# Romel Aldair Vázquez Molina

Date of Birth: 08/20/2000 Version: January 2022

Email: A01700519@itesm.mx Tel: +521 81-3698-4267

#### **EDUCATION**

# Instituto Tecnológico de Estudios Superiores de Monterrey Campus Monterrey – Nuevo León, México

January 2019-June 2024(Expected Graduation Date)

"Bachelor of Software Engineering"

Average grade: 98/100, (3.9 GPA)

University of International Business and Economics – Beijing, China

July 2017 - August

"Study abroad: Chinese culture and mandarin language"

2017

Algebra University College – Zagreb, Croatia

"Artificial Intelligence Course"

July 2021

Universität Wien – Vienna, Austria

July 2021

"Conferences about experimentation and training for software engineering activities"

#### WORK EXPERIENCE

Kumon Santiago de Querétaro,
Querétaro, México

Math Coach September 2018 – January 2019

- Encouraged and taught children and teenagers, to develop their skills in mathematics.
- Taught them how to solve difficult problems, by dividing into simple tasks.

#### **PROJECTS**

Github link: <a href="https://github.com/RomelVazquez2008/RomelVazquezProjects">https://github.com/RomelVazquez2008/RomelVazquezProjects</a>

# **Lights Traffic Optimization – University Project (Multi-agent systems)**

2021

In a team of four members, we develop a simulation of the implementation of smart lights traffic in one corner of our streets, to reduce the vehicular traffic at some hours

- Implemented in Python, C# and Unity (400 code lines in Python and 300 code lines in C#)
- I designed the car and light traffic agents with the agentPy library.

#### **Lexical Analyzer – University Project (Computational Methods course)**

2021

This program processes a sequence of characters in a txt file to identify all the token contained it.

- Implemented in C++ (500 code lines)
- I designed a deterministic finite automaton for the purpose of identifies every input and output.

#### **Uber Eats Simulator – University Project (Object-Oriented Programming course)**

2020

An emulation of the famous app Uber Eats, where the user can order and pay for food.

- Implemented in C++ (1300 code lines)
- I used the concept of polymorphism, abstract classes and other basic concepts for OOP.

## Mining Project Management – University Project (Object-Oriented Programming course)

2019

An application to improve communication in the mining sector.

- Implemented in C++ (3000 code lines)
- Being my first Object-Oriented Project I designed an UML diagram and coded: inheritance, aggregation, and composition.

# Typing Keyboard Gaming – University Project (Computational Thinking and Programming course)

2019

A game where users type from the keyboard as the computer requests. Inspired by Piano Tiles and Guitar Hero.

- Implemented in Python (1000 code lines) with the Pygame library.
- The main idea is to help people increase their speed and made less mistakes on the keyboard. It is aimed at beginners and advance users.
- I implemented all the basic programing functions, such as: loops, conditionals, arrays, graphic interface, as many others.

#### PROGRAMMING LANGUAGES

Python, C, C++ (2 years of experience)

Matlab, R, Arduino, MIT app inventor (6 months of experience) Scheme, Unity (2 months of experience)

#### **LANGUAGES**

Spanish – Native language

English – B1level /Toefl score 517 (2017)

#### **AWARDS**

I participated in "Olympiad Science Contest" in Physics and

Chemistry categories - 2017

I won 1st place "High School app development" competition. - 2017

I obtained an 80% scholarship from Tecnológico de Monterrey.

I won 1st place in 10,000m "Queretaro municipal athletics

competition" Juvenile Category - 2019

#### **INTERESTS**

I practice athletics as a long-distance runner for my university team.

I am interested in gardening and the environment.

I like to play strategic video-games, including: Chess, League of Legends, Age of Empires and Civilization.

