



2024 ANNUAL ACCOMPLISHMENT REPORT

TECHNOLOGY TRANSFER AND LICENSING OFFICE (TTLO)

(January – December 2024)

UNIT PROFILE:

Technology Transfer and Licensing Office – Innovation and Technology Support Office (TTLO-ITSO) leads in the promotion and communication of Intellectual Property (IP) through IP education programs and advocacy in the university.

The office also provides technical assistance in the conduct of patent search and patent drafting activities and training to faculty members in the university and different stakeholders in the region. It also develops and implements policies and processes to enable IP protection and technology commercialization. Lastly, it pursues IP protection, technology transfer, and commercialization.

VISION:

An innovation and technology support office serving the Caraga State University and the communities in the region, enabling and supporting increased innovation, protection of our innovation through patents, and utilization and commercialization of patented innovation for the benefit of the University and the communities in the region.

MISSION:

The ITSO is committed to providing patent information and IP services to the Caraga State University and the communities in the region, and supporting research and development which will have a positive social, economic, technological, and environmental impact on the University and the communities in the region.

PHYSICAL PERFORMANCE REPORT

Program/Performance Indicators do not apply to the operations of the TTLO.

FINANCIAL PERFORMANCE REPORT

The TTLO has no budget for its operations and is mainly dependent on external funding from DOST-PCAARRD through the Regional Agri-Aqua Innovation System Enhancement (RAISE) Program. TTLO, as the smallest unit, acquired a two-year project fund for the Project 1 – Regional Intellectual Property and Technology Business Management (IPTBM) in Caraga amounting to Php 3,983,650.00. The total approved budget for Year 1 is Php 2,412,950 with a total obligation of Php 1,741,400.36 as of to date consisting of Personal Services (PS) expenses and Maintenance and Other Operating Expenses (MOOE). However, the Year 1 accounts payable amounts to Php 399,165.43, leaving a total unexpended balance of Php 272,384.21. This unexpended balance will be reprogrammed for the Year 2 operation of the project. The total fund utilization for the Year 1 budget is 88.71%.

INITIATIVES AND ACHIEVEMENTS

A. TTLO/ITSO IP SERVICES

The Technology Transfer and Licensing Office (TTLO) successfully delivered numerous activities and services at the start of the year supporting innovation and intellectual property protection across diverse fields.



A.1.5. A Composition of Fiber-Based Packaging and Process of Making thereof (Date of application: December 2, 2024)

A.1.6. Vehicle Monitoring Method (Date of application: April 1, 2024)

A.1.7. Fish Attractor (Date of application: April 18, 2024)



INTELLECTUAL PROPERTY OFFICE OF THE PHILIPPINES

P O Box 110, Upper Mabini Road, Marikina City 1600

Tel: (02) 8866 1100, Fax: (02) 8866 1101

E-mail: ipo@ipo.gov.ph

REQUEST FOR GRANT OF A PHILIPPINE PATENT

FISH ATTRACTOR METHOD

12024030197

Applicant Reference No. : IPO/REG/REGISTRATION

Submission Date : 18 April 2024

APPLICANT(S)

Name : CARAGA FOOD INNOVATION CENTER

Address : National Highway 4001, Butuan, 8600 Agusan del Norte

Country : Philippines

E-Mail : info@caraga-icc.org.ph

INVENTOR(S)

Name : JORDAN, JAMES B.

Address : T. CUMAYO ST., BARANGAY 11, CAGMAYANAN, 8600, Agusan del Norte

Country : Philippines

AGENT REPRESENTATIVE

Name : GREGO, RICHARD L.

Address : National Highway, 3001, Butuan, 8600, Agusan del Norte

E-Mail : info@caraga-icc.org.ph

PRIORITY CLAIM

NONE

DOCUMENTS SUBMITTED

Document : Fish Attractor Method.pdf

Claims : Fish Attractor Method.pdf

Abstract : Fish Attractor Method.pdf

Drawing : Fish Attractor Method.pdf

Page 2 of 2

A.1.8. Vegetable-based Frozen Dessert (Date of application: October 27, 2024)



INTELLECTUAL PROPERTY OFFICE OF THE PHILIPPINES

P O Box 110, Upper Mabini Road, Marikina City 1600

Tel: (02) 8866 1100, Fax: (02) 8866 1101

E-mail: ipo@ipo.gov.ph

REQUEST FOR GRANT OF A PHILIPPINE PATENT

VEGETABLE-BASED FROZEN DESSERT

12024050595

Applicant Reference No. : IPO/REG/REGISTRATION

Submission Date : 27 October 2024

APPLICANT(S)

Name : CARAGA FOOD INNOVATION CENTER

Address : T. CUMAYO ST., BARANGAY 11, CAGMAYANAN, 8600, Agusan del Norte

Country : Philippines

E-Mail : info@caraga-icc.org.ph

INVENTOR(S)

Name : RICHARD, JAMES B.

Address : T. CUMAYO ST., BARANGAY 11, CAGMAYANAN, 8600, Agusan del Norte

Country : Philippines

AGENT REPRESENTATIVE

Name : GREGO, RICHARD L.

Address : National Highway, 3001, Butuan, 8600, Agusan del Norte

E-Mail : info@caraga-icc.org.ph

PRIORITY CLAIM

NONE

DOCUMENTS SUBMITTED

Document : Vegetable-based Frozen Dessert.pdf

Claims : Vegetable-based Frozen Dessert.pdf

Abstract : Vegetable-based Frozen Dessert.pdf

Drawing : Vegetable-based Frozen Dessert.pdf

Page 2 of 2

TRADEMARK (TM)

A.1.9. Caraga Food Innovation Center (CFIC) – CSU FIC

Facilitated the preparation and filing of the trademark “Caraga Food Innovation Center” with the IPOPHL. The trademark was applied for registration on February 26, 2024.



CARAGA FOOD INNOVATION CENTER (CFIC)

8. GOODS AND SERVICES

Class : Goods and Services

MEAT, FISH, PRESERVED, FROZEN, DRIED AND COOKED FRUITS AND VEGETABLES, JELLIES, AND EGG, MILK, CHEESE, BUTTER, YOGURT AND OTHER MILK PRODUCTS, OILS AND FATS FOR FOOD.

9. PRIORITY CLAIMS

42. CLASS 42: SCIENTIFIC AND TECHNOLOGICAL SERVICES.

10. MARK DESCRIPTION / DISCLAIMER

Trademark Description: The Caraga Food Innovation Center, or Caraga FIC, is a center dedicated to transforming concepts into products and strong local innovations. The logo features a leaf symbolizing growth and innovation, a stylized sun representing energy and passion, and a circular arrow indicating a continuous cycle of innovation and development.

Disclaimer: Caraga Food Innovation Center

11. TRANSLATION / TRANSLITERATION

NONE

A.1.10. Regional Agri-Aqua Innovation System Enhancement (RAISE) in Caraga logo

Facilitated preparing and filing the trademark “RAISE CARAGA” with the IPOPHL. The trademark was applied for registration on July 1, 2024.

A.1.11. CSU Cultural Mark

[illegible]

A.1.12. Caraga State University (CSU)

[illegible]

INDUSTRIAL DESIGN

A.1.13. CSU Covered Walkway

Filing Date: July 22, 2024

 INTELLECTUAL PROPERTY OFFICE OF THE PHILIPPINES PATENT AND TRADEMARK DIVISION P.O. Box 1176, Manila 1000 Philippines		
APPLICATION FOR REGISTRATION OF INDUSTRIAL DESIGN		
Filing Information	Applicant's Name	Registered Date
Title of the Design	CSC Computer Monitor	
APPLICANT'S INFORMATION		
Name	Laniga Micaela Maria-Lo	
Address	Angeles, Marikina City, Philippines, District 800, Agate del Norte	
Civilty	Philippines	
Country	Netherlands-Antilles	
DESIGNER'S INFO		
Name	Jordhuis, Jeroen L.	
Address	Arnhem, Holland City, Philippines, 8617 AA-DA (DIT), 6801, Agate del Norte	
Country	Philippines	
AGENT INFORMATION		
Name	City International & Technology Support (MNL) P.V.O.	
Address	Imperial Drive, 8000 Agate del Norte	
Country	Netherlands-Antilles	
PROPERTY CLASS		
NONE		
DOCUMENT SUBMITTED		
Specification and drawings in pdf : 2 pages		
Drawings	Overview, exploded - 2 pages	
Date of depositing	21 Dec 2015 at 12:53 (Drawing not yet Examined) Class is Granted by Registrar, Claims are not examined. Copyright © 2015	
Representative DRAWING		
		
FEES		
Amount of Filing Payment		
Paid Date:	No. of Documents	Amount Paid

Target Accomplishments: Each TE (Full-time/Faculty) should file at least five (5) Patent applications. Hence, a total of 10 Patent Applications.

Milestones: *TTLO (Full-time/Faculty) have filed a total of 8 applications. 5 from the Butuan City campus, and 3 from the Cabadbaran City campus. 8 for patent; 4 for copyrights; 1 for ID; and 4 for TM.*

A.2. IP PROSECUTIONS

Patent/UM Applications

Substantive Examination Reports

A.2.1. An Insect Trap

- Responded SER
- January 26, 2024

 **Canga State University**
Technology, Research and Licensing Office
Tagaytay, Bataan, Philippines
0401-010-10000000

 **DepEd Division Office - Marikina City**
Marikina City, Philippines

 **DepEd Division Office - Marikina City**
Marikina City, Philippines

ATTY. ANN N. EDILLON
Director IV
Bureau of Patents
Intellectual Property Office of the Philippines (IPOPHL)
38 Orlanway Road, McKinley Hill Town Center
Fort Bonifacio, Taguig City 1634, Philippines

Application Type(s): **Invention 13261-00000**
Filing Date: **31 August 2001**
Assignee: **CANGA STATE UNIVERSITY**
Title: **AN INTRAC TAP**
Director: **Inventions (CGEED)**
Examiner: **Adrian S. Mendoza**

Dear Atty. Edillon:
Greetings

The writer is in response to the Substantive Examination Report (SER) on the above-referenced application. The SER is enclosed at Page No. 1.

In view of Canga State University, I wish to submit the amended statements concerning the formally objected to claim 4 of 1 SER, as well as to pay the necessary fee to the Bureau Insurance of Letters Patent, Certificate, Second Publication Fee, and Legal Research Fund Fee.

I am looking forward to your favorable action on this request.

Very truly yours,

KENNETH C. OCHOA
Managing ITSO Director, TTU
Canga State University

A.2.2. Automated Dust Suppression and Monitoring System

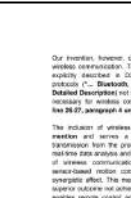
- Responded SER
- March 5, 2024



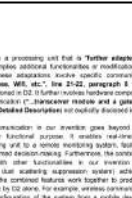
Caraga State University
Technology Transfer and Licensing Office
Division Office - Butuan City
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March 5, 2024

ATTY. ANN N. EDLLOW
Director IV
Bureau of Patents
Intellectual Property Office of the Philippines (IPOPHL)
28 Upper McKinley Road, McKinley Hill Town Center
Fort Bonifacio, Taguig City 1634, Philippines

Application Type/No.: Invention 1021058806
Filing Date: 17 January 2019
Applicant: CARAGA STATE UNIVERSITY
Title: AUTOMATED DUST SUPPRESSION AND MONITORING SYSTEM
Examiner: Patsy B. Sison R. Ordoñez

Dear Atty. Edillo:

This pertains to the above-referenced application relative to the following instructions:

1. NOTICE TO PAY ANNUAL FEE UNDER RA 8203 (Patent Rights) dated February 15, 2024, with document number 2024-10270.
2. Substantive Examination Report (SER) dated January 5, 2024, marked as Paper No. 6.

On behalf of Caraga State University, I would like to pay for said annual fee, and:

1. Substantive Examination Report (SER) dated January 5, 2024, marked as Paper No. 6.

Relative to the findings for Claims 1 to 6, with respect to prior art documents D1 and D2, as not allowable due to lack of inventive steps, as well as the drawings not in accordance with Rule 41 of the Revised IPB 2022, please find the applicant's response below:

CLAIM 1:

- a. Novelty

Amended Claim 1 has met the requirements of novelty over D1.

- a. Inventive Step

Amended Claim 1 is now novel over D1 and D2, as discussed below:

While Document D2 recites "wireless communication" for the data, paragraph 6 fails to disclose the specific implementation details or technical phenomenon necessary to achieve wireless communication. The novelty is now achieved in a person skilled in the art to implement wireless communication in the context of D1.

Our invention, however, claims a processing unit that is "further adapted" for wireless communication. This implies additional functionalities or modifications not explicitly described in D2. These adaptations include specific communication protocols ("... Bluetooth, Zigbee, Wi-Fi, etc.", line 21-22, paragraph 6 under Detailed Description) not mentioned in D2. D further recites hardware components necessary for wireless communication ("... transmitter module and a gateway", line 26-27, paragraph 6 under Detailed Description) not explicitly disclosed in D2.

The inclusion of wireless communication in our invention goes beyond mere recitation and serves a clear functional purpose. It enables real-time data transmission from the processing unit to a remote monitoring system, facilitating real-time data analysis and informed decision-making. Furthermore, the combination of wireless communication with other functionalities in our invention (e.g., sensor-based motion control, dust sampling equipment, vacuum system) is synergistic in effect. This means the combined features work together to produce a superior outcome not achievable by D2 alone, for example, wireless communication enables remote control and configuration of the system from a mobile device or computer.

Even such a combination to implement the teachings of D2 and D1, a person skilled in the art would not arrive at the subject matter of Claim 1 and requires further steps. Therefore, Claim 1 is a new invention.

CLAIMED 2-6

Claims 2 to 6 is a new invention with respect to Documents D1 and D2, depending on inventive claim 1.

- a. Industrial Applicability

Claims 1-6 are considered as industrially applicable since an automated dust suppression and monitoring system can be produced and used in the industry.

- a. Formality Defects

The amended drawings include "f" for numbering the drawing sheets as cited in item 4.1 of Paper No. 6.

In view of the claim amendments and arguments mentioned above, the applicant respectfully submits that the subject patent application may now be granted.

Respectfully yours,

[Signature]
KIMBERLY E. CALABAD
Manager, ITSO/ Director, TTLO
Caraga State University

A.2.3. An Apparatus for Demonstrating Projectile Motion and Free-fall Body

- Responded SER and requested for UM conversion (May 31, 2024)
- Requested for revival of application and subsequently approval for the UM conversion (August 27, 2024)



Caraga State University
Technology Transfer and Licensing Office
Division Office - Butuan City
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May 31, 2024

ATTY. ANN N. EDLLOW
Director IV
Bureau of Patents
Intellectual Property Office of the Philippines (IPOPHL)
28 Upper McKinley Road, McKinley Hill Town Center
Fort Bonifacio, Taguig City 1634, Philippines

Application Type/No.: Invention 10221059487
Filing Date: 28 September 2021
Applicant: CARAGA STATE UNIVERSITY
Title: AN APPARATUS FOR DEMONSTRATING PROJECTILE MOTION AND FREE-FALL BODY
Examiner: Eduardo I. Vilasca, Jr.

Dear Atty. Edillo:

Greetings!

This is pertaining to the above-referenced application.

On behalf of Caraga State University, I would like to request for Conversion from Invention to Utility Model and pay for the prescribed fee + USF.

I also attached the amended claims and drawings correcting the formality defects as cited in item 4.1-4.3 of the subsequent Substantive Examination Report marked as Paper No. 6.

I am looking forward to your approval of this request.

