UNIVERSIDAD POLITÉCNICA DE MADRID
PERSONAL ACADEMIC CERTIFICATE

STUDENT PARTICULARS:

Name and Surname: VINURI GAYANTHIKA BANDARA
Identification: Passport: N9019046

ACCESS

Access to the University: FIVE-YEAR DEGREE HOLDER (ARCHITECT, ENGINEER, LICENTIATE OR SIMILAR)-GRADUADO
Made in: 2021-22-J
ACADEMIC RECORD GRADE POINTS: 9.61

DEGREE PROGRAMME PARTICULARS:

School: School of Computer Engineering
Degree Programme: Master (ECTS)
Curriculum: MASTER OF SCIENCE IN SOFTWARE AND SYSTEMS
Code: (10AK)
Date of publication: August 04, 2011
Field: ENGINEERING AND ARCHITECTURE
Record: 512

I, M. Teresa González Aguado, General Secretary, hereby certify that the aforesaid student has achieved the following grades:

	SUBJECTS IN LATEST STATUS									
Code	Subject	Cred	Sem	Typ	Year	F.e.	Sess	Grade		To
ACADEMIC YEAR 1										
103000379	EXPERIMENTATION IN SOFTWARE ENGINEERING	4	2S	O	22-23	1	J	VERY GOOD	7.00	1867
103000385	SOFTWARE VERIFICATION AND VALIDATION	4	1S	O	22-23	1	FEB	VERY GOOD	8.60	1868
103000387	CLOUD COMPUTING AND BIG DATA ECOSYSTEMS DESIGN	4	1S	O	22-23	1	FEB	VERY GOOD	7.20	1872
103000389	DATA MINING	4	2S	O	22-23	1	J	EXCELLENT	9.00	1873
103000390	IMAGE PROCESSING AND ANALYSIS	4	2S	O	22-23	1	J	EXCELLENT	9.70	1873
103000391	KNOWLEDGE DISCOVERY IN DATA BASES	4	1S	O	22-23	1	FEB	EXCELLENT	9.00	1873
103000392	INTELLIGENT VIRTUAL ENVIRONMENTS: TECHNOLOGIES, ARCHITECTURES AND APPLICATIONS	4	1S	O	22-23	1	FEB	WITH HONOURS	10.00	1874
103000394	SCIENTIFIC METHOD	2	1S	B	22-23	1	FEB	EXCELLENT	10.00	1875
103000395	SEMINAR 1 (MANDATORY)	1	A	B	22-23	1	J	EXCELLENT	9.50	1891
103000396	MASTER FINAL PROJECT	15	I	P	22-23	1	JUL	WITH HONOURS	10.00	1876
103000558	SEMINAR 2 (MANDATORY)	1	A	B	22-23	1	J	EXCELLENT	10.00	1891
103000559	SEMINAR 3 (MANDATORY)	1	A	B	22-23	1	J	VERY GOOD	8.60	1891
103000560	SEMINAR 4 (MANDATORY)	1	A	B	22-23	1	J	EXCELLENT	10.00	1891
103000561	SEMINAR 5 (MANDATORY)	1	A	B	22-23	1	J	EXCELLENT	10.00	1891
103000562	SEMINAR 6 (MANDATORY)	1	A	B	22-23	1	J	EXCELLENT	10.00	1891
103000563	SEMINAR 7 (MANDATORY)	1	A	B	22-23	1	J	EXCELLENT	10.00	1891
103000590	COMPUTER SECURITY	4	1S	O	22-23	1	FEB	EXCELLENT	10.00	1873
103000816	CRITICAL SOFTWARE	4	1S	O	22-23	1	FEB	VERY GOOD	8.70	1867

BACHELOR'S FINAL-YEAR/MASTER'S PROJECT PARTICULARS

Degree:In-depth analysis of the Android supply chain:Vendor customizations on critical networking components
Date:13-JUL-23
Supervisor:MATIC SRDJAN
Co-supervisor:NARSEO VALLINA-RODRÍGUEZ

COMPLETED MODULES AND UNITS		
Code Description	Cred	Year Sess.