# UNNOFICIAL TRANSCRIPT

(Mathematics and Data Science for Decision Making)  • Engineering and Science Modelling 97/100  • Computational Modelling of Movement 98/100  • Computational Modelling Applying Conservation Laws 97/100  • Mathematical Thinking 1 100/100  • Analysis of the Structure and Properties of Matter 100/100  • Computational Thinking and Programming 100/100  • Computational Biology Analysis 99/100  • Elective Course Ethics and Citizenship (Ethics and Propendition and Statistical Thinking 97/100  • Physical Experimentation and Statistical Thinking 97/100  • Computational Modelling of Electrical Systems 97/100  • Computational Modelling of Electrical Systems 97/100  • Computational Modelling of Electronagnetic Systems 97/100  • Computational Modelling of Electronagnetic Systems 97/100  • Intermediate Mathematical Modelling 100/100  • Statistic Analysis 100/100  • Statistic Analysis 100/100  • Statistic Analysis 100/100  • Modelling of Engineering with Computational Mathematics 99/100  • Object-Oriented Programming 100/100  • Third Semester • Elective Course Social and Behavioral Sciences (Anthropology of the Body) 97/100  • Analysis of Differential Equations 100/100  • Programming of Data Structures and Fundamental Algorithms 100/100  • Programming of Data Structures and Fundamental Algorithms 100/100  • Programming of Data Structures and Fundamental Algorithms 100/100  • Analysis of Software Requirements 100/100  • Exploration Topic (Social Entrepreneurship) 98/100  • Exploration Topic (Social Entrepreneurship) 98/100  • Device Interconnection 99/100  • Implementation of Computational Methods 100/100  • Implementation of Computational Methods 100/100  • Device Interconnection 99/100  • Implementation of Computational Methods 100/100  • Analysis and Design of Advanced Algorithms 100/100  • Software Construction and Decision Making 1n Progress	First Semester	Grade
Engineering and Science Modelling     Computational Modelling of Movement     Computational Modelling Of Movement     Mathematical Thinking I 100/100     Mathematical Thinking I 100/100     Analysis of the Structure and Properties of Matter 100/100     Computational Thinking and Programming 100/100  Second Semester      Computational Biology Analysis 99/100     Elective Course Ethics and Citizenship (Ethics and Psychology: From Self-Knowledge to Fullfillment) 93/100     Physical Experimentation and Statistical Thinking 97/100     Computational Modelling of Electrical Systems 97/100     Computational Modelling of Electromagnetic Systems 97/100     Computational Modelling of Electromagnetic Systems 89/100     Intermediate Mathematical Modelling 100/100     Statistic Analysis 100/100     Statistic Analysis 100/100     Statistic Analysis 100/100     Selective Course Social and Behavioral Sciences (Anthropology of the Body) 97/100     Analysis of Differential Equations 100/100     Implementation of the Internet of Things 100/100     Programming of Data Structures and Fundamental Algorithms 100/100     Programming of Software Requirements 100/100     Analysis of Software Requirements 100/100     Exploration Topic (Social Entrepreneurship) 98/100     Elective Course Humanities and Fine Arts (Art Appreciation) 100/100     Exploration of Computational Methods 100/100     Implementation of Computational Methods 100/100     Implementation of Computational Methods 100/100     Software Construction and Decision Making In Progress	<ul> <li>Elective Course Mathematics and Science</li> </ul>	
Computational Modelling of Movement Computational Modelling Applying Conservation Laws Mathematical Thinking I Analysis of the Structure and Properties of Matter Computational Thinking and Programming 100/100 Computational Thinking and Programming 100/100 Second Semester Computational Biology Analysis Elective Course Ethics and Citizenship (Ethics and Psychology: From Self-Knowledge to Fullfillment) Physical Experimentation and Statistical Thinking Computational Modelling of Electrical Systems Privious Computational Modelling of Electromagnetic Systems Computational Modelling of Electromagnetic Systems Intermediate Mathematical Modelling Statistic Analysis Indovidue Modelling of Engineering with Computational Mathematics Modelling of Engineering with Computational Mathematics