



# PROSPECTUS

Faculty of Graduate Studies  
2020 - 2022



RECOGNIZED BY



GENERAL SIR JOHN KOTELAWALA DEFENCE UNIVERSITY  
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## **MESSAGE FROM THE VICE CHANCELLOR**



Nowadays, many bachelor's degree holders and experienced professionals in the private and public sectors in Sri Lanka are seeking for higher study opportunities relevant to their academic and professional fields. Officers in the tri-forces and the Police also expect to broaden their knowledge by reading for advanced degrees. With the assistance of nine other faculties of our university, Faculty of Graduate Studies (FGS) offers diverse and unique master's degrees and doctoral study opportunities for both private and public sector professionals in order to fulfil this current need.

All these advanced degree programmes have been designed to fit for unique purposes and new degree programmes have been introduced according to the modern trends in the higher education sector. Our degree programmes emphasize professional development and diverse application of new knowledge. We also endeavor to develop research with high calibre and have established a rich research culture. Thus, KDU enjoys a prestigious place in the higher education field in Sri Lanka.

Prospectus 2020/2022 of FGS provides essential information on the degree courses offered by the FGS for professionals in the civil sector, military officers in the tri-services and the Police. It also reflects the unique characteristics of our university and its potential to make a difference in the traditional tertiary education system in the country.

I believe the prospectus will be useful for you to gain the required information on the degree programmes offered, eligibility criteria, course curricula and the resources and facilities available at the FGS-KDU.

I convey my sincere thanks to the editorial board for their valuable contribution in preparing a very informative Prospectus 2020/2022 for FGS. I wish good luck to all who select FGS – KDU for their higher studies.

**MP PEIRIS RWP RSP VSV USP**

Major General  
Vice Chancellor



# FACULTY OF GRADUATE STUDIES

## INTRODUCTION

The Faculty of Graduate Studies (FGS) is responsible for the conduct of all Postgraduate Degree programmes for all personnel in the Tri-Services, Police and Executive Officers of Public and Private Sector. The majority of its courses are conducted during weekends for the convenience of the students to follow the courses without compromising their duties in respective services.

The history of the Faculty runs back to 2001 when it was first established as the MSc Section to offer the MSc (Defence Studies) Degree in Management for senior Officers of the Tri-Services, Police, Public and Private Sector. With the high demand for the Master's degree programme, the University introduced the BSc (Defence Studies) Degree in Management for deserving middle level officers in 2003. The MSc Section was renamed in 2004 as the Staff Development and Career Advancement Division, in 2007 as the Institute of Postgraduate Studies, and finally in 2012 as the Faculty of Graduate Studies.

A postgraduate degree is essential for a person to become an erudite professional in the field and it is a rare opportunity to obtain a prestigious degree qualification. Faculty of Graduate Studies of General Sir John Kotelawala University is one of the leading Post Graduate Institutions in Sri Lanka, which engages in conducting External Postgraduate Degree for Commissioned Officers of the Tri Services, Officers of the Sri Lanka Police as well as for the Executive Officers of Public and Private Sector.

Faculty of Graduate Studies ensures personal and professional growth of participants through interactive sessions, experimental learning, and independent research projects. Course components are designed to facilitate and enhance knowledge, develop skills, transform attitudes and to experiment approaches in problem solving.

Today, FGS is engaged in conducting several External Postgraduate Degree Programmes for Officers of the Tri-Services and the Police as well as for the Public and Private Sector personnel who are eager to expand their profiles with additional qualifications. Most importantly, the FGS now offers Master of Philosophy and Doctor of Philosophy Degree programmes thereby reaching the zenith of academic activities of a university, namely the task of knowledge creation through research. In planning and conducting these courses, the Faculty coordinates with the best resource persons in the country representing academic and professional communities.

The Faculty is now housed in a six storied building with an auditorium and ultra modern facilities built in order to expand its scope of activities. Further FGS has planned to commence a day school in the new building, where diverse courses of study will be available for a wider segment of learners.



## ADMINISTRATIVE STAFF OF FACULTY OF GRADUATE STUDIES



### DEAN FACULTY OF GRADUATE STUDIES

Brigadier RGU Rajapakshe RSP psc  
BSc (DS) KDA, MSc (DS) Kelaniya, MASSS (NDU) Washington DC



### STAFF OFFICER I

Lt Col PP Serasinghe RSP USP  
MHR (UOC), PQHRM (CIPM)



### STAFF OFFICER II

Major RHM Karunarathne



### STAFF OFFICER II

LCdr (ND) JPCJ De Silva psc



### STAFF OFFICER II

Major RMS Rathnayake psc  
B.Com (DS)



### **SENIOR ASSISTANT BURSAR**

Mrs GDA Wickramasekara  
BCom (Special) CBA



### **ASSISTANT REGISTRAR**

Mrs IDAT Priyadarshani

BSc in Biological Sciences (Hons) (University of Ruhuna),  
Advanced National Diploma in HRM (ANDHRM) (NIBM)

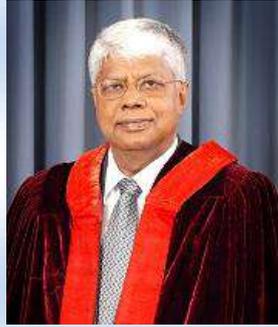
## **BOARDS OF STUDIES**

Board of Studies at the FGS of KDU are established to maintain a decision making bodies composed of academics of different disciplines. As the matters to be screened in these boards belong to different disciplines, collective analysis by members on different disciplines would help to come up with the most suitable recommendations on academic issues of the Faculty of Graduate Studies, these boards can serve to screen the academic activities of students in all disciplines through a collective effort.

There are three Boards of Studies at FGS as follows;

- Management and Social Studies
- Engineering, Computing and Spatial Sciences
- Medical and Biological Sciences

## MANAGEMENT AND SOCIAL STUDIES



**Chairman**

Snr Prof Amal Jayawardane

### **Members**

- Mr WS Wijesinghe, Dean FOL
- Dr (Mrs) R M N T Sirisoma, Dean FMSH
- Mr W A A K Amarathunga, (HOD –Department of Languages)
- Dr. Upali Rajapakshe, HoD in (Dept of Management and Finance)
- Dr W M A G H A Premarathne, HoD (Dept of Social Sciences)
- Ms R B W M H Rathnamalala, HOD (Civil Law)
- Dr (Mrs) Lakshika Liyanage, Course Coordinator MSc in Disaster Risk Reduction & Development)
- Dr Y J S N Fernando
- Ms M R I K Munasinghe
- Ms B K M Jayasekara
- Ms H M A G K Ekanayake
- Ms. D D Lokuge, Course Coordinator - MBA in Logistics Management
- Mr. JMW Premarathne, Course Coordinator – MSc in Management
- Lt Col MTI Gunawardena, Course coordinator in MSc in Security and Strategic Studies

## ENGINEERING, COMPUTING AND SPATIAL SCIENCES



**Chairman**

Snr Prof JR Lucas

### **Members**

- Dr. WCDK Fernando (Dean FOE)
- Dr A R Rupasinghe - Dean, FBESS
- Capt (E) MCP Dissanayake, HOD, Marine Engineering
- Dr KMGP Premadasa
- Eng S U Dampage
- Mr PPNV Kumara
- Cmde JU Gunaseela, -Dean (FOC)
- Dr. TMWRMB Samarakoon,-Dean FOE
- Dr SD Jayasooriya, HOD, Quantity Surveying
- Dr L P Kalansooriya
- Dr RMPS Bandara
- Mrs DU Vidanagama

## MEDICAL AND BIOLOGICAL SCIENCES



**Chairman**

Prof W Abeyewickreme

### **Members**

- Prof MHJ Ariyaratne (Dean FOM & DVC Academic)
- Snr Prof MHR Sheriff
- Snr Prof ND Warnasuriya
- Snr Prof SR De Alwis Seneviratne
- Snr Prof TR Weerasooriya
- Snr Prof Nandani De Silva
- Snr Prof BMR Fernandopulle, HOD in Pharmacology
- Prof Charitha L Goonasekara, Dean R& D, HOD in Dept of Pre-Clinical Sciences
- Brig (Dr) PTR Makuloluwa
- Dr N F J Fernando, HOD in Psychiatry
- Dr GDI Rodrigo
- Dr JMKB Jayasekara
- Dr DU Kottahachchi – Dean FAHS
- Prof. D B M Wickramarathna
- Dr. KAE Fernando
- Lt Col (Dr) P H Premarathne, HoD Dept of Pre-Clinical Sciences
- Maj. WMMS Bandara – HOD in Biochemistry
- Ms. GAD Perera – HoD in Dept of Physiotherapy and Occupational Therapy

# POSTGRADUATE DEGREE PROGRAMMES CONDUCTED AT FACULTY OF GRADUATE STUDIES



# MASTER OF PHILOSOPHY / DOCTOR OF PHILOSOPHY

## INTRODUCTION

1. The Faculty of Graduate Studies (FGS) of Kotelawala Defence University (KDU) provides a unique opportunity for officers of the Tri-Services, Police and in the Public and Private sector with appropriate qualifications to carry out their research in the relevant disciplines with maximum support and guidance from eminent scholars.
2. Further, FGS provides opportunities for the candidates to establish links with local and international scientists via local and international institutes. Postgraduate students are always encouraged to publish their research work in Indexed Journals, Peer reviewed Journals and communicate in local and international research conferences.
3. KDU offers postgraduate research degree programs leading to the award of MPhil and PhD in two different windows to meet distinct requirements based on the academic background of the candidates.



## WINDOW I

4. Due to nature of the responsibilities and commitments connected with the services, some of the service and civil candidates including industrial sector may need additional exposure to improve their knowledge in Research Methodology. An opportunity exists for such candidates to develop their research skills via required theoretical and practical background by following a full course on Research Methodology (which composed of three components namely; Introduction to Research Methodology, Scientific Communication and Statistical Techniques for Research designed to upgrade their knowledge and skills in addition to the guidance received from their supervisors.
5. There will be another course module (6 credits- 90 lectures) on National Interests conducted by eminent resource persons to upgrade their knowledge further on national development. Considering these two modules as a prior necessity both these course modules have been made compulsory for the candidates who register through Window 1, and they shall follow them while being engaged in their Research Projects.

## WINDOW 2

6. Some candidates may have already got the opportunity to follow similar course modules in their degree programmes or they may have already followed additional programs

on Research Methodology with the required exposure towards research oriented thinking. They may commence their research work with the guidance of their supervisors and it is not compulsory for them to follow full course Modules on Research Methodology & National Interests. However, the supervisors may recommend them to follow some of the components of the Research Methodology Module based on their requirements.

## GOALS AND OBJECTIVES

### Overall Goal

7. A key aspect of FGS at KDU is the closely linked postgraduate education to research. It provides opportunity for the postgraduate candidates to pursue their research in different disciplines and with an interdisciplinary or multidisciplinary approach. Students learn how to carry out research effectively from research scholars who are actively involved in research, which enables them to conduct advanced and creative research themselves.
8. The overall goal of FGS at KDU is to develop and enhance the capabilities of researchers possessing originality and ingenuity to conduct pioneering research at the frontlines of different disciplines and interdisciplinary and multidisciplinary researches.
9. FGS prepares the postgraduate students to be core members of international and interdisciplinary and multidisciplinary research projects, and through their research and other activities, they meet the needs of the industrial sector and society contributing significantly to the national development.

## EDUCATIONAL OBJECTIVES

10. To achieve the goal described above, the FGS has set the following educational objectives to award MPhil and PhD degrees.

### MPhil and Doctoral Degrees

11. **An MPhil degree** will be conferred on those who complete a minimum two-year period (full time), of research, follow the compulsory subjects, pass the required examinations specified KDU in By-Laws and pass the thesis review and viva voce under the guidance of an academic supervisor.
12. **A doctoral degree** will be conferred on those who complete a minimum three-year period (Full Time) of research, study the compulsory subjects, pass the required examinations specified in KDU By-Laws, and pass the thesis review and final examinations under the requisite guidance of an academic supervisor.

## DURATION OF THE DEGREE PROGRAMMES

	<b>Degree Programme (from date of full registration)</b>	<b>Minimum Duration</b>	<b>Maximum Duration</b>
1	M Phil- Full Time	2 Years	5 years
2	M Phil- Part Time	3 Years	7 years
3	PhD- Full Time	3 Years	7 Years
4	PhD Part Time	5 Years	9 Years

Under special circumstances the Senate may grant leave of absence by extending the **maximum permitted duration** based on the requirements of the candidate such as leave abroad, need of candidate's representation in international forums to represent the country, commitments to military services etc. For this purpose, candidate has to send an appeal to Vice Chancellor, through Dean, FGS with supervisor's comments.

The durations of MPhil and PhD for full time and part time candidates are given in Table 1. Such durations are effective from the date of full registration<sup>1</sup> of the candidates.

## ELIGIBILITY FOR PROVISIONAL REGISTRATION

### Master of Philosophy

13. The minimum requirements for registration for MPhil degree programme are:

- a. A Masters' Degree in a relevant field from KDU **or** from any other recognized university; **or**
- b. Any other Postgraduate Degree from a recognized University **or**
- c. A Bachelors' degree in a relevant field of **four-year duration** with a 1<sup>st</sup>**or** 2<sup>nd</sup> class from KDU **or** similar qualification from any other recognized university **or**
- d. A Bachelors' Degree in a relevant field of **three-year duration** with a 1<sup>st</sup> or 2<sup>nd</sup> class from KDU with a minimum of one-year experience in the relevant field. Such candidates need to follow prerequisite course material recommended by the subject expert nominated by the Board of Studies (BoS) and recommended by the Faculty Board of FGS (FB, FGS) and approved by the Senate and **sit for a Qualifying Examination**<sup>2</sup> (consists of two essay type question papers of 3 hour duration each which meet the requirements of the Sri Lanka Qualification Frame Work level 6) **or** Similar qualifications from any other recognized university with passing the **Qualifying Examination** (as mentioned above)**or**
- e. Pass Staff College (psc) or an equivalent from a local or foreign institution with a minimum of 20 years of service **or**
- f. Any other relevant qualifications recommended by the BoS and accepted to the FB, FGS and approved by the Senate. Based on the Senate decision, in order to get the Provisional Registration, such a candidate needs to pass the **Qualifying Examination** (following the procedure mentioned in item 4 above).

<sup>1</sup> Candidates are given the full registration status after the approval of their Research Proposal. Till such time they are given the provisional registration status.

<sup>2</sup> Prior to provisional registration, candidates have to pass a qualifying examination conducted by subject experts.

## Doctor of Philosophy (PhD)

14. The minimum requirements for registration are:
  - a. An MPhil Degree in a relevant field from KDU or from a recognized university **or**
  - b. A Bachelors' Degree in a relevant field of **four-year duration** with a 1<sup>st</sup> or 2<sup>nd</sup> Class (upper division) from KDU or from any other recognized university. Such a candidate needs to **pass a qualifying examination** (following the procedure mentioned in section 2.1.4) to get the Provisional Registration. **or**
  - c. Upgrading from an M Phil to PhD programme approved by the Senate **or**
  - d. Any other qualification equivalent to an M Phil Degree acceptable to FB, FGS and approved by the Senate.

