Use paper with care: THINK BEFORE YOU PRINT!” The program encourages the prudent practice in printing and using of paper in the MCC community. All offices are required to integrate office paper reduction strategies into all facets of operations including the usage of online file sharing applications, minimize office paper use and purchases as much as possible, and involve clientele and other external stakeholders in reducing consumption of office paper. The project intends to motivate every person in MCC community to be mindful and careful in using paper for printing.

The supplemental activities for the program are the paperless communication and reusing of scrap paper, both of which shall be implemented starting January 4, 2021 onwards. The target audience of these activities are mainly MCC employees. The hashtags for the project are #thinkb4uprint and #reUSErEVOLUTION.

The program proposal submitted during the climate change action planning is herein attached as *Annex “C.”*

Breaking Free from Plastics: Walang Plastikan sa MCC

In line with the Policy on Plastic Use, the Management Committee created the project, “Breaking Free from Plastics: Walang Plastikan sa MCC.” This is one of MCC’s initiatives in committing to becoming a plastic-free campus. The project shall be implemented on January 4, 2020 and shall include both MCC employees and students.

The project shall include activities like banning of single use plastics in the premises and conducting random checking of offices monthly. The hashtag for the project is #WalangPlastikanSaMCC” and the tagline is “MCC Breaks Free from Plastics.” Attached as *Annex “D.”* is the program proposal.

Earth Warriors Awards

To formally acknowledge the efforts of “Earth Warriors” in MCC, the Management Committee proposed to award individuals in the MCC community that go above and beyond to help preserve and protect mother earth. Certificates and badges shall be given to MCC’s environmentalists as token of recognition and appreciation.

The project shall include all employees and students in MCC and shall be implemented starting the 2nd semester of A.Y 2020-2021. The awarding shall be conducted every last Friday of each month. Program proposal for this project is attached as *Annex “E.”*

MCC Circle

MCC Circle stands for MCC Cooperation of Institutes with Respect to Community, Livelihood and Environment. The project proposed by the Health Services Unit aims to create

awareness amongst the MCC students about the environment. It also intends to influence them to do something for the community by simply introducing them the mechanism of Aquaponics.

The program is proposed to be implemented on the 2nd semester of A.Y. 2020-2021. The schedule in briefing students, institutes, faculty and personnel is discussed in the program proposal attached herein as *Annex “F.”* The hashtags for the program are #ACircleofMCC, #OneMCC, #MCCfortheCommunity, and #MCCfortheEnvironment. The tagline for the program is “We create a cycle of change and ingenuity for the community and environment.”

MCC Kaluguran

MCC Kaluguran is a project proposed by the Health Services Unit. It is a long-term project aiming to instill environmental awareness among students by introducing them to the basics of tree planting, as well as nurturing their trees during their stay in MCC.

HSU shall introduce to 1st year students climate change and tree planting through lectures in NSTP and MCC101, and in the 2nd semester, the students shall begin planting their seedlings. In the following years, students shall continue to take care and nurture their plants, whilst MCC personnel monitor the condition of the trees. On the 2nd semester of the students’ last year, the trees shall be assigned to undergraduates and to MCC personnel. There shall be a turnover ceremony, including the naming of the trees.

The project shall be implemented the whole academic year. It shall have the hashtags #MCCkaluguran, #kaluguranMCC, and #KalikasanKaluguranKungKaluguran. The tagline for the project is “Kalikasan, kakung kalúguran. Kalikasan, kakung kalugúran.” Attached herein as *Annex “G”* is a more detailed discussion of the project.

MCC Pa-Arbor

MCC Plant an Arbor, a.k.a. MCC Pa-Arbor, is a project inspired by the term, “arbor” meaning garden. The project, obviously stated in its name, aims to created awareness among MCC students about the essence and beauty of gardening.

Further, students taking Environmental Science classes shall be tasked to plan, create and design a garden as a special project for the course. As part of community extension,

students may choose to establish their garden within the vicinity of a chosen barangay. Afterwards, caretaking of the gardens shall then be given to barangay officials.

Official hashtags for the project are #MCCPaArbor, #MCCGuardE, #MCCGuardianOfTheEnvironment and #ProudMCCGuardE. The tagline for the project is ““MCC GuardE: Guardians of the Environment!” The program proposal for the project is attached herein as *Annex “H.”*

MCC Tanaman

MCC Tanam kang Yaman, dubbed MCC Tanaman, is a short-term project aiming to introduce students lessons on sustainability, entrepreneurship and marketing of produce and products. Students taking up classes on Marketing & Entrepreneurship shall be tasked to plant a vegetable garden as a special project for their course. Harvest from these gardens would eventually be sold as produce or be used as ingredients to be sold at the MCC Market Day, which is a bazaar proposed to be organized in partnership with the IHTM department. The project is proposed to be conducted annually.

The hashtags for this project are #MCCTanaman, #MCCTanamYaman, and #MCCStudentEntrepreneur. The tagline for the project is “MCC Tanaman: Tanam kang Yaman.” The specifics for the project are discussed in the program proposal herein attached as *Annex “I.”*

MCC Carpooling Campaign

The MCC Carpooling Campaign is proposed to be a year-round program promoting care for the environment by helping in fuel conservation and reduction of greenhouse gas emissions from vehicles to improve our air quality.

With the campaign, MCC employees with vehicles are encouraged to share a ride with their colleagues. In doing carshare, drivers and riders who share common origins or pick-up and drop-off points will share one vehicle instead of 2 or more. Sharing a ride is also a great way to make new friends. It allows employees not only to share the cost of gas, but also to share precious time together.

Proposal for the campaign is herein attached as *Annex “J.”*

MCC Daily Earth Hour

In line with the Electricity Conservation Policy, the HRMO Unit proposes the MCC Daily Earth Hour campaign. The MCC community will have a daily commitment to turn off air-condition (AC) units for one hour to conserve energy. Every office in the College will participate by turning off their ACs one hour before the scheduled official end of work for the day. Aside from protecting the planet, this campaign will support the government's energy conservation program and will help cut electrical costs for the College. The proposal for the campaign is attached herein as *Annex "K."*

Environmental Science OBTL Revision

As the title suggests, the program intends to revise the OBTL for Environmental Science to incorporate the lectures on climate change. The discussion on climate change, originally at the latter part of the semester, is proposed to be the introductory focus instead. The proposed revision is set to be implemented on A.Y. 2021-2022 onwards. The beneficiaries for this activity are all enrolled freshmen in Environmental Science. A more detailed discussion is herein attached as *Annex "L."*

MCC Environmental Protection Seminars

As important as it is to initiate programs within the MCC community, within the MCC community, MCC shall also bring awareness among surrounding local communities. Various seminars on environmental awareness were also proposed by the Management Committee, which are as follows:

1. How to Make Non-toxic/Non-hazardous Household Chemicals/Cosmetics
2. 5Rs (Refuse, Reduce, Reuse, Recycle, Regrow)
3. Vegetation Garden at MCC
4. Rainwater Harvesting 101
5. All-natural pesticides and insecticides
6. Save the Energy, Save the Environment
7. Homemade Paper and DIY Tissue Paper (from plants and used papers)
8. Solar Panel as an Alternative for Power Supply

These seminars are proposed to be conducted for the MCC community and residents of barangays in Mabalacat City. The attached program proposal attached as *Annex “M”* discusses descriptions of the seminars in detail.

MCC PCEP

The Mabalacat City College – Permanent Committee on Environmental Protection (MCC-PCEP), which shall be known as MCC PCEP, is proposed to be the body that will be primarily responsible for spearheading activities, projects, and programs on behalf of MCC, encouraging participation of the MCC Community in preserving and protecting the environment. It will be composed of a Chairman appointed by the College President, a representative for the Management Committee appointed by the Executive Committee, a representative from the Faculty appointed by the Vice-President for Academic Affairs, a representative of the student body—Supreme Student Council President—and a representative of the non-teaching personnel, which is the NTP Association President.

