



**Maria Vitória Rosa da Silva**  
**Sworn Public Translator and Commercial Interpreter**  
**Portuguese-English**  
Registry at Junta Comercial do Estado do Rio de Janeiro Nº 208  
Av. Almirante Barroso, 63/1117 – Centro – RJ – CEP: 20031-110  
Phone: (55 21) 3553-0883- litero@litero.com.br



**Translation No. 11-63860-E**

I, the undersigned, Sworn Translator and Commercial Interpreter in and for this City and State of Rio de Janeiro, Federative Republic of Brazil, duly appointed and commissioned by the Board of Trade of the State of Rio de Janeiro and registered therewith under No.208, DO HEREBY CERTIFY AND ATTEST that a document written in the Portuguese language was submitted to me for translation into English: -----

*[On the letterhead of UFRN - Universidade Federal do Rio Grande do Norte - SIGAA - Integrated System of Academic Activities Management - PROGRAD - Vice-President's Office for Undergraduate Studies - DACA - Dean's Office for Academic Administration and Control] -----*

**Academic Transcript - Issued on: 6/2/2018 3:48 PM -**

**Personal Information -----**

Name: **JAIME CRISTALINO JALES DANTAS -----**

Enrollment: **2016008362 -----**

Date of birth: **8/21/1992 -----**

Place of birth: **BREJO DOS SANTOS/PB -----**

Father's name: **ARMANDO JALES -----**

Mother's name: **JÚLIA DANTAS JALES -----**

Address: **RUA MEN DE SÁ, 515 -----**

District: **PASSAGEM DE AREIA -----**

City: **PARNAMIRIM -----**

State: **RN -----**

**Student Bond Information -----**



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Translation No. 11-63860-E

Course: **COMPUTER ENGINEERING/CT - NATAL -**  
**BACHELOR'S DEGREE - ON-SITE - MORNING AND AFTERNOON**  
**CLASSES -----**

Academic Rates -----

Completion Average: **9.043** Standard Completion

Average: **686.9521** -----

Status: **COMPLETE** -----

Curriculum: **01 - 2012.1** -----

Course accreditation: **Ordinance no. 317/2016 - MEC,**

**7/15/2016 - Official Gazette: 7/18/2016** -----

Entry academic year/term: **2016.1** -----

Initial profile: **6** -----

Admission form: **RE-ENTRY - SECOND CYCLE** -----

Current academic term: **8** -----

Deadline for completion (standard/maximum): **2017.2**

**/ 2018.2** -----

Completion year/term: **2017.1** -----

Exit academic year/term: **2017.1** -----

Type of exit: **COMPLETE** -----

Date of exit: **3/9/2017** -----

Date of graduation: **3/9/2017** -----

Final Paper: **Sistema Microcontrolado de**  
**Monitoramento e Controle de Ambiente para Data**





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**Centers (Embedded Real-Time Environment Control  
 System for Data Centers) -----**

