

# WAYAMBA UNIVERSITY OF SRI LANKA



*Having successfully completed the  
prescribed courses of study*

*and*

*the examinations of this University*

*Weligodage Saneth Sanka Abeywickrama*

*was admitted to the degree of*

**BACHELOR OF SCIENCE**

*on*

*07<sup>th</sup> April 2014*

*and*

*was awarded this certificate at the Convocation*

*held on 30<sup>th</sup> July, 2015*

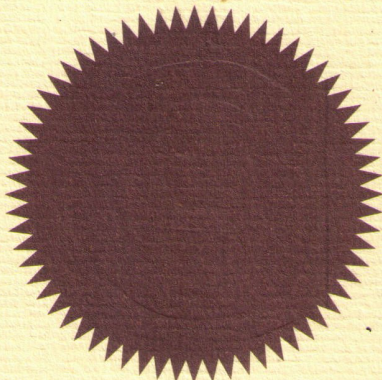
*Witness our hands this Thirtieth Day of July Two Thousand and Fifteen*

A handwritten signature in black ink, appearing to be 'S. Jayarathne', written in a cursive style.

*Vice-Chancellor*

A handwritten signature in black ink, appearing to be 'C. Rajaratne', written in a cursive style.

*Registrar*



# ශ්‍රී ලංකා වයඹ විශ්වවිද්‍යාලය

මෙම විශ්වවිද්‍යාලයේ නියමිත අධ්‍යයන පාඨමාලා  
සහ පරීක්ෂණ සාර්ථක ලෙස නිම කිරීමෙන් පසු  
මෙහි පසු පිටේ නම සඳහන් අය වෙත

2015 ජූලි මස තිස් වැනි දින  
පවත්වන ලද උපාධි ප්‍රදානෝත්සවයේදී

## විද්‍යාවේදී උපාධිය

ප්‍රදානය කරන ලදී.

මෙයට සාක්ෂි වශයෙන් දෙදෙනස් පහළොවක් වූ ජූලි මස තිස් වැනි දින  
පහත අත්සන් කළෙමු.

අත්සන් කළේ: එස්. ජේ. ඩී. ඒ. ජයසේකර  
උපකුලපති

අත්සන් කළේ: ජී. පියරත්න  
ලේඛකාධිකාරී

## இலங்கை வயம்ப பல்கலைக்கழகம்

இப்பல்கலைக்கழகத்தில் குறிப்பிட்ட கல்வி நெறிகளையும்  
பரீட்சைகளையும் வெற்றிகரமாக முடித்துக்கொண்டமையை முன்னிட்டு  
மறுபக்கத்தில் குறிப்பிட்ட பெயரைக்கொண்டவருக்கு

2015 ஆம் ஆண்டு ஜூலை மாதம் முப்பதாம் திகதி  
நடந்த பட்டமளிப்பு விழாவில்

## விஞ்ஞானமாணிப் பட்டம்

வழங்கப்பட்டதென இத்தால் உறுதிப்படுத்துகின்றோம்.  
இதற்குச் சான்றாக இரண்டாயிரத்துப் பதினைந்தாம் ஆண்டு ஜூலை  
மாதம் முப்பதாம் நாள் ஒப்பம் தந்தோம்.

ஒப்பம் - எஸ். ஜே. பி. ஏ. ஜயசேகர  
துணைவேந்தர்

ஒப்பம் - னி பியாக்ஸ்

Our Ref. : 092124  
Your Ref.:



# WAYAMBA UNIVERSITY OF SRI LANKA

## FACULTY OF APPLIED SCIENCES

This is to certify that

Weligodage Saneth Sanka Abeywickrama

has been admitted to the *Degree of Bachelor of Science (Joint Major)*

having satisfied the requirements and reached the standard required for a

Pass

Course Modules:

<u>Course Code</u>	<u>Grade</u>	<u>Course Code</u>	<u>Grade</u>	<u>Course Code</u>	<u>Grade</u>
CMIS 1113	B-	CMIS 2124	C	CMIS 3224	C
ELTN 1113	C+	ELTN 2113	C	CMIS 3234	B-
IMGT 1112	B-	ELTN 2121	B	ELTN 3233	B
MATH 1112	B-	IMGT 2132	C	ELTN 3241	A
STAT 1112	A	MATH 2114	C	ELTN 3253	C+
CMIS 1223	C	CMIS 2234	C+	ELTN 3261	B-
ELTN 1221	B	ELTN 2233	B+	CMIS 4114	B
ELTN 1232	B-	ELTN 2241	A-	CMIS 4144	B
IMGT 1222	C	ELTN 2253	B-	ELTN 4114	B
IMGT 1232	C	ELTN 2261	C	ELTN 4132	A
MATH 1222	B-	CMIS 3114	B+	ELTN 4152	B+
MATH 1232	C	ELTN 3113	C	ELTN 4172	C+
MATH 1242	C	ELTN 3121	C	ELTN 4124	A-
STAT 1222	C	IMGT 3142	B-	INDT 4218	C+
CMIS 2114	C	MMOD 3114	A-		

Final GPA (Grade Point Average): 2.62

Medium of Instruction: English

Major Subjects: *Electronics & Computing and Information Systems*

Effective Date: 07<sup>th</sup> April 2014

Prepared by: M. J. J. J. J.

Checked by: thang

18.02.2015  
Date

[Signature]  
18/02/2015  
Senior Assistant Registrar/ For Registrar  
Examinations  
Wayamba University of Sri Lanka

N.B. : The titles of courses, key to grades, and the GPA for the award of honours & pass are given overleaf.