The plan is proposed to be implemented on January 2021 onwards. Further discussion of the proposal is attached herein as *Annex “N.”*

III. Student Body Initiatives

As members of the MCC community, the leaders of the student body also brainstormed and prepared plans contributing to the collective goal of bringing environmental awareness and addressing issues of climate change. These initiatives are MCC ABE, Plastic-Free MCC Campaign, Ingat Yaman, Ingat Ng Kabataan Para Sa Kinabukasan (A tree-planting and recycling seminar), and seminars for indigenous groups on land ecosystem and solid waste management.

MCC ABE: Seminar Workshop for Repurposing Single-use Plastics

The Student Council and Student Organizations proposed that MCC ABE, a seminar workshop for repurposing single-use plastics, be provided to MCC students. The seminar/workshop aims to educate students in bringing out their creative side whilst recycling single-use plastics.

MCC-ABE is an acronym for “Motivate, Collect, and Create and be an Advocate to Build an Eco-friendly Environment” a seminar/workshop open for all students of MCC to teach them fresh and creative ideas in repurposing single use plastic specifically water bottles. The program proposal for MCC ABE is herein attache as *Annex “Q.”*

Plastic-Free MCC Campaign

The Mabalacat City College Supreme Student Council, together with Student Organizations, SAS and DENR-LGU proposed to launch a campaign to ban the use of single-used plastic starting from 2nd semester of academic year 2020-2021 onwards. In partnership with student organizations, primarily Science Society and Science Educators Guild, the campaign would be open for all the school organizations. Should the campaign be successful in the first 3 months, the MCC-SSC shall proceed with the campaign to the secondary target audiences, which are the schools around Mabalacat City. Details of the program proposal are attached as *Annex “P.”*

Ingat Yaman, Ingat Ng Kabataan Para Sa Kinabukasan

Ingat Yaman, Ingat Ng Kabataan Para Sa Kinabukasan is a seminar on tree-planting and recycling of used bottles. The SAS, Student Council, Student Organizations/DENR (LGU)

proposes that the project be implemented on January 2021. The campaign shall be monitored and evaluated in the first three (3) months. If the campaign will be deemed successful, the MCC-SSC shall proceed with the campaign to the secondary target audiences which are the Youth Councils in every barangay. The proposal for the program is herein attached as *Annex “Q.”*

Educational Discussions for the Indigenous People

The Student Leaders proposed that educational discussions be conducted for indigenous groups protecting and preserving their lands, as well as educating them on proper waste management. These educational discussions shall be for indigenous groups, particularly Aetas in Clark, Pampanga and nearby locations. The seminars are proposed to be conducted annually on the Indigenous Peoples Month in October, or in September as well. The proposed seminars for A.Y. 2020-2021 are as follows:

1. TRIBU: Educational Discussion on the Land Ecosystem of the Indigenous People
2. SOW-MATIP – Discussion on Solid Waste Management for Indigenous People

The program proposals proposed by the student leaders are attached herein as *Annex “R.”*

Conclusion

MCC taking small steps in combating the effects of climate change, though seemingly basic, is impactful and essential. Leaders of the MCC community coming together in the action planning in November 2020 urged them to take action, in their own creative ways.

Through these projects, policies and programs, MCC brings to light actions we can take to effectively address climate change issues detrimental to global environment. These also puts to perspective that our actions, no matter how little, create a ripple effect. This only goes to show that we can make an impact in helping our world heal.

Annexes**Annex A – Memorandum of Agreement****MEMORANDUM OF AGREEMENT**

This Memorandum of Agreement is by and between the MANAGEMENT OF MABALACAT CITY COLLEGE, SUPREME STUDENT LEADERS and STUDENT ORGANIZATION LEADERS, done this ___ day of _____, 2020, in Mabalacat City College (MCC), Rizal St., Dolores, Mabalacat City.

WHEREAS, the parties intend to curb climate change by creating policies, implementing programs and changing practices in the College that are sustainable and helpful to the environment.

WHEREAS, on November 16, 2020, the Supreme Student Council and The Equalizer, with the MCC Management Committee and Executive Committee, convened for the first ever climate change action planning.

WHEREAS, the parties are the major movers of the College to ensure that all plans taken during the said convention will be happen.

NOW THEREFORE, for and in consideration of the foregoing premises, the parties hereby agree as follows:

OBLIGATIONS OF THE PARTIES**Section 1.** Obligations of the Management of MCC:

The Management shall:

- a. Create and pass policies that will set the direction of all programs and activities in relation to stopping climate change;
- b. Create an environment supporting the said policies, programs and activities;
- c. Support, implement and practice all campaigns of the College in reversing climate change, for as long as budget permits;
- d. Establish a committee that shall focus on climate change related campaigns and actions of the parties.

Section 2. Obligations of the MCC Supreme Student Council and the MCC Student Organization Leaders:

- a. Create programs and activities in relation to stopping climate change;
- b. Implement the policies and programs of the Management in support of climate change solutions;
- c. Encourage and influence fellow students to support and practice the campaigns of the College in reversing climate change.

EFFECTIVITY

Section 3. The effectivity of this Agreement shall retroact to November 16, 2020 and shall remain effective even if the signatories of the parties change.

MCC Management:	MCC Supreme Student Council:	MCC Student Organizations:
By:	By:	By:
DR. MICHELLE AGUILAR-ONG	MR. JOHN KHYLE VILLANUEVA	
College President	SSC President	

Annex B – Program Proposal: Padyak Para sa Kalikasan

- I. Project Name:** Padyak para sa Kalikasan:
MCC Cycling Enthusiasts Activities for College Students and Employees

Proponent: Management Committee

Specific Beneficiary: Mabalacat City College Community

Time of Execution: 2nd Semester A.Y 2020-2021

Type of Execution: Continuing

Specific Date: January 4, 2021

II. Brief Description:**Connect to Environment Protection**

In the midst of uncertain times, Mental Health issues arise; thus, the Guidance Services Office (GSO) is committed to adapting holistic approaches and providing well balanced programs to students that promotes positive mental health. Outdoor activities promote the benefits of exercise for physical and emotional health. Researchers have proved that the combination of exercise and exposure to the outdoors is a bit of a magic combination for emotional and mental health. It is now used as a key therapeutic component to combat depression, anxiety, and stress. In particular, cycling comes up as particularly useful for promoting positive mental health. According to the Cycling Plan UK cycling has been proven to reduce levels of cortisol (stress hormones) in the body which disturb a restful and deep sleep. On the other hand, it also supports the increase of serotonin and helps stabilize the body's circadian rhythm, which results in improved sleep patterns (Cycling Plan UK, n.d.). The activity is centered on conducting an outdoor activity which will inform students of the benefits of cycling to their mental health even in environment. This will involve weekly cycling challenges. Employees and students are encouraged to join this activity.

This will also encourage both students and employees to extend support to the cycling community and foster passion in cycling by making use of the bicycle as a personal transportation, as well as, for leisure purposes.

Activities:

Activities	How it Works:
Cycling to work with Bike to work Weekly Challenge This is a weekly challenge where MCC cycling enthusiasts compete to see who can earn	1. Sign up for FREE at 2. Provide the information needed and sign the Accident Waiver and Release of Responsibility Form. Failure to do so will forfeit the registration.

