



Republic of the Philippines
CITY GOVERNMENT OF MUNTINLUPA
 Sangguniang Panlungsod ng Muntinlupa



RESOLUTION NO. 2023-328

A RESOLUTION AUTHORIZING MAYOR ROZZANO RUFINO B. BIAZON, IN BEHALF OF THE CITY GOVERNMENT OF MUNTINLUPA, TO ENTER INTO AND SIGN THE MEMORANDUM OF AGREEMENT WITH FAR EASTERN UNIVERSITY-ALABANG ELECTRONIC AND COMMUNICATIONS ENGINEERING STUDENTS, NAMELY: ANGELA A. CADAPAN; JUSTIN DELOS SANTOS; JACQUELYN N. LAURETA; EMMANUEL S. MILLET; AND ITS DIRECTOR ENGR. JORGE Z. BURGOS, ON THE RESEARCH AND DEVELOPMENT PROJECT "AUTOMATED SYSTEM OF VERTICAL HYDROPONIC LOLLO BIONDA LETTUCE FARMING IN MUNTINLUPA CITY DEMO FARM"

Muntinlupa

- Sponsored by:**
- Hon. Coun. Engr. Marissa C. Rongavilla**
 - Hon. Coun. Atty. Raul R. Corro**
 - Hon. Coun. Paty Katy C. Boncayao**
 - Hon. Coun. Atty. Rachel Katriel Ann C. Arciaga**
 - Hon. Coun. Ivey Rhia A. Tadea**
 - Hon. Coun. Allan Rey A. Camilon**
 - Hon. Coun. Jedidiah R. Presnedi, LPT**
 - Hon. Coun. Ting D. Niefes**
 - Hon. Coun. Mark Lester M. Baes**
 - Hon. Coun. Francis Ian T. Bagatsing**
 - Hon. Coun. Luvi P. Constantino**
 - Hon. Coun. Engr. Mamerto T. Sevilla, Jr.**
 - Hon. Coun. Engr. Arlene D. Hilapo**
 - Hon. Coun. Cornelio M. Martinez**
 - Hon. Coun. Rodolfo W. Moldez, Jr.**
 - Hon. Coun. Walter A. Arcilla**
 - Hon. Coun. Kenichi D. Takagi, Jr.**

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WHEREAS, Section 2(1), Article XIV of the 1987 Philippine Constitution provides that *"The State shall establish, maintain, and support a complete, adequate, and integrated system of education relevant to the needs of the people and society;"*

WHEREAS, Section 16 of Republic Act No. 7160 also known as the "Local Government Code of 1991," states that *"Every local government unit (LGU) shall exercise powers expressly granted, those necessarily implied therefrom, as well as powers necessary, appropriate, or incidental for its efficient and effective governance, and those which are essential to the promotion of the general welfare;"*

WHEREAS, Section 22(c), supra, on the General Powers and Attributes of Local Government Units, provides that, *"Unless otherwise provided in this Code, no contract may be entered into by the local chief executive in behalf of the local government unit without prior authorization by the Sanggunian concerned. Xxx."*

WHEREAS, Section 455 (b)(1)(vi), supra, states that *"The City Mayor shall represent the city in all its business transactions and sign in its behalf all bonds, contracts, and obligations, and such other documents upon authority of the Sangguniang Panlungsod pursuant to law or ordinance;"*





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WHEREAS, as part of the undergraduate thesis requirement, students from the **Far Eastern University-Alabang (FEU-Alabang)**, namely: **Angela A. Cadapan; Justin Delos Santos; Jacquelyn N. Laureta; and Emmanuel S. Millet**, will conduct a Research and Development Project in coordination with the City Government of Muntinlupa entitled **“Automated System of Vertical Hydroponic Lollo Bionda Lettuce Farming in Muntinlupa City Demo Farm;”**

WHEREAS, the said **Research and Development Project** aims to assist people in cultivating a quality Lollo Bionda lettuce using a well-supervised planting process particularly to automate the parameters of vertical hydroponic farming of Lollo Bionda, particularly pH level, total dissolved solids, and water level;

WHEREAS, the **City Government of Muntinlupa**, through the **Department of Agriculture Extension Services Office (DA-ESO)**, validated the feasibility of the above-mentioned Research and Development Project;

WHEREAS, the under the **Terms and Conditions of the Memorandum of Agreement**, the **City Government of Muntinlupa (CGM)** and **FEU-Alabang Student-Researchers** agreed on the following, among others:

The **CGM** shall:

- (1) Through the DA-ESO, provide assistance to the Student-Researchers in the conduct of their Research and Development Project until the completion thereof;
- (2) Give access to the previous and new harvest data from Nutrient Film Technique (NFT) Hydroponics and Edible Landscaping in the Demo Farm;
- (3) Inform the Student-Researchers of any improvements or changes in the Demo Farm in relation to the Research and Development Project;
- (4) Grant permission to the Student-Researchers to use the grid electricity of the Demo Farm for prototype testing, gathering of data, and utilization of NFT Vertical Hydroponics in the commencement of the project;
- (5) Provide a specific portion of their land for the installation of the prototype and other wirings to be utilized as power source for the automated system for vertical hydroponics setup; and
- (6) Not be held liable for any damage, loss, or injury to any persons or property in the conduct of the Research and Development Project.