## REGISTRATION PROCEDURE

### PROVISIONAL REGISTRATION AND SUBMISSION OF RESEARCH PROPOSAL

15. Initially it is compulsory for all candidates (M Phil or PhD) to register as **Provisional candidates**. Based on their research fields, supervisors will be nominated to guide them and they have to prepare a Research Proposal **within two months** during their **Provisional Registration** with the guidance of the supervisors.
16. **Provisional Registration** is valid only for **three months** and could be extended only up to **six months** due to valid and acceptable reasons given by the candidate with the supervisor's recommendations through the BoS and FB, FGS to the Senate for approval.
17. During the **Provisional Registration**, it is compulsory for a candidate to follow the course module on "Proposal Writing Techniques" (2 credits, 30 lecture hours) with 80% attendance.
18. Two months after the Provisional Registration, a candidate shall submit the proposal (proposal guidelines can be downloaded from FGS web site) to Dean FGS, with the recommendation of the supervisor, and he/she has to do the proposal presentation to the Proposal Evaluation Committee (PEC).
19. The candidates **who fail to submit the proposal** (due to justifiable reasons accepted by the FB, FGS) **and** the candidates **who do not get the required pass marks** for the proposal, get a second attempt to submit/resubmit the proposal at the end of the **fourth month** after the provisional registration.

### PROCEDURE TO TRANSFER FROM PROVISIONAL TO FULL REGISTRATION

#### APPOINTMENT OF PROPOSAL EVALUATION COMMITTEE (PEC):

20. PEC shall be appointed through the recommendation of the BoS, FB, FGS and with the approval of the Senate for evaluation of the proposal.

## EVALUATION OF PROPOSAL

21. The proposal evaluation process includes the evaluation of the written proposal (80% of total marks) and the evaluation of the presentation (20% of total marks) made by the candidate. An M Phil candidate shall secure a minimum of 60% overall marks and a PhD candidate shall secure a minimum of 70% overall marks to get the transfer from Provisional Registration to full registration status.
22. A candidate earning **below** 60% (for M Phil) or 70% (for PhD) in the proposal evaluation may be given an opportunity to resubmit a Research Proposal to the PEC on the **fourth month after the provisional registration**.
23. If the candidate **fails to submit the proposal or is unable to secure required marks** in the Repeated Proposal Evaluation Process (RPEP), Provisional Registration for M Phil/PhD degree will be **automatically cancelled**.
24. On **special circumstances** if a candidate fails to submit the proposal within the Provisional Registration period due to medical reasons or other available commitments of the candidate or under extreme compassionate grounds the Senate can consider allowing the candidate to re-register as a Provisional Candidate with the next batch of candidates without making applicable Provisional Registration Fee (PRF).
25. In the case of a candidate described in 4 above, the appeal has to reach the Senate with the recommendation of the BoS and the FB, FGS. Based on the Senate decision, **the candidate can submit the proposal** with the **next batch of candidates** for evaluation following the same procedure.

## FULL REGISTRATION

26. Once a candidate passes the proposal evaluation, he/she will be given the **Full Registration** status (hereinafter referred to as Registration) and the date of registration will be backdated to the date of **Provisional Registration** and the candidate can commence the research under the same supervisor.
27. In the case of the candidates who fail to earn the required marks at the evaluation process in the first attempt, the effective date of registration shall be the date on which the proposal was submitted for the Repeated Proposal Evaluation Process (RPEP) and accepted by the evaluators.
28. The candidates shall incorporate the recommended changes (if any) made by the evaluators into their Research Proposal and submit it to AR, FGS with the recommendation of the supervisor/s to get the confirmation letter for full registration.
29. The candidates have to renew the registration annually after their progress review evaluation and the recommendation by the relevant committees.

## CANCELLATION OF REGISTRATION

30. The registration of a candidate may be cancelled by the Senate on the recommendation of the FB, FGS due to following reasons:
- a. Non - fulfillment of prescribed course work requirements or research work within the permitted duration of the degree.
  - b. Non-completion of the degree within the stipulated period of time
  - c. Non - payment of annual continuation fee within the first six months of each additional year to keep the studentship active.
  - d. Unsatisfactory progress or absence of the candidate for three consecutive Progress Reviews.
  - e. Breach of rules and regulations of KDU as decided by the Faculty Board and the Senate.
  - f. On the recommendation of supervisor/s and the Faculty Board, the Senate may consider any other actions deemed appropriate for cancellation of registration.
  - g. Under special circumstances, on the recommendation of the supervisor and the Faculty Board, the Senate may consider written request by candidates for reconsideration of cancellation of registration.

## PROGRESS REPORTS AND PROGRESS REVIEW PROCEDURE

31. This process will be for progress monitoring and to facilitate the research work carried out by the candidate.
- a. Prior to the registration of the candidate, the evaluators (internal or external) are nominated by the BoS and FB, FGS and approved by the Senate for evaluation of the progress reports. Usually, the **same evaluators** (internal or external) will serve during the entire degree programme of a candidate **prior to the thesis submission stage**.
  - b. Candidates shall submit the progress of the work once in every six months in the **progress report format** prescribed by the FGS which could be downloaded from the FGS website. The progress report shall be submitted to the AR, FGS through the supervisor.
  - c. Progress Report will be sent to the evaluators through the Dean, FGS for evaluation. Evaluators shall give their comments on the Progress Report of the candidate prior to the **Progress Review Presentation in the duly signed format prescribed by the FGS**. This process will be to facilitate the research work carried out by the candidate.

d. Once a date is informed to the candidate for the Progress Review Committee (PRC) Meeting, the candidate has to prepare for a presentation for the PRC to consider for granting recommendation for continuation of the research. The decision will be reported to the BoS on the progress of the candidate. Granting recommendation for continuation will be forwarded through BoS and FB, FGS for the approval of the Senate.

e. If there are comments made by the evaluators, the candidate has to address the evaluator's comments with the supervisor's guidance to improve the research work and indicate the steps taken to do so in the next progress review report sent for the evaluation.

f. A recommendation regarding a cancellation of registration of a candidate due to continuous unsatisfactory progress (probably within the first two years) will have to be done jointly by the supervisor/s and evaluators after a detailed discussion with the candidate. This recommendation has to be forwarded to PRC for final decision, which has to be forwarded for the approval of the Senate through FB, FGS.

g. PRC comprises the Vice Chancellor, Dean FGS, internal and external Evaluators, internal and external Supervisor/s, Dean Research and Dean of the relevant Faculty or his/her nominee, and a Professor from FGS (optional). In the absence of the Vice Chancellor, Dean, FGS will chair the meeting.

h. PRC for an M Phil/PhD degree programme shall be recommended by the BoS to the FB, FGS for the approval of the Senate.

i. PRC will involve in the progress monitoring process only up to candidate reaching the writing-up stage of the thesis. At the writing up stage, the candidate has to report the progress of writing to the evaluators until the thesis submission stage and the comments of the evaluators will have to be forwarded to BoS, FB, FGS and for the information and approval of the senate.



## Upgrading from MPhil to PhD Programme

32. With the recommendation of the supervisor/s, a candidate shall submit a written request, for an upgrading from MPhil to PhD at the completion of one year from the date of registration and at the time of second progress review to the Dean, FGS. The upgrade must be considered at the second Progress Review Committee.

a. Evaluators have to recommend the suitability of the progress and the research work of the candidate for upgrading the registration to PhD. Evaluators have to give marks in the **prescribed format of FGS** with their comments prior to the PRC meeting for upgrading process.

b. Final decision of the PRC based on the marks and comments of the evaluators in the **prescribed format of FGS** shall be forwarded to Senate for approval through the BoS, FB, FGS.

33. AR FGS shall convey the decision of upgrading process to the candidate in writing.

## **THE THESIS SUBMISSION AND EVALUATION PROCEDURE**

### **INITIAL SUBMISSION (IN SPIRAL BOUND FORMAT FOR EVALUATION)**

34. Upon the completion of MPhil/PhD research work, a candidate shall submit the thesis to AR, FGS on the recommendation of the supervisor/s provided he/she has met all relevant **course work requirements**.

35. The candidate shall submit **Five printed copies** of the thesis (prepared according to “Guide to write dissertations and thesis (Masters, M Phil and PhD)” document published by the FGS, KDU, in temporary binding and one soft copy in a CD to the FGS.

36. The Dean FGS shall dispatch copies of the thesis to the Thesis Examiners who are appointed with the recommendation of the BoS, FB, FGS and with the approval of the Senate.

### **EXAMINATION AND EVALUATION PROCEDURE**

37. The candidate shall be assessed on the basis of the thesis and a Viva-Voce examination by a panel of examiners after receiving the reports in the prescribed format of FGS from the Thesis Examiners appointed by the Senate.

38. Before the Viva Voce Examination, the candidate has to make a presentation (15-20 minutes) based on his/her research findings to the panel.

39. Based on the evaluation reports of the thesis examiners and the performance at the Viva-Voce examination, the examiners may recommend to;

- a. Accept the thesis as it is without any corrections or,
- b. Accept the thesis after inclusion of minor corrections or
- c. Accept the thesis with major revisions or
- d. in the case of a PhD candidate, recommend awarding the MPhil degree instead of a PhD based on the standard of the thesis or.
- e. Reject the thesis.

### **FINAL SUBMISSION OF THE THESIS (HARD BOUND)**

40. A candidate whose thesis is recommended for the award of M Phil/PhD degree is required to make all corrections and/or revisions as prescribed by the two examiners and submit the thesis within the period of time specified by the examiners.

41. The supervisors shall certify (in the given format) that the candidate has incorporated required changes recommended by the examiners.
42. With the certification of the supervisor, the candidate shall submit four copies<sup>3</sup> of the hard-bound revised thesis, PhD in **Raspberry Red** colour and M Phil in **Green Bank** colour, together with one soft copy in PDF, in a CD to FGS within the period specified by the Examiners.
43. Candidates are advised to get the binding done at the KDU Printing Press to maintain the consistency in the colour of the hard bound copies.

#### **EFFECTIVE DATE OF THE DEGREE**

44. The effective date of the degree which shall not precede the last date of the minimum duration of the programme shall be as follows:
  - a. If the thesis is accepted without any corrections or accepted with minor corrections and where the revised thesis is submitted within the time period granted by the examiners, the effective date of the degree shall be the same as the **date of initial submission** of the thesis.
  - b. If the thesis is accepted with minor corrections but the revised thesis is not submitted within the time period granted by the panel of examiners, the effective date of the degree shall be the date of final submission.
  - c. If the thesis is accepted with major corrections, the effective date of the degree shall be the **date of resubmission**. A repeat viva-voce may be held if it is recommended by the examiners at the viva-voce examination.
45. All the candidates are strongly advised to read the By-law documents for MPhil and PhD degrees for **Window 1 and Window 2** published by the Faculty of Graduate Studies for other specific details.

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<sup>3</sup> No. of copies may increase depending on the number of supervisors. AR, FGS will notify the exact number of copies needed to be submitted to FGS.

## COURSE FEE STRUCTURE

Item	Amount (Full Time / Part Time)	
	Military/Police/MOD	Civil
Tuition Fee	Rs. 535,000.00	Rs. 600,000.00
Registration Fee (Initial Registration)	Rs. 15,000.00	Rs. 15,000.00
Library Fees	Rs. 4,000.00	Rs. 4,000.00
Refundable Library Deposit	Rs. 10,000.00	Rs. 10,000.00
Refundable Mess Deposit	Rs. 2,000.00	Rs. 2,000.00
<b>Total</b>	<b>Rs. 566,000</b>	<b>Rs. 631,000.00</b>

### Registration Renewal Fee

After initial registration period of 03 years

for full time candidates - Rs. 75,000/= per annum

After 05 years for part time candidates - Rs. 100,000/= per annum

### Installments for Full Time and Part Time Candidates

Year	Amount (Full Time / Part Time)	
	Military/Police/MOD	Civil
1 <sup>st</sup> Year	Rs. 200,000.00	Rs. 200,000.00
2 <sup>nd</sup> Year	Rs. 167,500.00	Rs. 200,000.00
3 <sup>rd</sup> Year	Rs. 167,500.00	Rs. 200,000.00
<b>Total</b>	<b>Rs.535,000.00</b>	<b>Rs. 600,000.00</b>

# MASTER OF SCIENCE IN MANAGEMENT

## INTRODUCTION

1. The Faculty of Graduate Studies provides a rare opportunity to obtain a Masters' Degree in Management (MSc in Management). The programme covers a broad spectrum of management related subjects including all the key areas needed for a person to become a successful team leader. The programme is ideal for those seeking careers in general management or whose current role requires enhanced managerial and leadership capabilities.

2. Programme has been designed in accordance with the Sri Lankan Qualification Framework, published by the Ministry of Higher Education and its academic standard is equivalent to Sri Lanka Qualifying level 10. It has been designed by a panel of senior academics and professionals from reputed universities/institutions in Sri Lanka ensuring a high academic standard to facilitate participants to complete MSc in Management degree in two years whilst being employed. Lectures will be held on every other weekend at KDU and the rest of the learning is through assignments/independent learning carried out at the participant's own convenience. The medium of instructions is English and all the lectures are webcast through the m-learning platform of FGS, KDU.



## OBJECTIVES

3. The MSc in Management programme has a clear professional approach and is well suited to the officers of the Tri-services and the Police and Executive Officers of Public / Private Sector who wish to make progress in various fields where an analytical focus is important. Further the programme;

- a. Develops an in-depth knowledge of the art in management.
- b. Builds and enhances career plans through specialized subject modules.
- c. Strengthens the ability to live and work in a highly multicultural environment.
- d. Prepares to take up major challenges in economic environment with a global perspective.

## INTENDED LEARNING OUTCOMES AND EXPECTATIONS

4. On successful completion of this Master's Degree, students will have enhanced their skills in,
  - a. Problem solving in Management through the application of updated management knowledge, principles and exposure.
  - b. Communication of Management and commerce related ideas, concepts and solutions to peers and the wider community.
  - c. Practicing modern Management systems based on team work and, respecting others' views and ethical behaviours.
  - d. Research skills including the retrieval of information from a variety of sources and critical analytical ability.

## ELIGIBILITY CRITERIA

5. Eligibility criteria for MSc in Management Degree Programme are as follows:
  - a. He / She is a Commissioned Officer of Tri-Services / Gazetted Police Officer / Public and Private Sector Executive Officer having a Bachelors' Degree with 1<sup>st</sup> Class from a recognized university with a minimum of one (01) year of service **or**,
  - b. He / She is a Commissioned Officer of Tri-Services / Gazetted Police Officer / Public and Private Sector Executive Officer having a Bachelors' Degree with 2<sup>nd</sup> Class from a recognized university with a minimum of two (02) years of service **or**,
  - c. He / She is a Commissioned Officer in the rank of Captain / Lieutenant / Flight Lieutenant and above or Gazetted Police Officer or Public and Private sector Executive Officer with a Bachelors' Degree from a recognized university with a minimum of three (03) years of Service **or**,
  - d. He / She is a Commissioned Officer in the rank of Major/ Lieutenant Commander / Squadron Leader and above or Gazetted Police Officer or Public and Private sector Executive Officer with a minimum of ten (07) years of Service **and**
  - e. Candidates are required to possess satisfactory skills in English language.

## COURSE SYLLABUS

6. The programme contains 16 compulsory subject modules. If a candidate intends to complete the MSc in Management programme, he/she is required to complete all 16 compulsory subject modules, the dissertation within a maximum period of five (05) years.

## PROGRAMME STRUCTURE

7. Candidates are required to earn 63 credits including the credits allocated to the dissertation in two years to obtain the MSc Degree in Management or complete the academic requirements including the mini dissertation of the first year to obtain the Postgraduate Diploma in Management. Any violation of rules and regulations stipulated by KDU on conduct and discipline will lead to cancellation of your studentship.