UNIVERSIDAD POLITÉCNICA DE MADRID
PERSONAL ACADEMIC CERTIFICATE

STUDENT PARTICULARS:

Name and Surname: VINURI GAYANTHIKA BANDARA
Identification: Passport: N9019046

	Code	Description	Cred	Year	Sess.	
COMPLETED MODULES AND UNITS						
Module:	989	SOFTWARE MODULE	12	8.1	22-23	J
Unit:	1867	SOFTWARE ENGINEERING	8	7.8	22-23	J
Unit:	1868	ANALYSIS AND VERIFICATION	4	8.6	22-23	FEB
Module:	990	SYSTEMS MODULE	16	9.0	22-23	J
Unit:	1872	NETWORK SERVICES AND DISTRIBUTED SYSTEMS	4	7.2	22-23	FEB
Unit:	1873	DATA AND INFORMATION ANALYSIS AND PROCESSING	8	9.4	22-23	J
Unit:	1874	VIRTUAL ENVIRONMENTS AND INTERACTION	4	10.0	22-23	FEB
Module:	991	ADVANCED SCIENTIFIC RESEARCH AND TOPICS MODULE	2	10.0	22-23	FEB
Unit:	1875	SCIENTIFIC RESEARCH AND ADVANCED TOPICS	2	10.0	22-23	FEB
Module:	992	MASTER'S THESIS	15	10.0	22-23	JUL
Unit:	1876	MASTER'S THESIS	15	10.0	22-23	JUL
Unit:	1891	COMPULSORY SEMINARS	7	9.7	22-23	J
Unit:	1892	OPTIONAL SEMINARS	0		22-23	CC2

STUDENT OUTCOMES

Session	Student Outcomes.
J /2022-23	
JUL/2022-23	

CREDIT OVERVIEW

Type Subject		Required Credits	Gained Credits	Remaining Credits	Registered Credits
COMPULSORY	(B)	9.00	9.00	0.00	0.00
CORE	(T)	0.00	0.00	0.00	0.00
END OF DEGREE PROJECT	(P)	15.00	15.00	0.00	0.00
OPTIONAL	(O)	36.00	36.00	0.00	0.00

UNIVERSIDAD POLITÉCNICA DE MADRID
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STUDENT PARTICULARS:

Name and Surname: VINURI GAYANTHIKA BANDARA
Identification: Passport: N9019046

In witness whereof, I have, at the behest of the interested party, issued this certificate approved by the General Secretary on 21 de agosto de 2023.

General Secretary
M. Teresa González Aguado

KEY
The listed subject units (ut) are detailed below:
    1867 - SOFTWARE ENGINEERING
    1868 - ANALYSIS AND VERIFICATION
    1872 - NETWORK SERVICES AND DISTRIBUTED SYSTEMS
    1873 - DATA AND INFORMATION ANALYSIS AND PROCESSING
    1874 - VIRTUAL ENVIRONMENTS AND INTERACTION
    1875 - SCIENTIFIC RESEARCH AND ADVANCED TOPICS
    1876 - MASTER'S THESIS
    1891 - COMPULSORY SEMINARS

The listed universities (univ.) indicate that the subject was taken at the specified university:

Cred-Credits Dur-Duration (A-Annual, 1S-First semester, 2S-Second semester, I-Unspecified within academic year), Tip-Subject type (T-Core, B-Compulsory, O-Optional, C-Bridge Course, E-External Placements, P-End Of Degree Project). C.ag-No. of times examination sat, Conv-Examination sitting, excluding examinations not taken. The AC grade means that the student has been awarded a conceded pass. The WITH HONOURS grade means EXCELLENT WITH HONOURS.
Level B2 English language proficiency is a prerequisite for the compulsory subject Professional and Academic English.
M: Subject studied by learning agreement, Erasmus+ programme (Mobility)