The **FEU-Alabang Student-Researchers** shall:

- (1) Install the constructed prototype inside the given specific space in the hydroponics greenhouse of the Demo Farm’s NFT Hydroponics cultivation area and vertical hydroponics setup with dimension of 250x10x178 centimeters;
- (2) Inform the DA-ESO of any progress made during the development of the prototype;

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- (3) Inform the DA-ESO of their visit to the Demo Farm, preferably, days before the actual visit;
- (4) Provide instructions and user manual for the installed IoT-based water irrigation system;
- (5) Shoulder all expenses for the construction of the prototype; and
- (6) Provide compensation/replacement for damages, loss, and/or injury caused to the City Demo Farm and properties.

WHEREAS, the **Research and Development Project** shall be completed within **six (6) months** from the signing of the MOA or until such time that the prototype is satisfactorily working. In the event that the development of the prototype is not completed within the specified timeframe, the MOA shall be renewed accordingly;

WHEREAS, the **intellectual property rights**, ownership, and enjoyment thereof arising from the Research and Development Project shall be owned and retained by the **FEU-Alabang Student-Researchers**;

WHEREAS, *Katarungan* and *Kalikasan* are among the **7K Agenda** of **City Mayor Rozzano Rufino B. Biazon Administration** which pillars are key components in providing quality life to our constituents.

WHEREAS, upon review of the proposed MOA, the **City Legal Office**, in its **opinion dated 29 August 2023**, interposed no objection thereto but suggested amendments and/or rewording of the *Effectivity Clause* for consistency;

NOW THEREFORE, BE IT RESOLVED, AS IT IS HEREBY RESOLVED, by the **10th Sangguniang Panlungsod of Muntinlupa**, to authorize the **City Mayor Rozzano Rufino B. Biazon**, in behalf of the City Government of Muntinlupa, to enter into and sign the **Memorandum of Agreement (MOA)** with **Far Eastern University-Alabang** Electronic and Communications Engineering Students, namely: **Angela A. Cadapan; Justin Delos Santos; Jacquelyn N. Laureta; Emmanuel S. Millet**, and its **Director Engr. Jorge Z. Burgos**, on the *Research and Development Project "Automated System of Vertical Hydroponic Lollo Bionda Lettuce Farming in Muntinlupa City Demo Farm."*

RESOLVED FURTHER, that necessary permits, licenses, and other requirements of the Department of Environment and Natural Resources, among other Agencies and/or Authorities, shall be complied with accordingly.

ADOPTED, by the **10th Sangguniang Panlungsod of Muntinlupa** this **25th day of September 2023** on its **64th Regular Session**.

CONCURRED:

DISTRICT 1:

COUN. ATTY. RAUL R. CORRO
 Member

(ABSENT)
COUN. ALEXSON V. DIAZ
 Member

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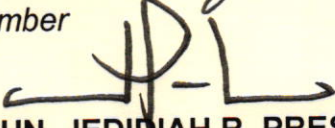
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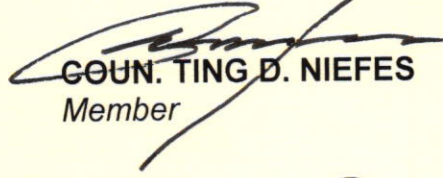

 COUN. PATY KATY C. BONCAYAO
 Member


 COUN. ATTY. RACHEL KATRIEL ANN C. ARCIAGA
 Member



 COUN. IVEE RHIA A. TADEFA
 Member


 COUN. ALLAN REY A. CAMILON
 Member

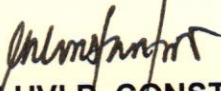

 COUN. JEDIDIAH R. PRESNEDI, LPT
 Member


 COUN. TING D. NIEFES
 Member

DISTRICT 2:


 COUN. MARK LESTER M. BAES
 Member


 COUN. FRANCIS IAN T. BAGATSING
 Member


 COUN. LUVI P. CONSTANTINO
 Member


 COUN. ENGR. MAWERTO T. SEVILLA, JR.
 Member

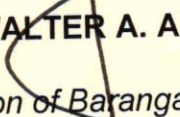

 COUN. ENGR. MARISSA C. RONGAVILLA
 Member

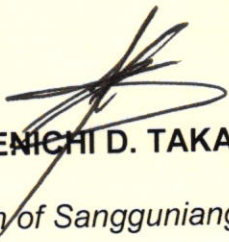

 COUN. ENGR. ARLENE D. HILAPO
 Member


 COUN. CORNELIO M. MARTINEZ
 Member


 COUN. RODOLFO W. MOLDEZ, JR.
 Member

Sectoral Representative:


 COUN. WALTER A. ARCILLA
 President
 Association of Barangay Chairman


 COUN. KENICHI D. TAKAGI, JR.
 President
 Federation of Sangguniang Kabataan

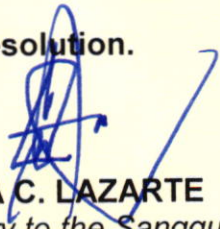


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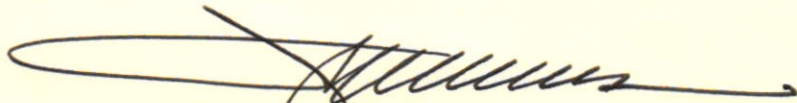


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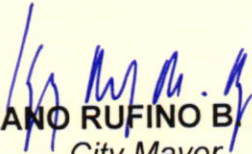
I HEREBY CERTIFY, as to the correctness of the foregoing Resolution.


CECILIA C. LAZARTE
 Secretary to the Sanggunian


ATTESTED:


ARTEMIO A. SIMUNDAC
 City Vice-Mayor/Presiding Officer

APPROVED:


ROZZANO RUFINO B. BIAZON
 City Mayor

Date: **03 OCT 2023**


 Norie/10th SP