Modelling of Engineering with Computational Mathematics Polyical Corrected Programming  Firid Semester  Elective Course Social and Behavioral Sciences (Anthropology of the Body) Analysis of Differential Equations Implementation of the Internet of Things Indovidue Programming of Data Structures and Fundamental Algorithms Modelling of Minimum Systems and Computational Architectures Analysis of Software Requirements Analysis of Software Requirements Elective Course Humanities and Fine Arts (Art Appreciation) Exploration Topic (Social Entrepreneurship) Seturth Semester  Elective Course Humanities and Fine Arts (Art Appreciation) Implementation of Computational Methods Analysis and Design of Advanced Algorithms Oflware Construction and Decision Making In Progress  Fifth Semester	(Mathematics and Data Science for Decision Making)	100/100
Computational Modelling Applying Conservation Laws Mathematical Thinking I Analysis of the Structure and Properties of Matter Computational Thinking and Programming 100/100 Computational Biology Analysis Computational Biology Analysis Elective Course Ethics and Citizenship (Ethics and Psychology: From Self-Knowledge to Fullfillment) Physical Experimentation and Statistical Thinking Computational Modelling of Electrical Systems Computational Modelling of Electrical Systems Computational Modelling of Electrical Systems Computational Modelling of Electromagnetic Systems Computational Modelling of Electromagnetic Systems Intermediate Mathematical Modelling Statistic Analysis Modelling of Engineering with Computational Mathematics Object-Oriented Programming  Flirid Semester Elective Course Social and Behavioral Sciences (Anthropology of the Body) Analysis of Differential Equations Implementation of the Internet of Things Analysis of Differential Equations Modelling of Minimum Systems and Computational Architectures Analysis of Software Requirements Exploration Topic (Social Entrepreneurship)  Exploration Topic (Social Entrepreneurship) Powice Interconnection Device Interconnection Device Interconnection Device Implementation of Computational Methods Analysis and Design of Advanced Algorithms Interpretation Making  Fifth Semester	<ul> <li>Engineering and Science Modelling</li> </ul>	97/100
Mathematical Thinking I Analysis of the Structure and Properties of Matter Computational Thinking and Programming 100/100 Computational Biology Analysis Elective Course Ethics and Citizenship (Ethics and Psychology: From Self-Knowledge to Fullfillment) Physical Experimentation and Statistical Thinking Computational Modelling of Electrical Systems Computational Modelling of Electromagnetic Systems Computational Modelling of Electromagnetic Systems Computational Modelling of Electromagnetic Systems Intermediate Mathematical Modelling Statistic Analysis Individual Fine Programming Statistic Analysis Modelling of Engineering with Computational Mathematics Object-Oriented Programming Novice Programming Third Semester  Elective Course Social and Behavioral Sciences (Anthropology of the Body) Analysis of Differential Equations Implementation of the Internet of Things Programming of Data Structures and Fundamental Algorithms Modelling of Minimum Systems and Computational Architectures Analysis of Software Requirements Exploration Topic (Social Entrepreneurship) Power Exploration Topic (Social Entrepreneurship) Elective Course Humanities and Fine Arts (Art Appreciation) Implementation of Computational Methods Analysis and Design of Advanced Algorithms Ooftware Construction and Decision Making  Fifth Semester	<ul> <li>Computational Modelling of Movement</li> </ul>	98/100
Analysis of the Structure and Properties of Matter Computational Thinking and Programming 100/100  Second Semester Computational Biology Analysis Elective Course Ethics and Citizenship (Ethics and Psychology: From Self-Knowledge to Fullfillment) Physical Experimentation and Statistical Thinking Computational Modelling of Electrical Systems Computational Modelling of Electromagnetic Systems Computational Modelling of Electromagnetic Systems Intermediate Mathematical Modelling Statistic Analysis Modelling of Engineering with Computational Mathematics Statistic Analysis Object-Oriented Programming  Third Semester Elective Course Social and Behavioral