Very truly yours,

[Signature]
KIMBERLY E. CALABAD
Manager, ITSO/ Director, TTLO
Caraga State University

August 27, 2024

ATTY. ANN N. EDLLOW
Director IV
Bureau of Patents
Intellectual Property Office of the Philippines (IPOPHL)
28 Upper McKinley Road, McKinley Hill Town Center
Fort Bonifacio, Taguig City 1634, Philippines

Application Type/No.: Invention 10221059487
Filing Date: 28 September 2021 (28.09.2021)
Applicant: CARAGA STATE UNIVERSITY (PSE)
Title: AN APPARATUS FOR DEMONSTRATING PROJECTILE MOTION AND FREE-FALL BODY
Examiner: Eduardo I. Vilasca, Jr.

Dear Atty. Edillo:

Greetings!

Good day!

I am writing on behalf of Caraga State University to respectfully request the revival of our patent application, cited above, which was withdrawn due to the failure to respond to the Substantive Examination Report (SER) issued on February 20, 2024.

We understand that a response to the SER was required. Unfortunately, the IP portfolio in our office was neglected due to the transfer of responsibilities to new staff members. This oversight resulted in the missed deadline, leading to the withdrawal of the application. Our office sincerely regrets the application into a Utility Model (UM), dated May 31, 2024. However, due to the overdue responses, the application was withdrawn, and the conversion did not proceed.

We sincerely apologize for the unintentional delay and we wish to seek approval from your office to revive our application and further conversion of the application to UM.

Very truly yours,

[Signature]
KIMBERLY E. CALABAD
Manager, ITSO/ Director, TTLO
Caraga State University

A.2.4. A Device for Molding Cocoa Mass into Tablea

- Responded SER
- January 4, 2024



Caraga State University
Technology Transfer and Licensing Office
Division Office - Butuan City
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January 4, 2024

ATTY. LOLBETH R. MEDRANO
Director IV
Bureau of Patents
Intellectual Property Office of the Philippines (IPOPHL)
28 Upper McKinley Road, McKinley Hill Town Center
Fort Bonifacio, Taguig City 1634, Philippines

Application Type/No.: INVENTION 10221059662
Filing Date: 9 December 2021
Applicant: CARAGA STATE UNIVERSITY
Title: A DEVICE FOR MOLDING COCOA MASS INTO TABLEA
Examiner: Cresante R. Macarita, Jr.

Dear Atty. Medrano:

Greetings!

This letter is in response to the Substantive Examination Report (SER) on the above-referenced application. The SER is marked as Paper No. 7.

On behalf of Caraga State University, I wish to submit the amended documents, i.e. abstract, descriptions, and claims correcting the formality defects cited in item 4.1 of SER. However, we are unable to retain the page number of the Abstract which was cited in item 4.2 to be changed to page number 2, for possible clarification.

Moreover, I would like to pay the necessary fees for the issuance of Letters Patent Certificate, Second Publication Fee, and Legal Research Fund Fee.

I am looking forward to your favorable action to this request.

Very truly yours,

[Signature]
KIMBERLY E. CALABAD
Manager, ITSO/ Director, TTLO
Caraga State University

A.2.5. A Device for Slicing Snack-based Food Products

- Responded SER and requested for UM conversion
- October 7, 2024



Caraga State University

Technology Transfer and Licensing Office

CSU-Main Campus, Ampayon, Butuan City

Competence Service Uprightness

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October 7, 2024

ATTY. ANN R. EDILLON
Director IV
Bureau of Patents
Intellectual Property Office of the Philippines (IPOPHL)
20 Upper McKinley Road, McKinley Hill Town Center
Fort Bonifacio, Tagay City 1634, Philippines

Application Type/No.: Invention 1062000067
Filing Date: 22 December 2022 (22.12.2022)
Applicant: CARAGA STATE UNIVERSITY (PHE)
Title: A DEVICE FOR SLICING SNACK-BASED FOOD PRODUCTS
Division: Inventions (D2000)
Examiner: Adrian S. Mendosa

Dear Atty. Edillon:

Greetings!

This is pertaining to the above-referenced application.

On behalf of Caraga State University, I would like to request for Conversion from Invention to Utility Model and pay the necessary fees.

I also attached the amended claims correcting the formality defects as cited in Item 4.1 of the subsequent Substantive Examination Report marked as Paper No. 2.

I am looking forward to your approval of this request.

Very truly yours,

Roderick C. Mendoza
Manager, ITSD / Director, TTLO
Caraga State University

Formality Examination Reports

- A.2.6. A Device for Extracting Sago Starch
- Responded FER and requested for SER
 - July 22, 2024



Caraga State University

Technology Transfer and Licensing Office

CSU-Main Campus, Ampayon, Butuan City

Competence Service Uprightness

www.itso.carsu.edu.ph



July 22, 2024

ATTY. ANN R. EDILLON
Director IV
Bureau of Patents
Intellectual Property Office of the Philippines (IPOPHL)
20 Upper McKinley Road, McKinley Hill Town Center
Fort Bonifacio, Tagay City 1634, Philippines

Application Type/No.: Invention 1062000078
Filing Date: 7 July 2022
Applicant: CARAGA STATE UNIVERSITY
Title: A DEVICE FOR EXTRACTING SAGO STARCH
Division: Inventions (D200)
Examiner: Anthony John C. Rebarano

Dear Atty. Edillon:

Greetings!

This is in response to the Formality Examination Report (FER) on the above-referenced application, with the Formality Defects indicated below.

1.1 Claims

1.1.1 Claim 1 shall be in a one-sentence form starting with a capital letter and ending with a period.

1.2 Abstract

1.2.1 The abstract shall be written with the heading, "Abstract of the Disclosure."

With this, we are hereby submitting duplicate copies of the amended claims and abstract per FER requirement correcting the defects cited above.

On behalf of Caraga State University, I wish to submit the amended documents and request in advance for a Substantive Examination Report (SER).

I am looking forward to your approval of this request.

Very truly yours,

Roderick C. Mendoza
Manager, ITSD / Director, TTLO
Caraga State University

- A.2.7. A Weight-based Fuel Consumption Metering Device for Engine
- Responded FER and requested for SER
 - July 22, 2024



Caraga State University

Technology Transfer and Licensing Office

CSU-Main Campus, Ampayon, Butuan City

Competence Service Uprightness

www.itso.carsu.edu.ph



July 22, 2024

ATTY. ANN R. EDILLON
Director IV
Bureau of Patents
Intellectual Property Office of the Philippines (IPOPHL)
20 Upper McKinley Road, McKinley Hill Town Center
Fort Bonifacio, Tagay City 1634, Philippines

Application Type/No.: Invention 1062000068
Filing Date: 22 December 2022
Applicant: CARAGA STATE UNIVERSITY
Title: A WEIGHT-BASED FUEL CONSUMPTION METERING DEVICE FOR ENGINE
Division: Inventions (D200)
Examiner: Paul Anthony B. Emparano

Dear Atty. Edillon:

Greetings!

This is in response to the Formality Examination Report (FER) on the above-referenced application, with the Formality Defects indicated below.

1.1 Claims (Sec. 36.1)

1.1.1. Presently submitted claim 1 is improper. The phrase, "a LCD" found in line 28 of page 7 should be replaced by the phrase, "an LCD" to make the claim more comprehensive. Furthermore, the term "it" found in lines 21 and 28 of said page 7 should be replaced by a specific term or element being referenced.

1.2. Claim(s) (Sec. 35.10)

1.2.1. The names of the drawings, "ANTONIO D. CACAYAN JR.", "JACK D. BUSTILLOS", and "ARNOLO D. ARDOYAN" found in every sheet of the drawings should be removed.

1.2.2. All the sheets of the drawings must be numbered sequentially relative to each other and shall appear in the center of either the top or bottom margin according to Rule 47(b) of the Revised IPR. The series of page numbers shall be independent of the numbering for the abstract, description, and claims. The numbering for the drawing sheets shall be in Arabic numerals separated by a "." the first number representing the sheet number and the second representing the total number of drawing sheets. For example, "101" refers to the first sheet of drawing out of five total sheets.

With this, we are hereby submitting the amended claims and drawings per FER requirement correcting the defects cited above.

On behalf of Caraga State University, I wish to submit the amended documents and request in advance for a Substantive Examination Report (SER).

I am looking forward to your approval of this request.

- A.2.8. A Device for Slicing Snack-based Food Products
- Responded FER and requested for SER
 - July 22, 2024



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July 22, 2024

ATTY. ANN N. EDILLON

Director IV

Bureau of Patents

Intellectual Property Office of the Philippines (IPOPHL)

28 Upper McKinley Road, McKinley Hill Town Center

Fort Bonifacio, Taguig City 1634, Philippines

Application Type/No.: Invention 100200887

Filing Date: 22 December 2023

Applicant: CARAGA STATE UNIVERSITY

Title: A DEVICE FOR BLOWING SNACK-BASED FOOD PRODUCTS

Division: Invention (C02D)

Examiner: Adrian S. Mendez

Dear Atty. Edillon:

Greetings!

This is in response to the Formality Examination Report (FER) on the above-referenced application, with the Formality Defects indicated below:

1.1. Drawings

1.1.1. The drawings are not in accordance with Rule 4 (2)(c) of the Revised IPR. All sheets of the drawings must be numbered sequentially relative to each other and shall appear in the center of either the top or bottom margin. The series of page numbers shall be independent of the numbering for the abstract, description, and claims. The numbering for the drawings shall be in Arabic numerals preceded by a "T", the first number representing the sheet number and the second representing the total number of drawing sheets. For example, "10" refers to the first sheet of the sequence taking out of five total sheets.

With this, we are hereby submitting duplicate copies of the amended drawings per FER requirement enclosing the defects cited above.

On behalf of Caraga State University, I wish to submit the amended documents and request in advance for a Substantive Examination Report (SER).

I am looking forward to your approval of this request.

Very truly yours,



KENNETH C. CUSAD

Manager, ITSO / Director, TTLO

Caraga State University

- A.2.9. Monitoring and Controlling of Floating Photovoltaic System
- Responded FER and requested for Early Search Report (ESR)
 - October 4, 2024



Caraga State University

Technology Transfer and Licensing Office

Competence Service Uprightness

www.itso.carsu.edu.ph



October 2, 2024

ATTY. ANN N. EDILLON

Director IV

Bureau of Patents

Intellectual Property Office of the Philippines (IPOPHL)

28 Upper McKinley Road, McKinley Hill Town Center

Fort Bonifacio, Taguig City 1634, Philippines

Application Type/No.: Invention 1002008848

Filing Date: 28 June 2024

Applicant: CARAGA STATE UNIVERSITY (PH)

Title: MONITORING AND CONTROLLING OF FLOATING PHOTOVOLTAIC SYSTEM

Division: Invention (E22D)

Patent Examiner: Marissa P. Andara

Dear Atty. Edillon:

Greetings!

This is in response to the Formality Examination Report (FER) on the above-referenced application. The FER is marked as Paper No. 4 and mailed on October 1, 2024.

The FER cited that the applicant failed to submit Proof of Authority, such as Special Power of Attorney or the like, being the other person to sign the application, for and in behalf of a juridical person. In light of this, on behalf of the Caraga State University, ITSO Director, I, the undersigned, have obtained my Special Order as ITSO General Manager, authorizing me to represent the University in any ITSO-related activities.

Also enclosed herewith are the amended description, amended claims and amended abstract considering the findings cited in item 1.1.2. Additionally, I would like to request for an Early Search Report for the application.

I am looking forward to your favorable action to this request.

Very truly yours,



KENNETH C. CUSAD

Manager, ITSO / Director, TTLO

Caraga State University

- A.2.10. A Portable Workstation Desk
- Responded FER
 - November 4, 2024



Caraga State University

Technology Transfer and Licensing Office

Competence Service Uprightness

www.itso.carsu.edu.ph



November 12, 2024

ATTY. ANN N. EDILLON

Director IV

Bureau of Patents

Intellectual Property Office of the Philippines (IPOPHL)

28 Upper McKinley Road, McKinley Hill Town Center

Fort Bonifacio, Taguig City 1634, Philippines

Application Type/No.: Utility Model 1002009995

Filing Date: 13 August 2023

Applicant: CARAGA STATE UNIVERSITY (PH)

Title: A PORTABLE WORKSTATION DESK

Division: Utility Models (A05D)

Examiner: Abel Y. Asabala

Dear Atty. Edillon:

Greetings!

This is in response to the Formality Examination Report (FER) on the above-referenced application. The FER is marked as Paper No. 2.

On behalf of Caraga State University, I wish to submit the amended documents: Abstract, Description, Drawings, and Claims, including a make-up sheet, taking into account the comments/suggestions cited in items 1.1 and 2.4 of the FER.

In addition, I wish to submit a Proof of Authority as cited in item 2.5 of the FER and pay the publication fee of Php 100.00 inclusive of LUP as cited in item 2.1 of the FER.

I look forward to your favorable action on this request.

Very truly yours,



KENNETH C. CUSAD

Manager, ITSO / Director, TTLO

Caraga State University

Early Search Reports

- A.2.11. An Integrated Machine for Processing Potatoes
- Requested for ESR
 - July 19, 2024



July 19, 2024

ATTY. ANN N. EDLON
Director IV
Bureau of Patents
Intellectual Property Office of the Philippines (IPOPLI)
28 Upper McKinley Road, McKinley Hill Town Center
Fort Bonifacio, Taguig City 1554, Philippines

Application TypeNo: 13223100427
Filing Date: 17 July 2023
Applicant: CARAGA STATE UNIVERSITY
Title: AN INTEGRATED MACHINE FOR PROCESSING POTATOES
Division: Inventions (MEI)
Examiner: Eduardo I. Villasis, Jr.

Dear Atty. Edillon:

Greetings!

This letter pertains to the patent application cited above. The application received an Acknowledgment and Accordance of Filing Date last September 7, 2023, with the findings that "rendering this application COMPLETE as provided in these Regulations."

On behalf of Caraga State University, I would like to request for an Early Search Report for the application.

I am looking forward to your favorable action to this request.

Very truly yours,

KENNETH L. CUDIAO
Manager, TTLO / Director, TTLO
Caraga State University

A.2.12. A Device for Harvesting Agricultural Compost

- Requested for ESR
- July 19, 2024



July 19, 2024

ATTY. ANN N. EDLON
Director IV
Bureau of Patents
Intellectual Property Office of the Philippines (IPOPLI)
28 Upper McKinley Road, McKinley Hill Town Center
Fort Bonifacio, Taguig City 1554, Philippines

Application TypeNo: 13223100676
Filing Date: 13 November 2023
Applicant: CARAGA STATE UNIVERSITY
Title: A DEVICE FOR HARVESTING AGRICULTURAL COMPOST
Division: Inventions (MEI)
Examiner: Mark Darius P. Ordo

Dear Atty. Edillon:

Greetings!

This letter pertains to the patent application cited above. The application received an Acknowledgment and Accordance of Filing Date last February 7, 2024, with the findings that "rendering this application COMPLETE as provided in these Regulations."

On behalf of Caraga State University, I would like to request for an Early Search Report for the application.

I am looking forward to your favorable action to this request.

Very truly yours,

KENNETH L. CUDIAO
Manager, TTLO / Director, TTLO
Caraga State University

A.2.13. A Processing Device for Cacao Beans

- Requested for ESR
- July 19, 2024



July 19, 2024

ATTY. ANN N. EDLON
Director IV
Bureau of Patents
Intellectual Property Office of the Philippines (IPOPLI)
28 Upper McKinley Road, McKinley Hill Town Center
Fort Bonifacio, Taguig City 1554, Philippines

Application TypeNo: 13223100722
Filing Date: 13 November 2023
Applicant: CARAGA STATE UNIVERSITY
Title: A PROCESSING DEVICE FOR CACAO BEANS
Division: Inventions (MEI)
Examiner: Bernadette L. Alon

Dear Atty. Edillon:

Greetings!

This letter pertains to the patent application cited above. The application received an Acknowledgment and Accordance of Filing Date last March 8, 2024, with the findings that "this application is now considered COMPLETE under the aforesaid section."