UNIVERSIDAD POLITECNICA DE MADRID
CERTIFICADO ACADÉMICO DE
ASIGNATURAS SUPERADAS

DATOS DEL/DE LA ALUMNO/A:

Nombre y Apellidos: VINURI GAYANTHIKA BANDARA
Documento: Pasaporte: N9019046

DATOS DE ACCESO

Acceso a la Universidad: TITULADO(ARQUITECTO, INGENIERO, LICENCIADO O ASIMILADO)-GRADUADO
Realizada en: 2021-22-J
CALIFICACIÓN NUMÉRICA DEL EXPEDIENTE: 9,61

DATOS DE LA TITULACIÓN:

Centro: ESCUELA TECNICA SUPERIOR DE INGENIEROS INFORMATICOS
Enseñanza: Máster Universitario Oficial
Plan de estudios: (10AK) - MASTER UNIVERSITARIO EN SOFTWARE Y SISTEMAS
Fecha de publicación: 04 de Agosto de 2011
Rama: INGENIERÍA Y ARQUITECTURA
Expediente: 512

Dña.M. Teresa González Aguado, Secretaria General, certifica que el alumno, con datos reseñados arriba, ha obtenido las siguientes calificaciones:

ASIGNATURAS CON CALIFICACIÓN DEFINITIVA SUPERADAS

Código	Asignatura	Cred	Dur	Tip	Año	C.ag	Conv	Calificación		Mt
CURSO 1										
103000379	EXPERIMENTACION EN INGENIERIA DEL SOFTWARE	4	2S	O	22-23	1	J	NOTABLE	7,00	1867
103000385	VERIFICACION Y VALIDACION DE SOFTWARE	4	1S	O	22-23	1	FEB	NOTABLE	8,60	1868
103000387	COMPUTACIÓN EN LA NUBE Y DISEÑO DE SISTEMAS CON BIG DATA	4	1S	O	22-23	1	FEB	NOTABLE	7,20	1872
103000389	MINERÍA DE DATOS	4	2S	O	22-23	1	J	SOBRESALIENTE	9,00	1873
103000390	PROCESAMIENTO Y ANALISIS DE IMAGENES	4	2S	O	22-23	1	J	SOBRESALIENTE	9,70	1873
103000391	DESCUBRIMIENTO DE CONOCIMIENTO EN BASES DE DATOS	4	1S	O	22-23	1	FEB	SOBRESALIENTE	9,00	1873
103000392	ENTORNOS VIRTUALES INTELIGENTES: TECNOLOGIAS, ARQUITECTURAS Y APLICACIONES	4	1S	O	22-23	1	FEB	MAT.HONOR	10,00	1874
103000394	METODO CIENTIFICO	2	1S	B	22-23	1	FEB	SOBRESALIENTE	10,00	1875
103000395	SEMINARIO 1 (OBLIGATORIO)	1	A	B	22-23	1	J	SOBRESALIENTE	9,50	1891
103000396	TRABAJO DE FIN DE MASTER	15	I	P	22-23	1	JUL	SOBRESALIENTE	10,00	1876
103000558	SEMINARIO 2 (OBLIGATORIO)	1	A	B	22-23	1	J	SOBRESALIENTE	10,00	1891
103000559	SEMINARIO 3 (OBLIGATORIO)	1	A	B	22-23	1	J	NOTABLE	8,60	1891
103000560	SEMINARIO 4 (OBLIGATORIO)	1	A	B	22-23	1	J	SOBRESALIENTE	10,00	1891
103000561	SEMINARIO 5 (OBLIGATORIO)	1	A	B	22-23	1	J	SOBRESALIENTE	10,00	1891
103000562	SEMINARIO 6 (OBLIGATORIO)	1	A	B	22-23	1	J	SOBRESALIENTE	10,00	1891
103000563	SEMINARIO 7 (OBLIGATORIO)	1	A	B	22-23	1	J	SOBRESALIENTE	10,00	1891
103000590	SEGURIDAD INFORMATICA	4	1S	O	22-23	1	FEB	SOBRESALIENTE	10,00	1873
103000816	SOFTWARE CRITICO	4	1S	O	22-23	1	FEB	NOTABLE	8,70	1867