Sciences (Anthropology of the Body) Analysis of Differential Equations Implementation of the Internet of Things Programming of Data Structures and Fundamental Algorithms Modelling of Minimum Systems and Computational Architectures Analysis of Software Requirements Exploration Topic (Social Entrepreneurship) Exploration Topic (Social Entrepreneurship) Elective Course Humanities and Fine Arts (Art Appreciation) Emplementation of Computational Methods Analysis and Design of Advanced Algorithms Ol0/100 Implementation of Computational Methods Analysis and Design of Advanced Algorithms Ol0/100 Software Construction and Decision Making  Fifth Semester	<ul> <li>Computational Modelling Applying Conservation Laws</li> </ul>	97/100
Second Semester  Computational Thinking and Programming  Poly100  Elective Course Ethics and Citizenship  (Ethics and Psychology: From Self-Knowledge to Fullfillment)  Physical Experimentation and Statistical Thinking  Computational Modelling of Electrical Systems  Computational Modelling of Electromagnetic Systems  Intermediate Mathematical Modelling  Statistic Analysis  Intermediate Mathematical Modelling  Statistic Analysis  Modelling of Engineering with Computational Mathematics  Modelling of Engineering with Computational Mathematics  Elective Course Social and Behavioral Sciences  (Anthropology of the Body)  Analysis of Differential Equations  Implementation of the Internet of Things  Programming of Data Structures and Fundamental Algorithms  Modelling of Minimum Systems and Computational Architectures  Modelling of Minimum Systems and Computational Architectures  Exploration Topic (Social Entrepreneurship)  Exploration Topic (Social Entrepreneurship)  Exploration Topic (Social Entrepreneurship)  Elective Course Humanities and Fine Arts (Art Appreciation)  Implementation of Computational Methods  Analysis and Design of Advanced Algorithms  Novince  Analysis and Design of Advanced Algorithms  Software Construction and Decision Making  Fifth Semester	Mathematical Thinking I	100/100
Second Semester  Computational Biology Analysis Elective Course Ethics and Citizenship (Ethics and Psychology: From Self-Knowledge to Fullfillment) Physical Experimentation and Statistical Thinking Computational Modelling of Electrical Systems Computational Modelling of Electromagnetic Systems Nodelling of Engineering with Computational Mathematics Modelling of Engineering with Computational Mathematics Modelling of Engineering with Computational Mathematics Elective Course Social and Behavioral Sciences (Anthropology of the Body) Analysis of Differential Equations Implementation of the Internet of Things Inmplementation of the Internet of Things Modelling of Minimum Systems and Computational Architectures Modelling of Minimum Systems and Computational Architectures Modelling of Software Requirements Analysis of Software Requirements Exploration Topic (Social Entrepreneurship) Exploration Topic (Social Entrepreneurship) Exploration Topic (Social Entrepreneurship) Device Interconnection Implementation of Computational Methods Implementation of Computational Methods Implementation of Computational Methods Analysis and Design of Advanced Algorithms In Progress  Fifth Semester	<ul> <li>Analysis of the Structure and Properties of Matter</li> </ul>	100/100
<ul> <li>Computational Biology Analysis</li> <li>Elective Course Ethics and Citizenship</li> <li>(Ethics and Psychology: From Self-Knowledge to Fullfillment)</li> <li>Physical Experimentation and Statistical Thinking</li> <li>Physical Experimentation and Statistical Thinking</li> <li>Computational Modelling of Electrical Systems</li> <li>Computational Modelling of Electromagnetic Systems</li> <li>Computational Modelling of Electromagnetic Systems</li> <li>Intermediate Mathematical Modelling</li> <li>Statistic Analysis</li> <li>Modelling of Engineering with Computational Mathematics</li> <li>Object-Oriented Programming</li> <li>Object-Oriented Programming</li> <li>Elective Course Social and Behavioral Sciences</li> <li>(Anthropology of the Body)</li> <li>Analysis of Differential Equations</li> <li>Implementation of the Internet of Things</li> <li>Programming of Data Structures and Fundamental Algorithms</li> <li>Modelling of Minimum Systems and Computational Architectures</li> <li>Analysis of Software Requirements</li> <li>Analysis of Software Requirements</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Ecutive Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Inplementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>Fifth Semester</li> </ul>	Computational Thinking and Programming	100/100
