

# PORTFOLIO



**RAHMITA DWI KURNIA**  
Bachelor of Informatics Engineering

Bengkulu University 2020 - 2024

GPA : 3.84 / 4.00 

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 github.com/RahmitaDwi18



## INTRODUCTION

I am a new graduate of bachelor of computer 2024, I am a fresh graduate of Informatics or computer science, Engineering Faculty, Bengkulu University (2020- 2024).

A Computer Bachelor who has a strong interest in data analysis, deep learning to database. I have experience in using programming languages such as Python to build deep learning image processing models, PHP, HTML, and CSS languages with the Laravel framework, and the ability to build and process databases using MySQL.

I am a proactive, analytical individual with a passion for learning and growing in the field of digital technology. Currently have a desire to develop skills in the field of data in a professional scope.

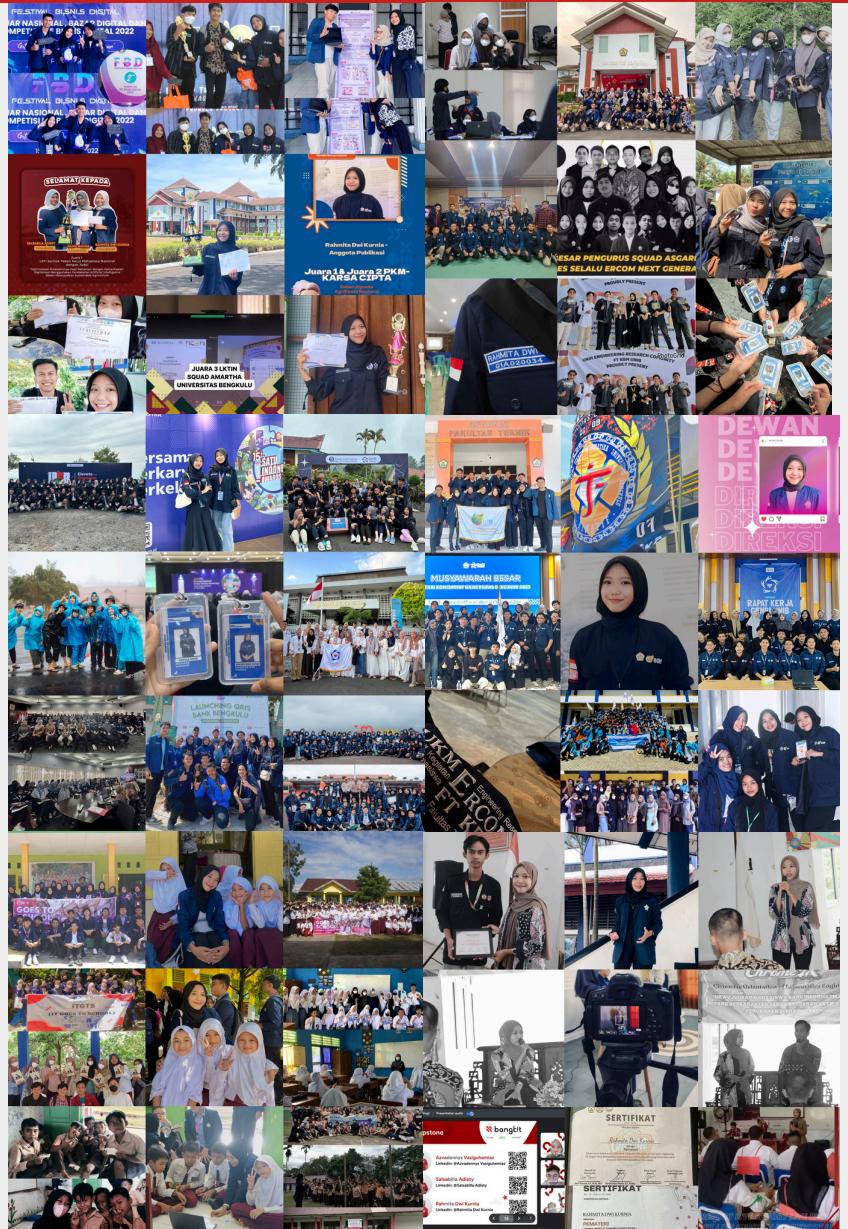
 Deep Learning/Machine Learning

 Database (SQL)

