CAMARINES SUR POLYTECHNIC COLLEGES
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CAMARINES SUR POLYTECHNIC COLLEGES
COLLEGE of COMPUTER STUDIES

LOREM IPSUM DOLOR SIT AMET CONSECTETUR ADIPISCING ELIT NUNC SCELERISQUE HENDRERIT FRINGILLA

A Thesis Project
presented to the Faculty of
College of Computer Studies
Camarines Sur Polytechnic Colleges

In Partial Fulfillment of the Requirements
for the degree Bachelor of Science in Computer Science

By
Author Name 1
Author Name 2
Author Name 3

January 2022

APPROVAL PAGE

In partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science, this research entitled **LOREM IPSUM DOLOR SIT AMET CONSECTETUR ADIPISCING ELIT NUNC SCELERISQUE HENDRERIT FRINGILLA** prepared and submitted by **Author Name 1**, **Author Name 2 , Author Name 3** has been examined and is recommended for approval and acceptance.

ADVISER NAME

Adviser

This research project entitled, **LOREM IPSUM DOLOR SIT AMET CONSECTETUR ADIPISCING ELIT NUNC SCELERISQUE HENDRERIT FRINGILLA**, in partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science has been examined and is recommended for acceptance and approval for ORAL EXAMINATION.

RESEARCH COMMITTEE:

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ACCEPTED and **APPROVED** in partial fulfillment of the requirements in Bachelor of Science in Computer Science with a grade of 90.

DEAN NAME, DIT

Dean, Camarines Sur Polytechnic Colleges

Date:_____

DEDICATION

Ad Majorem Dei Gloriam

ACKNOWLEDGMENTS

I would like to thank the members of my thesis committee for their help in preparation of this work – Niles Caulder, without whom I would have been doomed to never complete it, Kimiyo Hoshi, who helped to shed new light on many of my ideas, Pamela Isley, with whom I often disagree but who inspires me to be better, Raymond Palmer, who had no small part to play in the formation of the idea, and Kent Nelson, who always had golden advice.

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ABSTRACT

Title:	Lorem ipsum dolor sit amet consectetur adipiscing elit Nunc scelerisque hendrerit fringilla
Authors:	Author Name 1 Author Name 2 Author Name 3
Number of Pages:	20
School:	Camarines Sur Polytechnic Colleges
Degree Conferred:	Bachelor of Science in Computer Science
Keywords:	amet, consectetur, adipisci velit

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CHAPTER 1

INTRODUCTION

Background of the Problem

It is common knowledge that the star closest to Earth is the Sun, and also that the Sun is yellow. It is this yellow sunlight which is interesting for some of its properties [3]. For instance, plants, algae, and cyanobacteria convert this light into energy via photosynthesis. In Figure 5 is a photo of a galaxy which contains many stars.[2]

Figure 1: **Sample Figure Caption.**

Shown in Figure 2, the stars in the sky are of particular interest to the aptly, which in many recent experiments has shown promising results in converting this energy in a non-photoelectric sense into usable energy.

Interestingly, has theorized that the famous superhero known as “Superman” converts the light from our sun, which grants his fantastic abilities. There are many methods in

industry for converting the sun's energy (of about 1000 W/m^2) into electrical energy. Some of these are highlighted in Table 2.

Table 1
This is a table

installation	type	capacity (GW)	location
Longyangxia Dam	photovoltaic	0.85	China
Gansu Wind Farm	wind	6	China
Sihwa Lake	tidal	0.254	South Korea

Statement of the Problem

Enter the statement of the problem here. To cite a study add a bib entry in the references.bib, then use this code [1] to cite the study.

Objectives of the Study

General Objective

Enter your General Objective here.

Specific Objectives

More Specifically, this study aims to:

1. To write this research paper
2. To present it in the title defense.

Significance of the Study

Write your Significance of the study here.

Scope and Limitation

State the scope and limitation of your study here.