Elective Course Ethics and Citizenship (Ethics and Psychology: From Self-Knowledge to Fullfillment) Physical Experimentation and Statistical Thinking Py/100 Computational Modelling of Electrical Systems Computational Modelling of Electromagnetic Systems Intermediate Mathematical Modelling Intermediate Mathematical Modelling Statistic Analysis Modelling of Engineering with Computational Mathematics Modelling of Engineering with Computational Mathematics Modelling of Engineering with Computational Mathematics Elective Course Social and Behavioral Sciences (Anthropology of the Body) Analysis of Differential Equations Implementation of the Internet of Things Programming of Data Structures and Fundamental Algorithms Modelling of Minimum Systems and Computational Architectures Modelling of Minimum Systems and Computational Architectures Analysis of Software Requirements Exploration Topic (Social Entrepreneurship) Exploration Topic (Social Entrepreneurship) Exploration Topic (Social Entrepreneurship) Device Interconnection Implementation of Computational Methods Inmplementation of Advanced Algorithms Software Construction and Decision Making In Progress  Fifth Semester	Second Semester	
(Ethics and Psychology: From Self-Knowledge to Fullfillment) Physical Experimentation and Statistical Thinking Computational Modelling of Electrical Systems Computational Modelling of Electromagnetic Systems Intermediate Mathematical Modelling In	Computational Biology Analysis	99/100
<ul> <li>Physical Experimentation and Statistical Thinking</li> <li>Computational Modelling of Electrical Systems</li> <li>Computational Modelling of Electromagnetic Systems</li> <li>Intermediate Mathematical Modelling</li> <li>Intermediate Mathematical Modelling</li> <li>Statistic Analysis</li> <li>Modelling of Engineering with Computational Mathematics</li> <li>Object-Oriented Programming</li> <li>Object-Oriented Programming</li> <li>Elective Course Social and Behavioral Sciences</li> <li>(Anthropology of the Body)</li> <li>Analysis of Differential Equations</li> <li>Implementation of the Internet of Things</li> <li>Programming of Data Structures and Fundamental Algorithms</li> <li>Modelling of Minimum Systems and Computational Architectures</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>In Progress</li> </ul>	<ul> <li>Elective Course Ethics and Citizenship</li> </ul>	
<ul> <li>Computational Modelling of Electrical Systems</li> <li>Computational Modelling of Electromagnetic Systems</li> <li>Intermediate Mathematical Modelling</li> <li>Intermediate Mathematical Modelling</li> <li>Statistic Analysis</li> <li>Modelling of Engineering with Computational Mathematics</li> <li>Object-Oriented Programming</li> <li>Object-Oriented Programming</li> <li>Elective Course Social and Behavioral Sciences</li> <li>(Anthropology of the Body)</li> <li>Analysis of Differential Equations</li> <li>Implementation of the Internet of Things</li> <li>Programming of Data Structures and Fundamental Algorithms</li> <li>Modelling of Minimum Systems and Computational Architectures</li> <li>Analysis of Software Requirements</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>In Progress</li> </ul>	(Ethics and Psychology: From Self-Knowledge to Fullfillment)	93/100
<ul> <li>Computational Modelling of Electromagnetic Systems</li> <li>Intermediate Mathematical Modelling</li> <li>Statistic Analysis</li> <li>Modelling of Engineering with Computational Mathematics</li> <li>Object-Oriented Programming</li> <li>Object-Oriented Programming</li> <li>Third Semester</li> <li>Elective Course Social and Behavioral Sciences</li> <li>(Anthropology of the Body)</li> <li>Analysis of Differential Equations</li> <li>Implementation of the Internet of Things</li> <li>Programming of Data Structures and Fundamental Algorithms</li> <li>Modelling of Minimum Systems and Computational Architectures</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>In Progress</li> </ul>	<ul> <li>Physical Experimentation and Statistical Thinking</li> </ul>	97/100