<p>the most points by riding their bikes to work. #Cyclingtowork</p>	<ol style="list-style-type: none"> 3. Set your biking goal for the week. You can use your bike at work; choose your own schedule, frequency of ride, and distance for that particular week. 4. Challengers can take part from any location across their barangays or cities at any time throughout the week. Just pedal your bike at work. 5. Using a GPS-based Mobile Application or a digital tracker, record the distance of the ride completed. 6. Share your progress on your Facebook account by posting a screenshot of the application used showing the total kilometers for that particular ride and your selfie with the hashtags #MCCCyclingEnthusiasts and #Cyclingtowork 7. Share the challenge with peers and family. 8. Be one of the 3 winners who will receive exciting prizes every week
<p>#Bikefie Challenge: Selfie with Your Bike Explore where your bike can take you and capture exciting and unique experiences in snapshots! #RideWithPride</p>	<ol style="list-style-type: none"> 1. Sign up for FREE at 2. Provide the information needed and sign the Accident Waiver and Release of Responsibility Form. Failure to do so will forfeit the registration. 3. Pedal your way to a route or location of your choice. 4. Find the best spot where you can snap a shot of you and your bike. It could be a scenic view as a background, a photo opportunity with locals, or any interesting landmark. 5. Post this #bikefie on your Facebook account and write a caption of your cycling experience. Use the hashtags #MCCCyclingEnthusiasts and #RideWithPride. 6. Share the challenge with peers and family. 7. Be one of the 3 winners who will receive exciting prizes every week.

III. Collaterals

Particulars	Quantity	Unit Cost	Amount
Bottled Cage with MCC Logo	20	100	2, 000 Php
Drawstring bag with MCC Logo	30	100	3, 000 Php
Bike Stand	2	5000	10, 000 Php
		Total	15, 000 Php

Hashtag: #PadyakParaSaKalikasan

Annex C – Use paper with care: THINK BEFORE YOU PRINT!**I. Name of Program**

Use paper with care: THINK BEFORE YOU PRINT!

II. Proponents

Management Committee

Brief Description:

Unfolding the unmentionable status that climate change is coming to hold particularly in more industrialized localities, Mabalacat City College, as an educational institution, aims to support advocacies regarding climate change and help break climate silence. While much emphasis is placed on how these factors affect our institution’s output, MCC is seeking ways to improve its internal operations at the same time become environmentally conscious. This program insinuates prudent practice of printing and using of paper within MCC community. All offices are required to integrate office paper reduction strategies into all facets of operations including the usage of online file sharing applications i.e., Google Drive, MS Teams, Facebook messenger, etc., minimize office paper use and purchases as much as possible, and involve clientele and other external stakeholders in reducing consumption of office paper. “Use paper with care: Think before you print” project will motivate every person in MCC community to be mindful and careful in using paper for printing.

Target Audience	Time of Execution	Activity	Type of Execution	Specific Date
Mabalacat City College Community (Employees)	Starting the 2 nd Semester A.Y 2020-2021	Paperless communication: Encourages the use of e-mail, USB drives and MS Teams in circulating messages among employees especially for	Continuing	January 4, 2021

		<p>internal office orders and memoranda that are for reference purposes only.</p> <p>Encourage employees to eliminate printed drafts whenever possible by reviewing them on screen, using spellcheck or track change and edit the documents electronically</p>		
		<p>Reuse Scrap paper:</p> <p>Ensure that pages are printed double-sided whenever possible and that unnecessary pages in multipage documents are not printed.</p>	Continuing	January 4, 2021

		Castoff single-sided documents are to be kept on hand and used for draft copies or otherwise reused to avoid the purchase of additional paper (following policies of data privacy and confidentiality)		
--	--	--	--	--

Hashtag/s:

#thinkb4uprint

#reUSEreVOLUTION

Tagline: Show you care, think before you print!

Annex D – Breaking Free from Plastics: Walang Plastikan sa MCC**I. Project Name:** Breaking Free from Plastics: Walang Plastikan sa MCC**Proponent:** Management Committee**II. Brief Description:**

As a catalyst for climate protection, the “Walang Plastikan sa MCC” program encourages Mabalacat City College Community to make a difference by opting out of using products that is eco-friendly, thus, single-use plastics will be banned within the school premises.

This program supports the global movement “Break Free from Plastics” which envisions a future free from plastic pollution. With that, MCC Community is challenged to commit to a plastic free campus. This small act can make a positive impact today that will benefit the next generation.

Target Audience	Time of Execution	Activity	Type of Execution	Specific Date
Mabalacat City College Community (Employees and Students)	2 nd Semester A.Y 2020-2021	Banning of single-use plastics in the school premises.	Continuing	January 4, 2021
		Random checking of offices.	Monthly	

Hashtag: #WalangPlastikanSaMCC**Tagline:** MCC Breaks Free from Plastics

Annex E – Program Proposal: Earth Warriors Awards**I. Project Name:** Earth Warriors Awards**Proponent:** Management Committee**II. Brief Description:**

This program is to give recognition and honour individuals of anyone from the MCC Community who work exceptionally hard to preserve and protect nature and mother earth by giving certificates and badges as a symbol of courage and love for our nature and mother earth.

Target Audience	Time of Execution	Activity	Type of Execution	Specific Date
Mabalacat City College Community (Employees and Students)	2 nd Semester A.Y 2020-2021	Earth Warriors Recognition	Monthly	Every last Friday of the Month.

III. Collateral: (Badges and Certificates)**Tagline:** “Nature Heroes of the Future”**Hashtag:** #bayingkalikasan

Annex F – Program Proposal: MCC Circle

MCC CIRCLE

COOPERATION OF INSTITUTES WITH RESPECT TO COMMUNITY, LIVELIHOOD AND ENVIRONMENT

Proponents:

Florient G. Non, Francis Oliver R. Dela Cruz, Ayn Bernadette C. Galang

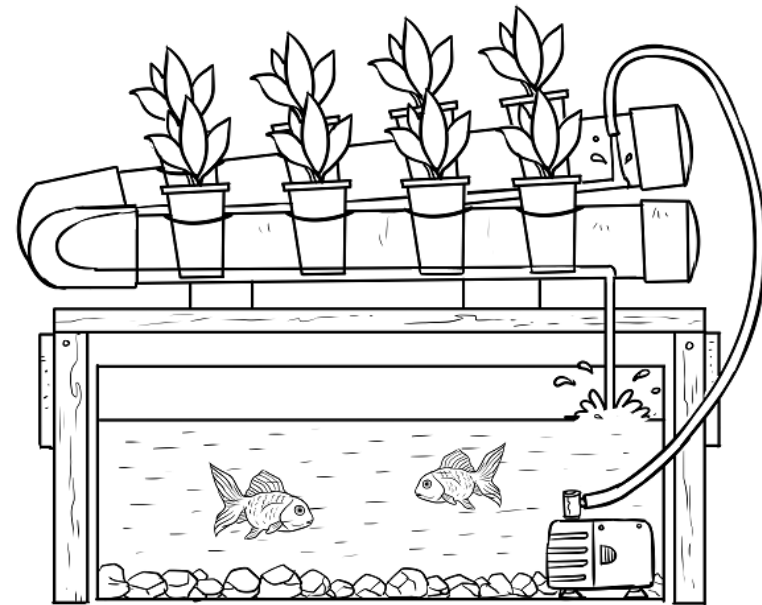
Brief Description:

MCC, with its mission to help in the lessening of environmental problems brought about by Climate change as well as being change agents of the society, is tasking our students to work hand in hand and do something for the community—that displays ingenuity and sustainability.

Hence, project MCC CIRCLE was made.

It is a CIRCLE because everyone, that is every institute of MCC, works together in turn. Also, the product of this project is a cycle of opportunities. It is like an ecosystem—it cannot work without the other. It must work as a whole.

This short-term project aims to create awareness amongst the MCC students about the environment as well as influencing them to do something for the community by simply introducing them the mechanism of Aquaponics.