8. The duration of the MSc in Management is four semesters (two academic years) and classes are conducted on every other weekend of other than in public holidays from 0830 hrs to 1730 hrs.

## MSc Degree in Management Programme - Summary of the Course Delivery Plan

MSc Degree in Management Programme		
Code	Subject	Credits
<b><u>Year 1 – Semester 1</u></b>		
MSM1113	Modern Concepts of Management	3
MSM1123	Marketing Management	3
MSM1133	Organizational Behaviour	3
MSM1143	Human Resource Management	3
	<b>Semester Total</b>	<b><u>12</u></b>
<b><u>Year 1 – Semester 2</u></b>		
MSM 1213	Business Statistics	3
MSM1223	Research Methodology	3
MSM1233	Accounting for Decision Making	3
MSM1243	Managerial Economics	3
	<b>Semester Total</b>	<b><u>12</u></b>
<b><u>Year 2 – Semester 1</u></b>		
MSM2113	Business Law	3
MSM2123	Information Systems Management	3
MSM2133	Financial Management	3
MSM2143	Psychology & Counseling	3
	<b>Semester Total</b>	<b><u>12</u></b>
<b><u>Year 2 – Semester 2</u></b>		
MSM 2213	Project Management	3
MSM 2223	Strategic Management	3
MSM 2233	Operations Management	3
MSM 2243	Ethics and Corporate Governance	3
	<b>Semester Total</b>	<b><u>12</u></b>
MSMR	<b>DISSERTATION</b>	<b><u>15</u></b>
	<b>TOTAL</b>	<b><u>63</u></b>

## LECTURER PANEL

1. **Prof I De Silva**  
*PhD (ANU), MA (ANU), BDevS (Hons.) (University of Colombo)*
2. **Dr H Premarathna**  
*PhD (Saga, Japan), MA (Saga, Japan), BA (Hons) (Peradeniya)*
4. **Dr UG Rajapaksha**  
*PhD in Economics (Kelaniya), MBA (OUSL), BCom (Special) (USJP), AMA (ICMA)*
5. **Prof A Gamage**  
*PhD in Human Resource Development (Meijo University, Nagoya, Japan), MSc Management (USJP), BSc Management (First Class) (USJP)*
6. **Dr. Dushan Jayawickrama**  
*PhD(Australia); MSc(SJP); B.Sc in Marketing (Special) (SJP)*
7. **Mr J Badugama**  
*MBA (Col), BSc (USJP)*
8. **Mr R Rajasooriya**  
*MSc IM (USJP), BSc (Maths) (Colombo)*
9. **Dr. Nishani Rathnayaka**  
*Ph.D. in Administrative Management (HUST, Republic of China), Masters in Development Studies (Colombo, Sri Lanka), B.Sc. Management (Public) (Hons) (USJ, Sri Lanka), SEDA (UK), CTHE (Colombo, Sri Lanka)*
10. **Dr Nishantha Sampath Punchihewa**  
*PhD(Germany), LLM(USA), LLB(Colombo)*
11. **Dr LP Kalansooriya**  
*Doctor of Engineering of Information Science and Control Engineering (University of Japan) Master of Information Technology (University of Colombo), Bachelor of Science (University of Peradeniya)*
12. **Professor C Pathirawasam**  
*PhD (Czech Republic), MSc (USJP), MBA (Japan), PG Dip in Acct & FM (USJP), BSc (USJP)*
13. **Dr (Mrs) LS Liyanage**  
*PhD (UK), MA (UK), BA (University of Peradeniya)*
14. **Mr NR Asoka De Silva**  
*MSc (Ireland), BSc (Eng) (Peradeniya)*
15. **Mr TM Jayasekara**  
*MBA (University of Colombo), BScEng (Peradeniya)*

16. **Prof (Ms) DSNP Senaratne**

*PhD (University of Colombo) MBA (University of Jayawardanapura)*

17. **Dr Ajward**

*PhD (Finance) (Colombo) B.Sc. Accountancy Special (SJP); MBA (PIM)*

## **COURSE FEE STRUCTURE**

Item	Amount	
	Military/Police/MOD	Civil
Tuition Fee	Rs. 225,000.00	Rs. 260,000.00
Registration Fee - 3 Years (Initial Registration)	Rs. 4,000.00	Rs. 5,000.00
Library Fees	Rs. 2,000.00	Rs. 2,000.00
Refundable Library Deposit	Rs. 10,000	Rs. 10,000
Refundable Mess Deposit	Rs. 2,000.00	Rs. 2,000.00
<b>Total</b>	<b>Rs. 243,000.00</b>	<b>Rs. 279,000.00</b>

### **Registration Renewal Fee**

1 <sup>st</sup> Year after initial registration	-	Rs. 12,500/=
2 <sup>nd</sup> Year after initial registration period	-	Rs. 25,000/=
Continuation to another additional year under any circumstances	-	Rs. 100,000/=

### **Repeat Examination Fee**

For entire semester	-	Rs. 2,500/=
For one subject	-	Rs. 1,000/=
Repeat Thesis Defence Viva-Voce Fee	-	Rs. 11,500/=

# MASTER OF BUSINESS ADMINISTRATION IN E-GOVERNANCE

## INTRODUCTION

1. Master of Business Administration in E-Governance Programme of the FGS provides an opportunity for participants to obtain a wider spectrum of knowledge, skills, competence, and attitudes, relevant and necessary to an individual's practice in Master of Business Administration in E-Governance.

2. It has been designed in accordance with the Sri Lanka Qualification Framework, published by the Ministry of Higher Education and it is equivalent to Sri Lanka Qualification Level 10. It has been designed by a panel of senior academics and professional from reputed universities/institutions in Sri Lanka, ensuring a high academic standard to facilitate participants to complete MBA in E-Governance in two years whilst being employed. Lectures are held in every other weekend at KDU and the rest of the learning is through assignments/ independent learning carried out at participants own convenience. The medium of instructions is English and all lectures are webcast through the m-Learning platform of FGS, KDU.



## OBJECTIVES

3. The main objectives of this programme is to enhance and develop the knowledge of Commissioned Officers in the three Armed Services, Gazettes Police Officers and Executive Officers in Public and Private Sector in Business Administration in E-Governance. In addition, this programme will;

- a. Provide a wider spectrum of knowledge in Business Administration in E-Governance,
- b. Enhance the skills of participant in Business Administration in E-Governance,
- c. Facilitate career progression.

## INTENDED LEARNING OUTCOMES

4. Successful candidates of MBA in E-Governance will demonstrate knowledge and understanding on all aspects related in MBA in E-Governance and apply knowledge in practical context in their respective organization or in any fields as applicable.

## ELIGIBILITY CRITERIA

5. Eligibility criteria for Master of Business Administration Degree in E-Governance is as follows:

- a. He / She is a Commissioned officer of Tri-Services /Gazettes Police Officer with minimum of ten (10) years post qualification executive experience in the services **or**,
- b. He / She possesses any Bachelor of Science, IT or Engineering degree from a recognized University accepted by the Faculty and approved by KDU together with minimum two (02) years post qualifying executive experience in a Government/Private sector organization **or**,
- c. He / She possesses any other recognized degree in a relevant field accepted by the Faculty and approved by KDU together with a minimum of two (02) years post qualifying executive experience in a Government/Private sector organization **or**,
- d. He / She possess Diploma in relevant field (Science) with a minimum of five (05) years post qualification executive experience in a Government/Private sector **or**,
- e. He / She possess Certificate with a minimum of seven (07) years post qualification executive experience in a Government/Private sector **or**,
- f. He / She Possess Associate Membership, Graduate-ship (as appropriate) or equivalent from a recognized professional institute accepted by the Faculty and approved by KDU with a minimum of three (03) years post qualifying executive experience in a Government/Private sector organization **and**
- g. Candidates are required to possess satisfactory skills in English language.

## COURSE SYLLABUS

6. The programme contains 16 compulsory subject modules and 5 optional subject modules of which two are to be selected during year II. If a candidate intends to complete the MBA in E-Governance Programme, he/ she is required to complete all 16 compulsory subject modules, the dissertation and 2 optional subject modules out of the 5.

## PROGRAMME STRUCTURE

7. Candidates are required to earn 60 credits including the credits allocated to the dissertation in two years to obtain the MBA in E-Governance or complete the academic requirements including a project report in the first year to obtain the Postgraduate Diploma in E-Governance without any violation of rules and regulations stipulated by KDU on conduct and discipline.

8. The duration of the MBA in E-Governance is two years which include four semesters and lectures are conducted on every other weekend of other than in public holidays from 0830 hrs to 1730hrs.

# MBA in E-Governance Programme - Summary of the Course Delivery Plan

MBA in E-Governance Programme				
Code	Subject	Lecture Hours	Assignment	Credits
<b>Year 1 – Semester 1</b>				
MEG 1113	Introduction to E-Governance	30	15	3
MEG 1123	IT Infrastructure Management	30	15	3
MEG 1133	Accounting and Financial Management	30	15	3
MEG 1143	Organizational Behavior	30	15	3
MEG 1153	Information Systems for E-Governance	30	15	3
<b>Total Credits</b>				<b>15</b>
<b>Year 1 – Semester 2</b>				
MEG 2063	Research Methodology	30	15	3
MEG 2073	Process Re-Engineering for E-Government	30	15	3
MEG 2083	Managerial Finance	30	15	3
MEG 2093	IT Strategic Management	30	15	3
MEG 2103	E-Governance Theories and Practices	30	15	3
<b>Total Credits</b>				<b>15</b>
<b>Year 2 – Semester 1</b>				
MEG 3122	E - Governance Project Management	15	15	2
MEG 3132	Implementation and Development of E-Governance	15	15	2
MEG 3141	Emerging Technologies for Smart Governance	15	-	1
<b>Optional</b>				
MEG 3152	Human Computer Interaction	15	15	2
MEG 3162	Managerial Economics	15	15	2
MEG 3172	Change Management	15	15	2
<b>Total Credits</b>				<b>7</b>
<b>Year 2 – Semester 2</b>				
MEG 4182	Information Systems Auditing	15	15	2
MEG 4192	Social, Ethical and Legal Aspects of E-Governance	15	15	2
MEG 4202	Information Assurance and Security	15	15	2
<b>Optional</b>				
MEG 4212	Public Sector Management and Administration	15	15	2
MEG 4222	Human Resource Management	15	15	2
<b>Total Credits</b>				<b>8</b>
MEG 3110	<b>Research Project</b>			<b>15</b>
<b>Total Credits</b>				<b>60</b>

## LECTURER PANEL

1. **Prof Prasad M Jayaweera**

*PhD (Computer & Systems Science), PhL(Computer & Systems Science), BSc(Computer Science)(Special),UOC*

2. **Dr I Perera**

*PhD (Computer Science), Department of Computer Engineering, UOM*

3. **Dr S Punchihewa**

*PhD in Law, with 'magna cum laude' (Ludwig Maximilians University of Munich / Max Planck Institute of Innovation and Competition, Germany), LLM in IP and Competition Law (MIPLC), (Germany), LLB (Hons) (University of Colombo), Certificate in Teaching in Higher Education (University of Colombo)*

4. **Mr ADAI Gunasekara**

*Master in Public Administration (University of Colombo, Faculty of Graduate Studies), Postgraduate Diploma in Computer Science (University of Colombo School of Computing), BSc in Computing and Information Systems 1st Class Honours (London Metropolitan University UK), Professional Member of British Computer Society (MBCS), Certificate in Teaching in Higher Education (CTHE) (General Sir John Kotelawala Defence University)*

5. **Mr PPNV Kumara**

*MSc (Strategic Business IT), BSc (Hons) (Computing)*

6. **Mr C Nanayakara**

*MBA in IT (University of Moratuwa), BSc (Hons) in Computing and Information Systems (University of London), Currently a doctoral candidate of Postgraduate of Management (USJP)*

7. **Mr M Fonseka**

*Master of Business Administration (MBA) (Postgraduate Institute of Management (PIM), University of Sri Jayewardenepura with a 'Merit' pass), Dip. M (UK), Postgraduate Diploma in Marketing (Chartered Institute of Marketing, (CIM) UK)*

8. **Dr Ruwan Wickramarachchi**

*PhD (Sheffield Hallam University, UK), BSc in Industrial Management from the University of Kelaniya and MPhil in Management Studies (Specialized in Information Systems) from the University of Cambridge, United Kingdom*

9. **Dr (Mrs) W Gunathilake**

*PhD (Computer Science), MSc (IT) (UCSC), MSc (Operations) (UOM), BSc (UOC)*

10. **Dr LP Kalansooriya**

*Dr.Eng (Information Science and Control Engineering) (Japan), MSc (IT) (UCSC), BSc(UOP)*

11. **Dr MPAP Wijesiri**

*PhD (Computer Engineering), MSc (Computer Engineering), BSc (Engineering) (Hons) (Computer Science & Engineering)*

12. **Mr B Hettige**

*MPhil (UOM), BSc (UOJ)*

13. **Mr R Rajasuriya**

*MSc (Industrial Mathematics), BSc(Mathematics)*

14. **Mr J Nonis**

*MBA(PIM)(UOJ), MCMA*

## COURSE FEE STRUCTURE

Item	Amount	
	Military / Police / MOD	Civil
Tuition Fee	Rs. 225,000.00	Rs. 250,000.00
Registration Fee - 3 Years (Initial Registration)	Rs. 4,000.00	Rs. 5,000.00
Library Fees	Rs. 2,000.00	Rs. 2,000.00
Refundable Library Deposit	Rs. 10,000.00	Rs. 10,000.00
Refundable Mess Deposit	Rs. 2,000.00	Rs. 2,000.00
<b>Total</b>	<b>Rs. 243,000.00</b>	<b>Rs. 269,000.00</b>

### Registration Renewal Fee

1 <sup>st</sup> Year after initial registration	-	Rs. 12,500/=
2 <sup>nd</sup> Year after initial registration period	-	Rs. 25,000/=
Continuation to another additional year under any circumstances	-	Rs. 100,000/=

### Repeat Examination Fee

For entire semester	-	Rs. 2,500/=
For one subject	-	Rs. 1,000/=
Repeat Thesis Defence		
Viva-Voce Fee	-	Rs. 11,500/=

# MASTER OF BUSINESS ADMINISTRATION IN LOGISTICS MANAGEMENT

## INTRODUCTION

1. The Faculty of Graduate Studies at General Sir John Kotelawala Defence University provides an opportunity to obtain a Master of Business Administration Degree in Logistics Management. This Degree programme has been designed for professionals seeking a Degree that prepares them with specific skills and competencies in Logistics Management.
2. Moreover, the programme has been designed in accordance with the Sri Lanka Qualification Framework, published by the Ministry of Higher Education and its academic standard is equivalent to Sri Lanka Qualifying level 10 where minimum of 60 academic credits are required to be earned. It has been designed by a panel of senior academics and professionals from reputed universities/institutions in Sri Lanka ensuring a high academic standard to facilitate participants to complete MBA in Logistics Management in two years whilst being employed. Lectures will be held on every other weekend at KDU and the rest of the learning is through assignments/independent learning carried out at the candidates' own convenience. The medium of instructions is English and all the lectures are webcast through the m-learning platform of FGS, KDU.



