



KIU



STUDENT HANDBOOK

Bachelor of Science Honours in Computer Networks and Cyber Security
Department of Computer Science
Faculty of Computer Science and Engineering



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VISION

Our aim is to enable students to experience an unparalleled educational journey that is intellectually, socially, and personally transformative, empowering with the highest quality appropriate to global needs.

MISSION

Contributing to social equity through the pursuit of education, learning research and innovation at the highest international levels of excellence.



KIU



FOREWORD

This handbook is for the use of new entrants of the Bachelor of Science Honours in Computer Networks and Cyber Security degree programme offered by KIU.

This handbook provides information and guidance to undergraduates, pertaining to their academic and non-academic activities. It contains useful information about the academic programme, study programme, assessment methods, course synopsis, faculty staff, dress code, general rules and regulations, examination rules and regulations, and other relevant information about KIU.

We extend a warm welcome and hope that you will pursue your academic activities at your best.

All the best!

Vice Chancellor

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1. ABOUT KIU AND GUIDE TO THE KIU

About KIU

KIU is a higher education institute established with a vision to expand higher education opportunities in Sri Lanka. Further the establishment attempts to fulfill higher education demands of prospective local and international students with an intention to be acknowledged as a “unique and most sought-after” higher education institution.

KIU offers undergraduate degrees in the areas of Nursing, KAATSU, Acupuncture, Biomedical Science, Human Resource, Marketing, Accounting, Psychology, Education, Software Engineering, Computer Networks and Cyber Security, Management Information System, and Business Analytics. KIU also offers postgraduate degrees in Nursing and Business Administration. These programmes will generate professionals who will have occupational demands and greater opportunities in job market both locally and internationally.

KIU with unique state-of-the-art facilities provides students with quality education by a panel of qualified academics in their respective disciplines. KIU envisage to design additional degree programmes to suit future needs in a range of disciplines and cater to the requirements of national and international students.

Faculties and Departments

Faculty of Nursing

- Department of Nursing Education
- Department of Research and Development
- Department of Clinical Nursing
- Department of Basic Sciences

Faculty of Health Sciences

- Department of Medical Science in KAATSU
- Department of Medical Science in Acupuncture
- Department of Biomedical Science
- Department of Psychology

Faculty of Management

- Department of Marketing
- Department of Accounting
- Department of Human Resource

Faculty of Education and Languages

- Department of Languages

Faculty of Computer Science and Engineering

- Department of Computer Science

Faculty of Graduate Studies

Student Liaison Office

All student affairs are managed by the Student Liaison Office. This unit coordinates all activities of students, from registration to convocation. Student Liaison Office provides logistical support for conducting lectures and examinations, working closely with academic departments and Examination Division.

Location : Level 3

Working hours : 8.00 am to 5.00 pm except on KIU published holidays.

Services provided to the students:

- Updating of personal information of students.
- Collection of medical/excuses for examination.
- Collection of assignments.
- Dissemination of information on timetables and regular updates on timetables.
- Issuance of letters related to student matters.
- Matters related to student facilities.
- Payments and any other issues related to their studies at KIU.

Contacts us on:

Email: studenthub@kiu.ac.lk

Telephone Numbers: (+94) 011 274 1878 Ext. 301,302,303,304

Examination Division

All examinations at KIU are conducted through the Examination Division. This division ensures credibility and confidentiality pertaining to all aspects of examinations conducted at KIU. The examinations division works closely with all academic departments of KIU in accordance with the rules and regulations as well as By-Laws related to the examinations.

Location : Level 4

Working hours : 8.00 am to 5.00 pm except on KIU published holidays.

Services:

- Preparing, coordinating and conducting examinations
- Maintaining repeats/ excuses for examinations
- Preparing and publishing results

Contact us on:

Email: examdept@kiu.ac.lk

Telephone Numbers: (+94) 011 274 1878 Ext. 402

Payment Counter/Cashier

Students can make payments to the payment counter/ cashier directly. A receipt will be provided by the cashier at the time of payment. In case if the student makes the payment to a bank, he/she shall adhere to the conditions laid on **Schedule 1 on Fees**.

Location : Level 2

Working hours : 8.00 am to 5.00 pm except on KIU published holidays.

Contact us on:

Telephone Numbers: (+94) 011 274 1878 Ext. 201

KIU Lecture Halls

KIU's lecture halls are equipped with modern audio and visual capabilities to create an immersive and modern studying experience . The prime objective of equipping the lecture halls with the very best of technology is to provide an environment within which students of KIU can blossom towards greater success. Lecture halls have been designed to provide ample room and every classroom is air conditioned so that students are provided with a comfortable setting for their studies.

Location : Level 2, Level 3, Level 4, Level 6 and Level 7

Terms and conditions on booking lecture halls for students and student bodies:

- Request for booking lecture halls and amenities (E.g. Microphones) should be submitted to the Student Liaison Office in writing a week prior to the scheduled program to obtain the approval of the Registrar.
- Lecture halls such obtained for any activity shall be handed over as it was prior to the scheduled program.
- Consuming of food and beverages inside the auditorium is strictly prohibited.
- If damages to property or amenities do occur in conducting such programs or events, the organizer/s shall be responsible for such damage and bear any damage claim and or disciplinary action instituted by KIU on this regard.

Library

The Library currently has a collection of approximately 5,000 volumes and a good collection of periodicals. The Library has access to internet via Wi-Fi. The e-library is an integral part of our main library where students in future can access e-books and download them for referencing and reading. Photocopying facilities is also available in the Library.

Location: Level 1

Working hours: 8.00 am to 5.00 pm except on KIU published holidays.