On behalf of Caraga State University, I would like to request for an Early Search Report for the application.

I am looking forward to your favorable action to this request.

Very truly yours,

KENNETH L. CUDIAO
Manager, TTLO / Director, TTLO
Caraga State University

A.2.14. A Portable Device for Harvesting Fleshy Drupes

- Requested for ESR
- July 19, 2024



Caraga State University
Technology Transfer and Licensing Office
Competence Service Uprightness
www.itso.carsu.edu.ph

July 19, 2024

ATTY. ANN N. EDLON
Director IV
Bureau of Patents
Intellectual Property Office of the Philippines (IPOPHL)
28 Upper McKinley Road, McKinley Hill Town Center
Fort Bonifacio, Taguig City 1004, Philippines

Application Type/No: 10204090111
Filing Date: 8 March 2024
Applicant: CARAGA STATE UNIVERSITY
Title: A PORTABLE DEVICE FOR HARVESTING FLESHY DRUPES
Division: Inventors (RED)
Examiner: Jayson B. Jarboe

Dear Atty. Edlon:

Greetings!

This letter pertains to the patent application cited above. The application received an Acknowledgment and Acceptance of Filing Date last April 2, 2024, with the findings that this application is now considered **COMPLETE** under the above-stated section.

On behalf of Caraga State University, I would like to request for an **Early Search Report** for the application.

I am looking forward to your favorable action to this request.

Very truly yours,

Kenneth L. Cusano
Officer, ITSO Director, TTLO
Caraga State University

A.2.15 A Mixture of Plant Extracts for Hair Growth Promotion

- Requested for ESR
- October 4, 2024

Caraga State University
Technology Transfer and Licensing Office
Competence Service Uprightness
www.itso.carsu.edu.ph

October 4, 2024

ATTY. ANN N. EDLON
Director IV
Bureau of Patents
Intellectual Property Office of the Philippines (IPOPHL)
28 Upper McKinley Road, McKinley Hill Town Center
Fort Bonifacio, Taguig City 1004, Philippines

Application Type/No: Invention 1020409069
Filing Date: 21 July 2024
Applicant: Caraga State University (CSU) PH
Title: A MIXTURE OF PLANT EXTRACTS FOR HAIR GROWTH PROMOTION
Division: Inventors (BMD)
Patent Examiner: Raulo Vincent A. Llaneta

Dear Atty. Edlon:

Greetings!

This letter pertains to the patent application cited above. The application received an Acknowledgment and Acceptance of Filing Date last October 2, 2024, with the findings that this application is now considered **COMPLETE**.

On behalf of Caraga State University, I would like to request for an **Early Search Report** for the application.

I am looking forward to your favorable action to this request.

Very truly yours,

Kenneth L. Cusano
Officer, ITSO Director, TTLO
Caraga State University

Email Correspondence with IPOPHL

A.2.16. Plastic Bottle Recovery

- Emailed BOP Records for the status of the application
- July 25, 2024

Inquiry on the Status of **PLASTIC BOTTLE RECOVERY MACHINE** External Internal

CARSU ITSO  itso@carsu.edu.ph To BOP, Cibo 

Dear Ma'am Sir,

I am writing to inquire about the status of our patent application for the **Plastic Bottle Recovery Machine** (Patent Application No. 12020050269). Upon checking our records, we submitted a request to convert the patent application to Utility Model (UM) last August 31, 2021, for which we paid Pnp 340.00 with QR number eCR18/7869.

We have not received any emails or updates since the conversion request was submitted. May we know the progress of our request and the overall status of the application?

I am attaching the acknowledgement of the conversion request and the eQR for the payment made.

Thank you very much for your assistance in this matter. We look forward to your response.

Best regards,

 eCR18/7869_official (conversion to UM).pdf

 SHQ08L031082021PLN_12020050269.pdf

A.2.17 A Portable Workstation Desk

- Emailed the examiner on the status of the application
- October 7, 2024



Status: A PORTABLE WORKSTATION DESK

Export

Print

 CARSU ITSO - itso@carsu.edu.ph
to: amrmessia, Dennis, SCPI, Diedo

Mon, Oct 1, 2024, 10:58 AM

Sir,

Good day

We would like to inquire about the status of our patent application titled **A PORTABLE WORKSTATION DESK**, with Application No. **Invention 1/2220/050271**. The last update we received was the Conversion Order, confirming that the conversion of the application from Invention to Utility Model has been granted.

We appreciate your attention to this matter and look forward to your response.

Best regards,

Kenneth L. Ciudad
ITSO Manager/ TTLO Director
Caraga State University

Technology Transfer and Licensing Office (TTLO)
Innovation and Technology Support Office (ITSO)
Caraga State University
Ampayon, Butuan City, Philippines 8600
Phone Number: 341-2299 loc. 209
Website: <http://itso.carsu.edu.ph/>

A.2.18 An Automated Brooding System

- Emailed IPOPHL cashier regarding the status of the payment of the application
- October 3, 2024

 CARSU ITSO - itso@carsu.edu.ph
to: BOP

Tue, Oct 3, 2024, 1:10 PM

Thank you for the update

In addition, we would like to inquire about the status of our other two patent applications, for which we have not yet received any Acknowledgement and Accordance of Filing Date or Formality Examination Report. The applications are as follows:

1. **An Automated Biomass-Fueled Crop Drying System** - Applied on November 14, 2023.

2. **Automated Brooding System** - Applied on May 31, 2024

Thank you for your attention to this matter. We look forward to your prompt response.

Sincerely,

Kenneth L. Ciudad
Manager, ITSO/Director, TTLO

Technology Transfer and Licensing Office (TTLO)
Innovation and Technology Support Office (ITSO)
Caraga State University
Ampayon, Butuan City, Philippines 8600
Phone Number: 341-2299 loc. 209
Website: <http://itso.carsu.edu.ph/>

Trademark Applications

A.2.19 Caraga Food Innovation Center (CFIC)

- Responded Notice of Issuance and Second Publication Fee
- Date of response: October 2, 2024



INTELLECTUAL PROPERTY OFFICE OF THE PHILIPPINES
3rd Floor, 26 Upper Alay Road, Victoria Park, San Carlos,
Pinar del Rio, Pinar del Rio, Pinar del Rio

ACKNOWLEDGEMENT

This is to acknowledge the online submission of the following request:

Reference Code: YTS10080102030FX

Application No.: 402340205171

Title: CARAGA FOOD INNOVATION CENTER

Request Type	Document Name/Size/Format
Issuance of Certificate of Registration	4-2024-001171-Notice of Issuance and Second Publication Fee-3-2020-3-22-202.pdf (21 KB XLSX Pages)

FEES	Fee Code and Description	Units	Amount/Price
Application Fee	7210 - Issuance Cert. of Reg.	1	570.00
	7220 - 2nd Pub.	1	900.00
	3200 - Legal Research Fund		14.70
TOTAL AMOUNT DUE:			1,484.70

IMPORTANT:

The filer of the document is responsible for the correctness of the documents or attachments submitted online to the IPOPHL.

If payment is required, the request shall be considered submitted on the date payment is made; otherwise, the request shall be considered submitted on the date of the online filing.

Date and time : 02 Oct 2024 10:38:19 AM

NOTE: This is an automatically generated statement. No signature is necessary.

A.2.20 CSU Tribal Design

- Responded Registrability Report
- Date of response: October 10, 2024





Caraga State University
Technology Transfer and Licensing Office
CSU-Main Campus, Ampayon, Butuan City
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BAGONG PILIPINAS

October 10, 2024

ATTY. JESUS ANTONIO Z. ROS
INTELLECTUAL PROPERTY OFFICE OF THE PHILIPPINES
BUREAU OF TRADEMARKS
Intellectual Property Center
No. 28 Upper McKinley Road
McKinley Hill Town Center,
Fort Bonifacio, Taguig City

Application No: 4/2024/0523630
Filing Date: 28 August 2024
Applicant: Caraga State University [PI]
Examiner: ANA-JESSICA O. BALDISSARMA
Supervisor: MARITES O. SALVEJO
Division: TMED IV

Dear Atty. Ros:

We respectfully submit this response to address the findings outlined in the Registrability Report regarding our trademark application for the figurative mark representing Caraga State University (CSU).

We respectfully assert that the applied mark is not merely an ornamental or decorative label but a distinctive figurative mark representing the identity of Caraga State University (CSU). The design encapsulates significant cultural and historical elements that symbolize CSU's values and identity. Specifically, the mark's design showcases the multi-cultural traditions of the Lumad (Indigenous Peoples), Christians, Muslims, and ABOIGAN neighbors in the Caraga region, with its use of CSU's official colors: yellow, green, orange, and black.

The colors and elements of the design are distinctively tied to CSU and are not generic or commonplace. They serve as a unique visual representation that identifies CSU as the origin of goods or services, meeting the requirements for distinctiveness as defined under Section 121.1 of the Intellectual Property Code of the Philippines (RA 8293). In line with the IP Code's guidelines, a mark is considered distinctive if it can differentiate the goods or services of one entity from another. We believe that this figurative mark accomplishes this by being inextricably linked with CSU's brand and its cultural heritage, which is well-known in the region. This mark is specifically designed to represent CSU's official identity, using its colors and cultural symbols, and is therefore not merely ornamental.

The WIPO's definition of figurative marks further underscores that logos and designs used to source identifiers are protected as trademarks if they distinguish the goods or services they represent. The CSU cultural mark meets this standard, as it will be used to represent goods in various classes (e.g., printed materials, clothing, foodstuffs), and consumers—particularly students, faculty, alumni, and stakeholders—will recognize it as an indicator of CSU's origin and quality.

Local Number: 208 (080) Email Address: ros@carsu.edu.ph
URL: www.itso.carsu.edu.ph



Caraga State University
Technology Transfer and Licensing Office
CSU-Main Campus, Ampayon, Butuan City
Competence Service Uprightness
www.itso.carsu.edu.ph



BAGONG PILIPINAS

- Responded Notice of Allowance to pay the Issuance Fee and Second Publication Fee
- Date of response: October 31, 2024



INTELLECTUAL PROPERTY OFFICE OF THE PHILIPPINES
IP Center, 28 Upper McKinley Road, Bonifacio Hill Town Center,
Fort Bonifacio, Taguig City 1667
PHILIPPINE PATENT OFFICE

ACKNOWLEDGEMENT

This is to acknowledge the online submission of the following request:

Reference Code : IPCH10K20142024040

Application No. : 4/2024/0523630

Title : CSU CULTURAL FIGURATIVE DESIGN

Request Type	Document Name(s) / Page(s)
Issuance of Certificate of Registration	4-2024-523630 Notice of allowance-national, B-2024-270204.pdf (1/30 of 302) Pages

FEES			
Application No.	Fee Code and Description	Units	Amount (Php)
4/2024/0523630	7210 - Issuance Cert. of Reg.	1	570.00
	7230 - 2nd Pub.	1	800.00
	1201 - Legal Research Fund		14.70
TOTAL AMOUNT DUE			1,484.70

IMPORTANT:

The tier of the document is responsible for the correctness of the documents or attachments submitted online to the IPOPHL.

If payment is required, the request shall be considered submitted on the date payment is made/online, else request shall be considered submitted on the date of the online filing.

Date and time : 31 Oct 2024 09:34:23 AM

NOTE: This is an automatically generated statement. No signature is necessary.

A.2.21. Caraga RAISE Logo

- Responded Registrability Report
- Date of response: October 10, 2024



Caraga State University
Technology Transfer and Licensing Office
CSU-Main Campus, Ampayon, Butuan City
Competence Service Uprightness
www.itso.carsu.edu.ph



BAGONG PILIPINAS

October 10, 2024

ATTY. JESUS ANTONIO Z. ROS
INTELLECTUAL PROPERTY OFFICE OF THE PHILIPPINES
BUREAU OF TRADEMARKS
Intellectual Property Center
No. 28 Upper McKinley Road
McKinley Hill Town Center,
Fort Bonifacio, Taguig City

Application No: 4/2024/0523681
Filing Date: 17 September 2024
Applicant: Caraga State University [PI]
Mark: RAISE CARAGA
Examiner: MARLOU R. VARRON
Supervisor: ARNOLDO F. RILLORAZA
Division: TMED IV

Dear Atty. Ros:

We appreciate the thorough review conducted by the Trademark Office regarding our application for the RAISE CARAGA logo. We would like to address the findings outlined in the Registrability Report and present our arguments in support of the registration of our trademark.

1. **Argument Against Similarity and Likelihood of Confusion**

a. **Distinctive Elements of the RAISE CARAGA Logo**

The RAISE CARAGA Logo incorporates unique design elements that distinctly differentiate it from the cited marks. The logo features a stylized outline formed by plant saplings, symbolizing agricultural growth, which is a significant conceptual departure from the registered marks. The integration of the Caraga map outline as the filament further emphasizes our brand's connection to regional identity, which is not present in the cited marks.

b. **Use of Color and Design**

The color gradient from yellow-orange to green used in our logo represents not only local natural resources but also a sense of progress and vitality in agriculture. This specific combination of colors and the unique graphic representation of a landscape made from saplings creates a strong visual identity that sets our mark apart from the cited trademarks.

2. **Addressing Descriptiveness of "MAP OF CARAGA REGION"**

We acknowledge the recommendation to disclaim the "MAP OF CARAGA REGION" as being descriptive of the geographic origin of the services, as well as the recommendation to amend the title of the mark to RAISE CARAGA. However, we argue that the term combination of "RAISE" and "Caraga", together with the design elements, creates a composite feature that conveys a specific vision, mission, and context of our program thereby enhancing the distinctiveness of the RAISE CARAGA logo, making it more than just a geographic descriptor.