DATOS DEL TRABAJO FIN DE GRADO / MASTER

Título:In-depth analysis of the Android supply chain:Vendor customizations on critical networking components
Fecha de Lectura:13/07/23
Director: MATIC SRDJAN
Codirector: NARSEO VALLINA-RODRÍGUEZ

MÓDULOS Y MATERIAS CONSEGUIDOS

	Código	Descripción	Cred	Año	Conv.	.
Módulo:	989	MODULO SOFTWARE	12	8,1	22-23	J

UNIVERSIDAD POLITECNICA DE MADRID
CERTIFICADO ACADÉMICO DE
ASIGNATURAS SUPERADAS

DATOS DEL/DE LA ALUMNO/A:

Nombre y Apellidos: VINURI GAYANTHIKA BANDARA
Documento: Pasaporte: N9019046

	Código	Descripción	Cred	Año	Conv.	.
		MÓDULOS Y MATERIAS CONSEGUIDOS				
Materia:	1867	INGENIERIA DEL SOFTWARE	8	7,8	22-23	J
Materia:	1868	ANALISIS Y VERIFICACION	4	8,6	22-23	FEB
Módulo:	990	MODULO SISTEMAS	16	9,0	22-23	J
Materia:	1872	SERVICIOS EN REDES Y SISTEMAS DISTRIBUIDOS	4	7,2	22-23	FEB
Materia:	1873	ANALISIS Y PROCESADO DE DATOS E INFORMACION	8	9,4	22-23	J
Materia:	1874	ENTORNOS VIRTUALES E INTERACCION	4	10,0	22-23	FEB
Módulo:	991	MODULO INVESTIGACION CIENTIFICA Y TEMAS AVANZADOS	2	10,0	22-23	FEB
Materia:	1875	INVESTIGACION CIENTIFICA Y TEMAS AVANZADOS	2	10,0	22-23	FEB
Módulo:	992	MODULO TRABAJO FIN MASTER	15	10,0	22-23	JUL
Materia:	1876	TRABAJO FIN DE MASTER	15	10,0	22-23	JUL
Materia:	1891	SEMINARIOS OBLIGATORIOS	7	9,7	22-23	J

LOGROS DEL ESTUDIANTE

LOGROS DEL ALUMNO/A
  Convocatoria Logro Académico obtenido por el/la Alumno/a.

J /2022-23
JUL/2022-23 MASTER UNIVERSITARIO EN SOFTWARE Y SISTEMAS

 Nota media según Real Decreto 1125/2003:   9,25

RESUMEN DE CREDITOS

Tipo de asignatura		Cred. Requeridos	Cred. Conseguidos	Cred. pendientes	Cred. matriculados
BÁSICA	(T)	0,00	0,00	0,00	0,00
OBLIGATORIA	(B)	9,00	9,00	0,00	0,00
OPTATIVA	(O)	36,00	36,00	0,00	0,00
PROYECTO FIN DE MASTE	(P)	15,00	15,00	0,00	0,00

DATOS DEL TÍTULO

Título:
Fecha de finalización de estudios: JULIO 2022-23
Fecha de abono de los derechos del título: 31/08/2023

UNIVERSIDAD POLITECNICA DE MADRID
CERTIFICADO ACADÉMICO DE
ASIGNATURAS SUPERADAS

DATOS DEL/DE LA ALUMNO/A:

Nombre y Apellidos: VINURI GAYANTHIKA BANDARA
Documento: Pasaporte: N9019046

Y para que así conste, a petición del/de la interesado/a, se expide esta certificación, a 13 de diciembre de 2023 .