## OBJECTIVES

3. The main objective of the programme is to enhance and develop the knowledge of officers in the Tri-Services, Police and also Executives of Public and Private sector and professionals and practitioners in respective discipline in logistics management and to be competent in civil and military logistics applications.

## INTENDED LEARNING OUTCOMES AND EXPECTATIONS

4. On successful completion of this Master's Degree, candidates will have enhanced their skills in,
  - a. Advanced leadership position with specific skills and competencies in logistics management.
  - b. Planning, developing and managing logistics and supply chain operations in the Military, Public and Private Sector.
  - c. Practical application of logistics principles to real world situations in efficient flow of goods and services.

## ELIGIBILITY CRITERIA

5. Eligibility criteria for MBA in Logistics Management Programme is as follows:
  - a. He / She is a Commissioned Officer of Tri-Services / Gazetted Police Officer / Public and Private Sector Executive Officer having a Bachelor's Degree with 1<sup>st</sup> Class from a recognized university with a minimum of one (01) year of service/work experience **or**,
  - b. He / She is a Commissioned Officer of Tri-Services / Gazetted Police Officer / Public and Private Sector Executive Officer having a Bachelor's Degree with 2<sup>nd</sup> Class from a recognized university with a minimum of two (02) years of service/work experience **or**,
  - c. He / She is a Commissioned Officer in the rank of Captain/Lieutenant / Flight Lieutenant and above or Gazetted Police Officer or Public and Private Sector Executive Officer with a Bachelor's Degree from a recognized university with a minimum of three (03) years of service/work experience **or**,
  - d. He / She is a Commissioned Officer in the rank of Captain/ Lieutenant Flight Lieutenant and above or Gazetted Police Officer or Public and Private sector Executive Officer with a minimum of seven (07) years of service/work experience **and**
  - e. Candidates are required to possess satisfactory skills in English language.

## COURSE SYLLABUS

6. The programme contains 17 compulsory subject modules and a dissertation on guided research. If a candidate intends to complete the MBA in Logistics Management programme, he/she is required to complete all 17 compulsory subject modules and the research component.

## PROGRAMME STRUCTURE

7. Candidates are required to earn 60 credits including the credits allocated to the dissertation in two years to obtain the MBA in Logistics Management or complete the academic requirements including a project report in the first year to obtain the Postgraduate Diploma in Logistics Management. Any violation of rules and regulations stipulated by KDU on conduct and discipline will lead to cancellation of studentship.
8. The duration of the MBA in Logistics Management Degree Programme is four semesters (two academic years) and classes are conducted in every other weekend of other than in public holidays from 0830 hrs to 1730 hrs.

## MBA in Logistics Management Programme - Summary of the Course Delivery Plan

<b>MBA in Logistics Management Programme</b>		
<b>Code</b>	<b>Subject</b>	<b>Credits</b>
	<b><u>Year 1 – Semester 1</u></b>	
<b>MLM 110103</b>	Supply Chain Management	3
<b>MLM 110203</b>	Business Statistics	3
<b>MLM 110303</b>	Marketing Management	3
<b>MLM 110403</b>	Financial Decisions Making for Logistics	3
	Management	
	Total Credits	<b><u>12</u></b>
	<b><u>Year 1 – Semester 2</u></b>	
<b>MLM 121103</b>	Transportation Management	3
<b>MLM 121203</b>	Procurement Management	3
<b>MLM 121303</b>	Managerial Economics	3
<b>MLM 121403</b>	Research Methodology	3
	Total Credits	<b><u>12</u></b>
	<b><u>Year 2 – Semester 1</u></b>	
<b>MLM 212102</b>	Legal Aspects of Logistics	2
<b>MLM 212302</b>	Ports and Shipping Management	2
<b>MLM 212403</b>	Inventory & Warehouse Management	3
<b>MLM 212502</b>	Human Resource Management	2
<b>MLM 212603</b>	Operations Research	3
	Total Credits	<b><u>12</u></b>
	<b><u>Year 2 – Semester 2</u></b>	
<b>MLM 223102</b>	International Trade Documentation & Procedures	2
<b>MLM 223202</b>	Green Logistics	2
<b>MLM 223402</b>	Enterprise Resource Planning	2
<b>MLM 223503</b>	Strategic Supply Chain Management	3
<b>MLM 223915</b>	Dissertation	15
	Total Credits	<b><u>24</u></b>
<b>TOTAL CREDITS OF THE PROGRAMME</b>		<b><u>60</u></b>

## LECTURER PANEL

1. **Dr (Mrs) N Sirisoma**

*PhD, BSc Eg. Hons (Moratuwa) C. Eng, CMILT, MITE (US), MIE (SL)*

2. **Dr UG Rajapakshe**

*PhD in Economics (Kelaniya), MBA (OUSL), BCom (Special) (USJP), AMA (ICMA)*

3. **Dr S Punchihewa**

*PhD in Law, LLM in IP and Competition Law (MIPLC) (Germany), LLB (Hons) (University of Colombo)*

4. **Dr H Premarathne**

*PhD (Saga, Japan), MA (Saga, Japana), BA (Hons) (Peradeniya)*

5. **Dr. Dayananda Ambalangodage**

*Ph D, BBA (Accounting) Special; MBA; FCA; ACMA, CMA Australia, CTHE*

6. **Mr. Upul Jayathissa**

*BSc (sp) Business Administration, MSc (Port Mgt), Dip in Marketing (UK) (Wigan & Leign College)*

7. **Dr Lakshika Liyanage**

*PhD (Durham University, UK), MA (Durham University, UK), BA (Hons) (University of Peradeniya), Diploma in Psychology and Counselling*

8. **Dr A Jayarathna**

*PhD (UK), MSc in Management (USJP), BSc Mkt Mgt (Special) (USJP), M. in Policy Stud. (Tokyo)*

9. **Mr W Premarathne**

*MPhil(Econ), MA (Econ), BA(Econ)1<sup>st</sup> class,MILT*

10. **Mr R Rajasooriya**

*MSc IM (USJP), BSc (Maths) (Colombo)*

11. **Mr B Samaranayake**

*MSc (IT) (Moratuwa), MBA (USJP), BSc (Kelaniya)*

12. **Mr D Samarasinghe**

*MBA (Col), BSc (USJP)*

13. **Ms Gayani De Alwis**

*Birmingham City University UK (local provider NEXT Campus), Sheffield Hallam University UK (Local partner SLIIT)*

## COURSE FEE STRUCTURE

Item	Amount	
	Military/Police/MOD	Civil
Tuition Fee	Rs. 270,000.00	Rs. 300,000.00
Registration Fee - 3 Years (Initial Registration)	Rs. 4,000.00	Rs. 5,000.00
Library Fees	Rs. 2,000.00	Rs. 2,000.00
Refundable Library Deposit	Rs. 10,000.00	Rs. 10,000.00
Refundable Mess Deposit	Rs. 2,000.00	Rs. 2,000.00
<b>Total</b>	<b>Rs. 288,000.00</b>	<b>Rs. 319,000.00</b>

### Registration Renewal Fee

1 <sup>st</sup> Year after initial registration	-	Rs. 12,500/=
2 <sup>nd</sup> Year after initial registration period	-	Rs. 25,000/=
Continuation to another additional year under any circumstances	-	Rs. 100,000/=

### Repeat Examination Fee

For entire semester	-	Rs. 2,500/=
For one subject	-	Rs. 1,000/=
Repeat Thesis Defence		
Viva-Voce Fee	-	Rs. 11,500/=

# MASTER OF LAWS

## INTRODUCTION

1. The KDU Master of Laws is an outstanding postgraduate degree programme for law graduates and Attorneys. It covers the subject areas of legal specialization which focus on contemporary legal issues in combination with the latest legal professional expertise and academic excellence. The programme provides a board education in Law and postgraduate legal research. It has been designed for those with a personal or professional interest in Law and will be suitable for study by both law graduates and Attorneys.
2. The course would develop key postgraduate legal skills and knowledge with specialization in a specific area of Law. A limited number of students will be admitted so as to facilitate interaction with and contribution from all participants.
3. The programme's teaching staff brings together the best legal minds in Sri Lanka which includes leading academics, practitioners and industry professionals with special expertise, as well as visiting international scholars. Students will benefit from the rich educational environment while intermingling with professionals from many backgrounds and industries and building the specialized expertise and experience needed to gain a cutting professional edge. Lectures will be held on every other weekend at KDU and the rest of the learning is through assignments/independent learning carried out at the candidates' own convenience. The medium of instructions is English and all the lectures are webcast through the m-learning platform of FGS, KDU.



## **OBJECTIVES**

4. The breadth of the programme gives students an opportunity to harness their legal knowledge and skills, and enhance the career prospects for the purpose of attaining their personal and professional goals. Further, it;
  - a. Provides students with an advanced knowledge and understanding of the theoretical underpinnings of different fields of Law and the skills required in practice.
  - b. Enhance student perceptions on the international dimensions of the different fields of Law.
  - c. Develop students' capacity to understand, critically assess and provide practical solutions to the type of problems commonly encountered in the practice of Law.
  - d. Inculcate in students with knowledge, understanding and skills at postgraduate level deemed appropriate to careers involving International Law or areas in which it has relevance.
  - e. Provide the foundation for progression to PhD level studies.

## **INTENDED LEARNING OUTCOMES AND EXPECTATIONS**

5. The programme provides opportunity for students to develop and demonstrate knowledge and understanding, qualities, skills and other attributes as follows:
  - a. Knowledge and understanding of students' chosen specialty, augmented by current practice, scholarship and research.
  - b. Critical analysis of current issues and developments in students' chosen area of specialty.
  - c. Application of research finding to practical and hypothetical situation.
  - d. Utilization of a range of techniques and research methodology.
  - e. Undertaking critical analysis, evaluation and synthesis of novel and complex ideas.
  - f. Making decisions in complex and challenging situations.
  - g. Demonstrate self-direction and originality in tackling and resolving complicated legal problems.

## **ELIGIBILITY CRITERIA**

6. A person is eligible for admission to the programme of study leading to the Master Degree in Laws, provided he/she meets one of the following conditions;
  - a. Legal Officers of the Sri Lanka Armed Forces and the Police, Legal Officers of the Public and Private sector and independent practitioners.

- b. A candidate shall normally possess any of the following qualifications and illustrate that she/he is competent to undertake postgraduate course.
- (1) 1<sup>st</sup> class/ 2<sup>nd</sup> class upper honors degree – No working experience  
**OR**
  - (2) 2<sup>nd</sup> lower degree – 2 years working experience  
**OR**
  - (3) Degree (without class) – 3 years working experience  
**OR**
  - (4) Attorney – at – Law with minimum of 5 years working experience  
**OR**
  - (5) Equivalent qualification from an institution approved by the KDU of comparable academic status.

## **COURSE SYLLABUS**

7. The programme includes eleven (11) mandatory subject modules (including 1 NGPA subject LLM 1042) and four (04) optional subject modules. A credit is defined as having 15 hours of interactive class room sessions or 30 to 45 hours of practical and other time work including assignments.
8. A take home assignment of 3000 words on a research question from all subject modules will be given.
9. A candidate is required to complete all 10 compulsory subject modules, the dissertation and 2 optional subject modules out of 4 subject modules.

## **PROGRAMME STRUCTURE**

10. Candidates are required to earn 61 credits including the credits allocated to the dissertation in two years to obtain the Master of Laws Degree or complete the academic requirements including mini dissertation of the first year to obtain the Postgraduate Diploma in Law. Any violation of rules and regulations stipulated by KDU on conduct and discipline will lead to the cancellation of studentship of the relevant student.
11. The duration of the Master of Laws degree is four semesters (two academic years) and classes are conducted on every other weekend of other than in public holidays from 0830 hrs to 1730 hrs. The medium of instruction will be English.

## Master of Laws Programme - Summary of the Course Delivery Plan

Master of Laws Programme				
CODE	SUBJECTS	LECTURE HOURS	ASSIGNMENTS	CREDITS
	<b><u>Year 1 – Semester 1</u></b>			
LLM 1015	Jurisprudence	45	45	4
LLM 1025	Advanced Legal Research Writing	30	45	3
LLM 1035	Research Methodology	45	45	4
LLM 1042	Information Technology	15	45	2(NGPA)
				<b><u>11</u></b>
	<b><u>Year 1 – Semester 2</u></b>			
LLM 2055	International Law	45	45	4
LLM 2065	Human Rights Law	45	45	4
	<b>Optional</b>			
LLM 2075	Domestic Criminal Justice System	45	45	4
LLM 2085	International Criminal Justice System	45	45	4
				<b><u>12</u></b>
	<b><u>Year 2 – Semester 1</u></b>			
LLM 3095	Info & Comm. Tech (Cyber) Law	45	45	4
LLM 3104	Soft skills Development	15	45	2
LLM 3115	Constitutional Law & Administrative Law	45	45	4
	<b>Optional</b>			
LLM 3123	Military Law	45	45	4
LLM 3133	Security Law	45	45	4
				<b><u>14</u></b>
	<b><u>Year 2 – Semester 2</u></b>			
LLM 4144	International Trade Law	45	45	4
LLM 4153	International Arbitration Law	45	45	4
				<b><u>8</u></b>
LLMR	DISSERTATION			<b><u>15</u></b>
	<b>TOTAL</b>			<b><u>60</u></b>

## LECTURER PANEL

1. **Prof I De Silva**

*PhD (ANU), MA (ANU), BDevS (Hons.) (University of Colombo)*

2. **Prof W Senevirathna**

*M Phil (Colombo), LLB (Colombo) (Hons), Attorney at Law*

3. **Prof Jeeva Niriella**

*MPhil (Colombo), LLB Hons (Colombo), Attorney-at Law of the Supreme Court of Sri Lanka, Commissioner for Oaths, Notary Public*

4. **Dr TB Abeysekara**

*PhD (University of Exeter-UK), LLM (University of London-UK) LLB (Hons) (Colombo), Attorney at Law, Dip in IR (Bandaranaike Centre for International Studies), Dip in IR (Adam Mickiewicz University/Poznan-Poland), Cert in Digital Archives (Central, European University/ Budapest-Hungary)*

5. **Dr NS Punchihewa**

*PhD in Law (Germany), LLM in IP and Competition Law (MIPLC) (Germany), LLB (Hons) (University of Colombo), Attorney at Law, Commissioner for Oath, Company Secretary*

6. **Dr K Senarathne**

*PhD in Law (University of Hong Kong), LLM in (University of London), LLB (University of London)*

7. **Mr WMPL De Alwis** Consulate of the republic of Seychelles in Sri Lanka

*LLM in (University of Colombo), LLB (University of London)*

8. **Rear Admiral (Rtd) P Fernando**

*LLM (International Law in UOC), LLM (International Commercial Law in University of Bristol), LLB (UOC)*