Project Dictionary

The Project Dictionary contains the technical terms that defined the conceptual and operation of this study:

- **Convolutional Neural Network (CNN, or ConvNet).** is a class of artificial neural network, most commonly applied to analyze visual imagery.[1] They are also known as shift invariant or space invariant artificial neural networks (SIANN), based on the shared-weight architecture of the convolution kernels or filters that slide along input features and provide translation equivariant responses known as feature maps.
- **Digital image processing** is the use of a digital computer to process digital images through an algorithm [4].

Notes

[1] [n. d.] Biblatex - How to use biber. Retrieved Feb. 16, 2022 from https://tex.stackexchange.com/questions/26516/how-to-use-biber.

[2] Wikipedia Bikol. [n. d.] Central Bikol - Wikipedia — en.wikipedia.org. https://en.wikipedia.org/wiki/Central_Bikol. [Accessed 05-03-2024]. ().

[3] Joseph Jessie S. Oñate and Marianne Ang-Tolentino. 2021. Exploring RAU-net for semantic segmentation of Philippines satellite images in identification of building density. en. *International Journal of Remote Sensing*, (Nov. 2021), 1–19. DOI: 10.1080/01431161.2021.1986239.

[4] Mohinder Suresh. Evolution: a revised theory. (2006).

CHAPTER 2

RELATED LITERATURE AND STUDIES

The process of data collection began with analysis of the physical principles underlying optical light emission. For illustration purposes, see **??**.

Review of Related Literature and Studies

According to Scholes et al. [2011] jjdepending on the energy of a photon, it may be referred to as "light" (in the case of optical photons) or as something else – for example, a gamma ray. By convention, there are many names for these particles.

Low-energy photons

The lowest energy electromagnetic radiation is carried by radio wave [1].

Intermediate-energy photons

ssdsdsd dssdsd [2012] include several types of radiation, including the usually-harmful.

Microwaves

Microwaves have wavelengths on the order of 1×10^{-2} m, or a few cm.

Visible light

Visible light is that which is detectable by the human eye, with wavelengths about 380 nm to 750 nm [2, 5].