<ul> <li>Intermediate Mathematical Modelling</li> <li>Statistic Analysis</li> <li>Modelling of Engineering with Computational Mathematics</li> <li>Object-Oriented Programming</li> <li>Object-Oriented Programming</li> <li>Elective Course Social and Behavioral Sciences</li> <li>(Anthropology of the Body)</li> <li>Analysis of Differential Equations</li> <li>Implementation of the Internet of Things</li> <li>Programming of Data Structures and Fundamental Algorithms</li> <li>Modelling of Minimum Systems and Computational Architectures</li> <li>Analysis of Software Requirements</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>In Progress</li> </ul>	<ul> <li>Computational Modelling of Electrical Systems</li> </ul>	97/100
<ul> <li>Statistic Analysis</li> <li>Modelling of Engineering with Computational Mathematics</li> <li>Object-Oriented Programming</li> <li>100/100</li> <li>Third Semester</li> <li>Elective Course Social and Behavioral Sciences</li> <li>(Anthropology of the Body)</li> <li>Analysis of Differential Equations</li> <li>Implementation of the Internet of Things</li> <li>Programming of Data Structures and Fundamental Algorithms</li> <li>Modelling of Minimum Systems and Computational Architectures</li> <li>Analysis of Software Requirements</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>In Progress</li> </ul>	<ul> <li>Computational Modelling of Electromagnetic Systems</li> </ul>	89/100
<ul> <li>Modelling of Engineering with Computational Mathematics Object-Oriented Programming 100/100</li> <li>Third Semester  <ul> <li>Elective Course Social and Behavioral Sciences</li> <li>(Anthropology of the Body)</li> <li>Analysis of Differential Equations</li> <li>Implementation of the Internet of Things</li> <li>Programming of Data Structures and Fundamental Algorithms</li> <li>Modelling of Minimum Systems and Computational Architectures</li> <li>Analysis of Software Requirements</li> <li>Exploration Topic (Social Entrepreneurship)</li> </ul> </li> <li>Fourth Semester  <ul> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>In Progress</li> </ul> </li> <li>Fifth Semester</li> </ul>	Intermediate Mathematical Modelling	100/100
Object-Oriented Programming  Flitrd Semester  Elective Course Social and Behavioral Sciences (Anthropology of the Body) Analysis of Differential Equations Implementation of the Internet of Things Programming of Data Structures and Fundamental Algorithms Modelling of Minimum Systems and Computational Architectures Analysis of Software Requirements Analysis of Software Requirements Exploration Topic (Social Entrepreneurship)  Fourth Semester  Elective Course Humanities and Fine Arts (Art Appreciation) Device Interconnection Implementation of Computational Methods Analysis and Design of Advanced Algorithms Software Construction and Decision Making  Fifth Semester	Statistic Analysis	100/100
Object-Oriented Programming  Flitrd Semester  Elective Course Social and Behavioral Sciences (Anthropology of the Body) Analysis of Differential Equations Implementation of the Internet of Things Programming of Data Structures and Fundamental Algorithms Modelling of Minimum Systems and Computational Architectures Analysis of Software Requirements Analysis of Software Requirements Exploration Topic (Social Entrepreneurship)  Fourth Semester  Elective Course Humanities and Fine Arts (Art Appreciation) Device Interconnection Implementation of Computational Methods Analysis and Design of Advanced Algorithms Software Construction and Decision Making  Fifth Semester	<ul> <li>Modelling of Engineering with Computational Mathematics</li> </ul>	99/100
<ul> <li>Elective Course Social and Behavioral Sciences         <ul> <li>(Anthropology of the Body)</li> <li>Analysis of Differential Equations</li> <li>Implementation of the Internet of Things</li> <li>Programming of Data Structures and Fundamental Algorithms</li> <li>Modelling of Minimum Systems and Computational Architectures</li> <li>Modelling of Software Requirements</li> <li>Analysis of Software Requirements</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>98/100</li> <li>Fourth Semester</li> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li></ul></li></ul>		100/100