Local Number: 208 (080) Email Address: ros@carsu.edu.ph
URL: www.itso.carsu.edu.ph



Caraga State University
Technology Transfer and Licensing Office
CSU-Main Campus, Ampayon, Butuan City
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BAGONG PILIPINAS

Industrial Design Application

A.2.22. Covered Walkway

- Responded Formality Examination Report (FER)
- Date of Response: November 12, 2024



Target Accomplishments: *Each TE (Full-time/Faculty) is expected to respond to at least four (4) Formality/Substantive Examination Reports by IPOPHL. Hence, a total of 16 responses.*

Milestones: *TEs (Full-time/Faculty) have prosecuted or responded to a total of 21 responses this year. 16 for patent; 1 UM; 1 for ID; and 3 for TM.*

A.3. PERFORM TECHNOLOGY SEARCHES, PATENT ANALYSIS, AND PAS REPORTS

- A.3.1. Process of Preparing Gluten-Free Brownies
- A.3.2. A Processing Device for Corn
- A.3.3. An Automated Brooding System
- A.3.4. Bio-Briquette Composition and Method of Making thereof
- A.3.5. Brownies Composition using Giant Swamp Taro
- A.3.6. Automated Deep-Frying Machine
- A.3.7. Hydrophobic Bag
- A.3.8. Device for Compacting Biomass Material
- A.3.9. Unmanned Surface Vehicle for Water Quality Monitoring with Fish Finder
- A.3.10. Flour Extracting Device
- A.3.11. Composition and Method for Preparation of Soil Inoculant as Suppressor of Soil-Borne Pathogens
- A.3.12. Energy Monitoring and Controlling System
- A.3.13. A Covering Device Against Weather Elements for an Automobile
- A.3.14. A Filter Paper
- A.3.15. Method for localizing the conversion of metal layer into transparent metal oxide using droplets
- A.3.16. Smart Battery System
- A.3.17. Robotic Irrigator
- A.3.18. Biochar-based Biofilter for Wastewater Treatment
- A.3.19. A Method for Producing a Fruit-Based Powdered Food Product
- A.3.20. An Educational Apparatus for Teaching Trigonometric Lessons
- A.3.21. Automated Soil Sampling and Storage System for Unmanned Ground Vehicles
- A.3.22. A Fishing Accessory
- A.3.23. Starch-Based Processing Device
- A.3.24. A composition comprising silica from Rice Husk Ash (RHA) and process of making thereof for silicone sealant

A.3.25. An Automated Clothesline Retrieval System

	1. PASR_PROCESS OF PREPARING GLUTEN-FREE BROWNIES_with sig.pdf 
	2. PASR_A processing Device for Corn.pdf 
	3. PASR_An Automated Brooding System_with sig.pdf 
	4. PASR_Bic-Briquette Composition and Method thereof.pdf 
	5. PASR_BROWNIES COMPOSITION USING GIANT SWAMP TARO (Cyrtosperma chamissonia) FLOUR_with sig.pdf 
	6. PASR_Automated Deep-frying Machine.pdf 
	7. PASR_Hydrophobic Bag_signed.pdf 
	8. PASR_Device for compacting biomass material_with sig.pdf 
	9. PASR_unmanned Surface Vehicle for Water Quality Monitoring with Fish Finder_with sig.pdf 
	10. PASR_Flour Extracting Device_signed.pdf 
	11. PASR_Composition and Method for Preparation of soil inoculant as Suppressor of soil-borne Pathogens_with sig.pdf 
	12. PASR_Energy Monitoring and Controlling System_signed.pdf 
	13. PASR_A Covering Device Against Weather Elements for an Automobile_with sig.pdf 
	14. PASR_A Filter Paper_signed.pdf 
	15. PASR_A Method for localizing the conversion of metal layer into transparent metal oxide using droplets_with sig.pdf 
	16. PASR_Smart Battery System_signed.pdf 
	17. PASR_Robotic Irrigator_signed.pdf 
	18. PASR_Biochar-based Biofilter for Wastewater Treatment_with sig.pdf 
	19. PASR_A Method for Producing a Fruit-Based Powdered Food Product_signed.pdf 
	20. PASR_An Educational Apparatus for Teaching Trigonometric Lessons_with sig.pdf 
	21. PASR_Soil Sampling Robot_signed.pdf 
	22. PASR_A Fishing Accessory_signed.pdf 
	23. PASR_Starch-Based Processing Device_signed.pdf 
	24. PASR_A composition comprising silica from Rice Husk Ash (RHA) and a method of making thereof for silicone sealant_signed.pdf 
	25. PASR_Automated Clothesline Retrieval System_signed.pdf 

Target Accomplishments: Each TE (Full-time) is expected to render to at least 12 patent search services, via Prior Art Search Report (PASR). Hence, a total of 24 PASR.

Milestones: This year, a total of 25 PASRs were accomplished.

A.4. REGISTERED IPs

PATENT GRANTED

A.4.1. A Device for Extracting out the Starch from Starch Producing Crop

Filing Date: December 7, 2020
Grant Date: April 3, 2024



A.4.2. A Device for Drying Agricultural Crops

Filing Date: December 9, 2021
Grant Date: May 29, 2024





A.4.3. A Device for Molding Cocoa Mass into Tablea
Filing Date: December 9, 2021
Grant Date: August 16, 2024



A.4.4. Insect Trap
Filing Date: August 31, 2021
Grant Date: August 16, 2024



UTILITY MODEL

A.4.5. Herb-Fruit Blend
Filing Date: December 7, 2021
Grant Date: July 5, 2024





TRADEMARK

A.4.6. Caraga Food Innovation Center (CFIC)

The Technology Transfer and Licensing Office (TTLO) has facilitated the registration of the trademark application for the Caraga Food Innovation Center (CFIC).
Filing Date: February 26, 2024
Date of registration: December 11, 2024



COPYRIGHTS

The TTLO’s dynamic involvement in handling requests and protecting intellectual assets, ensuring their rightful recognition, has successfully awarded four (4) valuable academic resources for copyrights as listed below:

A.4.7. Participation and Teaching Assistantship (Field Study 2) by Julie S. Berame, Minie L. Bulay, Leo L. Codilla, Jr., Ariel U. Cubillas, Maris T. Lasco, Gladys L. Lagura, Rissa L. Mercado, and Marichu D. Tulang

Filing Date: January 26, 2024
Registered: February 19, 2024

A.4.8. Laboratory Workbook in Developmental Biology by Joycelyn C. Jumawan and Jashin J. Rosal

Filing Date: January 29, 2024
Registered: February 19, 2024

A.4.9. Laboratory Workbook in Genetics by Shirlamaine Irina M. Calagui, Florence Jhun F. Almadin, Archie A. Along, Rovelyn P. Gallego, Jashin J. Rosal, and Chennie S. Naling

Filing Date: February 26, 2024
Registered: March 20, 2024

A.4.10. Guide to the Philippine Medicinal Plants Utilized by Butuanon by Dr. Leila Ombat, Dr.

Buy 1 Get 1 for Free!

Eat Chayote and Live Healthy!

Rich in Nutrients
Chayote is rich in essential vitamins, minerals, and fiber.

Contains Potent Antioxidants
Higher levels of antioxidants help fight free radicals and prevent chronic diseases.

Promote Heart Health
Higher levels of antioxidants help fight free radicals and prevent chronic diseases.

Promote Healthy Weight
Chayote is low in calories and high in fiber, which helps with digestion and promotes a healthy weight.

Chayote Peanut Bar

From the Food Innovation Center of Caraga State University, Cagayan Campus

TECHNOLOGY TRANSFER AND LICENSING OFFICE

TURN YOUR IDEAS INTO ASSETS

Services:

- IP APPLICATIONS
 - Patent searching & drafting assistance
 - Copyright, TM, & IP application assistance
- IP AWARENESS
 - Private training and workshops
- FACILITATES TECH TRANSFER

Core Functions:

- IP Education
- Policy Development
- IP Protection
- Technology Transfer

Support us by joining our efforts!



A.5.2. Brochures

Introduction:

The present invention relates to a device for extracting the seed of fruits and vegetables, specifically Kaong (Arenga pinnata).



Benefits:

- Short recovery period
- High revenue potential
- Hands-free operation
- Easy to use
- Fast extraction
- Labour-saving
- Low maintenance
- Portable

Application:

Kaong (Arenga pinnata) is a versatile fruit with various applications:

- Organic Sweeteners:** Used in popular desserts like halo-halo and buko salad.
- Preservation:** Can be preserved in bottles for extended shelf life.
- Fermented Products:** Utilized in the production of vinegar and wine.

Importance:

Emphasize the machine's role in streamlining the traditional manual extraction process.

Features:

The machine is capable of high processing capacity of **16 pieces per round or 528 pieces per hour**, with a cutting efficiency of **92.59%** and an extraction efficiency of **91.61%**.

IP Status

Intellectual Property Status
This technology has been filed at the Intellectual Property Office of the Philippines (IPOPHIL) under the invention category with application number 1-2019-050255.

Contact

KENNETH L. CUDAD
kenneth@carsu.edu.ph
kennethcudad@gmail.com
+63 917 831 8004
+63 916 985 2958

Business Development Opportunity

The worldwide demand for processed products from Kaong is growing continuously. However, the supply of raw materials is limited by the number and accessibility of natural stands. This technology bridges the gap in the market by enhancing production rates, convenience, and quality of Kaong. The Sugar Palm Industry can now compete effectively in both local and global markets.

This IC Material is produced through:



Kaong Extraction Machine

"Efficient, Hands-free, and Time-saving Kaong Extraction"

Caraga State University

IP STATUS:
Utility Model Granted
Registration No. 2/2021/050382

INTERESTED? CONTACT US:

KENNETH L. CUDAD
kenneth@carsu.edu.ph
kennethcudad@gmail.com
+63 917 831 8004
+63 916 985 2958

TTLO, CagSU, Ampayon, Butuan City

SNAIL COLLECTING DEVICE
for Wetland Rice Fields

- Easy to Operate
- Efficient
- Portable

This IC Material is produced through:



INNOVATIVE FEATURES & BENEFITS

This Snail Collecting Device aims to control the massive occurrence of Golden Apple Snail (GAS) in the lowland paddy and minimize rice production yield loss. It has a field capacity of 0.244 ha/hr, and a collecting efficiency of 27% higher than the hand-picking technique, which is only 0.13%.

The prototype has been developed and is ready for mass-scale production.

APPLICATIONS

This Snail Collecting Device aims to help the farmers lessen drudgery in containing GAS because of its efficiency.

- Convenient to use and adaptable to small and medium-scale farmers
- It also eliminates the application of molluscicides, which is the primary chemical applied to control the snails.



CARAGA STATE UNIVERSITY
A technology-oriented digital university and entrepreneurial university ready globally in science, engineering, and the arts by 2025.

VISION
As a transformative university, CSU is a responsive research of production and value creators who endeavor to create a sustainable future for the region, the nation, and beyond.

WHAT WE DO

IP EDUCATION & TRAINING
Liaise the Intellectual Property (IP), Technology Transfer, and Commercialization education in CSU.

POLICY DEVELOPMENT
Develop and implement policies and processes to enable IP protection, creation, and technology utilization in CSU.

IP PROTECTION & COMMERCIALIZATION
Pursue IP protection, technology transfer, and commercialization of university assets.

Contact Us:

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TECHNOLOGY TRANSFER AND LICENSING OFFICE

OUR SERVICES

Support of IP Awareness:

- Same as a patent search facility and know-how patent education.
- Provide with training in patent writing, patent searching, broader patent search services, and
- Organize in community of patent information users.

Support of IP Application:

- Provide general information on patent and patenting in patent drafting and prosecution.
- Provide patent drafting and prosecution services and
- Organize in community of experts to participate in patent prosecution.

Support of Tech Transfer:

- Broader IP audit and evaluation services.
- Provide licensing support.
- Provide advice on IP management.
- Broader patent drafting and prosecution services and
- Organize in community of experts to participate in patent prosecution.

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- Broader IP audit and evaluation services.
- Provide licensing support.
- Provide advice on IP management.
- Broader patent drafting and prosecution services and
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DID YOU KNOW?

CSU AS AN IP20 UNIVERSITY, HAS HELD FOSTER THE CREATION, PROTECTION, AND UTILIZATION OF INTELLECTUAL PROPERTY (IP), PARTICULARLY RELATED TO INVENTIONS AND UTILITY MODELS.

VISION

An innovation and technology support office serving the Caraga State University and the communities in the region, enabling and supporting research, innovation, and commercialization of potential invention for the benefit of the University and the communities in the region.

MISSION

The ITSO is committed to provide patent information and IP services to the Caraga State University and the communities in the region, and to support research and development which will have a positive social, economic, technological, and environmental impact to the University and the communities in the region.

TTLO was able to develop 7 IEC (4 posters and 3 brochures) materials in the form of a poster and a brochure. These materials are designed to show and promote the various services and products

offered by the office.

A.6. IP EDUCATION ACTIVITIES

The Technology Transfer and Licensing Office (TTLO) has conducted and participated in various Intellectual Property (IP) awareness activities, both within the university and in external engagements. These initiatives include organizing seminars, workshops, and training sessions aimed at educating faculty, students, and the external community on the importance of IP protection and its role in innovation. TTLO has also collaborated with external stakeholders to promote IP awareness and share the value of intellectual property rights in research, development, and commercialization.

Basics of IP and Patent Search Activities

A.6.1. Basic IP Rights and Patent Searching Seminar Workshop



The Caraga State University College of Business and Accountancy (CSUCC-ABA) and the Innovation Technology and Support Office (ITSO) recently organized an Intellectual Property Rights and Patent Searching Seminar-Workshop at CSUCC-AVR, with a total of 45 participants comprising both students and faculty members on March 8, 2024.

A.6.2. Basics of Intellectual Property and Patent Search Report

The ITSO of the Caraga State University Cabadbaran Campus has conducted a workshop regarding the basics of IP and Patent Search Report at the Cabadbaran City National High School with participants comprising both grade 11 and grade 12 students. The resource speakers during the activity were Ms. Kimberly Fong, Dr. Nathaniel Daminar, Engr. Jayson C. Loreto, and Prof. Alvin M. Sevilla.



A.6.3. Fundamentals of Intellectual Property and Patent Searching Seminar Workshop

The ITSO of the Caraga State University Cabadbaran Campus has conducted a seminar-workshop on the Fundamentals of Intellectual Property and Patent Searching with participants from the BS Industrial Technology. The resource speakers during the activity were Prof. Joy Lyn D. Dela Cruz, Ms. Charisse D. Galusan, and Engr. Jayson C. Loreto.



A.6.4. Training-Workshop on Intellectual Property Management and Patent Search

- Date conducted: October 9-10, 2024
- Participants: College of Forestry and Environmental Science (CoFES) Faculties and Students



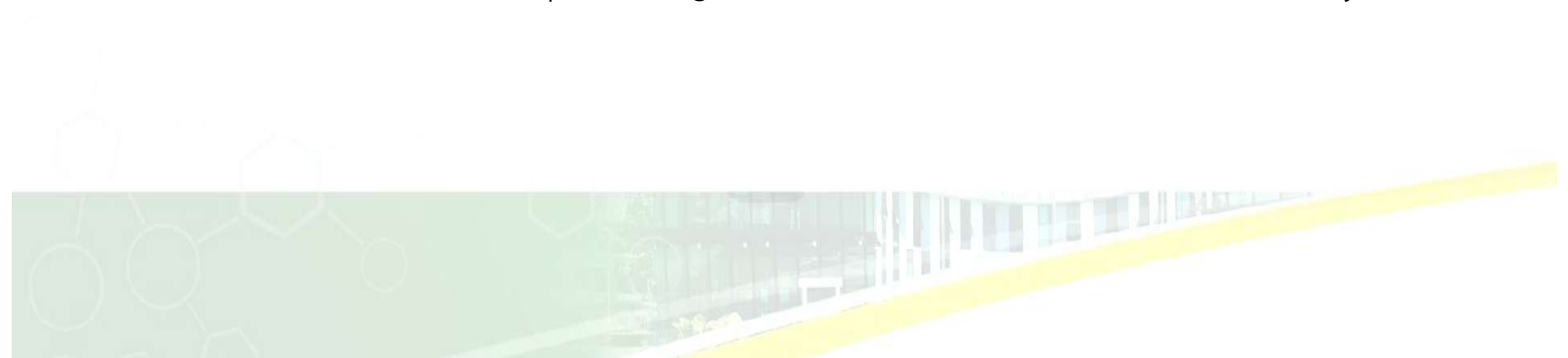
A.6.5. Seminar-Training on IP Awareness

- Date conducted: October 11, 2024
- Participants: College of Education (CEd) Faculties



A.6.6. Workshop on IP Protection for Social Science

- Date conducted: October 23, 2024
- Participants: College of Humanities and Social Sciences (CHASS) Faculty





A.6.7. Basics of Intellectual Property Seminar

- Date conducted: December 3, 2024
- Participants: College of Agriculture and Agri-Industries Students



Patent Drafting Activities

A.6.8. Patent Drafting Workshop

On August 21-22, 2024, the CSU TTLO, was invited to a Patent Drafting Workshop conducted by the Caraga State University - Cabadbaran City Campus (CSUCC) ITSO held at the Grand Palace Hotel, Butuan City. TTLO Director, Prof. Kenneth L. Ciudad together with Engr. Rulona and Engr. Silong gave insights and recommendations for critiquing and enhancing the participants' outputs. The participants of this workshop were faculty members from the different colleges of CSUCC.