For instructions in making the Aquaponics project, you may watch the link below:

https://www.youtube.com/watch?v=3_jx_tLDPJw

Target Audience	Time of Execution	Activity	Type of Execution	Specific Date
City Agriculture Office	Prelims	Turnover of seedlings		
ALL Students (per Institute)	Prelims	Lecture-Discussion on Climate Change thru MCC101 subject.	Continuing	
		Introduction to the Project: MCC Circle		
	Midterms	Gather Materials for the Aquaponics		
		Create the Aquaponics		
Finals	Marketing of the Project - Video Presentation - Selling of the products			
Supreme Council and Institute Student Councils	Prelims	Establish linkages to the City Agriculture office—Pump and Seedlings requisition		
	Finals	Care and Maintenance of the Aquaponics		
ICS Students	Midterms	Design a System based on the instructional youtube video		
IASTE Students	Midterms	Find ways on how to grow the produce fast. - Crops - Fisheries		
IHTM	Finals	Use the produce in their Marketing or in their Culinary subjects		

IBE Students	Finals	Account on income-generation of the project - Income loss, Income gained - Return of Investment		
MCC Faculty & Personnel	Midterms - Finals	Monitoring of the creation of the Aquaponics		Whole Year
		Maintenance of the Aquaponics		

Collaterals:

Hashtag:

#ACircleofMCC

#OneMCC

#MCCfortheCommunity

#MCCfortheEnvironment

Tagline:

“We create a cycle of change and ingenuity for the community and environment.”

Annex G – Program Proposal: MCC Kaluguran

Name of Program:

MCC KALUGURAN

Proponents:

Florient G. Non, Ayn Bernadette C. Galang, Francis Oliver R. Dela Cruz

Brief Description:

MCC, in observance of RA 10176 Arbor Law as well as to help in the lessening of environmental problems brought about by Climate change, is requiring all our students to plant a tree and care for the same tree during their whole stay in the College.

Hence, project MCC Kaluguran was made.

The Kapampangan term **kaluguran** is read in 2 ways. The first one is *kalúguran*, meaning friend. The other one is read as *kalugúran*, meaning love. With this special word in mind, the proponents thought of the following statements:

“Kalikasan, kakung kalúguran

Kalikasan, kakung kalugúran.”

The phrase is an alliteration that means: environment, my friend; environment, that I love.

This long-term project aims to create awareness amongst the MCC students about the environment by simply introducing them to tree planting and caring for the same tree in their whole stay in the College.

Target Audience	Time of Execution	Activity	Type of Execution	Specific Date
MCC Student	1 st Year 1 st Sem	Introduction to climate change and tree planting by way of lecture incorporated in NSTP and MCC101 classes.	Continuing	August
	1 st Year 2 nd Sem	Tree planting		December, January and February
	2 nd Year	Care, cultivation, watering, pruning of the tree.		Whole year
	3 rd Year			Whole year
	4 th Year 1 st Sem			Whole Year
	4 th Year 2 nd Sem	Preparation for turn over to lower years and to MCC Personnel - Turn over ceremony - Naming of the tree		Last 2 months of academic year
MCC Personnel		Monitoring of planted trees.	Whole year	

***for BS Accountancy students, their care for the tree would last until their 5th year 1st semester. The turnover of the tree would take place on their 5th year 2nd sem.

Collaterals:

Written pledge of care for the planted tree.

Hashtag:

#MCCkaluguran #kaluguranMCC #KalikasanKaluguranKungKaluguran

Tagline:

***“Kalikasan, kakung kalúguran
Kalikasan, kakung kalugúran.”***

Annex H – Program Proposal: MCC Pa-Arbor

Name of Program:

MCC PA-ARBOR

MCC PLANT AN ARBOR

Proponents:

Florient G. Non, Ayn Bernadette C. Galang, Francis Oliver R. Dela Cruz

Brief Description:

MCC, in observance of RA 10176 Arbor Law as well as to help in the lessening of environmental problems brought about by Climate change, is requiring all our students to plant a tree and care for the same tree during their whole stay in the College.

MCC would expand this by tasking our students with Environmental Science classes to design, create and plant a garden as a special project for their subject/course.

The term **ARBOR** means garden. Creating a garden not only beautifies our surroundings, but it also contributes to both our mental health and the environment.

Hence, project MCC Pa-Arbor was made. Pa-Arbor meaning Plant an Arbor—plant a Garden.

The term “plantita” was already coined by most horticulturists and plant enthusiasts, an MCC student is to be called GuardE—Guardians of the Environment!

“MCC GuardE: Guardians of the Environment!”

This short-term project aims to create awareness amongst the MCC students about the environment by simply introducing them to the beauty of gardening.

Target Audience	Time of Execution	Activity	Type of Execution	Specific Date
MCC Students with Environmental Science Class	Prelim	Lecture-Discussion of the topic Climate change with the implications in the society	Continuing	
	Midterm to Mid-Finals	Designing, creation and planting of the garden		
	Finals	Monitoring and turnover of the garden		
Environmental Science Instructor	Prelims	Discussion of climate change and the ecosystem. As well as the societal implications		
		Introduction of the special project: MCC Pa-Arbor		
	Midterm-Finals	Monitoring of the Garden		
	Finals	Facilitate the turnover of the garden		
MCC Personnel		Monitoring of the Garden		

***As part of community extension, the garden may be within the vicinity of a chosen barangay. The care of the created garden then would be turnover to the barangay officials.

Collaterals:

Written pledge of care for the planted tree and plants.

Hashtag:

#MCCPaArbor
#ProudMCCGuardE

#MCCGuardE

#MCCGuardianOfTheEnvironment

Tagline:

“MCC GuardE: Guardians of the Environment!”

Annex I – Program Proposal: MCC Tanaman

Name of Program:

MCC TANAMAN

MCC TANAM KANG YAMAN

Proponents:

Florient G. Non, Ayn Bernadette C. Galang, Francis Oliver R. Dela Cruz

Brief Description:

MCC, in observance of RA 10176 Arbor Law as well as to help in the lessening of environmental problems brought about by Climate change, is requiring all our students to plant a tree and care for the same tree during their whole stay in the College.

MCC would expand this by tasking our students with Marketing & Entrepreneurship classes to plant a vegetable garden as a special project for their subject/course. The students would then sell their produce or use the vegetables as their ingredients in their subject activity which is a bazaar. However, as part of the MCC's climate change action, the administration together with the IHTM department would organize "MCC Market Day."

Hence, the project MCC Tanaman was made. The Kapampangan term **tanaman** mean tree and plant. With this in mind, the proponents found meaning with it by cutting the word. *Tanam* meaning "to plant" and *Yaman* meaning "wealth." These two words lead to:

"MCC Tanaman: Tanam kang yaman." or "MCC Tanaman: Tinanam ku, Me-yaman ku"

Tanam kang yaman means **plant your wealth**. Whereas, *tinanam ku, me-yaman ku* means **I planted, I became rich**.

This short-term project aims to create awareness amongst the MCC students about the environment, as well as to introduce to them their lessons on sustainability, entrepreneurship and marketing of produce and products.

Target Audience	Time of Execution	Activity	Type of Execution	Specific Date
MCC Students with Entrepreneurship & Marketing Classes		Introduction to Marketing & Entrepreneurship lesson		
		Planting of a vegetable garden as part of the Project MCC Tanaman		
		Harvest of vegetable produce		
		MCC Market Day (food bazaar) - Use harvested vegetable produce as ingredients for the food bazaar - Sell the vegetable produce		
IHTM Faculty		Introduction of lesson on marketing & entrepreneurship		
		Introduction of Project MCC Tanaman		
		Monitoring of Vegetable garden project		
		Planning and Organization of MCC Market Day (food bazaar).		
MCC Personnel		Planning, Organizing and Monitoring of MCC Market Day	Annually	

Collaterals:

Hashtag:

#MCCTanaman

#MCCTanamYaman

#MCCStudentEntrepreneur

Tagline:

“MCC Tanaman: Tanam kang Yaman”

Annex J – Program Proposal: MCC Carpooling Campaign**Program Proposal for Climate Change Action Plan**

Name of Program: MCC Carpooling Campaign

Proponents: Genesis Z. Macapagal
Rowena G. Venzon

Target Audience: MCC Employees

Time of Execution: Year-Round

Type of Execution: Continuing

Specific Date: Whole year

Brief Description:

The MCC Carpooling Campaign promotes care for the environment by helping in fuel conservation and reduction of greenhouse gas emissions from vehicles to improve our air quality. MCC employees with vehicles are encouraged to share a ride with colleagues. In doing carshare, drivers and riders who share common origins or pick-up and drop-off points will share one vehicle instead of 2 or more. Sharing a ride is also a great way to make new friends. It allows employees not only to share the cost of gas, but also to share precious time together.