**Curricular components attended/to be attended -----**

Academic Year/Term		Curricular Component	Class Hours	Class Load	Class	Attendance %	Minimum Grade	Average	Status
--		DCA0100 DISCRETE MATHEMATICS	72	60	--	--	--	--	CUMP
--		DCA0103 SIGNALS AND SYSTEMS ANALYSIS	108	90	--	--	--	--	CUMP
--		DCA0104 COMPUTER ARCHITECTURE	72	60	--	--	--	--	CUMP
--		DCA0105 CIRCUIT THEORY	72	60	--	--	--	--	CUMP
--		DCA0107 DATA TRANSMISSION SYSTEMS	72	60	--	--	--	--	CUMP
--		DCA0120 SOFTWARE DESIGN AND DEVELOPMENT	72	60	--	--	--	--	CUMP
--		DCA0122 INSTRUMENTATION	72	60	--	--	--	--	CUMP
--		DCA0201 PROGRAMMING PARADIGMS	108	90	--	--	--	--	CUMP
--		DCA0202 DIGITAL CIRCUITS	108	90	--	--	--	--	CUMP
--		DCA0203 ELECTRONICS	108	90	--	--	--	--	CUMP
--		DCA0204 DATA STRUCTURES	108	90	--	--	--	--	CUMP
--		ECT1101 FUNDAMENTALS OF MATHEMATICS	108	90	--	--	--	--	CUMP
--		ECT1102 CALCULUS I	108	90	--	--	--	--	CUMP
--	[nihil]	ECT1103 ELEMENTARY INFORMATION TECHNOLOGY	108	90	--	--	--	--	CUMP
--		ECT1104 TECHNOLOGICAL CHEMISTRY	108	90	--	--	--	--	CUMP
--		ECT1105 READING AND WRITING PRACTICE	36	30	--	--	--	--	CUMP
--		ECT1106 SCIENCE, TECHNOLOGY AND THE SOCIETY I	36	30	--	--	--	--	CUMP
--		ECT1201 LINEAR ALGEBRA	72	60	--	--	--	--	CUMP
--		ECT1202 CALCULUS II	108	90	--	--	--	--	CUMP
--		ECT1203 PROGRAMMING LANGUAGE	108	90	--	--	--	--	CUMP
--		ECT1204 MECHANICS PRINCIPLES AND PHENOMENA	108	90	--	--	--	--	CUMP
--		ECT1205 READING AND WRITING PRACTICE II	36	30	--	--	--	--	CUMP
--		ECT1206 SCIENCE, TECHNOLOGY AND THE SOCIETY II	72	60	--	--	--	--	CUMP
--		ECT1301 PROBABILITY AND STATISTICS	72	60	--	--	--	--	CUMP
--		ECT1303 NUMERICAL COMPUTING	108	90	--	--	--	--	CUMP
--		ECT1306 SCIENCE, TECHNOLOGY AND THE SOCIETY III	36	30	--	--	--	--	CUMP
--		ECT1307 ENGLISH READING AND WRITING PRACTICES	36	30	--	--	--	--	CUMP
--	e	ECT1312 CALCULUS III	96	80	--	--	--	--	CUMP
--	e	ECT1314 THERMAL AND WAVE PRINCIPLES AND PHENOMENA	96	80	--	--	--	--	CUMP
--	e	ECT1315 ELECTROMAGNETIC PRINCIPLES AND PHENOMENA	96	80	--	--	--	--	CUMP
--		ECT1401 MATERIALS SCIENCE AND TECHNOLOGY	72	60	--	--	--	--	CUMP
--		ECT1402 SOLID MECHANICS	108	90	--	--	--	--	CUMP
--		ECT1403 FLUID MECHANICS	72	60	--	--	--	--	CUMP
--	[nihil]	ECT1404 APPLIED ELECTRICITY	108	90	--	--	--	--	CUMP
--		ECT1405 INTEGRATED MODELING	72	60	--	--	--	--	CUMP
--		ECT1406 GRAPHIC EXPRESSION	36	30	--	--	--	--	CUMP
2015.2	*	DCA0426 SPECIAL TOPICS IN AUTOMATION	72	60	--	--	--	--	INCORP
2015.2	#	DCA0443 PROGRAMMABLE LOGIC CONTROLLER	72	60	--	--	--	--	INCORP