9. **Dr Dantha Rodrigo**

*PhD, LLM (London), LLB, Attorney at Law, Deputy Solicitor General*

10. **Dr Y Kodagoda**

*LLM, Attorney at Law, Deputy Solicitor General*

11. **Commodore (Dr) ID Piyasiri**

*PhD, LLM, LLB*

12. **Mr WR Gajanayake**  
*LLM (London), BSc Eng (Moratuwa), President's Counsel*
13. **Mr M Harankaha**  
*LLM (Col), LLB (Col), Attorney-at-Law*
14. **Mr Jayantha Fernando**  
*LLM (University of London), LLB*
15. **Hon Mohan Peiris**  
*LLM, LLB, President's Counsel, Former Chief Justice*
16. **Dr Rose Wijesekara**  
*PhD, LLM, LLB*
17. **Mrs P Wijesooriya**  
*LLM (Colombo), LLB (Hons) (Colombo), Attorney at Law*
18. **Mrs BKM Jayasekara**  
*LLM, LLB (Hons), Attorney at Law, Notary Public, Company Secretary, Commissioner for Oaths*
19. **Mrs RBWMH Rathnamalala**  
*LLM (University of Minnesota Law School, (USA)), LLM (Colombo), LLB (Hon) (Colombo)*
20. **Mrs Ishara Munasinghe**  
*LLM (University of Wales), LLB (University of Colombo)*
21. **Mrs WABD Wickramasinghe**  
*LLM (Colombo), LLB (Hons) (Colombo), Attorney at Law, Advance Diploma Course for Children (American College of Higher Education), Certificate in Computer Studies (Singapore Informatics)*
22. **Mrs KT Dissanayaka**  
*Attorney at Law, Certified Mediator Trainer, Diploma in Commercial Arbitration, Diploma in Human Right*

## COURSE FEE STRUCTURE

Item	Amount	
	Military/Police/MOD	Civil
Tuition Fee	Rs. 270,000.00	Rs. 300,000.00
Registration Fee - 3 Years (Initial Registration)	Rs. 4,000.00	Rs. 5,000.00
Library Fees	Rs. 2,000.00	Rs. 2,000.00
Refundable Library Deposit	Rs. 10,000.00	Rs. 10,000.00
Refundable Mess Deposit	Rs. 2,000.00	Rs. 2,000.00
<b>Total (General)</b>	<b>Rs. 288,000.00</b>	<b>Rs. 319,000.00</b>

### Registration Renewal Fee

1 <sup>st</sup> Year after initial registration	-	Rs. 12,500/=
2 <sup>nd</sup> Year after initial registration period	-	Rs. 25,000/=
Continuation to another additional year under any circumstances	-	Rs. 100,000/=

### Repeat Examination Fee

For entire semester	-	Rs. 2,500/=
For one subject	-	Rs. 1,000/=
Repeat Thesis Defence		
Viva-Voce Fee	-	Rs. 11,500/=

# MASTER OF SCIENCE IN SECURITY AND STRATEGIC STUDIES

## INTRODUCTION

1. The Faculty of Graduate Studies of General Sir John Kotelawala Defence University in collaboration with the Department of Strategic Studies has introduced a Master of Security and Strategic Studies Programme (MSSS). MSSS envisions developing a strategic community and broadening their horizons in order to serve the national interest of Sri Lanka. This Masters Programme educates participants in emerging knowledge in Security & Strategic Studies as an interdisciplinary fields of study. Further, the programme also includes analysis of various theories, concepts, methodologies and techniques related to Strategic Studies in order to broaden the knowledge of the participants.

2. Moreover, the programme has been designed in accordance with the Sri Lanka Qualification Framework, published by the Ministry of Higher Education and academic standards is equivalent to Sri Lanka Qualifying level 10 where minimum of 60 academic credits are required to be earned. It has been designed by a panel of senior academics and professionals from reputed universities/ institutions in Sri Lanka ensuring high academic standards to facilitate participants to complete the Master of Security and Strategic Studies degree in two academic years whilst being employed. Facilitator assisted learning sessions will be held on every other weekend at KDU and the rest of the learning is through assignments/ independent learning and a dissertation carried out at participants own convenience. The medium of instructions is English and all the lectures are webcast through the m-Learning platform of FGS, KDU.



## OBJECTIVES

3. MSSS envisions the development of strategic community and broadening their horizons in order to serve the National Interest of Sri Lanka. The Master's Programme is in line with the view that its set objective will educate participants;

- a. In emerging knowledge in Security and Strategic Studies as an interdisciplinary field of Study.
- b. In various theories, concepts, methodologies and techniques related to Strategic Studies in order to broaden their knowledge.
- c. To be aware of the contemporary global and regional Security and Strategic Settings and its relevance to Sri Lanka.

## INTENDED LEARNING OUTCOMES

4. After the successful completion of the Master's Degree, participants will,
  - a. Have an in-depth knowledge in contemporary global and regional Security and Strategic settings and its relevance to Sri Lanka.
  - b. Be able to understand the strategic nexus between the National Interest of our state and the role to safeguard it.

## ELIGIBILITY CRITERIA

5. Applicants satisfying the following requirements are eligible for admission:
  - a. Degree of the Bachelor of Science (Defence Studies) in Electrical / Electronic Engineering at the General Sir John Kotelawala Defence University (KDU) **AND** a minimum of three years of appropriate experience as an Engineer as approved by the Faculty of Engineering, KDU, **OR**
  - b. Degree of Bachelor of Science in Engineering specialized in Electrical Engineering of at least four-year duration of the General Sir John Kotelawala Defence University (KDU), **OR**
  - c. A Electrical Engineering related degree of at least four-year duration from a state university in Sri Lanka where both relevance and equivalence is judged by the Faculty of Engineering and approved by the Senate of KDU, **OR**
  - d. A four-year engineering degree in Engineering specialized in Electrical & Electronic Engineering accredited under the Washington Accord where both relevance and equivalence is judged by the Faculty of Engineering and approved by the Senate of KDU, **OR**
  - e. Associate Membership or above of the Institution of Engineers Sri Lanka (IESL) **AND** a minimum of one year of appropriate experience after obtaining such membership as approved by the Faculty of Engineering and approved by the Senate of KDU.

## COURSE SYLLABUS

6. The programme includes nineteen (19) mandatory subject modules. A credit is defined as having 15 hours of interactive class room sessions or 30 to 45 hours of practical and other time work including assignments.

A take home assignment of approximately 3000 words on a research question from all subject modules will be given.

A candidate is required to complete all 19 compulsory subject modules, the dissertation (15 Credits) obtaining total of 67 credits to complete the programme.

## PROGRAMME STRUCTURE

7. Candidates are required to earn 67 credits including the credits allocated to the dissertation within two academic years to obtain the Masters Degree in Security & Strategic

Studies or complete the academic requirements including a mini dissertation in the first year to obtain the Postgraduate Diploma in Security & Strategic Studies. Any violation of rules and regulations stipulated by KDU on conduct and discipline will lead to the cancellation of studentship.

8. The duration of the Masters programme is four semesters (two academic years) and class sessions are conducted on every other weekend of other than in public holidays from 0830 hrs to 1730 hrs.

## MSc Degree in Security & Strategic Studies Programme – Summary of the Course Delivery Plan

<b>MSc in Security &amp; Strategic Studies Programme</b>		
<b>Code</b>	<b>Subject</b>	<b>Credits</b>
<b><u>Year 1 – Semester 1</u></b>		
MScSS 1013	Evolution of the Modern International System	3
MScSS 1023	Geopolitics and Strategy	3
MScSS 1032	Defence Economics Strategy	2
MScSS 1042	Intelligence and National Security Strategy	2
MScSS 1052	Comparative Politics	2
MScSS 1063	Maritime Security	3
		<b><u>15</u></b>
<b><u>Year 1 – Semester 2</u></b>		
MScSS 2074	Research Methodology and Writing	4
MScSS 2082	Introduction to Security & Strategic Studies	2
MScSS 2093	Civil-Military Relations	3
MScSS 2102	National and International Security	2
MScSS 2114	Countering Terrorism : Theory & Practice	4
		<b><u>15</u></b>
<b><u>Year 2 – Semester 1</u></b>		
MScSS 3123	Military History of Sri Lanka	3
MScSS 3133	Concepts of Warfare & History of World Major Conflicts	3
MScSS 3143	Defeating Terrorism: The Sri Lankan Experience	3
MScSS 3153	Development, Peace and Security	3
MScSS 3162	Contemporary Defence and Strategic Challenges to Sri Lanka	2
		<b><u>14</u></b>
<b><u>Year 2 – Semester 2</u></b>		
MScSS 4173	Diplomacy and Strategic Communication	3
MScSS 4182	The Second Nuclear Age: Nuclear Weapons & their Strategic use in 21 <sup>st</sup> Century	2
MScSS 4193	Humanitarian Intervention & Peace Support Operations	3
		<b><u>8</u></b>
MScSS 5201	<b>Dissertation</b>	<b><u>15</u></b>
	<b>Total</b>	<b><u>67</u></b>

## LECTURER PANEL

- 1. Prof A Jayawardena**  
*PhD in University of Washington, MA in UOC, BA (University of Ceylon)*
- 2. Prof I De Silva**  
*PhD (ANU), MA (ANU), BDevS (Hons.) (University of Colombo)*
- 3. Prof WI Siriweera**  
*PhD (London), D Lit (nc) (Rajarata), DCS (nc) (Wayamba)*
- 4. Ambassador Ravinatha Ariyasinghe**  
*Additional Secretary (Ministry of Foreign Affairs)*
- 5. Dr H Vidanage**  
*PhD in Politics (UK), BA (Hons) in Political Science in UOC*
- 6. Admiral (Rtd) Prof JSK Colombage RSP ndc psc**  
*PhD (KDU), MSc in IR, Bsc*
- 7. Dr DS Panagoda**  
*PhD, LL.M, MBA, Attorney-at-Law*
- 8. Mr KSC de Silva**  
*MA in International Relations (Colombo, PGD in IR), BA (Hons) (Kelaniya)*
- 9. Maj Gen (Rtd) GVDUA Perera RWP RSP VSV USP USAWC psc**  
*MSc in Defence & Strategic Studies (India), MSc in Strategic Studies (USA)*
- 10. Brig RGU Rajapakshe RSP psc**  
*BSc (DS) KDA, MSc (DS) Kelaniya, MASSS (NDU) Washington DC*
- 11. Brig (Rtd) R Jayasinghe USP LOM FCPM psc**

12. **Maj Gen IHMNN Herath RSP USP psc**  
*MSc Defence Studies (Kelaniya), MSc National Security Affairs(USA)*
13. **Maj Gen (Rtd) JR Kulathunga RSP ndc psc**  
*MA in IR (Philippines), PGDip in Strategic & Defence Studies*
14. **Captain R Joseph RSP USP NWC psc MCPS**  
*MSc in MCPS (Colombo), PGDip Security & Strategic Studies (USA)*
15. **Mr S Satheesmohan**  
*MA in International Peace Studies (UPEACE), BA (Peradeniya)*
16. **Mr WASMAI Senavirathna**  
*MA in IR (Colombo), BA (Peradeniya)*
17. **Ms WB Senaratne**  
*MA in IR (CMB), BA (Colombo)*
18. **Ms S Jayarathne**  
*MSc in IR, BSc*



## COURSE FEE STRUCTURE

Item	Amount	
	Military/Police/MOD	Civil
Tuition Fee	Rs. 225,000.00	Rs. 250,000.00
Registration Fee - 3 Years (Initial Registration)	Rs. 4,000.00	Rs. 5,000.00
Library Fees	Rs. 2,000.00	Rs. 2,000.00
Refundable Library Deposit	Rs. 10,000.00	Rs. 10,000.00
Refundable Mess Deposit	Rs. 2,000.00	Rs. 2,000.00
<b>Total</b>	<b>Rs. 243,000.00</b>	<b>Rs. 269,000.00</b>

### Registration Renewal Fee

1 <sup>st</sup> Year after initial registration	-	Rs. 12,500/=
2 <sup>nd</sup> Year after initial registration period	-	Rs. 25,000/=
Continuation to another additional year under any circumstances	-	Rs. 100,000/=

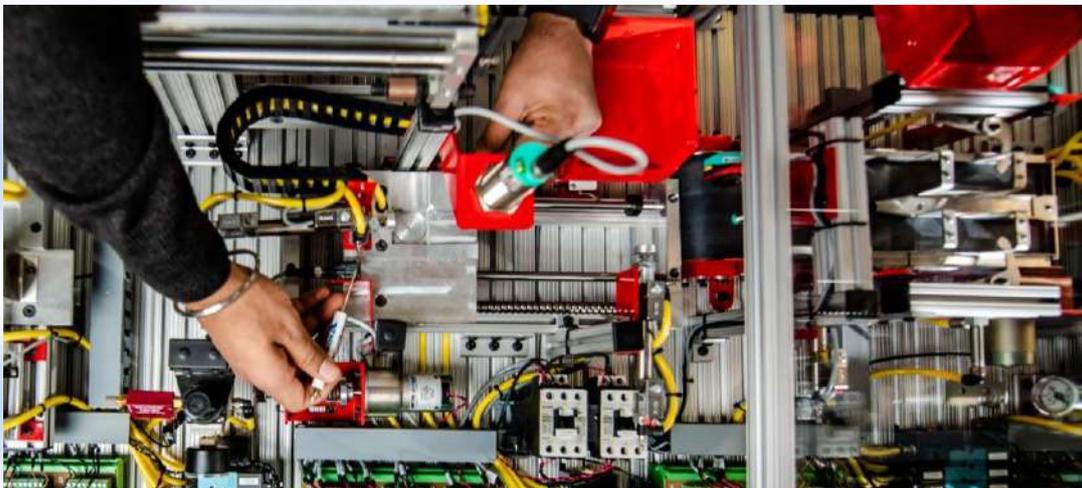
### Repeat Examination Fee

For entire semester	-	Rs. 2,500/=
For one subject	-	Rs. 1,000/=
Repeat Thesis Defence		
Viva-Voce Fee	-	Rs. 11,500/=

# MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

## INTRODUCTION

1. Faculty of Graduate Studies in collaboration with the Department of Electrical, Electronics & Telecommunication Engineering offers MSc in Electrical Engineering. This postgraduate programme is conducted on Saturdays and Sundays for a period of one/two years. The first year is dedicated for taught course modules and second year is for the research project. The programme covers advanced topics in electrical engineering.
2. Programme has been designed in accordance with the Sri Lankan Qualification Framework, published by the Ministry of Higher Education and its academic standard is equivalent to Sri Lanka Qualifying level 10. It has been designed by a panel of senior academics and professionals from reputed universities/institutions in Sri Lanka ensuring a high academic standard to facilitate participants to complete MSc in Electrical Engineering Degree in two years whilst being employed. The medium of instructions is English and all the lectures are webcast through the m-learning platform of FGS, KDU.



## OBJECTIVES

3. To produce a high quality Electrical Engineering professional who is capable of;
  - a. Analyzing and solving complex engineering problems through a process of creative and innovative thinking,
  - b. Planning and utilizing resources efficiently for sustainable development,
  - c. Developing, conducting and managing engineering projects fulfilling national, social and environmental concerns,
  - d. Adapting to changing environment through self-learning and research,
  - e. Functioning as a socially responsible senior professional.

## INTENDED LEARNING OUTCOMES

4. To produce Electrical Engineering professionals with the ability to,
  - a. Investigate, analyze and solve complex problems in Electrical Engineering by applying knowledge of basic science, engineering fundamentals and in-depth technical competence,
  - b. Function effectively as a leader or manager or as an effective team member in multi-disciplinary and multi-cultural teams contributing to the community at large,
  - c. Evaluate the impact of professional solution in societal and environmental context while adhering to engineering standards, practices and ethics, recognizing the need for sustainable development in designing Engineering solutions for national and international requirements,
  - d. Engage in independent and lifelong learning in the context of technological changes.

