



General Sir John Kotelawala  
Defence University  
Sri Lanka

This is to certify that

*Tharaka Madushanka Basnayaka*

was admitted to the Degree

of

***Bachelor of Science in Engineering***  
***with Second Class Lower Division***

at the

**CONVOCATION**

held in Colombo on the 12<sup>th</sup> day of December, 2017

Witness our hands this twelfth day of December in the year Two Thousand and Seventeen

BMKK Basnayake RWP, RSP, psc  
(DS)Mgt, MDS, BSc(DS)Mech Eng, MIM(SL)  
Captain (G)  
Acting Registrar  
General Sir John Kotelawala  
Defence University - Ratmalana.



*[Signature]*  
Rear Admiral JJ Ranasinghe USP psc MSc(DS)Mgt  
Vice Chancellor

*[Signature]*  
Captain (G) BMKK Basnayake RWP RSP & Bar USP psc  
Registrar



00001904

Certified  
True Copy

*[Signature]*

# General Sir John Kotelawala Defence University

Ratmalana 10390, Sri Lanka

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05<sup>th</sup> April 2019

**TO WHOM IT MAY CONCERN:**

**TM BASNAYAKA (SVC.NO. 4173) DETAILED DEGREE CERTIFICATE**

This is to certify that **TM Basnayaka** successfully completed the **Bachelor of Science in Engineering (Hons) in Electrical & Electronic Engineering Degree** in 2017 in this University (a member of the Association of Commonwealth Universities, United Kingdom and the International Association of Universities).

The medium of instruction of the degree programme is English. The detailed performance of the candidate in the above degree programme is given below.

BSc -SEMESTER 1 - 2013					
Subject	Grade	Subject	Grade	Subject	Grade
Applied Mechanics (Statics)	B-	Engineering Drawing	C	Structural Mechanics I	A
Engineering Mathematics I	C	English : Basic Study Skills	B+	Workshop Technology	C+
Electronic Engineering	B-	Fluid Mechanics I	C	Military Studies	B+
Electrical Engineering	C	Introduction to Information Technology	C		
Engineering Design & Skill Development	B-				
BSc -SEMESTER 2 - 2013					
Subject	Grade	Subject	Grade	Subject	Grade
Theory of Electricity	B+	Electrical Measurements	B-	Electrical Properties of Materials	C
Computer Aided Drafting	B+	Object Oriented Programming	A-	English : Advanced Study Skills	A-
Fundamentals of Thermodynamics II	B-	Introduction to Telecommunication	B	Military Studies	A-
Engineering Mathematics II	B-				
BSc -SEMESTER 3 - 2014					
Subject	Grade	Subject	Grade	Subject	Grade
Electrical Machines & Drives I	C	Signals & Systems I	C+	Energy Studies & Environment	B-
Electronic Systems I	B+	Introduction to Management	C+	English : Writing & Speaking Skills	C+
Control System Engineering	B	Electromagnetic Field Theory	A+	Strategic & Defence Studies	C
Engineering Mathematics III	B	Power Systems I	B-	Military Studies	A-
BSc -SEMESTER 4 - 2014					
Subject	Grade	Subject	Grade	Subject	Grade
Image Processing	B+	Engineering Mathematics IV	C+	Power Systems II	A-
Human Resource Management & Industrial Relations	A-	Electronic Instrumentation	C	Computer Interfacing & Microprocessors	A-
Communication Theory	C-	Electronic Systems II	C+	English : Research Writing Skills	B
Applied Statistics	C+	Digital Systems & Designs	C	Military Studies	A
		Electrical Machines & Drives II	A		
BSc -SEMESTER 5 - 2015					
Subject	Grade	Subject	Grade	Subject	Grade
Power Systems Protection	B+	High Voltage Engineering I	B+	Micro Controllers & Embedded Systems	A
Advanced Control System & Instrumentation	B+	Commercial & Industrial Law	C	Professional Ethics	A-
Nano Electronics	B+	Communication Networks	B+	Antennas & Propagation	A-
		Electrical Installations I	B-	Research Mini Project	A+
BSc -SEMESTER 6 - 2015					
Subject	Grade				
Industrial Training	A				
BSc -SEMESTER 7 - 2016					
Subject	Grade	Subject	Grade	Subject	Grade
Computer & Network Security	A	Photonics & Laser Engineering	B	Tamil : Basics for Beginners	A-
Robotics Technology	A-	Research Methodology & Data Analysis	B+	Industrial Visits & Report Writing	A+
Electrical Installations II	B	Renewable Energy System	B-		
Power Electronics & Application I	A	Business Economics & Financial Accounting	C		
BSc -SEMESTER 8 - 2016					
Subject	Grade	Subject	Grade	Subject	Grade
Channel Coding	A+	Information Security & Cryptography	B	History and Development of Eng.	A
High Voltage Engineering II	A-	Next Generation Cellular Networks	B-	Photography	A-
Nuclear Energy safety & Applications	B	Industrial Automation	B+	Final Year Research Project	A
BSc -SEMESTER 9- 2017					
Subject	Grade				
Advanced Military Training	B+				

Key to Gradings (% Marks range)	GPV
85% - 100% = A+	4.2
75% - 84% = A	4.0
70% - 74% = A-	3.7
65% - 69% = B+	3.3
60% - 64% = B	3.0
55% - 59% = B-	2.7
50% - 54% = C+	2.3
45% - 49% = C	2.0
40% - 44% = C-	1.7
35% - 39% = D+	1.3

Result	Final GPA
1 <sup>st</sup> Class	3.70 - 4.20
2 <sup>nd</sup> Upper	3.30 - 3.69
2 <sup>nd</sup> Lower	3.00 - 3.29
Pass	2.00 - 2.99

Final Grade Point Average : 3.10  
Final Award/Standard Reached : Second Class (Lower Division)  
Effective Date of the Degree : 22<sup>nd</sup> November 2017

Prepared by: *[Signature]*  
Checked by: *[Signature]*

**PLLCP ALWIS**  
DEPUTY REGISTRAR/EXAMINATIONS  
FOR REGISTRAR

**PLLCP Alwis**

Deputy Registrar (Examinations)

General Sir John Kotelawala Defence University  
Ratmalana, Sri Lanka

Serial No : 6466

PIN : 4970473