 ERD, DFD, Usecase

 Data Analyst & Processing Data

 Python, Power BI



# MAGENTA BUMN PROC. GOVERNANCE SUPPORT SYSTEM - PT PERTAMINA PATRA NIAGA

Subholding Commercial & Tradding

Sept 2024 - Present

Skill : Data Analyst, Application testing, Power BI, Python programming, Database



## Project Procurement Dashboard PROFED & PROMOD



On Board Magenta PT Pertamina Patra Niaga

## INTERNSHIP SUPPORT SYSTEM UIKSP DIVISION - KPw. BANK INDONESIA BENGKULU

Banking & Services

January 2024 - March 2024

Skill : GIS, Python, Excel, Core Bank System (CBS), Document archiving



On Board Internship BI Bengkulu



TPP2DD : Tim Percepatan Penguatan Digitalisasi Daerah



GIS Project Mapping



## PROJECT PREDICTION OF ALZHEIMER'S OASIS (MEDICAL IMAGES) USING TRANSFER LEARNING METHOD WITH INCEPTIONV3.

December 2023

Skill : AI, Transfer Learning, Deep Learning, Cleaning - Processing - Augmentation - Normalization Data, Testing Data, CRISP-DM, Confusion Matrix.

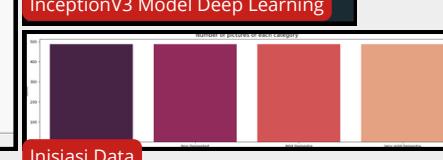


```
[ ] from tensorflow.keras.optimizers import RMSprop
from tensorflow.keras import Model

# Flatten the output layer to 1 dimension
x = layers.Flatten()(last_output)
# Add a fully connected layer with 1,024 hidden units
x = layers.Dense(1024, activation='relu')(x)
# Add a dropout rate of 0.2
x = layers.Dropout(0.2)(x)
# Add a final sigmoid layer for classification
x = layers.Dense (4, activation='softmax')(x)

# Freeze the dense network to the base model
```

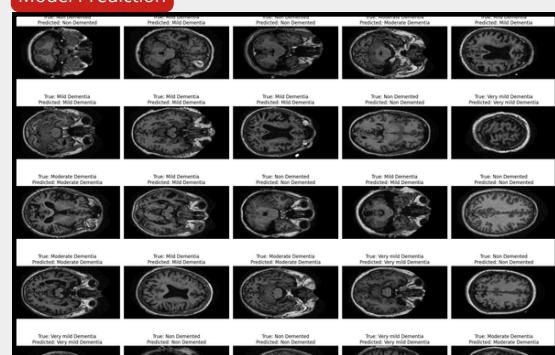
InceptionV3 Model Deep Learning



Grafik data training & validasi

Inisiasi Data

## Model Prediction



MBKM Kampus Merdeka

February 2023 - August 2023

Skill : Artificial intelligence, Deep Learning, Data Processing, Python Programming, Business Plan Application, Team work



Preprocessing model

Brainstorming business project ideas

Grafik data training & validasi

confusion matrix

Collecting data and interviews

iFiCam Application

Deep Learning Model Prediction Results

## PROJECT COMPARATIVE STUDY OF ENSEMBLE TRANSFER LEARNING ALGORITHMS FOR SPICE TYPES

October 2023 - March 2024

Skill : AI, Transfer Learning, Deep Learning, Cleaning - Processing - Augmentation - Normalization Data, Testing Data, CRISP-DM, Confusion Matrix.

Using Algorithms Xception, Densenet201, VGG16

<https://github.com/RahmitaDwi18/Spice-image-classification-using-Transfer-Learning-Xception.git>

Grafik data training & validasi

Akurasi Data Up Tercelup Kombinasi Model Ensemble

Number of pictures of each category

Collecting data

Preprocessing model

Deep Learning Model Prediction Results

## PROJECT DEEP LEARNING MODEL TO PREDICT TYPES OF FLOWERS (SUNFLOWER, DAISY, AND LOTUS) USING CONVOLUTIONAL NEURAL NETWORK (CNN)

September 2023

Skill : Neural Network, Cleaning - Processing - Augmentation - Normalization Data, Testing Data, Confusion Matrix.