## ELIGIBILITY CRITERIA

5. Applicants satisfying the following requirements are eligible for admission:
  - a. Bachelor of Science Degree in Defence Studies or Bachelor of Science in Engineering of General Sir John Kotelawala Defence University (KDU) in a relevant field of specialization **or**,
  - b. Any other Engineering degree of at least four years' duration, in a relevant field of specialization, from a recognized university **or**,
  - c. Any other Engineering degree of at least three years' duration, in a relevant field of specialization, from a recognized university **AND** a minimum of one year of appropriate experience after obtaining the degree **or**,
  - d. Associate Membership or above (satisfying the educational requirements for Corporate Membership or similar graduate membership) of a recognized professional engineering institute in a relevant field **AND** a minimum of one year of appropriate experience after obtaining such membership **and**
  - e. Candidates are required to possess satisfactory skills in English language.

## COURSE SYLLABUS

6. The programme includes eleven (11) mandatory subject modules and five (05) optional subject modules. A credit is defined as having 15 hours of interactive class room sessions or 30 to 45 hours of practical and other time work including assignments.

A take home assignment of 3000 words on a research question from all subject modules will be given.

A candidate is required to complete all 11 compulsory subject modules, the dissertation and 3 optional subject modules out of 5 subject modules.

## PROGRAMME STRUCTURE

7. The programme is designed with 40 credits for PG diploma in the first year and additional 20 credit research project leading to MSc in second year. The classes are conducted on every other weekend of other than in public holidays from 0830 hrs to 1730 hrs.

## MSc in Electrical Engineering Programme - Summary of the Course Delivery Plan

MSc in Electrical Engineering Programme					
Code	Course Unit	Credits	Elective Credits	Lecture (Hrs)	Lab/Assig. (Hrs)
<b>Semester I</b>					
EE 9013	Statistical & Numerical Methods	3		40	15
EE 9022	Research Methodology I	2		30	0
EE 9034	Project Management	4		50	30
EE 9043	Advanced Power System	3		40	15
EE 9053	Controlled Drivers	3		40	15
EE 9062	Energy Efficiency, Demand Management & Conservation	2		30	0
<b>Optional</b>					
ET 9072	Artificial Intelligence Techniques		3	40	15
EE 9073	Renewable Energy Development		3	40	15
				350	120
<b>Semester II</b>					
EE 9113	Operation Research	3		40	15
EE 9122	Research Methodology II	2		30	
EE 9133	Power Electronic Designs	3		40	15
EE 9143	Smart Technologies in Power Systems	3		40	15
EE 9153	Design Aspects of Electrical Installations	3		40	15
<b>Optional</b>					
ET 9143	Information Security and Cryptography		3	40	15
EE 9163	Microcontrollers, PLCs & Embedded Systems		3	40	15
EE 9183	Energy Economics		3	40	15
		<u>31</u>	<u>9/15</u>		
EE 9999	<b>Dissertation</b>	<u>20</u>			
	<b>Total</b>	<u>60</u>			

## LECTURER PANEL

1. **Prof HYR Perera**

*Dr Ing (Aachen), (Eng), MIE (Sri Lanka), BSc Eng (Sri Lanka, Dip Ing (Aachen)*

2. **Prof AS Karunananda**

*PhD (UK), MPhil (OUSL), BSc (Hons)*

3. **Prof I De Silva**

*PhD (ANU), MA (ANU), BDevS (Hons.) (University of Colombo)*

4. **Prof JP Karunadasa**

*PhD (Manch), MSc (Manch), BSc Eng (Moratuwa), CEng, MIE (SL)*

6. **Dr TL Weerawardena**

*PhD (Bremen), MSc (Bremen), BSc Eng (Moratuwa), MIEEE, AMIE (SL)*

7. **Dr D Nayanasinghe**

*PhD (NTU Singapore), BSc Eng (Moratuwa)*

8. **Dr U Premarathna**

*PhD (Melbourne), M.E.Sc (western Ontario), BSc (Eng) Moratuwa*

9. **Dr U Hemapala**

*PhD in Industrial Robotics (University of Geneva, Italy), BSc Eng in UOC*

10. **Dr B Jayasekara**

*PhD (Saga), MSc (Moratuwa), BSc Eng (Moratuwa)*

11. **Dr LWPR Udayanga**

*PhD, MSc in Photonics Communication (University of Nottingham in United Kingdom), BSc Eng (University of Moratuwa)*

12. **Dr RMKT Tathnayake**

*PhD (University of Wuhan China), MSc in Stat (University of Wuhan China), BSc Eng (University of Ruhuna)*

13. **Dr M Vithanage**

*PhD (University of Copenhagen Denmark), MSc (University of Peradeniya), BSc Eng (University of Sabaragamuwa)*

14. **Mr BNIFA Wickramasuriya**

*MEng (AIT Thailand), BSc Eng (Moratuwa), PGD in Business Adm.*

15. **Mr A Wijaypala**

*BSc Eng (Hons) MEng IntPEng, CEng, FIE (SL)*

16. **Mr S Samarasekara**

*BSc Eng (Moratuwa), PhD Candidate (University of Melbourne 2014)*

17. **Mr WA Gunarahna**

*BSc in Mathematics in UOP*

18. **Mr A Thilakarathna**

*BSc (Engineering, UOM)*

19. **Mr S Bogahawatta**

*MEng (Moratuwa), MIESL, CEng*

20. **Mr B Hettige**

*MPhil (University of Moratuwa), BSc Engineering (University of J'pura)*

## COURSE FEE STRUCTURE

Item	Amount	
	Military/Police/MOD	Civil
Tuition Fee	Rs. 350,000.00	Rs. 350,000.00
Registration Fee - 3 Years (Initial Registration)	Rs. 4,000.00	Rs. 5,000.00
Library Fees	Rs. 2,000.00	Rs. 2,000.00
Refundable Library Deposit	Rs. 10,000.00	Rs. 10,000.00
Refundable Mess Deposit	Rs. 2,000.00	Rs. 2,000.00
<b>Total</b>	<b>Rs. 368,000.00</b>	<b>Rs. 369,000.00</b>

### Registration Renewal Fee

1 <sup>st</sup> Year after initial registration	-	Rs. 12,500/=
2 <sup>nd</sup> Year after initial registration period	-	Rs. 25,000/=
Continuation to another additional year under any circumstances	-	Rs. 100,000/=

### Repeat Examination Fee

For entire semester	-	Rs. 2,500/=
For one subject	-	Rs. 1,000/=
Repeat Thesis Defence		
Viva-Voce Fee	-	Rs. 11,500/=

# MASTER OF SCIENCE IN CIVIL AND STRUCTURAL ENGINEERING

## INTRODUCTION

1. Faculty of Graduate Studies in collaboration with the Department of Civil Engineering offers MSc in Civil and Structural Engineering. The programme is conducted over four semesters on both every other Saturdays and Sundays for a duration of one / two years. Taught course modules are covered in the first two semesters and the research component commences from the third semester onwards. It is required to have minimum 50% attendance for taught course component in order to sit for the examination. The programme covers advanced topics in Civil Engineering with the specialization in Structural Engineering.

2. Programme has been designed in accordance with the Sri Lankan Qualification Framework, published by the Ministry of Higher Education and its academic standard is equivalent to Sri Lanka Qualifying level 10. It has been designed by a panel of senior academics and professionals from reputed universities/institutions in Sri Lanka ensuring a high academic standard to facilitate participants to complete MSc in Civil and Structural Engineering Degree in two years whilst being employed. The medium of instructions is English and all the lectures are webcast through the m-learning platform of FGS, KDU.



## OBJECTIVES

3. To produce high quality professional Civil Engineers who are capable of;
  - a. Applying advanced engineering knowledge in the real-world problems within their chosen area.
  - b. Planning and utilizing resources in an efficient, economical and environment friendly manner leading to sustainable development.
  - c. Formulating optimum solutions for complex civil engineering problems with the use of mathematical models.
  - d. Applying a broad range of multidisciplinary skills necessary to accomplish professional objectives in the dynamic technological world.
  - e. Fostering the acquisition and implementation of a broad range of research and analytical skills related to Civil and Structural Engineering with the safety and sustainability of the structures as primary concerns.

- f. Evaluating the outcomes and impacts of complex civil engineering projects in order to adhere to the national, economic, social and environmental requirements.

## INTENDED LEARNING OUTCOMES

4. On successful completion of this degree programme, the students will be able to,
- Analyze and solve complex problems in Civil Engineering by applying engineering fundamentals, appropriate techniques and modern engineering tools.
  - Formulate and investigate engineering problems using research based knowledge and methods.
  - Design systems or components to solve complex engineering problems as an individual or a member / leader in diverse teams.
  - Assess societal, health, safety, legal, economic and environmental impacts of civil engineering projects with the aim of achieving sustainable development.
  - Engage in independent and lifelong learning in order to effectively function as a professional in the dynamic environment of engineering and technology.

## ELIGIBILITY CRITERIA

5. a. Degree of the Bachelor of Science (Defence Studies) in Civil Engineering at the General Sir John Kotelawala Defence University (KDU) **AND** a minimum of three years of appropriate experience as an Engineer as approved by the Faculty of Engineering, KDU, **OR**
- b. Degree of Bachelor of Science in Engineering specialized in Civil Engineering of at least four-years duration of the General Sir John Kotelawala Defence University (KDU), **OR**
- c. A Civil Engineering related degree of at least four-year duration from a state university in Sri Lanka where both relevance and equivalence is judged by the Faculty of Engineering and approved by the Senate of KDU, **OR**
- d. A four-year engineering degree in Engineering specialized in Civil Engineering accredited under the Washington Accord where both relevance and equivalence is judged by the Faculty of Engineering and approved by the Senate of KDU, **OR**
- e. Associate Membership or above of the Institution of Engineers Sri Lanka (IESL) in a relevant field **AND** a minimum of one year of appropriate experience after obtaining such membership as approved by the Faculty of Engineering and approved by the Senate of KDU.

## COURSE SYLLABUS

6. The programme includes twelve (12) mandatory subject modules and eight (08) optional subject modules. A credit is defined as having 15 hours of interactive class room sessions or 30 to 45 hours of practical and other time work including assignments.

A take home assignment of 3000 words on a research question from all subject modules will be given. A candidate is required to complete all 12 compulsory subject modules, the dissertation and 4 optional subject modules out of 8 subject modules.

## PROGRAMME STRUCTURE

7. The programme is designed with 40 credits for PG diploma in the first two semesters which includes a design component. An additional 20 credits are allocated for research project leading to MSc in third and fourth semesters. The classes are conducted on every other weekend of other than in public holidays from 0830 hrs to 1730 hrs.

### MSc in Civil & Structural Engineering Programme - Summary of the Course Delivery Plan

MSc in Civil & Structural Engineering Programme					
Code	Course Unit	Core Credits	Elective Credits	Evaluation	
				Assignment	Final Exam
<b>Semester I</b>					
CE9013	Advanced Water and Wastewater Treatment	03		30	70
CE9024	Advanced Reinforced Concrete Design	04		40	60
CE9033	Construction Project Management	03		40	60
CE9043	Water Resources Engineering	03		30	70
CE9053	Advanced Engineering Mathematics	03		30	70
CE9062	Advanced Bridge Engineering	02		30	70
CE9072	Introduction to Finite Element Methods		02	30	70
CE9082	Environmental Impact Assessment			30	70
CE9092	Introduction to Nonlinear Analysis of Structures			30	70
CE9102	Advanced Pre-stressed Concrete Design			40	60
<b>Semester II</b>					
CE9113	Advanced Survey Engineering	03		30	70
CE9123	Advanced Steel Design	03		30	70
CE9133	Research Methodology	03		100	-
CE9144	Highway Design & Transportation Engineering	04		30	70
CE9153	Advanced Foundation Engineering	03		50	50
CE9162	Advanced Structural Dynamics	02		30	70
CE9172	Design of Hydraulic Structures		02	30	70
CE9182	Municipal Solid Waste Management			30	70
CE9192	Very Long Base Informatory (VLBI)			30	70
CE9202	Advanced Cost Management			50	50
	<b>Total</b>	<b>36</b>	<b>04</b>		
<b>Semester III &amp; IV</b>					
CE9900	<b>Dissertation (for MSc)</b>	<b>20</b>		100	-

## LECTURER PANEL

1. **Prof SS Wickramasuriya**

*PhD (UNSW), BSc Eng (SL), CEng, MIE (SL)*

2. **Prof I De Silva**

*PhD (ANU), MA (ANU), BDevS (Hons.) (University of Colombo)*

3. **Dr (Mrs) WDCK Fernando**

*PhD (University of Moratuwa), M. Eng in Environmental Water Resources Engineering and Management (University of Moratuwa), B.Sc Engineering (Hons) Degree, First Class (University of Moratuwa), Associate Member, Institution of Engineers, Sri Lanka, Staff and Educational Development Association, SEDA UK, Certificate of Teaching in Higher Education, CTHE Colombo*

4. **Dr HLDMAJ Samaranayake**

*PhD (University of Moratuwa), M. Eng in Highway and Traffic, B.Sc Engineering (University of Moratuwa)*

5. **Dr AH Lakmal**

*PhD (LNTU, China), MSc in GIS & RS (Peradeniya), BSc (Hons) in Surveying Sciences (ISMD), MSISL, MIEEE*

6. **Dr (Ms) TWKIM Dias**

*PhD (Kansas, USA), MSc (Moratuwa), BSc. Eng (Hons) (Moratuwa)*

7. **Dr (Mrs) N Sirirsoma**

*PhD (Moratuwa), BSc Eng. Hons (Moratuwa), C.Eng, CMILT (UK), MITE (US), MIE (SL)*

8. **Dr S Lewangamage**

*PhD (Tokyo), BSc Eng. Hons. (Moratuwa), M Eng. (Tokyo), C.Eng, MIE (SL)*

9. **Dr PAK Karunananda**

*Dr Eng. (Ehime), MPhil (Peradeniya), BSc Eng. (Hons) (Peradeniya), MEng. (Ehime)*

10. **Dr RU Halwatura**

*PhD (Structural and Building Services Engineering) (University of Moratuwa), BSc Engineering, First Class Honours (University of Moratuwa)*

11. **Dr TMRMB Samarakoon**

*Doctor of Philosophy, Graduate School of Science and Engineering (Saitama University, Japan), MSc in Engineering (Asian Institute of Technology, Bangkok), BSc in Engineering (Civil Engineering) (University of Peradeniya)*

12. **Dr GGT Chaminda**

*PhD Eng (Tokyo), M. Eng (AIT), BSc Eng. Hons. (Peradeniya)*

13. **Dr C Mallikaracchchi**

*PhD (University of Cambridge), BSc Engineering (University of Moratuwa)*

14. **Eng R Sugathadasa**

*MSc.Eng (Moratuwa), MBA (Colombo), BSc Eng (Hons) (Moratuwa), MIE (SL), MILT (UK), CEng, PMP (USA)*

15. **Ms DP Perera**

*MBA in Project Management (University of Moratuwa), BSc in IT (UK), Dip in Computer System (NIBM)*

16. **Eng BHJ Pushpakumara**

*MPhil in Stuctural Eng (University of Ruhuna), MSc Eng (University of Ruhuna), MBA (Colombo), BSc Eng (Hons) (Moratuwa), MIE (SL), MILT (UK), CEng, PMP (USA)*

## COURSE FEE STRUCTURE

Item	Amount	
	Military/Police/MOD	Civil
Tuition Fee	Rs. 350,000.00	Rs. 350,000.00
Registration Fee - 3 Years (Initial Registration)	Rs. 4,000.00	Rs. 5,000.00
Library Fees	Rs. 2,000.00	Rs. 2,000.00
Refundable Library Deposit	Rs. 10,000.00	Rs. 10,000.00
Refundable Mess Deposit	Rs. 2,000.00	Rs. 2,000.00
<b>Total</b>	<b>Rs. 368,000.00</b>	<b>Rs. 369,000.00</b>

### Registration Renewal Fee

1 <sup>st</sup> Year after initial registration	-	Rs. 12,500/=
2 <sup>nd</sup> Year after initial registration period	-	Rs. 25,000/=
Continuation to another additional year under any circumstances	-	Rs. 100,000/=

### Repeat Examination Fee

For entire semester	-	Rs. 2,500/=
For one subject	-	Rs. 1,000/=
Repeat Thesis Defence		
Viva-Voce Fee	-	Rs. 11,500/=

# MASTER OF SCIENCE IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

## INTRODUCTION

1. Faculty of Graduate Studies in collaboration with the Department of Electrical, Electronics & Telecommunication Engineering offers MSc in Electronics and Telecommunication Engineering. This postgraduate programme is conducted on Saturdays and Sundays for a period of one/two years. The first year is dedicated for taught course module and second year is for the research project. The programme covers advanced topics in Electronics and Telecommunication Engineering.