A.6.9. Innovation Express: From Search to Draft

On April 22-24, 2024, the RAISE Project 1. IPTBM conducted a training-workshop

attended by 11 participants composed of RDI Center Directors/representatives and a few College IP coordinators (CIPC). This activity aimed to enhance awareness regarding all facets of Intellectual Property (IP) rights among university researchers, academics, and undergraduates. The activity consisted of a series of informative lectures and application exercises. The participants were given time to independently engage in their work at their own pace, especially in patent drafting but with the guidance of the experts in the field. The participants actively participated in the exercises and interacted with resource speakers namely, Prof. Kenneth L. Ciudad, Engr. Jayson Loreto, Engr. Juven G. Luzorata, Engr. Sherwin M. Boholano, Engr. Lord Boy Silong, and Engr. James Audrey Guian G. Rulona.

At the end of the session, RDI center Directors and Representatives presented their prior art search, technology disclosures, and the patent draft with claims, showcasing their dedication to innovation and IP protection.



External Engagements

A.6.10. Awareness on Basics of Intellectual Property (IP) in Saint Michael College of Caraga (SMCC)

The office was invited by the SMCC to give a lecture on the basics of IP in their college on May 8, 2024. Prof. Meycel Amarille, Engr. Lord Boy Silong, Engr. Juven G. Luzorata, Ms. Jeszianlenn Plaza, and Prof. Kenneth L. Ciudad attended the seminar as resource speakers. They gave insights and highlighted the importance of IP. The activity was participated by 20 faculties and staff of the SMCC.



A.6.11. Basics of Intellectual Property

- Date of seminar: October 16, 2024
- Participants: BSED Students of Candelaria Institute of Technology of Cabadbaran Inc. (CITCI)





A.6.12. Intellectual Property Awareness Seminar

- Date of seminar: October 25, 2024
- Participants: Students of Northern Mindanao Colleges Inc. (NORMI)



A.6.13. IP Awareness: Basics of IP

- Date conducted: November 15, 2024
- Participants: Basag Elementary School and Basag National High School Teachers



A.6.14. Patent Journey: Mapping the Way to Academic Innovation

The "Patent Journey: Mapping the Way to Academic Innovation" patent search workshop was conducted from August 28 to 30, 2024, organized by the Technology Transfer and Licensing Office (TTLO) through the Regional Agri-Aqua Innovation System Enhancement (RAISE) Program's Intellectual Property and Technology Business Management (IPTBM) Project. The workshop aimed to empower participants with knowledge and skills in patent searching, thereby strengthening the innovation ecosystem within the university and the region. Engr. Wilfredo Calaguan and Engr. Maria Concepcion

S. Zabala, IP Specialists from IP Business Services and Development Division of IPOPHL served as the Resource Speakers in this workshop.

The workshop targeted participants, in particular librarians and ITSO members from the State Universities and Colleges (SUCs) in Caraga such as Agusan del Sur State College of Agriculture and Technology (ASSCAT), NorthEastern Mindanao State University (NEMSU) and internal participants from TTLO, CIPC, and ITSO-CSUCC.



The Technology Transfer and Licensing Office (TTLO) has expanded its engagements by collaborating with other universities and institutions to deliver training and seminars on Intellectual Property (IP). These sessions focus on various aspects of IP, including IP system, industrial property rights, copyright, patents, patent searching, and patent drafting. The technical experts (TE) from TTLO—Engr. Silong, Engr. Rulona, and Engr. Luzorata—have been invited to share their expertise in these areas. These initiatives aim to empower other universities in strengthening their IP awareness and enhancing their research outputs.

A.6.15. IP Awareness Search and Draft of Patent Document

- Date of seminar: November 6-8, 2024
- Participants: Faculties and Researchers of Northeastern Mindanao State University (NEMSU)



Target Accomplishments: *12 Basics of Intellectual Property (IP), 2 Patent Search and 1 Patent Drafting Workshops.*

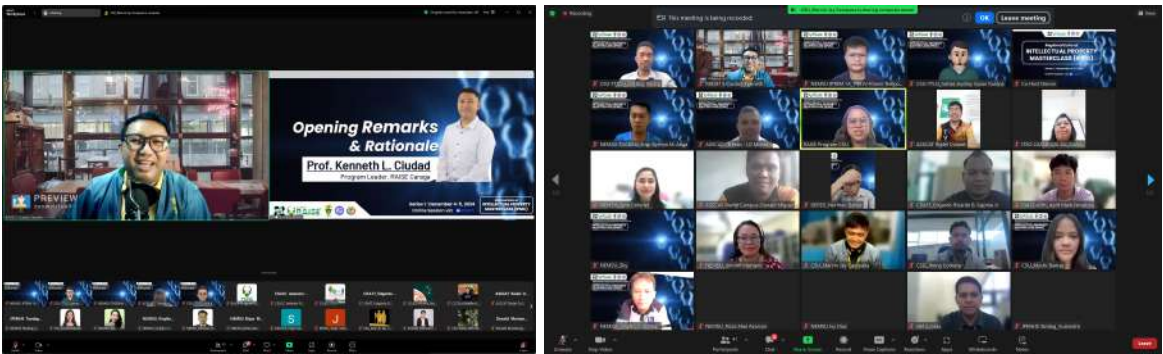
Milestones: *By this year, a total of 16 (133.33 %) Basics of IP, 9 (450 %) Patent Search and 2 (200%) Patent Drafting Workshop were conducted by both CSU Ampayon and Cabadbaran campuses.*

B. OTHER ACTIVITIES CONDUCTED/ATTENDED: RAISE Program through Project 1. IPTBM

B.1. Regional Echo of Intellectual Property Masterclass (IPMC)

The first part of the Regional Echo of Intellectual Property Masterclass was successfully conducted via Zoom on December 4-5, 2024. The event was participated by various agencies and institutions across different regions, extending beyond Caraga. This initial session aimed to provide participants with a comprehensive understanding of intellectual property (IP) concepts and the importance of protecting intellectual property.

The program also included discussions on patent searching, complemented by a hands-on workshop on conducting prior art searches. These activities were designed to enhance participants’ understanding of the value of prior art searches, especially in the context of product development and research activities. The participants were also actively engaging by sharing their workshop outputs, which were subsequently reviewed and critiqued by the experts and speakers.



B.2. Technology Promotion Mentorship Series (TPMS)

Caraga State University participated in the 2nd Technology Promotion Mentorship Series (TPMS) conducted by the Association of PAQE Professionals, Inc. (APP) in support of the DOST-PCAARRD Regional Agri-Aqua Innovation System Enhancement II (RAISE) Program. The TPMS was designed to equip participants from participating agencies with the skills necessary to effectively promote their respective technologies to intended clients and beneficiaries. The 2nd TPMS ran from June 11 to August 16, 2024, providing participants with a comprehensive training experience.



Photo: Caraga delegations at the 2nd TPMS Graduation Ceremony with MR. Marvin Jay Campana, Caraga RAISE Program Leader, Prof. Kenneth Ciudad, Engr. Michael Sabugaa, Prof. Meycel Amarille, DOST-PCAARRD Executive Director, Dr. Reynaldo Eborá, DOST-PCAARRD Director for Technology Transfer and Promotion Division (TTPD), Mr. Noel Catibog, Lord Boy C. Silong, Engr. Luzminda Bacquial, Dr. Rodel Oclaret, Engr, James Audrey Guian G. Rulona, Mr. Mark Vincent Vergara, Dr. Ivy S. Diaz, Ms. Marisol Jane M. Beral, and Ms. Angelica Labiano (from left to right).

CSU TTLO Technical Expert and RAISE IP-TBM Project Staff, Lord Boy C. Silong, Prof. Meycel Amarille, College IP Coordinator (CIPC) Head and RAISE KMH Project Leader, Ms. Marisol Jane Beray, CIPC of CSUCC and RAISE IP-TBM Project Staff, and Marvin Jay Campana, Project Technical Assistant II of the RAISE KMH Project. completed the training. The TPMS culminated in a graduation ceremony held at Royce Hotel, Clark Freeport Zone, Pampanga on August 16, 2024.



The region's delegation also included four representatives from Caraga's Consortium Member Institutions (CMIs): Engr. Luzminda Bacquial, RAISE-IPTBM (1A) Project Leader, and Dr. Ivy S. Diaz from North Eastern Mindanao State University (NEMSU). Additionally, Dr. Rodel Oclaret, RAISE-IPTBM (1B) Project Leader, and Engr. Michael Sabugaa, from Agusan del Sur State College of Agriculture and Technology (ASSCAT), was part of the delegation.

B.3. Intellectual Property Master Classes (IPMC)

The 6th DOST-PCAARRD Intellectual Property Masterclass (IPMC) Final Module classes and Graduation Ceremony took place at The Hotel Sophia, Cauayan, from January 24-26, 2024. This collaborative effort between the Philippine Council for Agriculture, Aquatic, and Natural Resources Research and Development (DOST-PCAARRD) and the Association of PAQE Professionals, Inc. (APP) was hosted by the Isabela State University (ISU) Cauayan Campus under the RAISE Program in Cagayan Valley. The 15-day IPMC training, which started last November 2023, focused on building and strengthening the capacities of technology transfer officers (TTOs) and researchers in IP protection, prosecution, and management, culminating in the simulation of qualifying exams for patent agents and actual online IP applications.



Photos 1 (left) and 2 (right): Caraga delegations at the 6th IPMC Graduation Ceremony and Module 5 Classes with Engr. Sherwin Boholano, Engr. Juvel Luzorata, Caraga RAISE Program Leader, Mr. Kenneth Ciudad, Engr. Luzminda Bacquial, Mr. Rodel Oclaret, Mr. Virgilio Ombao, and Mr. Cyrus Galendez (from left to right). Prof. Ciudad proudly received the award plaque and certificate for being the Top IP Filer (right photo).

Two (2) CSU TTLO faculty Technical Experts: Engr. Juven G. Luzorata and Engr. Sherwin M. Boholano, both are also Project Staff Level 1 under the RAISE-IPTBM project, completed the training. Alongside the Caraga RAISE Program Leader, Prof. Kenneth L. Ciudad, they attended the graduation ceremony and final module classes.



Photos 3 and 4 (Left to right): The execution of the IPMC Final Module classes on January 24-25, 2024, at The Sophia Hotel, Cauayan, Isabela.

The region's delegation also included four representatives from Caraga's Consortium Member Institutions (CMIs): Engr. Luzminda Bacquial, RAISE-IPTBM (1A) Project Leader, and Mr. Virgilio Ombao from North Eastern Mindanao State University (NEMSU).

Additionally, Mr. Rodel Oclaret, RAISE-IPTBM (1B) Project Leader, and Mr. Cyrus Galendez, both from Agusan del Sur State College of Agriculture and Technology (ASSCAT), were part of the delegation.

B.4. Technology Commercialization Mentorship Series (TCMS)

The intensive 15-day training sought to provide Technology Transfer Officers (TTOs) with essential skills and knowledge for the promotion and commercialization of technologies in the agriculture, aquatic, and natural resources (AANR) sector. This training involved the participation of two (2) RAISE-IPTBM staff members, namely Ms. Angelica L. Labiano, PTAll, and Ms. Charisse Galusan, Faculty staff and two (2) RAISE-ATBI staff namely Mr. Melbert R. Bonotan, ATBI Project Leader and Director as well as Engr. Elpidio Corbeta, ATBI Project Development Officer. Their training commenced on February 14-16, 2024, and concluded on April 18, 2024. This activity was also simultaneously participated by the two (2) staff each from NEMSU and ASSCAT under the RAISE Program, respectively.



Screenshots were taken during the webinar series of TCMS Module 1 last February 14-16, 2024 via Zoom.



Photos taken during the TCMS Graduation last April 17, 2024 at USM, Kabacan, South Cotabato.

B.5. Regional Communication Plan Development Workshop

On March 11-12, 2024, the RAISE Program, led by individuals from the Intellectual Property Technology Business Management (IPTBM) and Knowledge Management Hub (KHM) projects at Caraga State University (CSU), organized a two-day workshop focused on developing a Regional Communication Plan. Participants included staff from various RAISE program projects, directors from CSU Research and Development Institutions, CSU Public Information and Communication Office, as well as project managers and staff from other relevant institutions. This activity was participated by a total of 25 individuals comprised of representatives from CSU, NEMSU, and ASSCAT.

The workshop, facilitated by Dr. Renalyn Padoginog, emphasized the importance of effective communication through interactive sessions and presentations. Participants engaged in activities to understand interactive communication concepts, models, and methods for crafting communication plans. The workshop also featured presentations on the proposed logo for Caraga RAISE and the Analysis and Strategic Matrix, along with the drafted Communication Plan. Constructive critique and feedback were provided, contributing to

the enhancement of the regional development plan. Overall, the workshop highlighted the significance of transactional communication and emphasized the importance of a two-way flow of ideas. The success of the workshop underscores CARAGA RAISE's commitment to enhancing technology commercialization efforts in the region.



Photos 1 (Left) and 2 (Right): Participants of the Orientation Meeting and Action Planning Workshop last March 11-12, 2024 with Jesril Penalosa, Angelica Labiano, Marvin Jay Campana, Rex Parro. Kenneth Boyles, Engr. James Audrey Guian Rulona, Prof. Joy Lyn Dela Cruz, Elepedio Corbeta, Jr., Prof. Meycel Amarille, Dr. Renalyn Padoginog, Prof. Kenneth Ciudad, Dr. Michael Sabugaa, Engr. Cyrus Jay Galendez, Engr. Luzviminda Bacquial, Dr. Ivy Diaz, Dr. Rodel Oclaret, Mr. Virgilio Ombao, Mr. Mark Angelo Pineda (from left to right). Participants Day 1 of the Activity (right photo).

B.6. RAISE to Innovate: LIKHA Summit 2024

Resource Speaker and Judge in the RAISE to Innovate Pitching Competition

The TTLO Director, Prof. Kenneth L. Ciudad, was invited as a resource speaker and panel judge during the LIKHA Summit Pitching Competition. In his “From Lab to Market: Understanding Caraga State University’s Spinoff Policy for Researchers and Faculty” presentation, he introduced the university’s newly formulated Spinoff Policy, which outlines guidelines and responsibilities for university employees, spin-off companies, and the university itself. This policy aims to effectively manage spin-offs while ensuring compliance with relevant laws, fostering innovation, and supporting the commercialization of research outputs.



B.7. Appearance on a “Talk with the Expert” Podcast

On August 22, 2024, Mr. Kenneth L. Ciudad, TTLO Director and Program Leader of the RAISE Program in Caraga, was a featured guest on the Techno Asenso podcast produced by the Department of Science and Technology (DOST) - Caraga. In his insightful interview, Prof. Ciudad delved into the critical role of Intellectual Property (IP) and Technology Business Management (IP-TBM) in promoting a culture of innovation within the Caraga region.



The RAISE Program in Caraga seeks to boost the innovation ecosystem by managing and fostering the development of Agriculture, Aquatic, and Natural Resources (AANR) technologies and intellectual properties in the region. It aims to provide capacity building for R&D partners, facilitate public-private access to AANR technologies, and establish new research and development partnerships. The program's social impacts include improved environmental management, rural job creation, and potential breakthroughs in various fields. Activities involve enhancing IPTBM personnel's skills, managing intellectual property, identifying technological trends, recommending R&D programs, supporting technology evaluation, and promoting commercialization through stronger industry and community linkages. These efforts aim to promote economic growth and sustainable development in the region.

CAPACITY BUILDING ACTIVITIES

B.8. Pitch Deck Mentoring

The ITSO of the Caraga State University Cabadbaran Campus conducted a mentoring workshop last May 17, 2024. The activity was participated by students that are joining the upcoming pitching competition organized by the same office.. The resource speaker during the activity was Engr. Jayson C. Loreto, Patent Administrative Specialist of the CSUCC ITSO.



B.9. Pitching Competition and IP Quiz Bee

In continuation of the pitch deck mentoring, the ITSO of the Caraga State University Cabadbaran Campus conducted an activity where students were able to pitch their innovation integrating all their learnings from the previously conducted mentoring workshop. The activity was participated by the same student in the same office. The resource speaker during the activity was Engr. Jayson C. Loreto, Patent Administrative Specialist of the CSUCC ITSO.