CNN Model Deep Learning

Grafik data training & validasi

Deep Learning Model Prediction Results

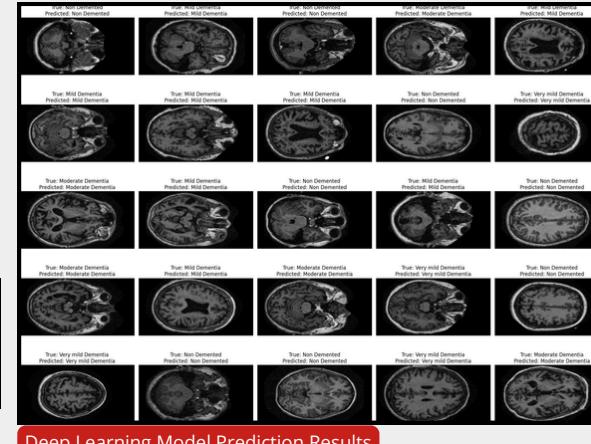
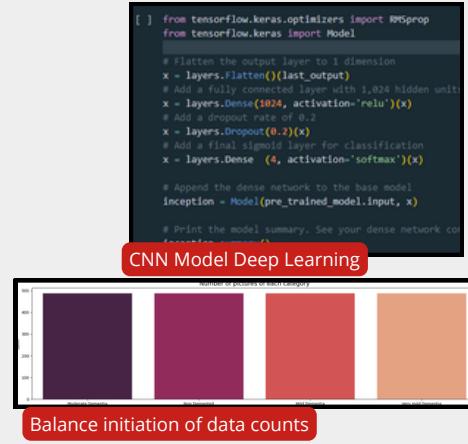
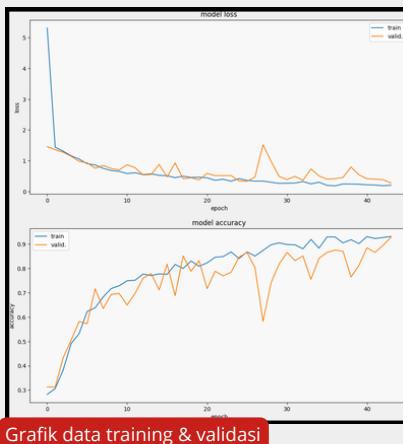
Number of pictures of each category

Balance initiation of data counts

# PREDICTION OF ALZHEIMER'S OASIS (MEDICAL IMAGES) USING TRANSFER LEARNING METHOD WITH INCEPTIONV3.

December 2023

Skill : AI, Transfer Learning, Deep Learning, Cleaning – Processing – Augmentation – Normalization Data, Testing Data, CRISP-DM, Confusion Matrix.

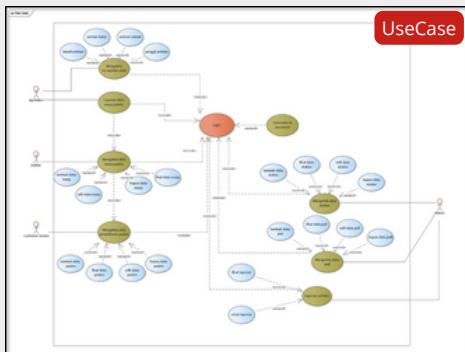


## INTERSHIP WEB DEVELOPER - PUSKESMAS NUSA INDAH BENGKULU

Developed a Drug Queue Information System using the Laravel framework

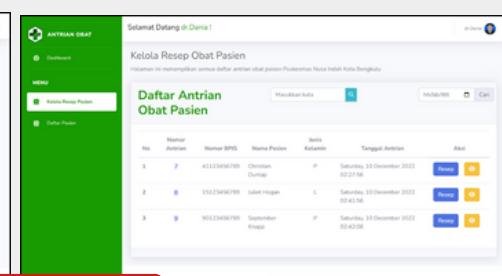
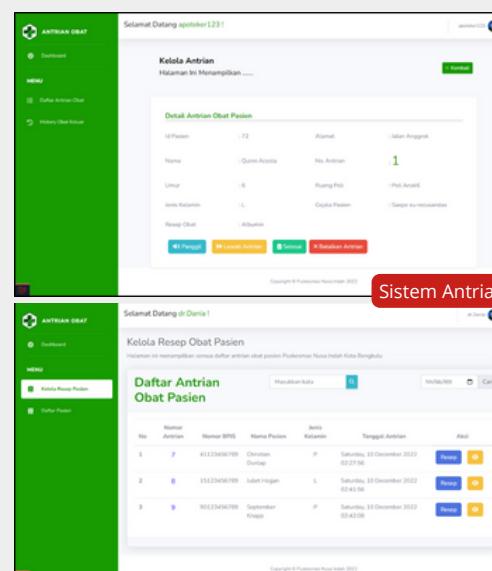
August 2022 – December 2022