La Secretaria General
M. Teresa González Aguado

LEYENDA
Las Materias (Mt) mostradas asociadas a las asignaturas se detallan a continuación:
    1867 - INGENIERIA DEL SOFTWARE
    1868 - ANALISIS Y VERIFICACION
    1872 - SERVICIOS EN REDES Y SISTEMAS DISTRIBUIDOS
    1873 - ANALISIS Y PROCESADO DE DATOS E INFORMACION
    1874 - ENTORNOS VIRTUALES E INTERACCION
    1875 - INVESTIGACION CIENTIFICA Y TEMAS AVANZADOS
    1876 - TRABAJO FIN DE MASTER
    1891 - SEMINARIOS OBLIGATORIOS

Las Universidades (Univ.) mostradas indican que la asignatura se ha cursado en la universidad que se detalla:

Cred-Créditos, Dur-Duración (A-Anual, 1S-Primer Semestre, 2S-Segundo Semestre, I-Indefinida dentro del curso académico),
Tip-Tipología de asignatura (T-Básica, B-Obligatoria, O-Optativa, C-Complementos Formativos, E-Prácticas Externas, P-Proyecto
Fin De Master). C.ag-Convocatorias agotadas, Conv-Convocatoria. La calificación de No Presentado no agota convocatoria. La
calificación APROBADO CURR significa que el estudiante ha obtenido un Aprobado Curricular. La calificación MAT.HONOR
significa MATRICULA DE HONOR.
La nivelación B2 en lengua inglesa es un requisito previo para cursar la asignatura obligatoria de Inglés Profesional y Académico.
M: Asignatura cursada por learning agreement, programa Erasmus+ (Movilidad).

UCSC UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

35, Reid Avenue, Colombo 00700
Sri Lanka.

ACADEMIC TRANSCRIPT

DATE ISSUED : 17/12/2021

NAME : RATHNAYAKE MUDIYANSELAGE VINURI GAYANTHIKA BANDARA

INDEX NUMBER :16020091

REGISTRATION NUMBER :2016/IS/009

Course Code	COURSE TITLE	CREDITS	GRADE	YEAR**
*EN1001	Communication & Life Skills	0	CM	2017
*EN1002	Selected Topics in Humanities	0	CM	2017
IS1001	Programming and Problem Solving	3	A	2017
IS1002	Computer Systems	3	A	2017
IS1003	Information Systems Concepts	2	A+	2017
IS1004	Application Laboratory	2	A+	2017
IS1005	Introduction to Management	2	A	2017
IS1006	Discrete Mathematics I	1	A+	2017
IS1007	Fundamentals of Economics	2	A	2017
IS1008	Financial Accounting	3	A-	2017
IS1009	Business Communication	2	A	2017
IS1010	Database Management	3	A	2017
IS1011	Systems Analysis and Design	3	A-	2017
IS1012	Discrete Mathematics II	1	A+	2017
IS1013	Organizational Behaviour	2	B+	2017
IS1014	Computing and Society	1	A+	2017
*EN3001	Industrial Placement/Industrial Project	8	CM	2019
IS3001	Enterprise Resource Planning Systems	2	B	2019
IS3002	Human Computer Interaction	3	A	2019
IS3003	Software Quality Assurance	2	A	2019
IS3005	Professional Practice	2	A	2019
IS3007	Contingency Planning and Risk Management	2	B+	2019
IS3009	Systems & Network Administration	3	A	2019
IS3010	Research Methods	2	A	2019
IS3011	Operations Research	2	A+	2019
IS3014	Enterprise Architecture	2	A-	2019
IS3017	Machine Learning and Neural Computing	2	B+	2019