Collaterals: Memo, Posters, Social Media Posts

Hashtag: #CarsharingisCaring

Tagline: Environmental Care through Car Share!

Annex K – Program Proposal: MCC Daily Earth Hour**Program Proposal for Climate Change Action Plan**

Name of Program: MCC Daily Earth Hour Campaign

Proponents: Genesis Z. Macapagal
Rowena G. Venzon

Target Audience: MCC Employees

Time of Execution: Year-Round

Type of Execution: Continuing

Specific Date: Whole year

Brief Description:

This MCC Daily Earth Hour Campaign promotes climate change awareness by reducing energy consumption to protect the planet from the effects of global warming. The MCC community will have a daily commitment to turn off air-condition (AC) units for one hour to conserve energy. Every office in the College will participate by turning off their ACs one hour before the scheduled official end of work for the day. Aside from protecting the planet, this campaign will support the government's energy conservation program and will help cut electrical costs for the College.

Collaterals: Memo, Posters, Social Media Posts

Hashtag: #MCCDailyEarthHour

Tagline: Every day is earth hour!

Annex L – Project Proposal: Environmental Science OBTL Revision**I. PROJECT TITLE:** Environmental Science OBTL Revision**✚ PROPONENT:**

- Vice President for Academic Affairs
- Deans of the Four Institute
- Field of Study Head
- Science Instructors
- Student Council

✚ Specific Beneficiary/Target Audience: **All Enrolled Freshmen in Environmental Science Course**

✚ Time of Execution: Academic Year 2021-2022 (1st & 2nd Semester)

II. BRIEF DESCRIPTION




MCC as an Academic Community should launch environmental awareness concerning Climate Change primarily to its students in the classroom level, so that students may be conscious and responsive.

Environmental Science has stood as one of the essential components of tertiary education in one form or the other for decades up to the present-day. Environmental Science presents copious concept, issue and problems related to environment. The intention of this Environmental Science course is to develop a community Of citizens that is aware of and concerned about the environment and its associated problems in the micro-level and who have the knowledge, skills, attitudes, motivations and commitment to work individually and collectively towards the solution of current problems and their prevention. Climate Change is included as one of the topics in this course, plotted in the latter part of the OBTL, usually presented at the end of the semester. Unfortunately, due to class interruptions and shortage of class time caused by several curricular and extra –curricular events and activities, this topic is never taught or discussed. Therefore, instead of the topic being at the end of the chapter, the topic on Climate Change will be the introductory focus.

This move aims to create an impact through classroom awareness of more or less 800 to 1000 first year students taking-up Environmental Science per academic year. This academic endeavour for sure will create a favourable outcome to our environment.

Target Audience	Time of Execution	Activity	Type of Execution	Specific Date
Enrolled First Year Students in Environmental Science	1 st Semester A.Y. 2021-2022	Chapter 3: Theoretical View of Climate Change Chapter 4: Climate Change: Workshop and Seminars	Continuing	August 2021

III. COLLATERAL:

-  Budget for workshop and Resource Speaker
-  Venue for the workshop
-  Manpower to organize the workshop

Hashtag: #ECO-FREAKS

Tagline: “*We Learn as ONE for the Environment*”

IV. REVISED OBTL:

**MABALACAT CITY COLLEGE
Outcomes-Based Teaching and Learning Plan in Environmental Science**

VISION: Mabalacat City College envisions being the equalizer of educational opportunities to produce professionals and leaders in building economically progressive and morally responsive communities.	MISSION: The College aims to provide experiential, innovative modes and values – enriched learning, which hone the multiple abilities of individuals to fully prepare them to be competent and socially responsible professionals and leaders.
--	---

Course Title	Environmental Science	Course Code	Electives
Credit Units	Three (3)	Course Pre-/Co-requisites	None
Course Description	The course deals with the general concepts and principles pertaining to complex pattern of interaction between the physical environment and biological communities on earth. Emphasis is also given on the current environmental issues and concerns as well as disaster risk management techniques.		
Program Intended Learning Outcomes (PILO) Based from CMO 75, s 2017 Article III, Section 6.3.4	At the end of this program, graduates will have the ability to: <ol style="list-style-type: none"> 1. Demonstrate deep understanding of scientific concepts and principles 2. Apply scientific inquiry in teaching and learning 3. Utilize effective science teaching and assessment methods 4. Manifest meaningful and comprehensive pedagogical content knowledge in the content of the sciences. 		
Course Intended Learning Outcomes (CILO)	At the end of this course, the students should be able to: <ol style="list-style-type: none"> 1. Display basic and comprehensive understanding of knowledge, principles of the subject matter in the sciences. 2. Utilize appropriate pedagogy and use of technology for the different science content areas. 3. Apply the scientific principle in solving current problems & issues in teaching and learning. 4. Use scientific inquiry in understanding and explaining natural phenomena 5. Design and utilize appropriate instructional materials in science 6. Demonstrate skills in various methods of teaching – learning in the sciences to include conducting science investigations, making models and prototype and doing science research 7. Create and utilize teaching experiences in the classroom to develop learner’s skills in discovery learning, problem learning and critical thinking in PCK of the sciences. 		

PRELIMINARY		Essential Learning		Intended Learning Outcomes (ILO)	Suggested Teaching/ Learning Activities (TLAs)	Values Integration	Assessment Tasks (ATs)
Week	Content Standard	Declarative Knowledge	Functional Knowledge				
1	Demonstrate understanding of the school Vision, mission, objectives, values, and motto.	Understanding the school: Vision Mission Goal Objectives Values Motto	Familiarizing the school Vision, Mission, Goal, Objectives, Value and Motto	Explain the school vision, mission, goal, objectives, value and motto.	Reading/PowerPoint presentation on the VMO's of the college. Lecture- Discussion with Student Participation	Self-Enrichment Diligence Discipline Collegiality	Art of Questioning Oral / Written Recitation
2	Demonstrate understanding of environmental science and scientific principles.	Chapter 1. Introduction to Environmental Science Chapter 2. Scientific Principles - Article Review	Identifying the importance of environmental science for everyday living Discussing the introduction to environmental science as well as the scientific principles.	Enumerate the importance of environmental science in the life of people especially in education. Explain environmental science and the underlying scientific principles.	Readings /lecture followed by presentation Peer assessment Student Participation Discovery Approach Problem-Based Approach Resource-Based Approach	Attentiveness Cooperation Appreciation, Commitment to protect our resources, Resourcefulness Self Enrichment Critical thinking Awareness	Essay questions Art of Questioning on the introduction to environmental science Oral presentation Reading Assignments

3	Demonstrate understanding of global climate change and air pollution.	Chapter 3. Global Climate Change	Discussing the impacts of global climate change	<p>Explain and asses the emitted GHG which is one of the cause of global climate change.</p> <p>Participate in the environmental protection program of MCC.</p>	<p>Readings /lecture followed by presentation</p> <p>Peer assessment</p> <p>Video presentation</p> <p>GHG-Assessment</p> <p>RESIKLO – Workshop & Seminars</p>	<p>Critical thinking</p> <p>Awareness</p> <p>Self-enrichment</p> <p>Commitment to protect our resources</p> <p>Communication Skill</p>	<p>Art of Questioning</p> <p>Oral presentation</p> <p>Essay questions</p> <p>Reading Assignments</p> <p>Workshops & Seminars</p>
4	Demonstrate competence in recycling waste from the environment.	<p>Chapter 4. Environmental Waste</p> <p>Waste Pollution</p> <p>- Make a video about waste management</p> <p>Design recycled materials I</p>	<p>Understanding the concept of waste management and different forms of waste materials from the sector of the society.</p> <p>Creating recycled materials such as Eco Bags, Eco Costumes Eco Bricks</p>	<p>Identifying the concept of waste management.</p> <p>Make an appropriate & useful IMs in science</p>	<p>Readings /lecture followed by presentation</p> <p>Peer assessment</p> <p>Environmental Assessment</p> <p>Landfill ocular immersion/observati on</p> <p>Group activity Demonstration approach</p> <p>Organizational-based approach</p>	<p>Critical thinking</p> <p>Awareness</p> <p>Attentiveness</p> <p>Cooperation</p> <p>Diligence</p> <p>Awareness</p> <p>Appreciation</p> <p>Commitment to protect our resources</p> <p>Resourcefulness</p> <p>Patience</p>	<p>Essay questions</p> <p>Art of Questioning</p> <p>Oral presentation</p> <p>Develop a visual presentation</p> <p>Field work/observation</p> <p>RESIKLO MAKING</p> <p>Invites judges to assess the said recycled material</p> <p>Form an exhibit events showcasing the output of RESIKLO MAKING</p>