2. Programme has been designed in accordance with the Sri Lankan Qualification Framework, published by the Ministry of Higher Education and its academic standard is equivalent to Sri Lanka Qualifying level 10. It has been designed by a panel of senior academics and professionals from reputed universities/institutions in Sri Lanka ensuring a high academic standard to facilitate participants to complete MSc in Electronics and Telecommunication Engineering Degree in two years whilst being employed. The medium of instructions is English and all the lectures are webcast through the m-learning platform of FGS, KDU.



## OBJECTIVES

3. To produce high quality Electronics and Telecommunication Engineering professional who is capable of;
- Analyzing and solving complex engineering problems through a process of creative and innovative thinking,
  - Planning and utilizing resources efficiently for sustainable development,
  - Developing, conducting and managing engineering projects fulfilling national, social and environmental,
  - Adapting to changing environment through self-learning and research,
  - Functioning as a socially responsible senior professional.

## INTENDED LEARNING OUTCOMES

4. To produce Electronics and Telecommunication Engineering professionals with the ability to,
  - a. Investigate, analyze and solve complex problems in Electronics and Telecommunication Engineering by applying knowledge of basic science, engineering fundamentals and in-depth technical competence,
  - b. Function effectively as a leader or manager or as an effective team member in multi-disciplinary and multi-cultural teams contributing to the community at large,
  - c. Evaluate the impact of professional solution in societal and environmental context while adhering to engineering standards, practices and ethics, recognizing the need for sustainable development in designing Engineering solutions for national and international requirement,
  - d. Engage in independent and lifelong learning in the context of technological changes.

## ELIGIBILITY CRITERIA

5.
  - a. Degree of Bachelor of Science (Defence Studies) in Electrical / Electronic Engineering at the General Sir John Kotelawala Defence University (KDU) **AND** a minimum of three years of appropriate experience as an Engineer as approved by Faculty of Engineering, KDU, **OR**
  - b. Degree of Bachelor of Science in Engineering specialized in Electronic & Telecommunication Engineering of at least four-year duration of the General Sir John Kotelawala Defence University (KDU), **OR**
  - c. Electronic & Telecommunication Engineering related degree of at least four-year duration from a state university in Sri Lanka where both relevance and equivalence is judged by the Faculty of Engineering and approved by the Senate of KDU, **OR**
  - d. A four-year engineering degree in Engineering specialized in Electronic & Telecommunication Engineering accredited under the Washington Accord where both relevance and equivalence is judged by the Faculty of Engineering and approved by the Senate of KDU, **OR**
  - e. Associate Membership or above of the Institution of Engineers Sri Lanka (IESL) **AND** a minimum of one year of appropriate experience after obtaining such membership as approved by the Faculty of Engineering and approved by the Senate of KDU.

## COURSE SYLLABUS

6. The programme includes eleven (11) mandatory subject modules and six (06) optional subject modules. A credit is defined as having 15 hours of interactive class room sessions or 30 to 45 hours of practical and other time work including assignments.

A take home assignment of 3000 words on a research question from all subject modules will be given.

A candidate is required to complete all 11 compulsory subject modules, the dissertation and 3 optional subject modules out of 6 subject modules.

## PROGRAMME STRUCTURE

7. The programme is designed with 40 credits for the PG diploma in the first year and an additional 20 credits research project leading to MSc in second year. The classes are conducted on every other weekend of other than in public holidays from 0830 hrs to 1730 hrs.

## MSc in Electronics & Telecommunication Engineering Programme - Summary of the Course Delivery Plan

MSc in Electronics & Telecommunication Engineering Programme					
Code	Course Unit	Credits	Elective Credits	Lecture (Hrs)	Lab/Assig. (Hrs)
<b>Semester I</b>					
EE 9013	Statistical & Numerical Methods	3		40	15
EE 9022	Research Methodology I	2		30	0
EE 9034	Project Management	4		50	30
ET 9013	Communication Technology	3		40	15
ET 9023	Modern Wireless Networks	3		40	15
ET 9043	VLSI Design and Nanotechnology	2		25	15
<b>Optional</b>					
ET 9053	Advanced Digital System Design		3	40	15
ET 9073	Artificial Intelligence Techniques		3	40	15
<b>Semester II</b>					
ET 9113	Communication Networks and Stochastic Simulation	3		40	15
ET 9123	Microwave, Optical & Radar Engineering	3		40	15
EE 9113	Operation Research	3		35	30
EE 9122	Research Methodology II	2		25	15
EE 9133	Power Electronic Designs	3		40	15
<b>Optional</b>					
ET 9133	Network Management & Planning		3	40	15
ET 9143	Information Security and Cryptography		3	40	15
BM 9113	Medical Electronic and Biomedical Instrumentation		3	40	15
ET 9144	Deep Learning		3	40	15
		31	9/18		
ET 9999	<b>Dissertation</b>	<b>20</b>			
	<b>Total</b>	<b>60</b>			

## LECTURER PANEL

1. **Prof HYR Perera**

*Dr Ing (Aachen), (Eng) MIE (Sri Lanka), BSc Eng (Sri Lanka), Dip Ing (Aachen)*

2. **Prof JP Karunadasa**

*PhD (Manch), MSc (Manch), BSc Eng (Moratuwa), CEng, MIE (SL)*

3. **Prof AS Karunananda**

*PhD (UK), MPhil (OUSL), BSc (Hons)*

4. **Prof I De Silva**

*PhD (ANU), MA (ANU), BDevS (Hons.) (University of Colombo)*

5. **Dr TL Weerawardena**

*PhD (Bremen), MSc (Bremen), BSc Eng (Moratuwa), MIEEEE, AMIE (SL)*

6. **Dr R Wijesiriwardane**

*PhD (UK), BSc Eng (Hons)*

7. **Dr A Pasqual**

*PhD (Tokyo), BSc Eng (Moratuwa), M Eng (Tokyo), MIEEEE, MACM*

8. **Dr U Premarathne**

*PhD (Melbourne), M.E.Sc (western Ontario), BSc (Eng) Moratuwa*

9. **Dr C Mallikaracchchi**

*PhD (University of Cambridge), BSc Engineering (University of Moratuwa)*

10. **Dr LWPR Udayanga**

*PhD, MSc in Photonics Communication (University of Nottingham in United Kingdom), BSc Eng (University of Moratuwa)*

11. **Dr S Thayaparan**

*PhD (University of Hong Kong), BSc Eng (University of Moratuwa)*

12. **Dr RMKT Tathnayake**

*PhD (University of Wuhan China), MSc in Stat (University of Wuhan China), BSc Eng (University of Ruhuna)*

13. **Dr M Vithanage**

*PhD (University of Copenhagen Denmark), MSc (University of Peradeniya), BSc Eng (University of Sabaragamuwa)*

14. **Eng Capt (Rtd) SU Dampage**

*BSc (Hons) (E E Eng), M Eng (E & T), C Eng, FIE*

14. **Mr S Bogahawatta**

*MEng (Moratuwa), MIESL, CEng*

15. **Mr AGTS Abagahawatta**

*MPhil (Moratuwa), BSc (Hons) (Moratuwa)*

16. **Mr S Samarasekara**

*BSc Eng (Moratuwa), PhD Candidate (University of Melbourne 2014)*



## COURSE FEE STRUCTURE

Item	Amount	
	Military/Police/MOD	Civil
Tuition Fee	Rs. 350,000.00	Rs. 350,000.00
Registration Fee - 3 Years (Initial Registration)	Rs. 4,000.00	Rs. 5,000.00
Library Fees	Rs. 2,000.00	Rs. 2,000.00
Refundable Library Deposit	Rs. 10,000.00	Rs. 10,000.00
Refundable Mess Deposit	Rs. 2,000.00	Rs. 2,000.00
<b>Total</b>	<b>Rs. 368,000.00</b>	<b>Rs. 369,000.00</b>

### Registration Renewal Fee

1 <sup>st</sup> Year after initial registration	-	Rs. 12,500/=
2 <sup>nd</sup> Year after initial registration period	-	Rs. 25,000/=
Continuation to another additional year under any circumstances	-	Rs. 100,000/=

### Repeat Examination Fee

For the entire semester	-	Rs. 2,500/=
For one subject	-	Rs. 1,000/=
Repeat Thesis Defence		
Viva-Voce Fee	-	Rs. 11,500/=

# MASTER OF SCIENCE IN DISASTER RISK REDUCTION AND DEVELOPMENT

## INTRODUCTION

1. The MSc in Disaster Risk Reduction and Development is offered by the Department of Social Sciences of the Faculty of Management, Social Sciences and Humanities. The programme will be conducted over four semesters on both Saturdays and Sundays for a duration of two years. Taught course modules will be covered in the first three semesters and the field work and research components will commence in the fourth semester. The proposed MSc will train disaster, development and humanitarian workers to engage at policy and practice levels to promote disaster risk reduction mechanisms, strategies, programmes and policies that lead to sustainable development. This MSc is designed to be compliant with the Sri Lanka Qualifications Framework (SLQF). The level of qualification of MSc (DRRD) is, Level 10 with 60 credits.



## OBJECTIVES

2. The programme is conducted with following objectives;
- To establish a Sri Lankan and South Asian community that actively contributes and leads the changing nature of DRRD.
  - To improve the employability and career progression of graduates in the field of disaster and development.
  - To offer a link from theory to practice with actual opportunities for teaching and learning in field sites.
  - To connect disaster and development sectors to establish a field of study that establishes more effective and efficient policy and practice.
  - To assist governing groups of the country to alleviate disaster issues in a prompt manner by improving human resources.

## INTENDED LEARNING OUTCOMES

3. On successful completion of the MSc (DRRD), the students will be able to;

- a. demonstrate critical awareness of current issues in the area of disaster risk reduction and development.
- b. apply techniques relevant to disaster risk reduction and development.
- c. deal with complex issues related to disasters systematically and creatively.
- d. make sound judgments on the subject area of disaster risk reduction and development and communicate these decisions clearly to specialist and non-specialist groups.
- e. demonstrate self-direction and originality in tackling and solving problems related to disaster risk reduction and development.
- f. plan and implement tasks related to disaster risk reduction and development in a professional manner.

## ELIGIBILITY CRITERIA

4. a. Eligibility criteria for MSc in Disaster Risk Reduction and Development Programme are as follows:

### *EITHER*

- b. Graduate of a recognized university with a first class honors or a second upper pass in a 4 year special degree
- c. Graduate of a recognized university with a second lower or a normal pass in a 4 year special degree with two (02) years work experience
- d. Graduate of a recognized university with a 3 year general degree with 1<sup>st</sup> or 2<sup>nd</sup> upper class degree with 1 year work experience
- e. Graduate of a recognized university with a 3 year general degree with 3 years work experience
- f. If he/she is a commissioned officer of the Tri services, he/she should be in the rank of Major/Lieutenant Commander/Squadron Leader or above, and in the case of applicant from the SL Police he/she should be a gazetted Police Officer (ASP and above).
- g. A commissioned officer or a Police Officer below the above ranks, with a basic degree can apply after 05 years of the effective date of the degree

### *OR*

- h. Any other academic or professional qualifications accepted by the Senate of KDU.

## COURSE SYLLABUS

5. Completion of SLQF level 10 meets the entry requirement to an MPhil degree in the same field of specialization. Early exit from this level is possible provided that the candidate has completed 40 credits (all the taught modules in semesters 1, 2 and 3). In such a situation, the qualification awarded shall be Postgraduate Diploma in the relevant field, which is at SLQF level 8.

## PROGRAMME STRUCTURE

6. The proposed MSc will train disaster, development and humanitarian workers to engage at policy and practice levels to promote disaster risk reduction mechanisms, strategies, programmes and policies that lead to sustainable development. This MSc is designed to be compliant with the Sri Lanka Qualifications Framework (SLQF). The level of qualification of MSc (DRRD) is, Level 10 with 60 credits.

### MSc in Disaster Risk Reduction and Development Programme - Summary of the Course Delivery Plan

Module Code	Module Name	Credits	Semester
DRRD 5113	Disaster and Development	3	1
DRRD 5123	Geology and Natural Disasters	3	
DRRD 5134	Models of Disaster Risk Reduction – 1	4	
DRRD 5143	Geo-informatics for Disaster Management	3	
DRRD 5214	Models of Disaster Risk Reduction – 2	4	2
DRRD 5223	Project Management	3	
DRRD 5231	Communication in Disasters	1	
DRRD 5243	Monitoring and Evaluation	3	
DRRD 5253	Geo-informatics Application	3	
DRRD 6314	Research Methods	4	3
DRRD 6323	Communities in Disaster	3	
DRRD 6333	Climate Change	3	
DRRD 6343	Urban and Rural Disasters	3	
DRRD 6415	Field Practicum	5	4
	Research and Dissertation	15	
<b>TOTAL CREDITS</b>		<b>60</b>	

## LECTURER PANEL

1. **Dr Padmakumara Jayainghe**

*PhD in Earth Sc (P'deniya), MSc in Environment Sc (P'deniya) BSc Sp (Hons) (P'deniya)*

2. **Dr AH Lakmal**

*PhD in Cartography and Geographic Info Eng (China) MSc in Geographic Information Systems and Remote Sensing (P'deniya), BSc in Surveying Sc.*

3. **Mr UWL Chandrapala**

*MSc in Civil Eng Hydro-Technical Construction, Dip in Water Supply and Water Mgt (UK)*

4. **Miss AKK Senevirathne**

*MSc Water Resource and Environmental Mgt (Netherlands) BSc in Geology (P'deniya) PgD in HRM (Kelaniya) Dip in International Relations (Bandaranaike Centre)*

5. **Mr Shanaka de Silva**

*MSc (Moratuwa) MBA (UK) Bsc in MIS (Ireland)*

6. **Lt Col ( Dr.) A Balasuriya**

*MBBS (Colombo) MSc (Commn Med) (Colombo), MD (Commn Med) FGDBS (Homagama) MA Kelaniya.*

7. **Mr K A D P K Kodippili**

*MSc in Disaster Management (Colombo), BSc (Agriculture) Hons (Ruhuna)*

## COURSE FEE STRUCTURE

Item	Amount	
	Military/Police/MOD	Civil
Tuition Fee	Rs. 250,000.00	Rs. 250,000.00
Registration Fee - 3 Years (Initial Registration)	Rs. 4,000.00	Rs. 5,000.00
Library Fees	Rs. 2,000.00	Rs. 2,000.00
Refundable Library Deposit	Rs. 10,000.00	Rs. 10,000.00
Refundable Mess Deposit	Rs. 2,000.00	Rs. 2,000.00
<b>Total</b>	<b>Rs. 268,000.00</b>	<b>Rs. 269,000.00</b>

### Registration Renewal Fee

1 <sup>st</sup> Year after initial registration	-	Rs. 12,500/=
2 <sup>nd</sup> Year after initial registration period	-	Rs. 25,000/=
Continuation to another additional year under any circumstances	-	Rs. 100,000/=

### Repeat Examination Fee

For entire semester	-	Rs. 2,500/=
For one subject	-	Rs. 1,000/=
Repeat Thesis Defence		
Viva-Voce Fee	-	Rs. 11,500/=

# BACHELOR OF SCIENCE IN MANAGEMENT PROGRAMME

## INTRODUCTION

1. The Faculty of Graduate Studies (FGS) at General Sir John Kotelawala Defence University (KDU) provides a rare opportunity to obtain a prestigious Bachelor's Degree qualification in Management. The programme covers a broad spectrum of management related subjects including all the key areas needed to become a successful manager and a leader. The programme is ideal for those whose current role requires enhanced managerial and leadership capabilities.