Course Code	COURSE TITLE	CREDITS	GRADE	YEAR**
*EN2001	Industrial Practices*	0	CM	2018
*EN2002	Enhancement III	0	CM	2018
IS2001	Software Engineering	2	A+	2018
IS2002	Group Project	4	A	2018
IS2003	Marketing	2	A	2018
IS2004	Web Application Development	3	A	2018
IS2005	Business Statistics	3	A+	2018
IS2006	Business Process Management	2	A-	2018
IS2007	IT Project Management	2	A	2018
IS2008	Information Systems Management	2	A+	2018
IS2009	Information Systems Security	3	A	2018
IS2010	IT Procurement Management	2	A	2018
IS2011	Computer Networks	3	A	2018
IS2012	eBusiness Strategy	2	A-	2018
*EN4001	Enhancement IV	1	CM	2020
IS4001	Final Year Project in Information Systems	8	A-	2020
IS4002	Community Informatics	2	A	2020
IS4003	Data Analytics	3	B+	2020
IS4004	Research Seminar	2	A+	2020
IS4005	Advanced Concepts in Software Design and Development	3	A	2020
IS4006	Advanced Database Management	3	A	2020
IS4010	Business Intelligent Systems	2	A	2020
IS4011	Computational Biology	3	A+	2020
IS4012	Geographical Information Systems	2	A+	2020
IS4014	IS Innovation and New Technologies	2	A	2020

DEGREE :Bachelor of Science Honours in Information Systems

YEAR OF ADMISSION :2017

DATE OF AWARD :2021-05-01

GRADE POINT AVERAGE :3.93

CLASS OBTAINED :First Class

MEDIUM OF INSTRUCTIONS & EVALUATIONS: ENGLISH

Deputy Registrar
Examinations & Registration
University of Colombo
School of Computing
Colombo-07

Deputy Registrar/Examinations

KEY TO GRADES

The following are levels of attainment and Grade Point Values associated with each grade.

A+	4.25
A	4.00
A-	3.75
B+	3.25
B	3.00
B-	2.75
C+	2.25
C	2.00
C-	1.75
D+	1.25
D	1.00
D-	0.75
E	0.00
F	0.00

Any Grade Point Average (GPA) above 4.0 is indicated as 4.0.

The following codes may also be used.

MC	Medical
CM	Completed
CN	Cancelled
NC	Not Completed
EO	Examination Offence
EC	Exceptional Circumstances
F	Absent without approval

AWARD OF HONOURS

1st Class	GPA ≥ 3.50
2nd Class (Upper Division)	GPA ≥ 3.25
2nd Class (Lower Division)	GPA ≥ 3.00

COURSE CODES

The following letter codes/symbols may be used to identify the type of course.

ENH - Enhancement Courses
* - Non GPA contributing Courses
SCS - Computer Science
IS - Information Systems

COURSE NUMBERING SYSTEM

1001-1999	Year 1 courses
2001-2999	Year 2 courses
3000-3999	Year 3 courses
4000-4999	Year 4 courses

GPA POLICY

When calculating the Grade Point Average (GPA), all course units contributing to GPA are weighted according to their corresponding credit values. Grades of all registered course units in a study program are taken into account when calculating the GPA.

DEGREE PROGRAM

The University of Colombo School of Computing offers a 3 year Bachelor of Science in Computer Science Degree, or a 3 year Bachelor of Science in Information Systems Degree, a 4 year Bachelor of Science Honours in Computer Science Degree and a 4 year Bachelor of Science Honours in Information Systems Degree. The minimum number of credits for a 3 year degree program is 90 and that for a 4 year program is 120.

ACADEMIC CALENDAR

Semester 1
First half - 10 weeks
Semester break - 1 week
Second half - 5 weeks
Study leave - 1 week
Examination - 5 weeks
Vacation - 2 weeks

Semester 2
First half - 5 weeks
Semester break - 1 week
Second half - 10 weeks
Study leave - 1 week
Examination - 5 weeks
Vacation - 4 weeks

MEDIUM OF INSTRUCTION

All lectures and examinations of the course units are conducted in the English language.

AUTHENTICITY

Authenticity of certificates can be verified by contacting the following officials.

Contact information:
Senior Assistant Registrar
Examinations & Registration
UCSC
35, Reid Avenue
Colombo 07, Sri Lanka

Fax : 0112 - 587239
Phone : 0112 - 158996