						Partnership Communication Skill	
5	Demonstrate understanding of matter and energy as well as evolution and ecology.	Chapter 5. Matter and Energy Chapter 6. Evolution and Ecology - Concept Mapping	Explaining the concept of matter and energy and its implication to the environment Distinguishing the different Theory of Evolution and the principles of Ecology in relation to preservation of living organisms.	Recognize and list the importance of matter and energy in congruence to daily basis of life. Analyse and explain the Theory of Evolution and the principles if Ecology.	Readings /lecture followed by presentation Peer assessment Venn-Diagram	Self-Enrichment Critical thinking Awareness Appreciation Stewardship	Reflection Paper Oral presentation Reading Assignments/Agreements
6	Demonstrate understanding of the different land/ terrestrial biomes and aquatic ecosystems.	Chapter 7. Land Biomes Chapter 8. Aquatic Ecosystems - Reporting/ - Presentation	Explaining the processes that constitute water cycle and the factors that affect the temperature and its effect in the living organism in the environment.	Explain the land biomes and aquatic streams in supporting all different life forms in the ecosystems.	Readings /lecture followed by presentation Peer assessment Field Immersion/Study	Self-Enrichment Awareness Commitment to protect our resources in the environment. Communication Skill	Essay questions Art of Questioning Oral presentation Reading Assignments
7	Demonstrate understanding of human population.	Chapter 9. Human Population 9.1 Design appropriate instructions materials in science	Identifying the elements that affect population growth of the living organisms and its implication in the environment.	Explain the life tables and demography of the population in terms of its growth in connection to the habitat where they are residing.	Lecture/Discussion Peer assessment Student Participation Group/individual approach	Attentiveness Awareness Self-realization	Essay questions Art of Questioning Oral presentation Instructional materials

		- Reporting/Presentation	Creating an appropriate instructional material in science.		Reporting/Presentation	Communication Skill	
PRELIMINARY EXAMINATION							
9	Demonstrate understanding of environmental toxins.	Chapter 10. Human Health and Environment - Environmental Assessment - Reporting/Presentation	Determining the treats and diseases from the environment that upsets human health	Explain the deadliest diseases of human in the history and up to the present. List certain preventive ways and treatment to eradicate disease.	Readings /lecture followed by presentation Peer assessment Reporting/Presentation	Self Enrichment Awareness Cooperation Adherence to cleanliness Communication Skill	Essay questions Art of Questioning Oral presentation Field Investigation Environmental Assessment
10	Demonstrate understanding of plant agriculture.	Chapter 11. Plant Agriculture - Conduct test of water quality	Identifying the importance of plant agriculture and how it contributes in proliferation of green life species.	Enumerate the contributions of plant in the environment and how plants help to sustain other living organisms.	Lecture-Discussion with Student Participation Peer assessment Inventory of the plant in students respective houses Photography Contest Organization-based strategy Reporting/Presentation	Commitment to protect our resources, Awareness Diligence Patience Partnership Communication Skill	Essay questions Art of Questioning Oral presentation Photo Exhibit Reading Assignments

11	Demonstrate competence in conducting water test through field study/observation.	Chapter 12. Fishing and Aquaculture	Comparing and contrasting fishing and aquaculture.	Distinguish the difference of fishing and aquaculture.	Readings /lecture followed by presentation Peer assessment Field Study –Testing the water quality Reporting/Presentation	Self-Enrichment Awareness Value the essence of water Communication Skill	Essay questions Art of Questioning Oral presentation Field works/ Observation Environmental Assessment
12	Demonstrate understanding of animal agriculture.	Chapter 13. Animal Agriculture	Explaining the various processes involve in animal agriculture.	Identify several livestock mechanisms in manufacturing products that can sustain our needs.	Lecture- Discussion with Student Participation Peer assessment Video Presentation Reporting/Presentation	Self-Enrichment Awareness Appreciation Stewardship to our resources Communication Skill	Essay questions Art of Questioning Oral presentation Environmental Assessment

MIDTERM EXAMINATION

15	Demonstrate understanding of the different water resources and pollution.	Chapter 14. Water Resources and Pollution - Field/Community evaluation	Explaining the importance of water resources to sustain living organisms. Discussing the different human activity that cause water pollution.	Enumerate and explain the importance Water resources Identify the different human activity causing pollution in water resources.	Readings /lecture followed by presentation Peer assessment Video presentation Field observation Reporting/Presentation	Self Enrichment Critical thinking Awareness Attentiveness Cooperation Diligence Communication Skill	Essay questions Art of Questioning Oral presentation Field work/ Observations Reading Assignments RESIKLO MAKING
----	---	---	--	---	--	---	---

16	Demonstrate knowledge regarding fossil fuels and nuclear energy.	Chapter 15. Fossil Fuels Chapter 16. Nuclear Energy - Reporting/Presentation - Article Review	Identifying the different characteristics and benefits of fossil fuel and nuclear energy and how it helps the environment.	Understand the benefits of using fossil fuel and nuclear energy as a source of power supply.	Readings /lecture followed by presentation Student participation Video presentation Group activity	Resourcefulness Self-Enrichment Critical thinking Awareness Communication Skill	Essay questions Art of Questioning Oral presentation Reading Assignments
17	Demonstrate understanding on the concept and issue of renewable energy.	Chapter 17. Renewable Energy - Article Review	Explaining the concept of renewable energy and its implication in the environment.	Develop understanding an of renewable energy	Lecture-Discussion with Student Participation Group activity Discussion of concepts and examples. Reporting/Presentation	Accountability to look after our ecological means Critical thinking Mindfulness Communication Skill	Reading Assignments Classroom Activity Recitation Fieldworks/ Observation Art of Questioning
FINAL EXAMINATION							

COURSE REQUIREMENTS

Grading System:

Class Standing ----- 60% (Attendance 10%, Quizzes 40%, Seatwork & Recitation 30%, Assignment & Project 20%)

Major Examinations ---- 40 % (Prelim, Midterm, Finals)

REFERENCES

1. Living in the Environment: Concepts, Connections, and Solutions, 16th Edition 16th Edition by [Jr. G. Tyler Miller](#) and [Scott E. Spoolman](#)
2. Environmental Science: A study of interrelationships, Twelfth Edition by Enger & Smith, Published by McGraw-Hill Companies
3. Environmental Science, 13th edition by G Tyler Miller

Annex M – Program Proposals: MCC Environmental Protection Seminars

PROGRAM PROPOSAL

I. Name of Program/Project:

How to Make Non-toxic/Non-hazardous Household Chemicals/Cosmetics

Proponents:

SAS/Student Organization/Student Council/Science Professor/ MCC
Committee Volunteers

Specific Beneficiary/Target Audience:

MCC Community Students/Faculty/Admin)

Barangays of Mabalacat City

Time of Execution:

Every end of the month (1 Barangay per month)

Type of Execution:

Continuing

II. Brief Description

This project aims to educate the MCC and Mabalacat community in making non-toxic/non-hazardous household chemicals & cosmetics to avoid using harmful chemicals that can be destructive to the environment.