Moreover, the degree is designed in accordance with the Sri Lankan Qualification Framework, published by the Ministry of Higher Education and it is equivalent to Sri Lanka Qualifying Level 5. It is designed by a panel of senior academics and professionals from reputed universities / institutions in Sri Lanka ensuring a high academic standard to facilitate participants to complete BSc in Management in two years while in service. Lectures will be held on every other weekend at KDU and the rest of the learning is through assignments / independent learning carried out at the candidate's own convenience. The medium of instructions is English and all lectures are webcast through m-learning platform of FGS, KDU.



## OBJECTIVES

2. The BSc in Management programme has a clear professional approach and is well suited to the officers of Tri Services, Police and executive officers in public and private sector and professionals and practitioners in respective disciplines who wish to progress in their respective fields where an analytical focus is important. Further the programme;

- a. Develops an in-depth knowledge of the art in management,
- b. Develops the professional knowledge and skills of cross functional managers in any organization,
- c. Develops the skills necessary to align resources, improve communication, productivity and effectiveness,
- d. Enhances skills necessary for improved organizational effectiveness in dynamic and evolving work places.

## INTENDED LEARNING OUTCOMES AND EXPECTATIONS

3. On successful completion of this bachelor's degree, candidates will have enhanced their skills in,
  - a. Problem solving in management through the application of appropriate management theories, principles and data,
  - b. Communication of management and commerce related ideas, theories and solutions to peers and wider community,
  - c. Ethical practice through knowledge of cooperate governance processes and implementation,
  - d. Research skills including the retrieval of information from a variety of sources.

## ELIGIBILITY CRITERIA

4. A person is eligible for admission to the course of study leading to the BSc in Management Degree provided he / she meets one of the following conditions and the minimum credit requirement as per his / her qualifications prescribed in the clause 20 of the by-laws:
  - a. He / She is a commissioned officer in the rank of Captain in the Army / Lieutenant in the Navy / Flight Lieutenant in the Air Force or above, with a minimum of five (05) years of commissioned service.
  - b. He / She is a police officer in the rank ASP / CI / IP with a minimum of ten (10) years service in the department of Police.
  - c. Staff / Executive grade public and private sector executive officers with a minimum of seven (07) years executive / managerial experience in the Department or state service or private sector.

## COURSE SYLLABUS

5. The programme contains 16 compulsory subject modules. If a candidate intends to complete the BSc in Management programme, he / she is required to complete all 16 compulsory subject modules and the dissertation.

## PROGRAMME STRUCTURE

6. The programme is designed with a total number of 90 credits and the total duration is three years. Candidates are required to earn 90 credits including 20 credits granted for their professional experience / service which exempt the candidates from first year studies and 20 credits for their dissertation without any violation of rules and regulations stipulated by KDU on conduct and discipline to obtain BSc in Management degree.

With the exempted first year, the rest of the subject modules are to be completed within two years and classes are conducted on every other weekend other than public holidays from 0830 hrs to 1730 hrs.

## Bachelor of Science in Management Programme - Summary of the Course Delivery Plan

<b>BSc Degree in Management Programme</b>		
<b>Subject Code</b>	<b>Subject</b>	<b>Credit</b>
	<b><u>Year 1</u></b>	
	Professional Experience / Service	<b><u>20</u></b>
	<b><u>Year 2 –Semester 1</u></b>	
<b>BSM 1013</b>	Introduction to Info Technology	3
<b>BSM 1025</b>	Basic Mathematics & Statistics	3
<b>BSM 1033</b>	Economics (Micro / Macro)	3
<b>BSM 1043</b>	Principles Management	3
		<b><u>12</u></b>
	<b><u>Year 2 –Semester 2</u></b>	
<b>BSM 2044</b>	Research Methodology	4
<b>BSM 2053</b>	Financial Accounting	3
<b>BSM 2063</b>	Communication Skills	3
<b>BSM 2083</b>	National Security	3
		<b><u>13</u></b>
	<b><u>Year 3 –Semester 1</u></b>	
<b>BSM 3093</b>	Management Information System	3
<b>BSM 3103</b>	Organizational Behaviour	3
<b>BSM 3113</b>	Marketing Management	3
<b>BSM 3123</b>	Management Science	3
		<b><u>12</u></b>
	<b><u>Year 3 –Semester 2</u></b>	
<b>BSM 4133</b>	Human Resource Management	3
<b>BSM 4143</b>	Public Financial Management	3
<b>BSM 4153</b>	Operations Management	3
<b>BSM 4163</b>	Peace & Conflict Resolution	3
		<b><u>12</u></b>
<b>BSMR</b>	DISSERTATION	<b><u>20</u></b>
	<b>TOTAL CREDITS</b>	<b><u>90</u></b>

## LECTURER PANEL

**1. Prof C Pathirawasam**

*PhD (Tomas, BATa (C2), MSc (USJP), MBA (Shiga – Japan), BSc (Bus.Ad.) (USJP)*

**2. Prof Aruna Gamage**

*PhD (Meijo- Japan), MSc (USJP), BSc (USJP)*

**3. Dr Kumara Uluwatta**

*PhD in Applied Economics (Wuhan Unv) MSc (USJP) BSc (Bus.Ad.) (USJP,*

**4. Dr WMAGHA Premarathna**

*PhD (Saga, Japan), MA (Saga Japan) BA (Hons) (P'deniya*

**5. Dr (Mrs) HRWP Gunathilake**

*PhD in Computer Sc (UK) MSc in Information Technology, MSc in Operations Research, BSc, MCSSL*

**6. Dr UG Rajapaksha**

*PhD in Economics (Kelaniya), MBA (OUSL), BCom (Special) (USJP), AMA (ICMA)*

**7. Dr LP Kalansooriya**

*PhD in Eng Info Sc and Control Eng (Nagaoka Unv -Japan), Masters in Information Technology (Colombo) BSc (Peradeniya)*

**8. Maj Gen (Retd) GVDUA Perera RWP RSP VSV USP USAWC psc**

*MSc (Unv Madras), PG Mgt and Strategic Studies (Unv Kelaniya) PG In Counter Terrorism (Wellington Indiya), Dip In Senior Level Defence Management*

**9. Mr JMW Premarathna**

*MPhil (Econ) (Kelaniya) MA (Econ) (P'deniya) BA (Econ) (Rjt) MILT*

**10. Mr HMN Herath**

*MA in Peace Studies (USA) MA in Conflict Peace and Development Studies (Nepal), BA in Peace and Conflict Resolution (Kelaniya)*

**11. Mrs MTN Wijetunge**

*MA (Kelaniya), MA (Colombo), BA (Hons) (Kelaniya), Dip French (Alliance Francaise) (Colombo), Cert in Business English*

**12. Miss DR Perera**

*MBA (PIM- USJP) LLM (Colombo) BSc (Hons) (UK) Attorney - at Law (SL)*

**13. Mr WSP Fernando**

*MPhil (Moratuwa) BSc Eng (Moratuwa)*

**14. Mr MMLC Gunathilaka**

*MBA Colombo PG Dip (SLIM) BBA*



## COURSE FEE STRUCTURE

Item	Amount	
	Military/Police/MOD	Civil
Tuition Fee	Rs. 175,000.00	Rs. 200,000.00
Registration Fee - 3 Years (Initial Registration)	Rs. 4,000.00	Rs. 5,000.00
Library Fees	Rs. 2,000.00	Rs. 2,000.00
Refundable Library Deposit	Rs. 10,000.00	Rs. 10,000.00
Refundable Mess Deposit	Rs. 2,000.00	Rs. 2,000.00
<b>Total</b>	<b>Rs. 193,000.00</b>	<b>Rs. 219,000.00</b>

### Registration Renewal Fee

1 <sup>st</sup> Year after initial registration	-	Rs. 12,500/=
2 <sup>nd</sup> Year after initial registration period	-	Rs. 25,000/=
Continuation to another additional year under any circumstances	-	Rs. 100,000/=

### Repeat Examination Fee

For entire semester	-	Rs. 2,500/=
For one subject	-	Rs. 1,000/=
Repeat Dissertation Defence		
Viva-Voce Fee	-	Rs. 11,500/=

# FACILITIES AND RESOURCES

## LIBRARY FACILITIES

1. Candidates who are registered in KDU to follow postgraduate degrees have access to library facilities at KDU. The Library enhances academic success by providing postgraduate students with access to high quality resources and services in aid of course work and researches. The prime role of the library is to provide a suitable learning environment and to facilitate a variety of resources in multiple disciplines/formats which enhance learning and research activities of the University.

2. The Library possesses a collection covering a vast area of knowledge in the Medical, Engineering, Economics, Management, Law, Geography and History. At present the library collection encompasses over 25000 books pertaining to various disciplines.



3. The KDU library provides excellent services such as inter library loan service, book reversion facilities and arrange membership in other libraries like British Council Library and American Centre Library and reference services for the betterment of the member.

4. Library provides following subscription databases and information networks to facilitate research activities of the University.

## SUBSCRIPTION DATABASES

- Individual society Membership for Institute of Electrical & Electronic Engineering (IEEE)
- Hinari Research Database
- Britannica online Academic edition
- Jstor Research Database - Trial version
- Ebscohost

## INFORMATION NETWORKS

- HELLIS – Health Literature Libraries and Information Services Network
- SLSTINET – Sri Lanka Scientific & Technical Information Net

## M-LEARNING PLATFORM



With the enhancement in new technologies at KDU the Faculty of Graduate Studies has introduced new m-learning platform for post graduate students. This package is benefitting for students who are unable to participate class room lectures due to their personal and official commitments. They can connect themselves to the lecture from their working/ living place live through m-learning package.

## INFRASTRUCTURE FACILITIES

**Modern Auditorium with 300 seating capacity**



**Lecture theaters with different seating capacity (16 no's)**

**30 students - 10  
48 students - 02  
60 students - 04**

## Computer laboratory



**Examination hall with 250 seating capacity**



**Suite rooms  
(anybody can book on application and payment)**



**Conference hall for board meetings**

## Roof top green and VIP room



## FOR CORRESPONDENCE

Address : The Faculty of Graduate Studies  
General Sri John Kotelawala Defence  
University  
P.O. Box 32  
Ratmalana  
SRI LANKA

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+94-11-2628654 }  
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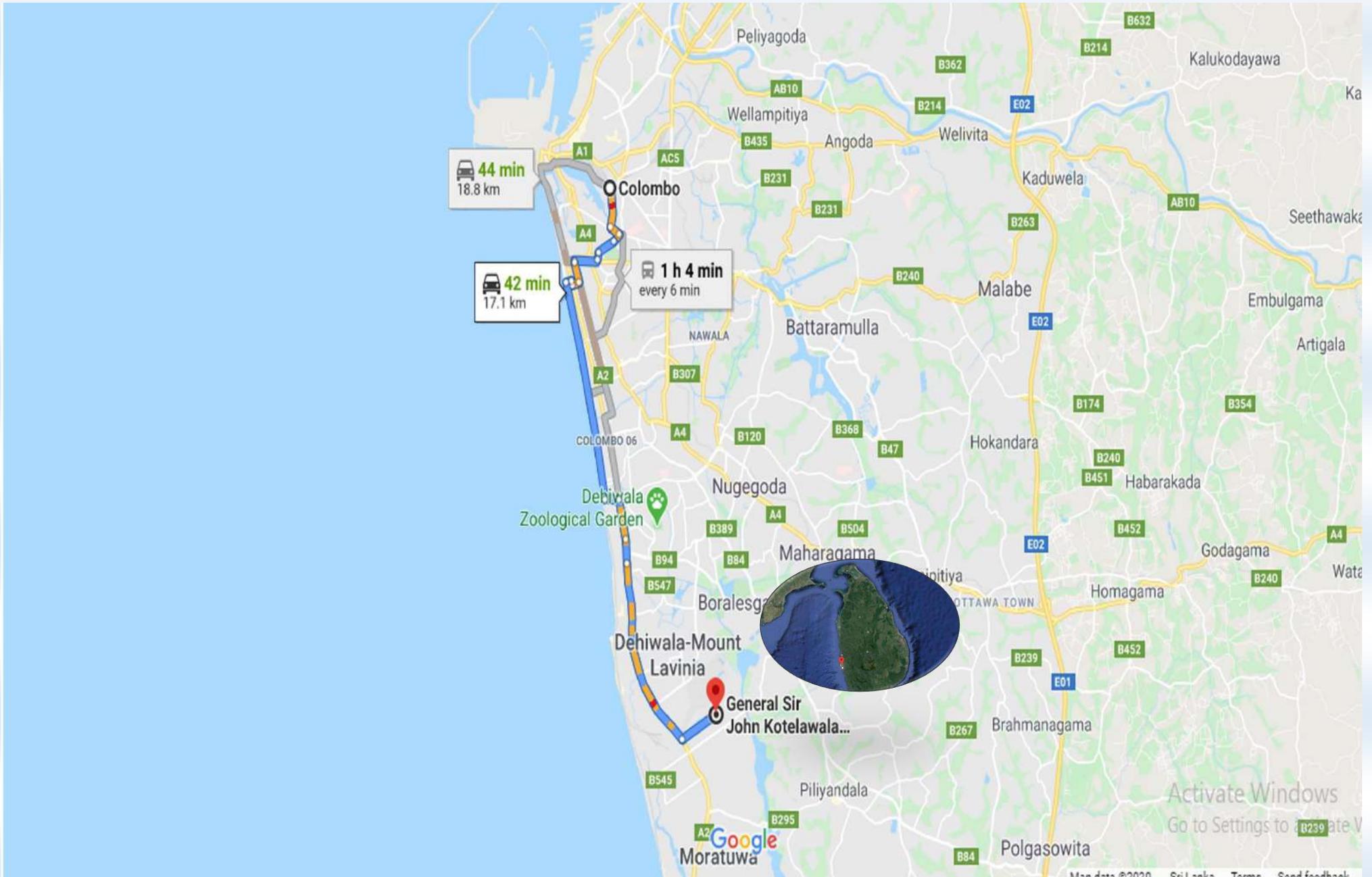
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‘who differentiate discipline on knowledge as wisdom’



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