Skill : PHP Programming, Database SQL, UseCase, ERD, CSS, Laravel, XAMPP



<https://github.com/RahmitaDwi18/SI-Antrian-Obat-Puskesmas-Laravel>

ERD Database



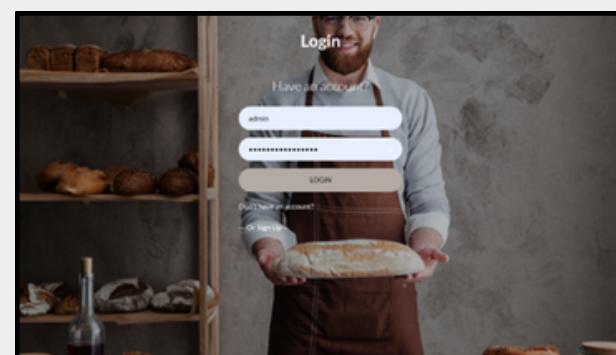
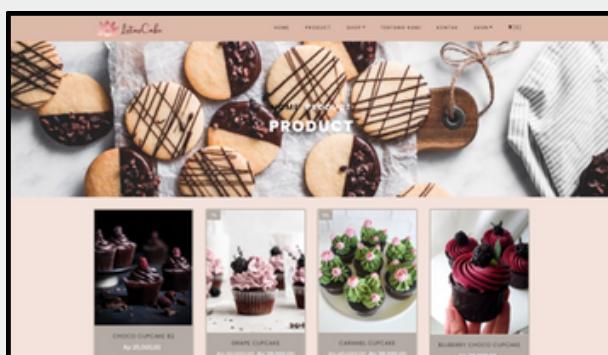
Sistem Antrian Obat Puskesmas