Most of the household chores can be accomplished using alternative products that are safe, cost-effective and are available in our houses. In this project, we will teach our community some recipes that uses organic products that can be used in cleaning our houses, washing dishes and etc. that are safe to the people and to our environment.

III. Collaterals

Hashtag: #non-toxicalternatives

#householdhacks

Tagline: “Yes to organic and not to toxic”

Prepared by: Ms. Roma Amor S. Manalang

PROGRAM PROPOSAL

I. Name of Program/Project:

5Rs (Refuse, Reduce, Reuse, Recycle, Regrow)

Proponents:

SAS/Student Organization/Student Council/ MCC Committee
Volunteers/DENR (LGU)

Specific Beneficiary/Target Audience:

MCC Community (Students/Faculty/Admin)

Adapted Barangays later on expanding to all barangays of Mabalacat City

Time of Execution:

S.Y 2020-2021

Type of Execution:

Annually

II. Brief Description

This is a seminar-workshop on the 5Rs. **REFUSE** to use extra plastic bags. **REDUCE** your electricity and water use. **REUSE** your own drink bottle/plastic soft drink bottle. **RECYCLE**...Don't throw it, upcycle it. **REGROW** garbage to garden.

III. Collaterals

Hashtag: #walangsayangsaMCC

Tagline: Let's give back to Mother Earth.

Prepared by: Ms. Angelica S. Lopez

PROGRAM PROPOSAL

I. Name of Program/Project:

Vegetation Garden at MCC

Proponents:

SAS/Student Organization/Student Council/ MCC Committee
Volunteers/DENR (LGU)

Specific Beneficiary/Target Audience:

MCC Community (Students/Faculty/Admin)

Adapted Barangays later on expanding to all barangays of Mabalacat City

Time of Execution:

S.Y 2020-2021

Type of Execution:

Continuing

II. Brief Description

This is a seminar-workshop on the planting and propagation of vegetation garden at MCC. It is a seminar-workshop that will teach the community in proper planting and propagation of various vegetable plants.

III. Collaterals

Hashtag: #MakulayAngBuhaySaGulayNgMCC

Tagline: Tanim ko, kabuhayan mo.

Prepared by: Ms. Angelica S. Lopez

PROGRAM PROPOSAL

I. Name of Program/Project:

Rainwater Harvesting 101

Proponents:

SAS/Student Organization/Student Council/MCC Committee
Volunteers/DENR (LGU)

Specific Beneficiary/Target Audience:

MCC Community (Students/Faculty/Admin)
Mabalacat City Barangays

Time of Execution:

S.Y 2020-2021

Type of Execution:

Continuing

II. Brief Description

A seminar on how to collect and convert rain water for school use and home use. Rainwater harvesting systems for schools are great for educating children/students about the benefits of conservation of our natural resources. They save money by not wasting water, and help to encourage an environmentally responsible attitude in the next generation. With low energy pumps and controls, there are no negatives to using a rainwater system in a school.

III. Collaterals

Hashtag: #BasangBasaSaUlan

Tagline: Buhos ng ulan? May gamit yan..

Prepared by: Ms. Angelica S. Lopez

PROGRAM PROPOSAL

I. Name of program / project:

All-natural pesticides and insecticides

Proponents:

MCC Student organization, MCC Committee volunteers, DENR-LGU

Specific beneficiary / Target Audience:

MCC Community

Barangays of Mabalacat City

Time of execution:

1st week of June

Type of execution:

Annually

II. Brief description:

- Objective: to learn how to make natural pesticides and insecticides to use instead of toxic commercial pesticides and insecticides chemicals.
- The treat of insect and other pest in our home has been well known and challenged to everyone. This seminar-workshop aims to encourage Mabalacat city community to use all-natural pesticides and insecticides at home than synthetic pest control.

III. Collaterals:

Hashtag:

#PestBugExterminator

Tagline:

Build your defense! Attack those invading pest and bug.

Prepared by: Ms. Valerie Jan A. Orteza

PROGRAM PROPOSAL

I. Name of program / project:

Save the Energy, Save the Environment

Proponents:

MCC Student organization, MCC Committee volunteers

Specific beneficiary / Target Audience:

MCC Community

Barangays of Mabalacat City

Time of execution:

Every end of the month (1 barangay per month)

Type of execution:

Continuing

II. Brief description:

The project aims to educate and encourage MCC and Mabalacat community to reduce energy cost, protect the environment and making the community sustainable.

In this program we will teach our community to reduce energy usage in home to saves their money, increases our energy security, and reduces the pollution that is emitted from non-renewable sources of energy.

This training and awareness program reinforces and supports the community in creating an energy savings culture, opportunities and goals that sustain energy efficiency over the long term.

III. Collaterals:

Hashtag:

#elecTripid

Tagline:

Energy misused cannot be excused.

Prepared by: Mr. Harley I. Simbulan

PROGRAM PROPOSAL

I. Name of program / project:

Homemade Paper and DIY Tissue Paper (from plants and used papers)

Proponents:

MCC Student organization, Committee volunteers of MCC

Specific beneficiary / Target Audience:

MCC Community

Schools of Mabalacat City

Time of execution:

Every end of the month (1 school per month)

Type of execution:

Continuing

II. Brief description:

Many of us are conscious of ways we can use resources sustainably, create things ourselves, and value the objects in our lives by making them with our own hands. But we don't necessarily think of the paper we use on a daily basis and the huge amounts of energy and water consumed by commercial paper mills. This seminar-workshop will teach us on how to make or produce our own paper using organic materials or even used papers. Making paper from plants will tune you in to the characteristics of your local, native plants or the ones you're growing in your own yard. You'll notice which plants around you might make good paper, and you'll attend to when their leaves or stalks are ready to be harvested.

III. Collaterals:

Hashtag:

#maPAPELsaMCC

Tagline:

Reduce, produce and reuse!

Prepared by: Ms. Aileen M. David

PROGRAM PROPOSAL

I. Name of the Program/ Project:

Solar Panel as an Alternative for Power Supply

Specific Beneficiary/ Target Audience:

MCC Community

Time of Execution:

Every end of the month (1 barangay per month)

Type of Execution:

Continuing

II. Brief Description

The program aims to educate the community on the benefits of solar panels as an alternative power supply to their homes.

The solar panels generate clean power which an efficient way to reduce the polluting agent's emissions that affect the atmosphere. These polluting agents are derived from conventional sources of power. Thus, that helps in protecting our environment. Another advantage is it reduces electricity bills. Further, solar energy is applicable everywhere.

III. Collaterals

Hastags: #cleanenergy

Tagline: Go Solar! You get clean, safe, and renewable energy.

Prepared by: Ms. Normalyn M. Laus

Annex N – MCC PCEP

Name of Program: The MCC Permanent Committee on Environmental Protection (MCC-PCEP)

Proponent: Deans

Target Audience: Primary: MCC Community

Secondary: MCC Adopted Community

Tertiary: Entire Mabalacat City

Time of Execution: Commencing January 2021- Continuing/ Permanent

Brief Description:

The Mabalacat City College – Permanent Committee on Environmental Protection (MCC-PCEP) is the body which will be primarily responsible for spearheading activities, projects, and programs on behalf of MCC, encouraging participation of the MCC Community in preserving and protecting the environment.

Composition:

MCC-PCEP is a collegial body composed of:

1. One Chairman which will be appointed by the College President.
2. One representative from the MCC Management Committee which will be appointed by the Executive Committee.
3. One representative from the Faculty which will be appointed by the Vice-President for Academic Affairs.
4. One representative from the studentry which will be automatically be the Supreme Student Council President.
5. One representative from the Non-Teaching Staff which will automatically be the NTP Association President.

The MCC College President shall also act as adviser/consultant to the committee.

At the discretion of the College President, representatives from environment related government agencies and private organizations might be requested/invited to act as consultant from time to time.