(Anthropology of the Body)  Analysis of Differential Equations Implementation of the Internet of Things Programming of Data Structures and Fundamental Algorithms Modelling of Minimum Systems and Computational Architectures Analysis of Software Requirements Exploration Topic (Social Entrepreneurship)  Fourth Semester  Elective Course Humanities and Fine Arts (Art Appreciation) Device Interconnection Implementation of Computational Methods Analysis and Design of Advanced Algorithms Software Construction and Decision Making  Fifth Semester	Third Semester	
<ul> <li>Analysis of Differential Equations</li> <li>Implementation of the Internet of Things</li> <li>Programming of Data Structures and Fundamental Algorithms</li> <li>Modelling of Minimum Systems and Computational Architectures</li> <li>Analysis of Software Requirements</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>In Progress</li> </ul>	<ul> <li>Elective Course Social and Behavioral Sciences</li> </ul>	
<ul> <li>Implementation of the Internet of Things</li> <li>Programming of Data Structures and Fundamental Algorithms</li> <li>Modelling of Minimum Systems and Computational Architectures</li> <li>Analysis of Software Requirements</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>In Progress</li> </ul>	(Anthropology of the Body)	97/100
<ul> <li>Programming of Data Structures and Fundamental Algorithms</li> <li>Modelling of Minimum Systems and Computational Architectures</li> <li>Analysis of Software Requirements</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Fourth Semester</li> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>Fifth Semester</li> </ul>	<ul> <li>Analysis of Differential Equations</li> </ul>	100/100
<ul> <li>Modelling of Minimum Systems and Computational Architectures</li> <li>Analysis of Software Requirements</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>In Progress</li> </ul>	<ul> <li>Implementation of the Internet of Things</li> </ul>	100/100
<ul> <li>Analysis of Software Requirements</li> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Fourth Semester</li> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>In Progress</li> </ul>	<ul> <li>Programming of Data Structures and Fundamental Algorithms</li> </ul>	100/100
<ul> <li>Exploration Topic (Social Entrepreneurship)</li> <li>Fourth Semester</li> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>Fifth Semester</li> </ul>	<ul> <li>Modelling of Minimum Systems and Computational Architectures</li> </ul>	99/100
Fourth Semester  • Elective Course Humanities and Fine Arts (Art Appreciation) 100/100 • Device Interconnection 99/100 • Implementation of Computational Methods 100/100 • Analysis and Design of Advanced Algorithms 100/100 • Software Construction and Decision Making In Progress  Fifth Semester	<ul> <li>Analysis of Software Requirements</li> </ul>	100/100
<ul> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>Fifth Semester</li> </ul>		98/100
<ul> <li>Device Interconnection</li> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>Fifth Semester</li> </ul>	Fourth Semester	
<ul> <li>Implementation of Computational Methods</li> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>Fifth Semester</li> </ul>	<ul> <li>Elective Course Humanities and Fine Arts (Art Appreciation)</li> </ul>	100/100
<ul> <li>Analysis and Design of Advanced Algorithms</li> <li>Software Construction and Decision Making</li> <li>Fifth Semester</li> </ul>	<ul> <li>Device Interconnection</li> </ul>	99/100
• Software Construction and Decision Making In Progress Fifth Semester	<ul> <li>Implementation of Computational Methods</li> </ul>	100/100
Fifth Semester	<ul> <li>Analysis and Design of Advanced Algorithms</li> </ul>	100/100
		In Progress
<ul> <li>Modeling of Multi-Agent Systems with Computer Graphics 100/100</li> </ul>		
	<ul> <li>Modeling of Multi-Agent Systems with Computer Graphics</li> </ul>	100/100
<ul> <li>Analysis and Design of Advanced Algorithms</li> <li>100/100</li> </ul>		
<ul> <li>Integration of Computer Security in Networks and Software Systems In Progress</li> </ul>		In Progress
<ul> <li>Elective Course Leadership, Entrepreneurship and Innovation</li> </ul>		
(Anticorruption in Government, Firms, and Society) In Progress	(Anticorruption in Government, Firms, and Society)	In Progress