## LOTUS CAKE E-COMMERCE APPLICATION BASED ON DYNAMIC WEBSITE

August – October 2022

Skill : PHP Programming, Database SQL, UseCase, ERD, Laravel, CSS, PHP My Admin

<https://github.com/RahmitaDwi18/Ecommerce-toko-cake-laravel>

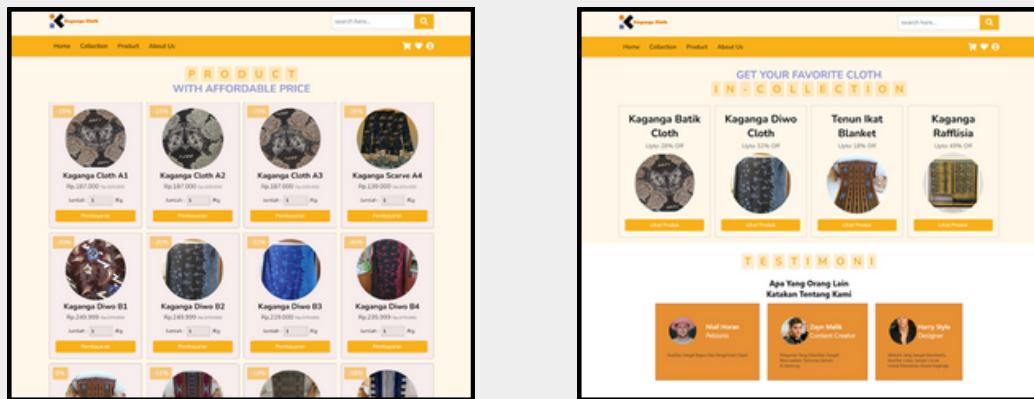


# E-COMMERCE OF KAGANGA FABRIC TYPICAL OF BENGKULU PROVINCE BASED ON STATIC WEBSITE

March - June 2022

Skill : HTML, Database SQL, UseCase, ERD, CSS, PHP My Admin

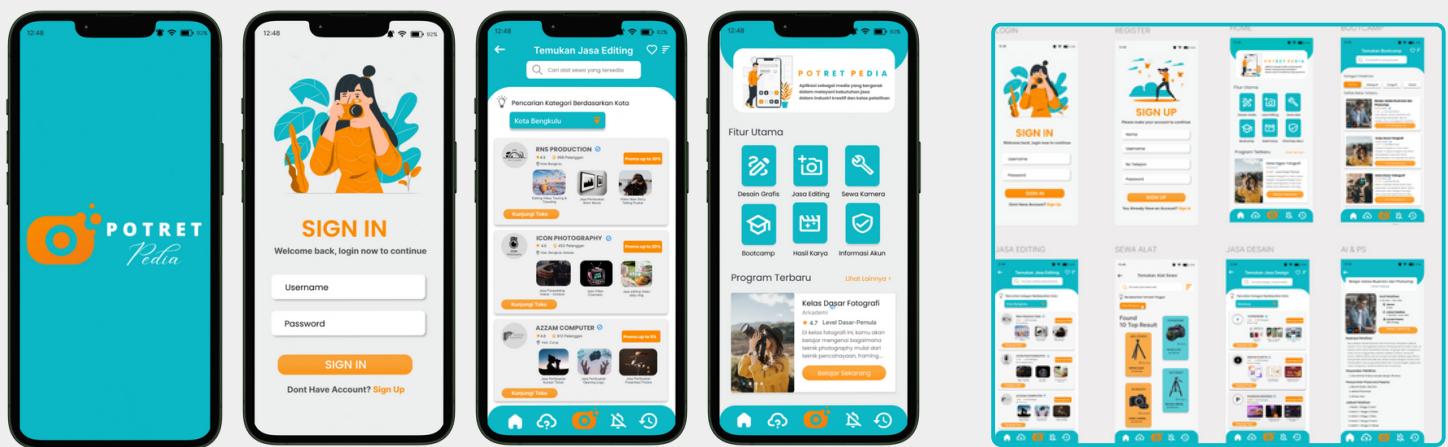
<https://github.com/RahmitaDwi18/Website-Basic-Ecommerce-Batik-Kaganga-With-HTML>



## UI/UX DESIGN OF THE POTRET PEDIA APPLICATION

2022 - 2023

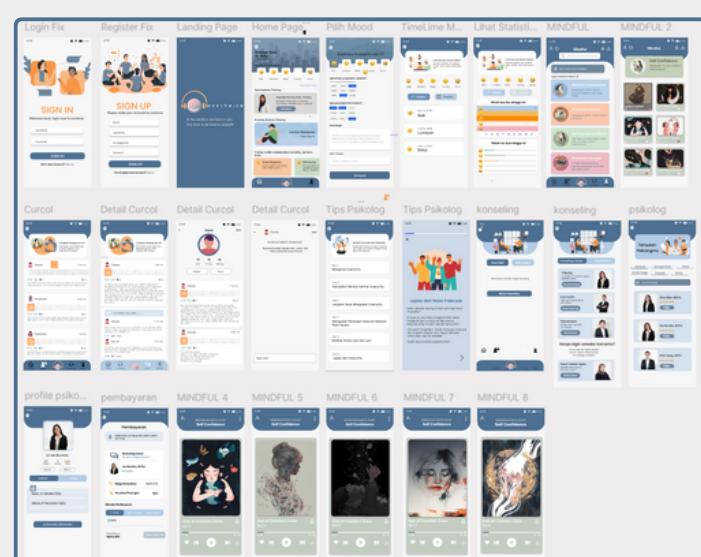
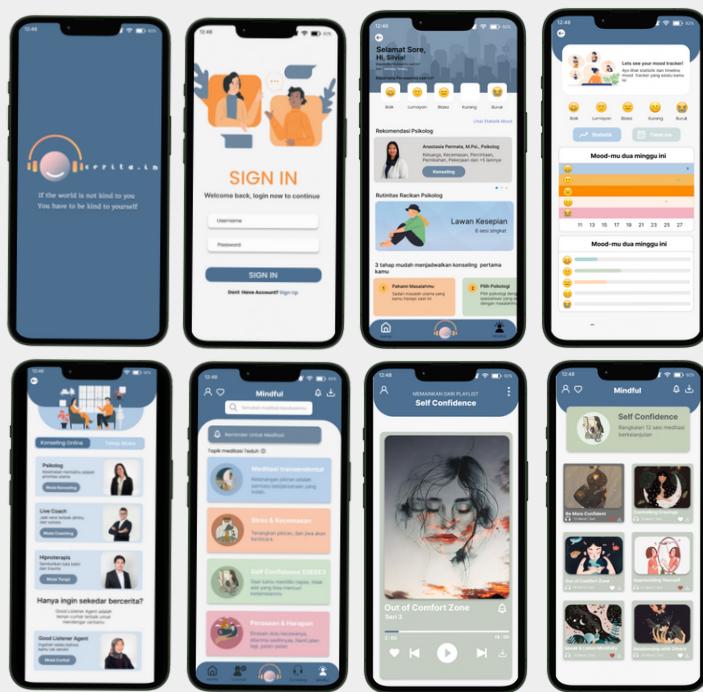
Skill : UI/UX Design, Figma, Wireframing & Prototyping