**Maria Vitória Rosa da Silva**  
**Sworn Public Translator and Commercial Interpreter**  
**Portuguese-English**

Registry at Junta Comercial do Estado do Rio de Janeiro, Nov. 2008  
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2015.2	*	DCA0446	SPECIAL TOPICS IN INFORMATION PROCESSING	72	60	--	--	--	--	INCORP
2015.2	*	DCA0447	NETWORKS FOR INDUSTRIAL AUTOMATION	72	60	--	--	--	--	INCORP
2015.2	*	DCA0455	SPECIAL TOPICS IN COMPUTER ENGINEERING AND AUTOMATION I	36	30	--	--	--	--	INCORP
2016.1		ENADE (Students' Performance National Exam)	Exempted due to triennial calendar (Ordinance 40-2007/MEC, article 33-G, paragraph 2). EXAM DATE: 11/20/2016	--	0	--	--	--	--	--
2016.1	[Inhi]	DCA0108	OPERATING SYSTEMS	72	60	01	100.0	8.5	9.2	APR
2016.1		DCA0110	MODELING AND ANALYSIS OF DYNAMIC SYSTEMS	72	60	01	97.1	8.0	8.3	APR
2016.1		DCA0113	COMPUTER NETWORKS	108	90	01	100.0	8.6	9.5	APR
2016.1		DCA0119	DIGITAL SYSTEMS	72	60	01	100.0	7.8	8.7	APR
2016.1		DCA0121	APPLIED ARTIFICIAL INTELLIGENCE	72	60	01	100.0	9.5	9.8	APR
2016.1	*	DCA0408	DRIVES FOR CONTROL AND AUTOMATION	72	60	02	100.0	8.0	8.9	APR
2016.1	[Inhi]	DIM0439	COMPUTING THEORY	72	60	01	76.5	3.0	7.0	APR
2016.1	@	ECP0160	SUPERVISED INTERNSHIP - COMPUTER ENGINEERING	0	160	--	--	--	--	APR
2016.2		DCA0118	DIGITAL SIGNAL PROCESSING	72	60	01	100.0	6.0	7.8	APR
2016.2		DCA0123	CONCURRENT AND DISTRIBUTED PROGRAMMING	72	60	02	100.0	7.1	7.7	APR
2016.2		DCA0124	INDUSTRIAL AUTOMATION	72	60	03	100.0	7.5	8.2	APR
2016.2		DCA0125	REAL-TIME SYSTEMS	72	60	01	100.0	10.0	10.0	APR
2016.2		DCA0206	CONTROL SYSTEMS	108	90	01C	98.1	9.5	9.6	APR
2016.2	*	DCA0402	COMPUTER NETWORK SECURITY	72	60	01	94.4	9.4	9.8	APR
2016.2	@	ECP0090	COMPLEMENTARY ACTIVITIES - COMPUTER ENGINEERING	108	90	--	100.0	--	--	APR
2016.1		ENADE (Students' Performance National Exam)	Exempted due to triennial calendar (Ordinance 40-2007/MEC, article 33-G, paragraph 2). EXAM DATE: 11/20/2016	--	0	--	--	--	--	--
2017.1	@	ECP0001	FINAL PAPER - COMPUTER ENGINEERING	192	160	--	100.0	--	10.0	APR

**Legend -----**

**\* Optional Component -----**

**e Component Equivalent to Mandatory -----**

**# Elective Component -----**

**@ Mandatory Component -----**

ACRONYM	MEANING	STATUS
APR	Average pass	Student passed with average higher or equal than/to 7.0.
APRN	Minimum passing grade	Student with average between 5.0 and 7.0 and pass grade higher than 3.0 after substitution.





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INCORP	Included	Took the component during student mobility.
CUMP	Fulfilled	Took the component at UFRN in another course and transferred the credits.

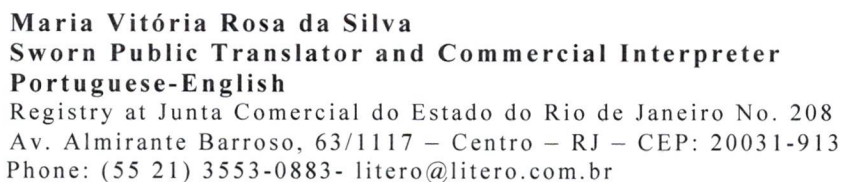
**Class load fulfilled/pending -----**

[nihil]	Mandatory	Optional	Total
Required	3590 h	300 h	3890 h
Fulfilled	3590 h	390 h	3980 h

Attention, now the transcript has an automatic verification of authenticity and accuracy, therefore the signature of the course or DACA coordination is exempted. For instructions see footnote. -----

In order to verify the authenticity of this document go to <http://www.sigaa.ufrn.br/documentos/> and inform the enrollment, issuance date and verification code: 0a4eb19fa8 -----

[Translator's note: Only the information deemed relevant to the document has been translated. Blank spaces have been disregarded.] -----



Given under my hand on June 08, 2018, in Rio de Janeiro. -----



Harisitoris Rose & Siken



RECONHECIDO POR SEMELHANÇA 24c EF. DE NOTAS - JOSE MARIO DOS SANTOS  
A(S) FIRMA(S) DE Av. Alim. Barros, 139 C. A. Alves  
MARIA VITORIA ROGA DA SILVA

SERVIÇO NOTARIAL  
Thiago dos Santos Alves  
Escritório Autenticado  
Av. Barros, 139 - Sobrado

Valor total: 7,61  
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