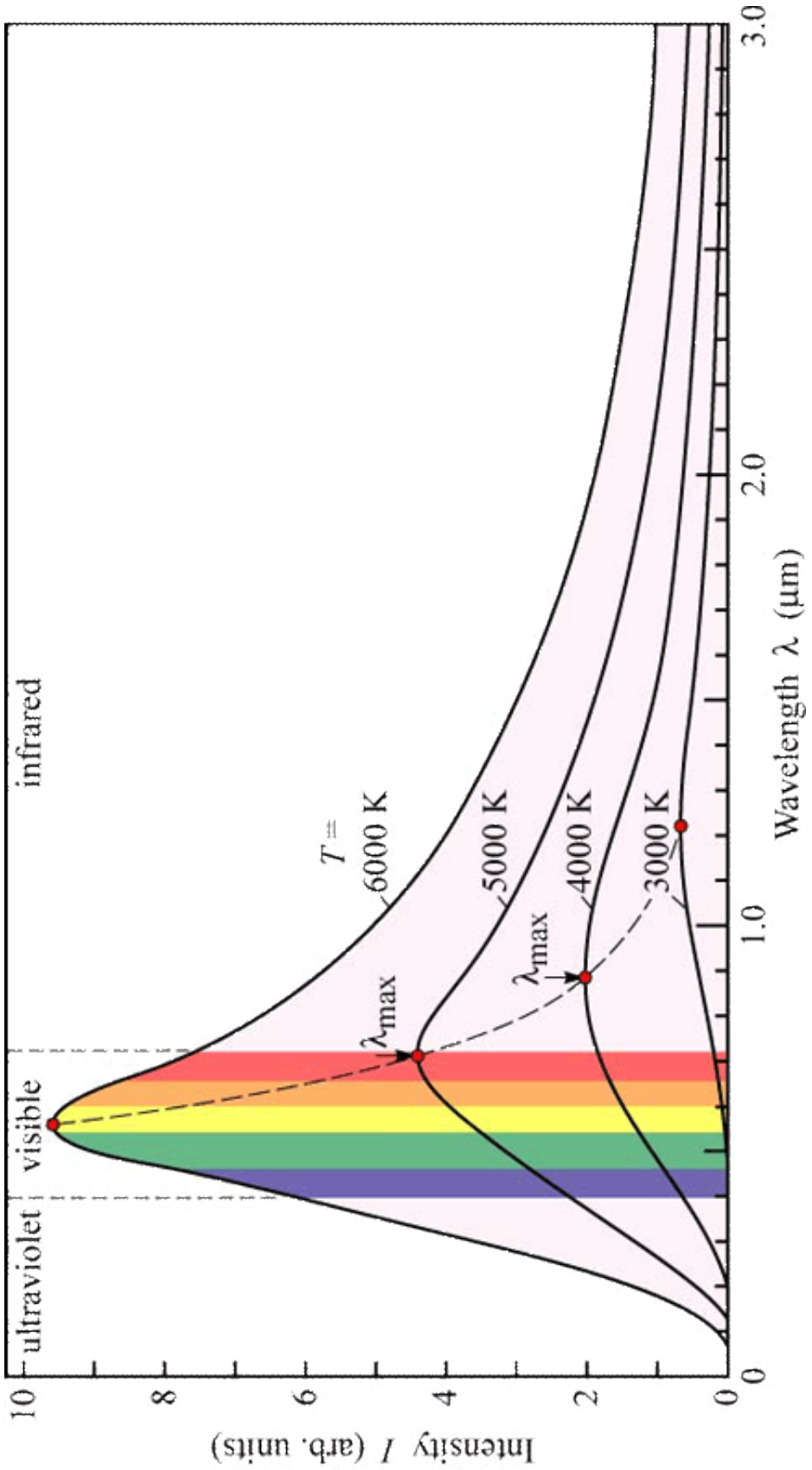

Figure 2: **Sample Caption.**

Figure 3: **Barred spiral galaxy NGC 1300 photographed by Hubble telescope. While the galaxy in the photo is not our sun, it does emit light, much like our sun. Image credit: NASA.**

Notes

[1] Barry Allen and Wally West. 2019. Attosecond-length perception of events toward truly sustainable energy. eng. *Journal of Ultrafast Physics*, 42, 1, 43–45.

[2] Joseph Jessie S. Oñate and Marianne Ang-Tolentino. 2021. Exploring RAU-net for semantic segmentation of Philippines satellite images in identification of building density. en. *International Journal of Remote Sensing*, (Nov. 2021), 1–19. DOI: 10.1080/01431161.2021.1986239.

[3] Gregory D Scholes, Graham R Fleming, Alexandra Olaya-Castro, and Rienk Van Grondelle. 2011. Lessons from nature about solar light harvesting. *Nature chemistry*, 3, 10, 763. doi:10.1038/nchem.1145.

[4] dssdsd ssdsdsd dssdsd. 2012. *Solid Waste Management and Flooding in Nabua*. Ph.D. Dissertation.

[5] G.H. Wannier. 1987. *Statistical Physics*. *Dover Books on Physics*. Dover Publications. ISBN: 9780486654010. https://books.google.com/books?id=MDYihVaJgDIC.

CHAPTER 3

THIS IS A CHAPTER

This is a Section

Table 2
This is a table

Model	Parameters	Performance
U-Net		0.85
DenseNet	25M	0.85
ResNet		0.85

It is common knowledge that the star closest to Earth is the Sun, and also that the Sun is yellow. It is this yellow sunlight which is interesting for some of its properties.

The equation $E = mc^2$ is famous.

This is a Subsection

It is common knowledge that the star closest to Earth is the Sun, and also that the Sun is yellow. It is this yellow sunlight which is interesting for some of its properties.