## UI/UX DESIGN OF THE CERITA.IN APPLICATION

2022 - 2023

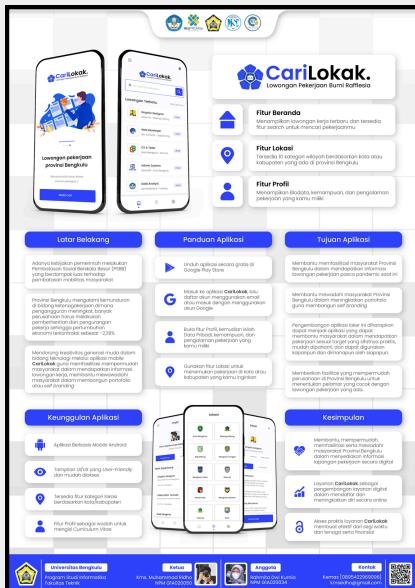
Skill : UI/UX Design, Figma, Wireframing & Prototyping, Creativity, Critical Thinking



# SCIENTIFIC POSTER DESIGN PROJECT

## 1st place MSC National Scientific Poster (MIPA Scientist Club)

**Theme:** The Role of Students in Covid 19 Pandemic Recovery  
**Title:** 'CariLokak' Bengkulu Province Job Vacancy Application



## 2nd place National Poster MEDCOM Scientific (Medika Competition)

**Theme:** Creative Innovation in Building Digital Agriculture 5.0 in the New Normal Period

**Title:** 'TaniKito' Agriculture Solution in one Application

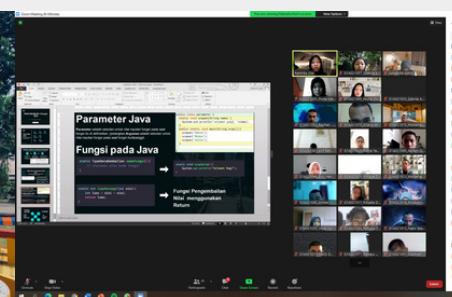
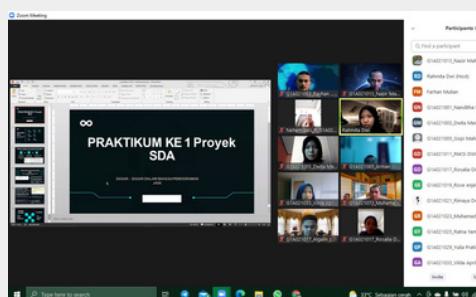


## Best Presentation NEON Scientific Paper

**Title:** SD-MASK (Social Distancing & Mask Detector): Implementation of AI Computer Vision to Minimize Covid-19 Spread



## ASSISTANT LECTURER AT DATA STRUCTURE & ALGORITHM AND DATABASE LABORATORY, FACULTY OF ENGINEERING



## EXPERIENCE AS A SPEAKER OR RESOURCE PERSON IN SEMINAR/WORKSHOP ACTIVITIES OR STUDENT SHARING SESSIONS



# OTHER EXPERIENCE

Outstanding student - Faculty of Engineering 2023



Awardee of the Bank Indonesia Scholarship (2022–2024)



## ORGANIZATIONAL EXPERIENCE:

Board of Directors, Treasurer, Secretary - Division of Communication, Social Affairs, Entrepreneurship, Secretariat Bureau, Community Service



## National Technology Innovation and Scientific Work Champion



## Certifications and Competency Training