Duties and Responsibilities:

1. Raise environmental awareness among all constituents of MCC by accepting/ endorsing environmental activities, projects, programs, undertakings geared towards the promotion, preservation, and protection of the environment of MCC and of the community at large.
2. Keep abreast of research and developments that pertain to institutional sustainability.
3. Recommend policies for adoption by the college, to promote conservation, energy efficiency, and sustainable use of resources.
4. Assess the environmental state of the college on a regular basis.
5. Evaluate the implementation of environmental activities, projects, programs implemented within the college and its adopted/ beneficiary communities.
6. Manage the fundings allotted by MCC for environmental undertakings.

Collaterals:

1. Funding
2. Promotions

Hashtag: #MCCWorksForNatureNow

Annex O – MCC ABE: Seminar Workshop for Repurposing Single-use Plastics**PROGRAM PROPOSAL****I. NAME OF PROGRAM/PROJECT: “MCC-ABE: A Seminar/Workshop for Repurposing Single-use plastics”****a. Proponents:**

STUDENT COUNCILS, STUDENT ORGANIZATIONS

b. Specific beneficiary/Target Audience

PRIMARY: MABALACAT CITY COLLEGE STUDENTS

c. Time of execution

CONTINUING

II. BRIEF DISCUSSION

Since the implementation of the COVID 19 protocols most of the Filipinos found their hobbies. Majority of these hobbies involves arts and crafts and it even became a source of income. Filipinos often exploit their talents and creativities in creating crafts out of materials that are no longer needed such as single-use plastics

In line with this, the Mabalacat City College Supreme Student Council (MCCSSC) came up with an idea for a seminar entitled “MCC-ABE: Seminar Workshop for Repurposing Single-use plastics” MCC-ABE is an acronym for “Motivate, Collect, and Create and be an Advocate to Build an Eco-friendly Environment” a seminar/workshop open for all students of MCC to teach them fresh and creative ideas in repurposing single use plastic specifically water bottles.

III. COLLATERALS

a. Hashtag: #MCCka-ABE ka!

b. Tagline: Ka-ABE ka, MCC.

Prepared By: Curt Joseph M. Castillo, John Khyle David Villanueva, Gia C. Dalma, Angelica Bea Yambao

Annex P – Plastic-Free MCC Campaign**PROGRAM PROPOSAL****I. NAME OF PROGRAM/PROJECT: “PLASTIC FREE MCC Campaign(seminar)”****a) Proponents:**

SAS, STUDENT COUNCIL, STUDENT ORGANIZATIONS/DENR(LGU)

b) Specific beneficiary/Target Audience

PRIMARY: MCC STUDENTS

SECONDARY: OTHER SCHOOLS IN MABALACAT

c) Time of execution

CONTINUING

II. BRIEF DISCUSSION

About 35,580 tons of garbage is generated every day in the Philippines. On the average, each person in the country produces about 0.5 kg and 0.3 kg of garbage every day in the urban and rural areas, respectively. For Metro Manila, it is estimated that 8,636 tons of garbage is generated per day, i.e., 0.7 kg per person per day due to its more modernized lifestyle. The household is the major source of waste in the Philippines at 74%. Moreover, of the total solid waste generated from households, 95% can still be reused or recycled (43%), or turned into compost (52%). Only 5% is made up of residuals (4%) and special/hazardous waste (1%) that are no longer usable or biodegradable (JICA Waste Characterization Study, 1997). (Castillo & Otoma, 2013)

In line with this, the Mabalacat City College Supreme Student Council would like to launch a campaign to ban the use of single-used plastic starting from academic year 2020-2021 second semester particularly January. In partnership with MCC’s student organizations primarily Science Society and Science Educators Guild this campaign would be open for all the school organizations. The campaign would be monitored and evaluated for the first three (3) months if the campaign is successful with the primary beneficiaries or target audience. The MCCSSC will proceed with the campaign to the secondary target audiences which are the schools around Mabalacat City.

III. COLLATERALS**a) Hashtag**

#PlasticFreeMCC

b) Tagline

“Sa MCC walang plastic”

Prepared By: Curt Joseph M. Castillo

Annex Q – Ingat Yaman, Ingat Ng Kabataan Para Sa Kinabukasan**“PROGRAM PROPOSAL”****I. NAME OF PROGRAM/PROJECT:**

“INGAT YAMAN, INGAT NG KABATAAN PARA SA KINABUKASAN”
(seminar about tree planting and recycling uses bottles)”

a. Proponents:

SAS, STUDENT COUNCIL, STUDENT ORGANIZATIONS/DENR (LGU)

b. Specific beneficiary/Target Audience

PRIMARY: MCC STUDENTS

SECONDARY: YOUTH COUNCILS IN EVERY BARANGAY IN
MABALACAT CITY.

c. Time of execution

CONTINUING

II. BRIEF DISCUSSION

The Philippines boasts of thousands of tropical islands, but with the ongoing modernization, many farmlands and forests are being turned into cities and roads at an alarming rate. When the Typhoon Ulysses landfall in the Philippines, Base on the Manila Bulletin (2020) The Typhoon Ulysses triggered floods and landslides in Cagayan and other parts of Luzon, killing more than 60 people, displacing thousands of families, and destroying billions worth of crops and infrastructure. According to Harry Roque (2020), he stated that climate change, deforestation, and illegal mining are among the factors that contributed to the floods and landslides in the northern region.

In line with this, the Mabalacat City College Supreme Student Council would like to launch a campaign and conducting a seminars to promote the tree planting project starting from academic year 2020-2021 second semester particularly January. The campaign would be monitored and evaluated for the first three (3) months if the campaign is successful with the primary beneficiaries or target audience. The MCCSSC will proceed with the campaign to the secondary target audiences which are the Youth Councils in every Barangay.

Here are some background studies to promote tree planting projects;

Established in 1972, Haribon Foundation advocates for the conservation of biodiversity. It engages and trains individuals to become an instrument of change through their activities like tree planting and adopting seedlings and promotes tree planting for a secure and sustainable future. The group organizes tree planting and nurturing activities to help protect the Philippine biodiversity.

III. COLLATERALS

A. Hashtag: “#Go Green for a sustainable living”

B. Tagline: “Makiisa para sa hinaharap”

Prepared by: Hubert Labbao

Annex R – Educational Discussions for the Indigenous People

PROGRAM PROPOSAL

I. Name of the Project

- TRIBU: Educational Discussion about the Land Ecosystem of the Indigenous People

Proponents:

- **PLAN A:** Student Leaders, Call for volunteers (MCC Community)
- **PLAN B:** Create and organize pro indigenous groups or National Minorities

Specific Beneficiary:

- Indigenous Groups specifically Aeta's of Pampanga & Clark

Time of Execution:

- AY 2020 – 2021 September – October (Indigenous Peoples Month)

Type of Execution

- Annually

II. Brief Description

- The educational discussion will deem on how the indigenous people should take care of their nature and help them to preserve their natural resources and not just for the repatriation of their lands but also to defend their ancestral culture.

Collaterals:

- Hashtag: #MCCOneInTribu
- Tagline: “Defend Ancestral Lands”

Prepared by: Dale John Santos

PROGRAM PROPOSAL

Name of the Project

-**SOW-MATIP** – Discussion About Solid Waste Management to Indigenous People

Proponents:

- **PLAN A:** Student Leaders, Call for volunteers (MCC Community)

PLAN B: Create an organization that are pro Indigenous groups or National Minorities

Specific Beneficiary:

- Indigenous Groups specifically Aeta's of Clark Pampanga and nearby.

Time of Execution:

- AY 2020 – 2021 September – October (Indigenous Peoples Month)

Type of Execution

- Annually

II. Brief Description

- The educational discussion will deem on how the indigenous people should take care of their surroundings and help them to preserve their natural resources and not just for the repatriation of their lands but also to defend their ancestral culture. It is to fully educate them about waste management using the 7R (Refuse, Reduce, Repurpose, Rot, Repair, Return, Refill and Refuse)

Collaterals:

- Hashtag: #MCCcaresTribu

- Tagline: “Field educator for the Native Filipinos”

Prepared by: Mark Blances