B.10. Participation in Startup Showdown: CarSU Innovation Challenge 2024

On August 7, 2024, Prof Kenneth L. Ciudad, Director of TTLO, Prof. Meycel Amarille,

CIPC Head, Prof. Genesis Jared Cutamora, CIPC of CAA, actively participated as judges in the StartUp pitching competition during the Startup Showdown: CarSU Innovation Challenge 2024. This involvement in startup events positions TTLO to stay informed about emerging technologies and potential collaboration opportunities with innovative ventures.



B.11. Orientation Meeting and Action Plan Workshop for College IP Coordinators (CIPCs) and Technical Experts (TEs)

The Technology Transfer and Licensing Office (TTLO) in Caraga State University through the Regional Agri-Aqua Innovation System Enhancement (RAISE) - Project 1: Intellectual Property and Technology Business Management (IPTMB) conducted an Orientation Meeting and Action Planning Workshop for the newly designated set of College IP Coordinators (CIPCs) and the Technical Experts (TEs) held at Kinaadman Conference Room, Caraga State University-Main Campus, Ampayon, Butuan City last February 21, 2024.



Photos 1 (Left) and 2 (Right): Participants of the Orientation Meeting and Action Planning Workshop last February 21, 2024 with Angelica Labiano, Loven Joy Bala, Dr. Enrique Taragua, Engr. Gerome Amper, Engr. Sherwin Boholona, Engr. Lord Boy C. Sllong, Dr. Marichu Tulang, Engr. James Audrey Guian Rulona, Prof. Kenneth Ciudad, Marisol Jane Beray, Prof. Meycel Amarille, Genesis Jared Cutamora, Kimberly Fong, Charisse Galusan, Nicole Bajamundi, Engr. Novie Dave Perez, and Dexter Romaguera (from left to right). CIPCs of Caraga State University-Cabadbaran Campus accomplishing their action plans (right photo).

This meeting-workshop was participated in by seven (7) CIPCs from CSU-Main Campus, five (5) CIPS from CSU-Cabadbaran Campus, along with two (2) Full-Time TEs, two (2) Faculty TEs, TTLO Director, and two (2) RAISE PTAs. This made the CIPCs and TEs familiarize the TTLO’s operation and targets, be oriented with their respective duties and responsibilities, develop detailed action plans, and schedule their activities on IP awareness, meetings, etc.



B.12. Kick-Off Start of Agri-Aqua Technology Business Incubation Master Class (ATBIMC)

The Agri-Aqua Business Incubation Network of the Philippines, Inc. (AABINPhil, Inc.) is spearheading an initiative as the training service provider for the DOST-PCAARRD, aimed at enhancing the capabilities of project management teams within the program concerning the development and management of technology business incubation. AABINPhil, Inc. stands as a leading organization dedicated to advancing agri-aqua technology business incubation throughout the Philippines, with a core mission to facilitate the growth and sustainability of such initiatives by fostering networking, providing capacity-building opportunities, contributing to policy development, and advocating for the sector’s success and community building.



Photos 1 (Left) and 2 (Right): Screenshots showing the participants during their virtual masterclasses of Agri-Aqua Technology Business Incubation

This training initiative coordinated by AABINPhil, Inc. will necessitate the participation of two individuals from your agency. It will encompass four virtual modules and one module conducted face-to-face at Central Luzon State University. Through this comprehensive training program, participants will gain valuable insights and skills crucial for effectively managing technology business incubation endeavors, thereby contributing to the overall advancement and prosperity of the agri-aqua sector in the Philippines. This training was participated solely by two (2) RAISE-ATBI staff namely Mr. Melbert R. Bonotan, ATBI Project Leader and Director as well as Engr. Elpidio Corbeta, ATBI Project Development Officer. Their training commenced on February 21, 2024, and is anticipated to conclude in September 2024.

B.13. Local Inception Meeting, IP Audit & Technology Inventory Workshop, and Year 1 Operational Planning

On April 10-12, 2024, the RAISE Program finally conducted the long-awaited activity at the Spacebar, Cagwait, Surigao del Sur. This engagement was diversely attended by the Caraga State University (CSU), Northeastern Mindanao State University (NEMSU), and Agusan del Sur State College of Agriculture and Technology (ASSCAT). All the project leaders namely the following: Prof. Kenneth Ciudad, RAISE Program Leader and Project 1, Mr. Genesis Jared A. Cutamora, Project 2, Mr. Melbert Bonotan, Project 3, Ms. Meycel C. Amarille, Project 4, Engr. Luzminda Bacquial, Project 1A, and Mr. Rodel Oclaret, Project 1B, have attended together with their members.

A key highlight of the activity was the Regional Technology and Intellectual Property (IP) Inventory Workshop. Participants conducted a thorough assessment of technological resources and intellectual property within the Caraga region and technical project assistants also presented progress reports for each project. The unveiling of the RAISE program logo marked another milestone, solidifying the program's identity.





B.14. Industrial Design and PCT Training for Regional Innovation by CSU RDI Centers (cum Meeting with IPOPHL)

On April 16, 2024, the office, through RAISE Project 1. IPTBM, conducted a training-cum-meeting with IPOPHL which is participated by the CSU RDI Centers. This is one of the initiatives of the office as part of celebrating the National IP Month. The activity started with the training on the emerging industrial designs and the patent cooperation treaty. The resource speakers for the session are Engr. Chamlette Garcia and Mr. Dindo Dumali, both from the Documentation, Information and Technology Transfer Division of the Intellectual Property Office of the Philippines. They gave insights and were interactive with the queries of the participants.

Afternoon session was focused on the Regional Development Plan Meeting wherein Dr. Rolyn C. Daguil also attended. The meeting included brainstorming on engaging stakeholders for an upcoming IP Convention in July 2024, themed "ITSO namin kayo," emphasizing enforcement alongside filing. The activity concluded with an agreement to launch the IP Convention tentatively scheduled for July. Before closing, Engr. Chamlette Garcia underscored the importance of ensuring the novelty and inventiveness of research outputs, echoed by University President, Dr. Rolyn C. Daguil.



B.15. TTLO (IPTBM Project 1) & ATBI (Project 3) Benchmarking to USM

On April 19, 2024, the RAISE Project 1. IPTBM together with Project 3. ATBI conducted a benchmark at the University of Southern Mindanao (USM), Kabacan, South Cotabato. The purpose of the benchmarking is to observe and learn the best practices of USM's Technology Transfer and Business Development Office. During the visit, it was observed that they have numerous facilities to cater the commercialization of their products and their office has great features in organizing. Implementing these practices could enhance the office's organization and assist in developing future plans.



B.16. Agribusiness Mentorship Series

This 10-day training is one of the major capacity-building activities under the RAISE Program. This training focused on the enhancement of knowledge and skills in business management in the agriculture, aquatic, and natural resources (AANR) sector. This training involved the participation of two (2) RAISE-IPTBM staff members, namely Mr. Kenneth L. Ciudad, Project Leader, and Ms. Joy Lyn Dela Cruz, Faculty staff and two (2) RAISE-ABH staff namely Mr. Genesis Jared A. Cutamora, ABH Project Leader as well as Mr. Rex G. Parro, Faculty Staff. Their training commenced on April 24-26, 2024, and concluded last May 24, 2024. This activity was also simultaneously participated by staff from NEMSU and ASSCAT under the RAISE Program, respectively.



B.17. Regional Review of Institutional IP Policies and Technology Transfer Protocol

On April 30, 2024, the RAISE Project 1. IPTBM conducted an activity which aimed to review the existing Institutional IP Policy and TTP to timely align with updated international and national IP regulation as well to develop recommendations for improving existing policies and practices related to IP Management. This activity was participated by a total of 38 participants with 4 representatives from ASSCAT, and 3 representatives from NEMSU while the remaining was composed of CSU participants. Additionally, online participants joined from various HEIs in Caraga, including CLC College of Butuan, De La Salle John Bosco College, Andres Soriano Colleges of Bislig, and St. Francis Xavier College. Before the review, Ms. Maria Leidy Gatuz, an IP Rights Specialist of IPOPHL, delivered a talk and provided insights regarding the significance of having an IP Policy and Tech Transfer Protocol.



B.18. Participation on the YSEALI Caraga Hub Opening

On May 9-10, 2024, the YSEALI Caraga Hub launched its program regarding Fostering Youth-Led Renewable Energy Innovation and Sustainable Agriculture Development. The RAISE Program staff were key organizers of the event, as its objectives align with those of the RAISE Program, which aims to promote awareness of innovations related to the agri-aqua sector among stakeholders. Prof. Kenneth L. Ciudad, one of the keynote speakers, briefly introduced the RAISE Program and highlighted the importance of Intellectual Property Protection. This activity served as one of the avenues to launch the RAISE Program for stakeholders in the Caraga Region.





B.19. Ready, Set, Market: Prioritizing and Valuing of University IP

The Technology Transfer and Licensing Office (TTLO) in Caraga State University through the Regional Agri-Aqua Innovation System Enhancement (RAISE) – Project 1: Intellectual Property and Technology Business Management (IPTMB) conducted an IP Valuation Workshop for the CIPCs for both CSU Campuses, RDI Center Representatives, and Technical Experts held at Activity Center, Caraga State University HERO Learning Commons, Ampayon, Butuan City and Navigatu, Hiraya Building last June 7, 13 & 14, 2024.

The three-day event focused on knowing the value of the existing technologies of the University through various tools such as the business model canvas, value proposition canvas, and market study. The workshop output serves as a vital reference for identifying commercialization pathways, technology appraisal assessments, and IP valuation.



B.20. Quarter 3 Meeting of RAISE CMLs

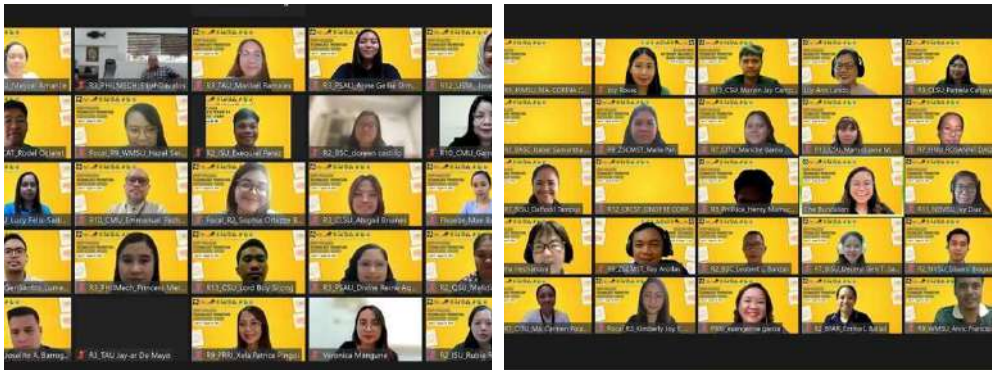
In preparation for the DOST-PCAARRD visit scheduled for July 1-5, 2024, the RAISE CMLs: CSU, ASSCAT, and NEMSU, conducted a meeting held at the New Building Board Room, NEMSU last June 10, 2024. The main purpose of the meeting is to review and finalize the reports to be presented for the semi-annual monitoring and evaluation, project update and application of the Caraga RAISE logo to be applied by Project 4. KMH was also one of the agenda of the meeting.

Each project leader presented the project updates and gave feedback and insights on how to improve the presentations. The fund utilization of each project was also checked to keep track and plan future activities to be conducted to achieve the deliverables.



B.21. Technology Promotion Mentorship Series

This training involves the participation of two (2) RAISE-IPTBM staff members, namely Engr. Lord Boy Silong, Project Staff/Technical Expert, and Ms. Marisol Jane Beray, Faculty staff and two (2) RAISE-KMH staff namely Ms. Meycel C. Amarille, KMH Project Leader as well as Mr. Marvin Jay Campana, Project Technical Assistant II. Their training commenced on June 11, 13 & 14, 2024, and concluded on August 16, 2024. This activity was also simultaneously participated by staff from NEMSU and ASSCAT under the RAISE Program, respectively.



C. MEETINGS CONDUCTED

C.1. TTLO/ITSO/IPTBM Team Weekly Meeting

To facilitate the harmonious and collaborative efforts of the TTLO team, a regular hybrid meeting was held every Friday of the week.



Photo shows the discussion of the TTLO team during the conduct of their regular meeting.

This was attended by the TTLO Director, two full-time TEs, and faculty TEs, respectively. Further, Ms. Joylyn Dela Cruz, assigned to the CSU-Cabadbaran Campus, was enjoined to the meeting as the interim TE Head. The meeting aims to discuss and improve the ongoing drafted documents in preparation for IP filing and registration.

June 7, was identified as the next CIPC Monthly meeting after the recently concluded CIPC Meeting held on April 5 this year.

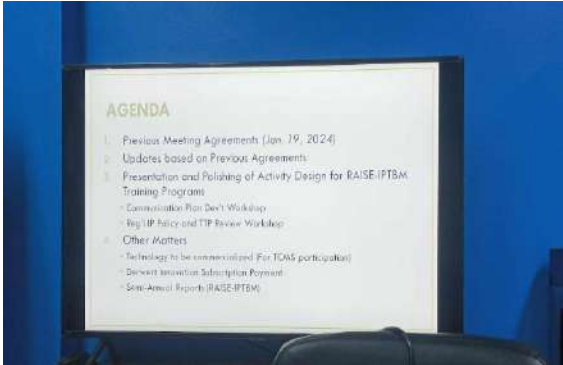


CIPC Workplan 2024_CoFES_Amarillo														
File Edit View Insert Format Data Tools Help														
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Attend the monthly or quarterly meetings organized by the TTLO														
	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Name: MEYCEL C. AMARILLE													
2	Designation: College Intellectual Property Coordinator and IP Education Department Head													
3	College: College of Forestry and Environmental Sciences													
4	Semester: 1st and 2nd Semester													
5	Year: 2024													
6	Expected Deliverables (per TOR)		Action Plan											
7	Attend to the following IP Education topics offered by TTLO/POPHL/WIPO:		Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Person Involved	Remarks/MO's
8	Basics on IP:												TTLO/CIPC	Attended the ILEAP (Trademark Feb. 20)
9	1. Incorporate the schedule of the IP Education offered by IPOPHL/LEAP/WIPO/TTLO													Internet connecti
10	2. Open an account to different platforms on the short courses on IP Education from IPOPHL/LEAP/WIPO/TTLO													Certificate
11	Patent Search:												TTLO/CIPC	Certificate
12	3. Register and attend the short course on IP Education from IPOPHL/LEAP/WIPO/TTLO													Certificate
13	Patent Drafting:												TTLO/CIPC	Certificate
14	4. Register and attend the short course on IP Education from IPOPHL/LEAP/WIPO/TTLO													Certificate
15	Organize/Facilitate a number of IP Awareness activities with any of the abovementioned topics to the following stakeholders:													
16	1. Coordinate the Dean for the conduct of IP Education													
17	2. Propose that the IP Education will be incorporated to the Research methods or subject related to the conduct of research/thesis/social problem													

Sample output of the CIPC Head Action Plan during the workshop held on February 21, 2024 at Kinaadman Conference Room.

C.2. RAISE-IPTBM Team Weekly Meeting

To keep track and efficiently implement the lined-up activities of the project, program, and TTLO operations, the IPTBM Project Technical Assistant, and TTLO Admin staff with the TTLO Director/Program/Project Leader regularly conduct weekly meetings and updates to discuss strategies to carry out the drafted Activity Designs and target program/project deliverables. This meeting is normally attended by Ms. Angelica Labiano and Ms. Loven Joy Bala together with Prof. Kenneth L. Ciudad, TTLO Director and RAISE Program Leader & IPTBM Project Leader.



