

FIRSTNAME LASTNAME FIRSTNAME LASTNAME

YOUR TITLE HERE

Três de Maio 2019

FIRSTNAME LASTNAME FIRSTNAME LASTNAME

YOUR TITLE HERE

Undergraduate Thesis of Bachelor of Information Systems - Três de Maio Faculty - SETREM

Advisor:

Dr. FirstName LastName

Três de Maio 2019

TERMO DE APROVAÇÃO

NAME NAME

TITLE HERE

Relatório aprovado como requisito parcial para obtenção do título de **Bacharel em Sistemas de Informação** concedido pela Faculdade de Sistemas de Informação da Sociedade Educacional Três de Maio, pela seguinte Banca examinadora:

Orientador: Prof. Name, Dr.

Faculdade de Sistemas de Informação da SETREM

Name, Dr.

Faculdade de Sistemas de Informação da SETREM

Name, M.Sc.

Faculdade de Sistemas de Informação da SETREM

Profa. Vera Lúcia Lorenset Benedetti, M.Sc. Coordenação do Curso Bacharelado em Sistemas de Informação Faculdade de Sistemas de Informação da SETREM.

ABSTRACT

The abstract goes here ...

Keywords: .

RESUMO

O resumo vai aqui...

Palavras-Chave: .

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LIST OF ABBREVIATIONS AND ACRONYMS

ACM Association for Computing Machinery

AWS Amazon Web Services

IBGE Brazilian Institute of Geography and Statistics

IEEE Institute of Electrical and Electronics Engineers

IoT Internet of Things

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INTRODUCTION

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LARCC [2019]

According to Vogel and Griebler et al. [2017], bla bla ...

Some authors prefere to include figures and others not [GRIEBLER; VO-GEL; MARON; MALISZEWSKI; SCHEPKE; FERNANDES, 2018].

There are some undergraduate thesis developed at LARCC [HENTGES; THOMé, 2013, MALISZEWSKI; BAUM, 2017, ROCKENBACH; ANDERLE, 2017, STEIN, 2018]

1 RESEARCH PLAN

1.1 THEME

1.1.1 Theme Delimitation

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

1.2 GENERAL OBJECTIVE

1.2.1 Specific Objectives

- aaaaaaaaaaaaaaa
- 2. bbbbbbbbbbbbbb

- 3. CCCCCCCCC
- 4. DDDDDDDDDDD
- 5. FFFFFFFFFF
- 6. GGGGGGG
- 1.3 JUSTIFICATION
- 1.4 PROBLEM
- 1.5 HYPOTHESIS
 - 1. A is equal to C
 - 2. D is bigger than G
- 1.6 METHODOLOGY
- 1.6.1 Approach
- 1.6.2 Procedures
- 1.6.3 Tecniques
- 1.6.4 Hyphoteses Validation
- 1.7 BUDGET
- 1.8 SCHEDULE OF ACTIVITIES

2 BACKGROUND

2.1 BUSINESS FIELD

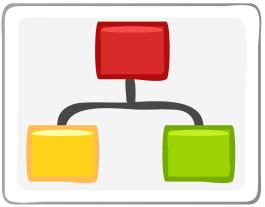
2.2 FUNDAMENTALS OF COMPUTING FOR THE STUDIED AREA

Equation 2.1 is an example of an equation in Latex:

$$h_t = f(W^{(hh)}h_{t-1} + W^{(hx)}x_t). (2.1)$$

Figure 1 is an example of including a figure.

Figure 1: Simple diagram



Source: Extracted from LARCC [2019].

Griebler and Hoffmann et al. [2018]

McCool, Robison and Reinders [2012]

2.3 RELATED WORK

Table 1 present an example of a Latex table.

Table 1: This is a simple example to build a table.

Α	В	N	T
Χ	у	W	G

3 RESULTS

The experiments and developement goes here...

3.1 HISTORY AND PRESENTAION OF THE ORGANIZATION

3.2 DEVELOPEMENTS

Listing 1 presents a Python code example.

Listing 1: Python code example.

```
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)
11
12
      for i in range (m-1):
13
          for j in range (i+1, m):
14
               [r,c] = np.where(M2 == M1[i,j])
15
               for k in range(len(r)):
16
                   VT[(i)*n + r[k]] = 1;
                   VT[(i)*n + c[k]] = 1;
18
                   VT[(j)*n + r[k]] = 1;
19
                   VT[(j)*n + c[k]] = 1;
20
21
                   if M is None:
                       M = np.copy(VT)
23
                   else:
24
                       M = np.concatenate((M, VT), 1)
25
26
                   VT = np.zeros((n*m,1), int)
27
28
      return M
```

Listing 2 presents a C++ code example.

Listing 2: C++ code example.

```
#include < stdio.h>
#include < iostream >
// A comment
int main(void)

printf("Hello World\n");
return 0;
}
```

3.3 EXPERIMENTS

CONCLUSIONS

Conclusions goes here ...

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