**P. K. Seneviratne**  
Senior Assistant Registrar Examinations  
Wayamba University of Sri Lanka

## Course Codes and the Titles

### Computing & Information Systems (CMIS)

Code	Title of the Course Unit		
CMIS 1113	Introduction to Computers	IMGT 3134	Design & Development of Computer Based Project
CMIS 1223	Computer Programming	IMGT 3142	Industrial & Consumer Marketing
CMIS 2114	Object-oriented Programming	IMGT 3252	Operations Research II
CMIS 2124	Database Management Systems	IMGT 3262	Business and Industrial Law
CMIS 2234	Data Structures & Analysis of Algorithms	IMGT 3272	International Trade and Export Marketing
CMIS 3114	Data Communication & Computer Networks	IMGT 3282	Business Logistics
CMIS 3224	Software Engineering	IMGT 4112	Organizational Development
CMIS 3234	Web Designing and e-commerce	IMGT 4122	Strategic Management
CMIS 4114	Artificial Intelligence	IMGT 4134	Environmental Management System Based on ISO 14001
CMIS 4124	Project	IMGT 4144	Computer Based Modelling & Simulation
CMIS 4144	Advanced Operating Systems	IMGT 4152	Practical Business Tools

### Electronics (ELTN)

ELTN 1113	Basic Electronics
ELTN 1221	Basic Electronics - Laboratory
ELTN 1232	General Physics
ELTN 2113	Electricity and Magnetism
ELTN 2121	Electricity and Magnetism - Laboratory
ELTN 2233	Semiconductor Devices
ELTN 2241	Semiconductor Devices - Laboratory
ELTN 2253	Analogue Electronics
ELTN 2261	Analogue Electronics - Laboratory
ELTN 3113	Digital Electronics
ELTN 3121	Digital Electronics - Laboratory
ELTN 3233	Signal Processing and Data Acquisition
ELTN 3241	Signal Processing and Data Acquisition - Laboratory
ELTN 3253	Introduction to Microprocessor and Microcomputer Technology
ELTN 3261	Introduction to Microprocessor and Microcomputer Technology - Laboratory
ELTN 4114	Communication Theory
ELTN 4124	Research Project
ELTN 4132	Programmable Logic Devices
ELTN 4142	Fabrication of Semiconductor Materials and Devices
ELTN 4152	Communication Systems
ELTN 4162	Advanced Solid State Devices
ELTN 4172	Optical Communication Devices and Systems

### Industrial Management (IMGT)

IMGT 1112	Principles of Management
IMGT 1222	Industrial Technology
IMGT 1232	Principles of Accounting
IMGT 2112	Production and Operations Management I
IMGT 2122	Accountancy and Financial Decisions
IMGT 2132	Economics for Managers
IMGT 2142	Structured System Analysis & Design Methodology & Management Information Systems
IMGT 2152	Database Management Systems
IMGT 2262	Human Resource Management
IMGT 2272	Operations Research I
IMGT 2282	Management of Technology
IMGT 2292	Visual Programming
IMGT 3112	Production and Operations Management II
IMGT 3122	Entrepreneurial Dynamics

IMGT 4162	Cost and Management Accountancy
IMGT 4172	Productivity Techniques
IMGT 4182	Development of Business Project and Business Research

### Mathematics (MATH)

MATH 1112	Introduction to Mathematics I
MATH 1222	Introduction to Mathematics II
MATH 1232	Analytical Geometry
MATH 1242	Differential Equations
MATH 2114	Matrices
MATH 2224	Real Analysis
MATH 3114	Complex Variables
MATH 3224	Applied Number Theory
MATH 4114	Project
MATH 4124	Applied Linear Algebra
MATH 4134	Graphs, Paths and Trees

### Mathematical Modelling (MMOD)

MMOD 2114	Mathematical Methods
MMOD 3114	Mathematical Models
MMOD 3224	Numerical Methods
MMOD 3234	Newtonian Mechanics
MMOD 4114	Hydrodynamics & Thermodynamics
MMOD 4124	Computational Mathematics

### Statistics (STAT)

STAT 1112	Introduction to Probability and Statistics I
STAT 1222	Introduction to Probability and Statistics II
STAT 2114	Statistical Inference
STAT 2224	Theory of Interest
STAT 2234	Applied Statistics & Data Analysis
STAT 3114	Time Series Analysis
STAT 3124	Credibility Theory and Loss Distribution
STAT 3234	Introduction to Stochastic Processes and Simulation
STAT 4114	Actuarial Mathematics
STAT 4124	Project
STAT 4132	Risk Analysis
STAT 4144	Operations Research
STAT 4154	Statistical Laboratory Work
INDT 4218	Industrial Training

### KEY TO GRADES

Range of Marks	Grade	Grade Point	Range of Marks	Grade	Grade Point
85-100	A+	4.0	50-54	B-	2.7
70-84	A	4.0	45-49	C+	2.3
65-69	A-	3.7	40-44	C	2.0
60-64	B+	3.3	35-39	D+	1.5
55-59	B	3.0	25-34	D	1.0
			00-24	E	0.0
				I	0.0

### AWARD OF HONOURS AND PASS

	GPA
First Class Honours	3.70
Second Class (Upper Division) Honours	3.30
Second Class (Lower Division) Honours	3.00
Pass	2.00