C.3. DOST-PCAARRD Monitoring and Evaluation

DOST-PCAARRD) initiated the Regional Year 1 Semi-annual Review and site visit of the Caraga RAISE Program, held from July 2-4, 2024, at NEMSU, ASSCAT, and CSU, respectively.





C.4. Year-End Assessment of College IP Coordinators (CIPC)

The Year-End Assessment of the College IP Coordinators (CIPC) was successfully conducted on November 29, 2024. This event served as a platform to review the accomplishments achieved by the CIPCs from both the main campus and the Cabadbaran campus. It aimed to evaluate the successes, challenges, and opportunities encountered by the CIPCs, who work under the guidance of the Technology Transfer and Licensing Office (TTLO). The assessment also focused on aligning their efforts with the university’s academic and research objectives while fostering stronger engagement among stakeholders in IP management, including faculty members, external collaborators, and industry partners. Through this evaluation, it also aims to identify strategies for enhancing IP initiatives and collaboration across all sectors.



D. CUSTOMER SERVICE

D.1. Nasipit National Vocational School

Dedicated to providing patent information and IP services, the office has supported 12 clients, including students, researchers, and faculty from Nasipit National Vocational School on January 30, 2024.





Photos taken from the Nasipit Vocational School visit, featuring students, researchers, and faculty engaging in open discussions with TTLO TEs on potential IP protection for their school's output last January 30, 2024.

This commitment highlights its efforts to nurture innovation and enhance intellectual property awareness within the academic community. Moreover, the office remains steadfast in assisting additional clients.

D.2. BSABE Students from different SUCs of Mindanao

During the ABECon 2024, an activity held to celebrate the Philippine Society of Agriculture and Biosystems Engineer (PSABE) – Pre-Professional Group (PSG) at CSU Main Campus on February 26, 2024, estimated 20 students comprising of different SUCs in Mindanao visited the TTLO and was oriented by Engr. Lordboy Silong, Technical Expert of the office's role, functions, accomplishments, etc.



Photos taken during the orientation presentation by Engr. Lord Boy C. Silong for the ABECon 2024 participants.

D.3. Bachelor of Science in Entrepreneurship students from CSU-Cabadbaran Campus

40 Bachelor of Science in Entrepreneurship students from CSU-Cabadbaran Campus underwent an orientation session regarding the roles of the Technology Transfer and Licensing Office (TTLO) and Intellectual Property Rights (ITSO) as part of their Educational Tour conducted on March 26, 2024. This initiative aimed to familiarize the students with the functions and importance of TTLO and ITSO within the academic and entrepreneurial landscape. Such exposure equips them with a broader understanding of intellectual property rights and technology transfer processes, which are valuable assets as they pursue careers in entrepreneurship and innovation.





Photos 1-3 (From left to right) highlights the orientation presentation of TTLO Director Kenneth Ciudad to the 2 batches of BS Entrepreneur students during their educational tour at CSU Main Campus. 40 students in total attended together with their adviser, CIPC Coordinator, Ms. Charisse D. Galusan.

D.4. Consultation Meeting

On March 7, 2024, a consultation meeting was held: TTLO Director, Mr. Kenneth Ciudad, Technical Expert - Engr. Lord Boy Silong, CEGS IP Coordinator - Engr. Jerome Amper, and SRS Trading Enterprise - Engr. Sumampong.



D.5. ICT4RM and MARVEL Consultation

On May 13-14, 2024, ICT4RM and MARVEL staff visited the office for a consultation regarding the technology transfer form required by the DOST-PCIEERD. The full-time technical experts, Engr. Lord Boy Silong and Engr. James Audrey Guian Rulona and the director, Prof. Kenneth L. Ciudad attended their inquiries and had a fruitful discussion.



D.6. Center for Language and Culture Consultation

On May 16, 2024, Ms. Shella A. Torralba, Director of the Center for Language and Culture, visited the office for a consultation on how to apply their song for copyright. The TTLO director, Prof. Kenneth L. Ciudad attended her inquiries and had a fruitful discussion.



D.7. Client Office Consultation

D.7.1. Summary

Table below indicates the summary of TTLO visitors per month during Q1 2024 and the services availed.

Month	No. of Visitors		Services Availed
	External	Internal	
January	11	4	Consultation
February	20	4	Visit, Consultation
March	44	3	Consultation, Orientation
April	0	1	IP Application
May	0	7	Consultation
June	5	1	Consultation
July		5	Consultation
August		6	Consultation
September	1	6	Consultation
October	1	7	Consultation /Patent Drafting
November	1	5	Consultation /IP application
December	1	5	Consultation

D.7.2. October Summary

The Technology Transfer and Licensing Office (TTLO) welcomed several clients and provided them assistance in addressing their queries and concerns. Based on interpreted data on the Client Satisfaction Measurement Survey from Quality Assurance Management Services (QuAMS), majority of the clients rated TTLO as Outstanding.





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PART III. CLIENT SATISFACTION MEASUREMENT SURVEY RESULTS

Client Satisfaction Measurement Result on the Internal Services provided by Technology Transfer and Licensing Office for the month of October 2024 (N=5)

Service Quality Dimension	Client Satisfactory Rating					N/A	Responses (Y)	Percentage (%)	Interpretation
	5 Very Satisfactory	4 Satisfactory	3 Fairly Satisfactory or Unsatisfactory	2 Unsatisfactory	1 Very Unsatisfactory				
SQD0. Responsiveness	4	1	1	0	0	0	5	100%	Outstanding
SQD1. Responsiveness	3	1	0	0	0	1	5	100%	Outstanding
SQD2. Reliability	4	0	1	0	0	0	5	100%	Outstanding
SQD3. Access and Facilities	4	0	1	0	0	0	5	100%	Outstanding
SQD4. Communication	4	1	0	0	0	0	5	100%	Outstanding
SQD5. Costs	0	0	0	0	0	5	5	N/A	Not Applicable
SQD6. Integrity	4	1	0	0	0	0	5	100%	Outstanding
SQD7. Assurance	4	1	0	0	0	0	5	100%	Outstanding
SQD8. Outcome	4	1	0	0	0	0	5	100%	Outstanding
TOTAL	31	6	3	0	0	6	46	100%	Outstanding

*Interpretation of Data: Below 60.0% = Poor; 60.0% - 79.9% = Fair; 80.0% - 89.9% = Satisfactory; 90.0% - 94.9% = Very Satisfactory; 95.0% - 100% = Outstanding.
*Note: No aggregated data for Client Satisfaction Measurement Results for external services.

Page 4 of 5

CSMS Report for the month of October

D.8. OJT Presentation of Output (August 1, 2024)



D.9. Engr. Sumampong Consultation

Engr. Sumampong from SRS Trading Enterprise visited the Technology Transfer and Licensing Office (TTLO) on November 19, 2024 to explore potential collaborations and engage in discussions. TTLO consulted with Engr. Sumampong, providing insights and updates regarding his Utility Model application, A Machine for Pulverizing Glass Materials and a like. A follow-up meeting was also conducted to provide plans and discuss possible action plans on a formal partnership.



D.10. Issuances of Institutional Policies Copy

It has been known that among all other SUCs/HEIs in the region, CSU-TTLO leads the path of establishing the first Intellectual Property Policy and Technology Transfer Protocol (TTP). To boost the innovative ecosystem not only in Caraga but as a nation at large, several institutions/agencies/offices have requested a copy of the following IP-related policy manual. Below are the agencies/offices that requested a copy of these policies and protocols.

- Pampanga State Agricultural University (PSAU)
- CSU-College of Engineering and Geosciences through Engr. Anamari Sajonia



D.11. Cebu Doctors' University Benchmarking Activity

The Technology Transfer and Licensing Office (TTLO) has organized and facilitated the benchmarking visit of Cebu Doctors' University on November 13-14, 2024. During the visit, the TTLO provided an overview of its operations, including the ongoing program, the RAISE Program, which includes four projects, Project 1 Intellectual Property and Technology Business Management (IPTBM), Project 2 Agri-Business Hub (ABH), Project 3 Agri-Aqua Technology Business Incubator (ATBI), and Project 4 Knowledge Management (KM) Hub. The benchmarking activity also included a campus tour from the main campus and the Cabadbaran campus, allowing the visitors to gain insights into the university's facilities, programs, and best practices.



E. ACTIVITIES PARTICIPATED

Engaging in caravans, exhibits, and various activities is just one facet of the initiatives undertaken by the office to enhance IP awareness and education. These endeavors serve as proactive approaches to disseminating information about technologies and their potential benefits. Beyond merely showcasing technologies, these initiatives create opportunities for interactive learning and dialogue, facilitating a more comprehensive grasp of the importance of intellectual property in various fields.

E.1. Caraga Regional Development Plan 2023-2028 Provincial Caravan
Participation in the Caraga Regional Development Plan 2023-2028 Provincial Caravan hosted by the National Economic and Development Authority (NEDA) Caraga on January 31, 2024, at Almont Hotel, Butuan City. This event was participated with CSU’s RDI Centers including the two (2) Technical Experts (TEs) of TTLO.



Photos highlight the participation of the TTLO TEs in the conducted Caraga Regional Development Plan 2023-2028 Provincial Caravan, held at Almont Hotel on January 31, 2024.

E.2. 2024 ITSO Presidents' Summit and Managers' General Assembly

Participation of the CSU-TTLO in the 2024 ITSO Presidents' Summit and Managers' General Assembly where Presidents, ITSO Managers, and ITSO Technical Staffs of different universities gathered. The event was held at the Dusit Thani Hotel, Makati City, Philippines on March 18-19, 2024, with the theme "ITSO: Celebrating Collaboration, Cultivating Innovation". The 2-day event was held to recognize and award the Innovation and Technology Support Office (ITSO) members who have diligently fulfilled the Innovation and Technology Support Office (ITSO) 2.0 Clustering deliverables for 2023. During the event updates in the ITSO program implementation, aimed at empowering ITSOs to generate more innovative and impactful outputs stemming from their research and development endeavors were also presented.

In light of this, Caraga State University (CSU) sent out delegates to the event: Dr. Rolyn C. Daguil, Dr. Jeffrey T. Dellosa, and Prof. Kenneth L. Ciudad as they were specifically invited to join and participate in the activity. Dr. Dellosa, the former ITSO Manager from 2015 to 2022, was invited to give a talk on the best practices of the office that helped achieve a grand slam (three years in a row) of the Platinum Award, the highest recognition from IPOPHL.



Photos 1 (Left) and 2 (Right): Delegates of Caraga State University with the Director General of IPOPHL with Dr. Rolyn C. Daguil, Atty. Rowel S. Barba, Dr. Jeffrey T. Dellosa, and Prof. Kenneth L. Ciudad (from left to right). Representatives of Caraga State University receiving the Platinum Award (right photo).



Photos 3 and 4 (Left to right): Presidents of different universities with the IPOPHL personnels (Left). Fourth (4th) Platinum Award of Caraga State University(Right).

E.3. TechReady 2024: A Capacity Building on IP Valuation

Participation of the CSU-TTLO in the on-going TechReady 2024: A Capacity Building on IP Valuation. The event is being conducted at the Watergate Pavillion, Butuan City on May 14-17, 2024. The 4-day event focuses on capacitating individuals .

In light of this, Caraga State University (CSU) Main Campus and CSU Cabadbaran

Campus (CSUCC) have each sent out three participants. From CSU Main, the participants are Prof. Kenneth L. Ciudad, Engr. Juven Luzorata, and Ms. Angelica Labiano. From CSUCC, the participants are Prof. Joy Lyn Dela Cruz, Ms. Charisse Galusan, and Engr. Novie Dave Perez.



E.4. 1st Caraga Region Agriculture and Fisheries Technology Exhibition (CRAFTe) Caravan

Participation in the 1st Caraga Region Agriculture and Fisheries Technology Exhibition (CRAFTe) Caravan hosted by the Department of Agriculture - Caraga on July 11, 2024, at Trento Research Experiment Station, Agusan del Sur. This event was participated with Caraga Food Innovation Center, TARA Agri-Aqua TBI, and RAISE Program in Caraga of Caraga State University including the faculty Technical Expert (TE) of TTLO, Engr. Juven G. Luzorata and the RAISE Program Project Technical Assistants.



Photos highlight the participation of the TTLO TE and RAISE PTAs in the conducted 1st Caraga Region Agriculture and Fisheries Technology Exhibition (CRAFTe) Caravan, held at Trento Research Experiment Station, Agusan del Sur on July 11, 2024.

E.5. LIKHA Summit Exhibit

TTLO has been participating in various technology exhibits. This quarter, TTLO participated during the LIKHA Summit last October 28-30, 2024. The TTLO booth attracted students, faculties, and representatives from various agencies, providing them with valuable insights about the operations of the office. Visitors also had the opportunity to learn about Intellectual Property (IP), its importance, and the services offered by the office. A total of three exhibits were participated by the office this year.





F. PERSONNEL CAPACITY-BUILDING ACTIVITIES

F.1. PARTICIPATES AND COMPLETES WEBINARS AND DISTANCE LEARNING COURSES REQUIRED BY THE IPOPHL AND THE WORLD INTELLECTUAL PROPERTY ORGANIZATION (WIPO)

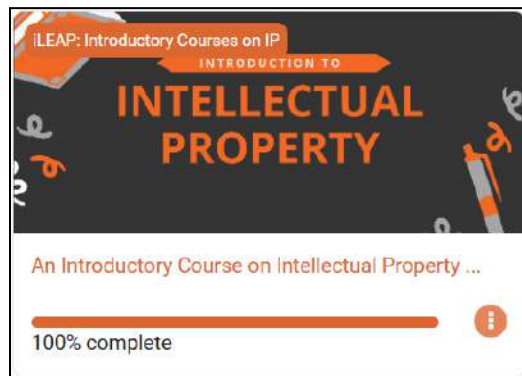
F.1.1. IPOPHL: iLEAP Plus Program free webinars

- iLEAP Plus: Responding to Trademark Office Actions
- iLEAP Plus on Patents and Utility Models: Protecting your Inventions and Innovations
- iLEAP Plus x Inventor Assistance Program: Introduction to Patent Claims Drafting
- iLEAP Plus: Responding to Trademark Office Actions
- iLEAP Plus on Patents and Utility Models: Protecting your Inventions and Innovations
- iLEAP Plus x Inventor Assistance Program: Introduction to Patent Claims Drafting
- iLEAP Plus on IP Enforcement
- iLEAP Plus on Copyright: Registering Your Creative Works with IPOPHL

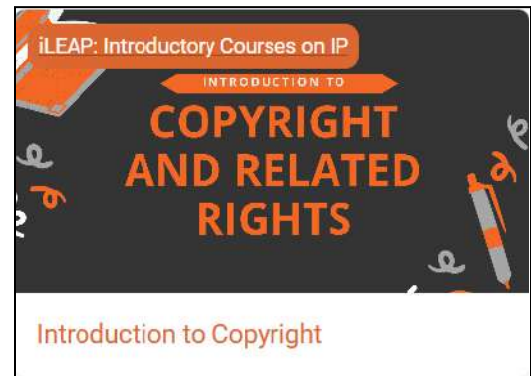




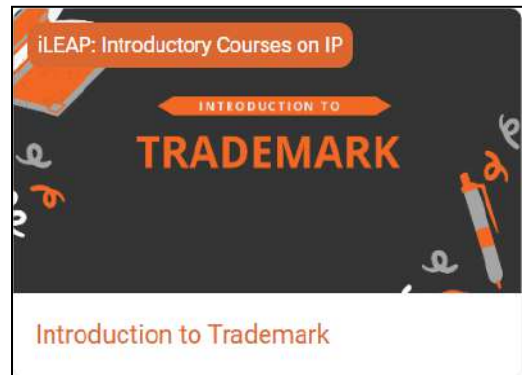
F.1.2. Enrollment to courses of IPOPHL Learning Activities Workspace (ILAW)
The TTLO technical experts (TEs) enrolled in online courses offered by the Intellectual Property Office of the Philippines (IPOPHL). These courses comprise of Introductory Course on Intellectual Property, Introduction to Copyright, Introduction to Trademark, and Introduction to Patents. In addition to these, the TEs also participated in an IPOPHL-conducted webinar on IP Enforcement on October 22, 2024.