This is a Subsubsection

It is common knowledge that the star closest to Earth is the Sun, and also that the Sun is yellow. It is this yellow sunlight which is interesting for some of its properties.

CHAPTER 4

RESULTS AND DISCUSSION

Figure 4: **Barred spiral galaxy NGC 1300 photographed by Hubble telescope. While the galaxy in the photo is not our sun, it does emit light, much like our sun. Image credit: NASA.**

CHAPTER 5

CONCLUSION

Figure 5: **Barred spiral galaxy NGC 1300 photographed by Hubble telescope. While the galaxy in the photo is not our sun, it does emit light, much like our sun. Image credit: NASA.**

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G.H. Wannier. 1987. *Statistical Physics*. *Dover Books on Physics*. Dover Publications. ISBN: 9780486654010. https://books.google.com/books?id=MDYihVaJgDIC.

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Joseph Jessie S. Oñate and Marianne Ang-Tolentino. 2021. Exploring RAU-net for semantic segmentation of Philippines satellite images in identification of building density. en. *International Journal of Remote Sensing*, (Nov. 2021), 1–19. DOI: 10.1080/01431161.2021.1986239.

Gregory D Scholes, Graham R Fleming, Alexandra Olaya-Castro, and Rienk Van Grondelle. 2011. Lessons from nature about solar light harvesting. *Nature chemistry*, 3, 10, 763. doi:10.1038/nchem.1145.

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dssdsd ssdsdsd dssdsd. 2012. *Solid Waste Management and Flooding in Nabua*. Ph.D. Dissertation.

[n. d.] Techopedia: Educating IT Professionals To Make Smarter Decisions. (). Retrieved Jan. 24, 2023 from https://www.techopedia.com/.

APPENDICES

APPENDIX A

LANGUAGE EDITING CERTIFICATION

This is to certify that the undersigned has reviewed and went through all the pages of the Bachelor of Science in Computer Science thesis manuscript titled

"ENTER YOUR TITLE HERE"

of **AuthorName1**, **AuthorName2**, **AuthorName3**, as against the set of structural rules that govern research writing in accord with the composition of sentences, phrases, and words in the English language.

JUAN DE LA CRUZ

Language Editor

Date:_____

APPENDIX B

SECRETARY'S CERTIFICATION

This is to certify that the undersigned has provided accurate recommendations, suggestions, and comments unanimously agreed and approved by the panel of examiners during the oral examination of the thesis titled

"ENTER YOUR TITLE HERE"

prepared and submitted by **AuthorName1**, **AuthorName2**, **AuthorName3**, and that the same have not been amended, modified or obliterated.

MS. MARIA DAISY R. BELARDO

Secretary

Date:_____

APPENDIX C

JOINT AFFIDAVIT OF UNDERTAKING (PLAGIARISM)

JOINT AFFIDAVIT OF UNDERTAKING

APPENDIX D

SOURCE CODE

```
import numpy as np

def incmatrix(genl1,genl2):
    m = len(genl1)
    n = len(genl2)
    M = None #to become the incidence matrix
    VT = np.zeros((n*m,1), int)  #dummy variable

    #compute the bitwise xor matrix
    M1 = bitxormatrix(genl1)
    M2 = np.triu(bitxormatrix(genl2),1)

    for i in range(m-1):
        for j in range(i+1, m):
            [r,c] = np.where(M2 == M1[i,j])
            for k in range(len(r)):
                VT[(i)*n + r[k]] = 1;
                VT[(i)*n + c[k]] = 1;
                VT[(j)*n + r[k]] = 1;
                VT[(j)*n + c[k]] = 1;

                if M is None:
                    M = np.copy(VT)
                else:
                    M = np.concatenate((M, VT), 1)

                VT = np.zeros((n*m,1), int)
```

```
28
29      return M
```

Listing D.1: Python example

VITA

- **J D Cruz** is a Lorem Ipsum

- **J D Cruz** is a Lorem Ipsum
- **J D Cruz** is a Lorem Ipsum