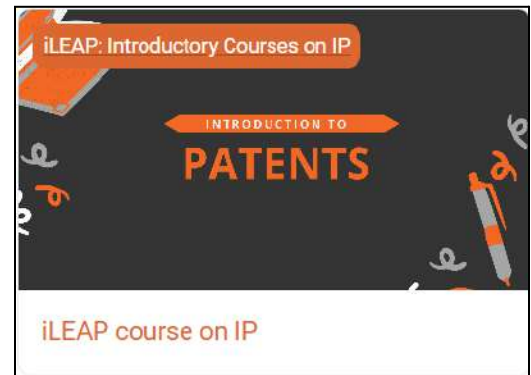
Introductory Course on Intellectual Property



Introduction to Copyright



Introduction to Trademarks



Introduction to Patents

F.1.3. WIPO Distance Learning Course
TTLO personnel, specifically the full-time Technical Experts, Engr. James Audrey Guian G. Rulona and Engr. Lord Boy C. Silong, successfully passed the Advanced Course on Basics of Patent Drafting (DL-320).



F.1.4. Paper B Training for ITSOs
Technical Experts and the TTLO Director participated in the Paper B Training for ITSOs conducted by the IPOP HL to guide the ITSO personnel in responding to an Examiner’s Action, especially in ITSO that have a pending response to, or anticipating, an Examiner’s Action.

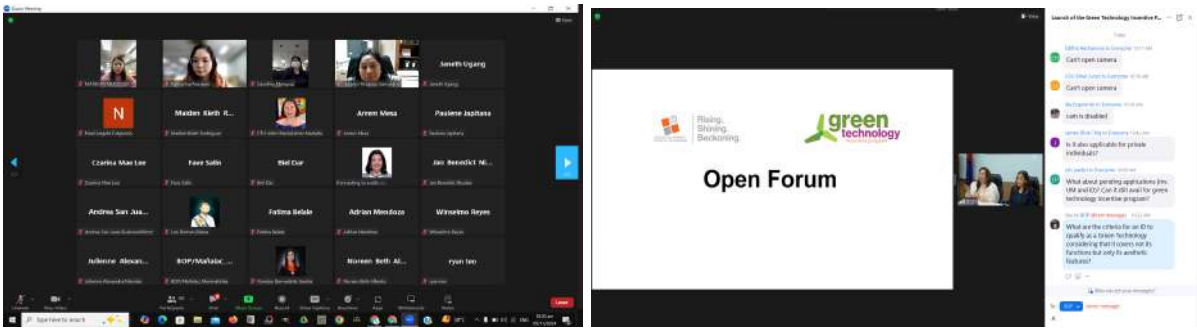


F.1.5. IP Forward – IP Enforcement Edition



F.1.6. Launch of Green Technology Incentive Program

- This webinar provides knowledge about the new program of the IPOP HL, which is the Green Technology Incentive Program. This program provides benefits to technologies that meet the criteria outlined in IPOP HL's guidelines, qualifying them as Green Technologies.
- Date of webinar: November 5, 2024



F.1.7. Attendance to the 2024 S&T Recognition and Awarding Ceremony and 52nd PCAARRD Founding Anniversary Celebration: Launching of RAISE RTMS

The TTLO Director was invited to attend the S&T Recognition and Awarding

Ceremony organized by DOST-PCAARRD, which coincided with the agency’s 52nd founding anniversary. This event not only celebrated outstanding achievements but also served as a platform to reconnect and strengthen relationships among various State Universities and Colleges (SUCs). Notably, our very own CCAARRD also received two awards under the leadership of Dr. Raquel Balanay. This recognition serves as an inspiration for the TTLO and the entire university to continue striving for excellence in all our endeavors.



G. POLICY DEVELOPMENT

The Technology Transfer Licensing Office (TTLO) remains dedicated to the ongoing development and implementation of policies and processes within Caraga State University (CSU). These initiatives are designed to facilitate the protection of intellectual property (IP) and streamline the university's technology commercialization pathway. By establishing and refining these policies, the TTLO plays a pivotal role in creating an environment that nurtures innovation, safeguards intellectual assets, and promotes the successful transition of technologies from research to commercial applications within the CSU community.

- G.1. Development of Proposed Intellectual Property Courses
 - G.1.1. Advance Course in Intellectual Property Management and Patent Application

Module No.	Title
1.1	Introduction to IP Management
	The IP Policy Environment
	Types of IP Protection
	Preparing Technology Disclosures (using SUC technologies, includes preparation of drawings)
1.2	Prior Art Search
	Prior Art Search (Lecture on patent search types, classification, tools and strategies; actual search using SUC technologies)
1.3	Invention Spotting (Lectures and actual invention spotting)
2.1	Claim Drafting; Constructing Independent and Dependent Claims
2.2	Finalization of Patent/UM Applications
2.3	Online IP application

3	Analysis of Invention Disclosure; Spotting the Invention; Analysis of Prior Art Documents; Analysis of Invention with respect to Prior Art; Constructing Independent and Dependent Claims
4	Analysis of Documents; Claim Amendments; Writing the Reply Letter; Sample Answer and Examiner's Report
5.1	Key MPEP Provisions; Writing a Complete Description; the Application Form and Cover Letter
5.2	Responding to Formality Examination Reports (FER)
5.3	Freedom to Operate (FTO)/ Infringements
5.4	IPOPHL Patent Application Requirements; International Patent System (PCT) Application Requirements

G.1.2. General Course on Intellectual Property Rights

Module No.	Title
1	Introduction
2	Copyright
3	Related Rights
4	Trademarks
5	Geographical Indications
6	Industrial Design
7	Patents
8	Unfair Competition
9	International Registration
10	New Plant Variety Protection
11	Traditional Knowledge (TK), Traditional Cultural Expressions (TCE), and Genetic Resources (GR)
12	IP and Development
13	Summary and Discussion on IP Rights

On February 23, 2024, the TTLO Director spearheaded the review of the proposed Spinoff Policy to researchers, inventors, innovators, and administrative officials, seeking feedback to enhance the policy for a more customized fit within the University. With the trend of fostering innovation and commercialization in the universities, a Spinoff Policy serves as a structured framework that defines the processes and guidelines for establishing and operating spin-off ventures or startups arising from the institution's intellectual property and research initiatives. This policy facilitates the smooth transition of innovative ideas and technologies from academia to the commercial sector, promoting entrepreneurship and economic development.



Photos taken during the presentation of CSU Spinoff Policy by TTLO Director, Prof. Ciudad to the

RDI Centers for the feedback held last February 23, 2024, at HERO’s Board Room.

TTLO proposed several policies to streamline operations, enhance efficiency, and ensure compliance with relevant regulations related to intellectual property within Caraga State University (CSU). Last December 4, 2024, the TTLO Director presented before the joint Admin-Acad Councils the proposed Intellectual Property (IP)-related policies:

- 1. Spin-off Policy (Revised);
- 2. Protocol on the Use of CSU Trademarks;
- 3. Protocol on the use of CSU Copyrights;
- 4. Template Licensing/Utilization Agreement.

Prior to the presentation at the Acad-Admin Councils, the same were already provided deliberated among RDI Centers, Colleges through the CIPCs, and DOST Caraga for their comments and suggestions. These policies are designed to significantly benefit CSU by promoting innovation, strengthening research efforts, and ensuring proper management of intellectual property assets. The proposals were also found sound and compliant by CSU’s Legal Unit.



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CERTIFICATION

The Legal Unit confirms its review of the following documents:

- 1. Spin-off Policy
- 2. Protocol on the Use of CSU Trademarks
- 3. Protocol on the Use of CSU Copyrights
- 4. Template for Licensing/Utilization Agreement

Furthermore, it is recommended that the office primarily accountable for the execution of these policies ensure compliance with all applicable laws and policies (such as DBM, COA, among others), leveraging their expertise thereof.

This certification is issued for whatever legal purpose it may serve.

Issued this 23rd day of OCTOBER 2024 in Butuan City, Philippines.



ATTY. JANICE C. ENDICO-PAGAS
University Legal Officer



H. TTLO PERFORMANCE USING BALANCED SCORECARD REPORT

GOAL 2: Interdependence and High-Impact Coalitions

Perspective	Strategic Objectives (SO)	Strategic Measure (Key Performance Indicators)	TARGET	ACTUAL (as of December 25, 2024)	Remarks
Stakeholders	Building community-focused solutions to strengthen collaborations	No. of skill development and training programs initiated for regional businesses, especially FAME MSMEs, to enhance their capabilities and competitiveness.	4	4	- Regional Technology and Intellectual Property (IP) Inventory Workshop - Regional Echo of Intellectual Property Masterclass (IPMC) "Patent Journey: Mapping the Way to Academic Innovation" - Regional Patent Search Workshop - Regional Communication Plan Development Workshop
Stakeholders	Intensified CSU-Industry co-innovation networks	No. of research outputs in the last three years utilized by the industry or by other beneficiaries	9	4	The following are the technologies that are commercialized by Memorandum of Agreement (MOA) and Technology Licensing Agreement (TLA): - MapX (2021) - MapX (2023) - Cacao Bean Extracting Machine (2022) - Durian Opener (2022)
Process Excellence	Robust incubation program for aspiring technopreneurs	BOR Approved CSU Spin-Off Policy	1	N/A	Endorsed by joint Admin-Acad Councils for approval by the BOR
		Number of research creative outputs registered as intellectual property rights and utilized for commercial and industrial purposes	10	N/A	- Scheduled activities for Market Study and IP Valuation - Same registered IP has been

					commercialized
		Number of research creative outputs registered as intellectual property right but not utilized commercially	10	10	The following are registered intellectual property items: • a device for extracting starch from starch-producing crops, • a device for drying agricultural crops, • an insect trap, • a device for molding cocoa mass into tablea, • a herb fruit blend, • Caraga Food Innovation Center (CFIC) • Participation and Teaching Assistantship (Field Study 2) • Laboratory Workbook in Developmental Biology • Laboratory Workbook in Genetics and • a guide to Philippine medicinal plants utilized by the Butuanon community.
		No. of innovations, patents, or intellectual property generated by the incubated startups	5	5	The following are the current working products: • cScrapCycle, • SnapScout, • STELLA.ai, • BlackGold Nutribar, and • Bayaniblu.
Financial	Revenue diversification through technology commercialization	Revenue generated through the commercialization of research outcomes	500K	Php 1,272,049.18	• Based from the Collection Report of the FMS on IP-related commercialization

I. CHALLENGES AND OPPORTUNITIES

- Numerous critical activities, such as the Local Inception Meeting and Year 1 Operational Planning slated for Quarter 1 of the current fiscal year (October – December 2023), have encountered delays due to inadequate recommendations from pertinent offices and, notably, the absence of the Annual Procurement Plan (APP). Consequently, after five (5) postponements, it has been rescheduled for April 10-12, 2024.
- Delays in procurement requests stem from inconsistencies in protocols and processes across the Budget Office, Accounting Office, General Services, and Procurement unit. Each approval request for our activity design necessitates numerous revisions, printing, signature acquisitions, and sometimes, realignment of LIB, contingent upon the interpretation of staff members regarding existing memorandum orders and COA rules. Often, these interpretations are later found to be inapplicable to our specific requests and fund source – TRF.
 - Certain procedures in the approval processes, such as Activity Designs, Budget Allocations, Communications, and Purchase Requests among various administrative offices, are not documented and officially communicated. This lack of clarity leads to subjective interpretations by staff, causing confusion, delays, repetition, or the need for corrections in paperwork.
 - Some critical information that demands thorough attention and time is provided at the last minute or at a very short remaining period. This practice affects the overall quality of outputs as teams are compelled to work under time constraints, potentially compromising the excellence of the delivered results.
- The Technology Transfer and Licensing Office heavily relies on external funding, particularly from projects like RAISE IPTBM, to carry out its operations. Delays in the release of funds from the Funding Institution significantly impact the efficiency and timely execution of various activities.
- Presently, none of the University's program curricula explicitly integrates a course on Intellectual Property (IP), a requirement for the ITSO Clustering Awards. While some courses touch upon IP topics, the absence of a dedicated course hinders comprehensive understanding and engagement.
- Lack of Tenure Security at the office leads to fast turnover of staffing.
- Lack of clear policies/protocols for personnel /staff transferring from one office to another within the University leads to disruption of operations.
- Inconsistent protocols for communication (e.g. imposition of 3-signatories but requiring same bureaucracy and more letters) and hiring (esp. for externally funded projects) contributed to delays and underutilization of project funds.
- Lack of specific financial management processes and administrative protocols, esp. in procurement processes, that are streamlined for externally funded projects and programs (TRF).
- Lack of clear policies/protocols for personnel /staff transferring from one office to another within the University leads to disruption of operations.

J. RECOMMENDATIONS

- To enhance procurement efficiency, it is imperative to establish clear and consistent protocols and processes across departments by developing a comprehensive procurement manual and conducting training sessions for staff members involved in procurement. Additionally, promoting early planning and coordination of activities, budgets, and procurement needs through regular meetings and discussions can help avoid last-minute requests and streamline processes. Assigning dedicated staff members or coordinators to oversee planning and coordination efforts further ensures effective communication and collaboration, ultimately improving organizational effectiveness and responsiveness.
- Advocate for improved communication practices across departments, emphasizing the importance of timely information dissemination. Implement communication protocols to ensure that critical information is shared well in advance, allowing teams to prepare and deliver high-quality outputs adequately.
- Diversify funding sources by exploring additional grant opportunities, partnerships,

or collaborative projects. Develop a financial contingency plan to mitigate the impact of delayed fund releases, ensuring essential operations can continue.

- Collaborate with academic departments to advocate for the inclusion of an IP course in relevant curricula. Highlight the importance of IP education in producing well-rounded graduates and liaise with curriculum committees to facilitate the integration process.
- Proposal of OVPRDIE for the Revised Organization and Staffing Standards (ROSS) for personnel assigned at TTLO.
- Development of clear policy/protocol for CSU personnel who wish to cut short their signed work contracts.
- Conduct of clear instructions/trainings and comprehensive information drive of communication and any other protocols that are vital to daily operations prior to their implementations.
- Dialogue between FMS and Administrative units to craft necessary policies/protocols that are streamlined, efficient and effective for various fund sources in accordance with DBM, CSC, and COA rules.

K. FUTURE GOALS AND INITIATIVES

- TTLO/ITSEstablishing the Regional Research Development and Innovation Committee (RRDIC) of the Caraga Regional Development Council (RDC) as the RAISE Advisory Council through a MOU.
- Engage in Memorandum of Understanding (MOU) with SRS Trading to ensure adoption of CSU Technologies, as partners in production and development of Agri-machines for commercialization, internship/OJT of students, and IP management.
- Conduct Regional echo seminars and trainings for the RAISE IP Master Class.
- Present before relevant stakeholders/adopters the CSU registered IPs through DOST and DTI Caraga.
- Target accomplishing of requirements for the ITSO Clustering Palladium Awards
- Activate RAISE Projects 2, 3, and 4 for the commercialization of identified potential technologies esp. those with IP protection via Project 1 (IPTBM).
- IP Valuation Seminar-Workshop
- Leverage the 'ato ini' – patronization of internally-made innovative food products
- Include research-based food innovations in the commercialization efforts of the University.
- Commence operations with TBI.
- Construct FTBI and Tech Park
- Hire permanent Technical Staff and Drafter/s

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