Terms and conditions for using the library and its facilities:

- Students shall wear the student ID issued by KIU for entering the library premises and shall sign the student record book kept at the library reception counter.
- Silence should be maintained during the library hours.
- Bags, cases, parcels, mobile phones, personal copies of books, umbrella, food and beverages shall not be brought inside the library.
- Seats cannot be reserved for other users.
- Prior written approval should be obtained from the librarian to take photographs inside the library.
- All the library materials should be protected.
- Any damages to the belongings of the library caused as a result of negligence or ignorance shall be borne by the perpetrator/s and bear any damage claim and or disciplinary action instituted by KIU on this regard.

Contact us on:

Telephone Numbers: (+94) 011 274 1878 Ext. 103

Study Area

Study areas for the students have been made available in different places in KIU. Students can also use spaces allocated at Level 2 and Level 4 for self studying and group discussions.

Guidelines:

- Students using these areas should not disturb the lectures/ exams that are being conducted in adjacent lecture halls.
- The chairs and tables should be put back in place after use.

IT Laboratories

There are three IT laboratories. Student computing facilities consist of Windows-enabled computers in an open lab setting for student use. Wi-Fi facilities and access to software programmes is possible at the Digital Laboratory.

Location: Level 4

Working hours: Will be made available upon request

Guidelines for using IT labs:

- Bags, food and beverages cannot be brought into the IT lab.
- Any accessories on the Computers (E.g. Key board and Mouse) cannot be exchanged between computers without the permission of the technician in charge of the laboratory.

Science Laboratories

There are two science laboratories which are well-equipped to provide students with an opportunity for hands-on practical experience. Students can also carry out their research activities using the instruments and other facilities available at these labs. The laboratory can accommodate up to 150 students at a time. Laboratory personnel will be on hand to assist any practical work carried out in the laboratory.

Location: Level 1 and Level 2

Working hours: Made available according to the timetables published. Research students can make use of the laboratory under the supervision of an academic staff.

Guidelines for using the laboratories:

- The laboratory can only be used after obtaining permission from the Head of the relevant department and under the supervision of a lecturer/ laboratory assistant.
- All basic laboratory rules and regulations should be followed when entering, exiting and using the laboratory.

Cafeteria

A reasonable variety of food and beverages can be purchased from the cafeteria of the institution during breakfast, lunch and supper times at reasonable prices.

Location: Level 1

Working hours: 7.00 am until the evening except on KIU published holidays.

Guidelines:

- Polythene use should be reduced as much as possible.
- Used tableware should be cleaned and placed in assigned places.
- Turn off the lights and fans before leaving the cafeteria.

Gymnasium

A state-of-the-art, well-equipped gymnasium with a professional trainer has been made available for the use of KIU students and staff. The gymnasium trains and instructs students in KAATSU and other exercise regimens.

Location: Level 6

Working hours: 8.00 am to 5.00 pm except on KIU published holidays.

Terms and conditions on using the gymnasium:

- Students are allowed to use the gymnasium under the guidance of the professional trainer.
- All the rules and regulations should be followed when entering, exiting and using the gymnasium.

- Any damages to the belongings of the gymnasium caused as a result of negligence or ignorance shall be borne by the perpetrator/s and bear any damage claim and or disciplinary action instituted by KIU on this regard.

Recreational Area

Facilities for table tennis, carom, chess, and scrabble are available at present. This area will be equipped with many other facilities for in-door activities in the months to come.

Location: Level 1

Auditorium

The state-of-the-art auditorium serves as one of the best facilities KIU has to offer. Seminars, workshops, symposiums, convocations, faculty development programmes are held in the auditorium regularly and it is further used for annual celebrations and all red-letter days of KIU. It features some of the best multimedia facilities as well as world class lighting and sound systems. The auditorium not only serves as a place of functionality but as a great inspiration in architectural design. The design ensures a passive cooling mechanisms used within the auditorium, ensuring comfort at even long duration events. Its unique design along with its proposed retractable seating capacity for 550 offers the possibility of the auditorium area being used for a myriad of purposes such as a conference hall or even as a banquet hall.

Location: Level 7

Terms and conditions on using the auditorium:

- Request for booking the Auditorium and amenities (e.g. microphones) should be submitted to the Student Liaison Office in writing a week prior to the scheduled event and obtain the approval of Registrar.
- Usage of AC is chargeable to the account of the event organizer/s.
- Consuming of food and beverages inside the auditorium is strictly prohibited.
- Auditorium such obtained for any activity shall be handed over as it was prior to the scheduled event.
- If damages to property or amenities do occur in conducting such programs or events, the organizer/s shall be responsible for such damage and bear any damage claim and or disciplinary action instituted by KIU on this regard.

Baby Room/Nursing Space

A space has been made available for nursing mothers to keep infants and children. On campus child care facility will ensure maximum security and safety for the children while the mothers are attending lectures.

Location: Level 7

Opening Days and Hours: will be made available upon request from the Student Liaison Office.

Guidelines on using baby rooms:

- Baby sitters should be brought from home.
- Turn off the AC and lights before leaving the baby room.

Contact us on:

Email: studenthub@kiu.ac.lk

Telephone Numbers: (+94) 011 274 1878 Ext. 301,302,303,304

Student Clubs/Societies/Activities

A number of student societies and clubs have registered and are conducting student activities at KIU. The registration for clubs and events will be coordinated by the Student Liaison Office. A proposal should be written by the students and sent through the lecturer in charge to be approved by the Registrar before permission can be obtained.

Contact us on:

Email: studenthub@kiu.ac.lk

Telephone Numbers: (+94) 011 274 1878 Ext. 301,302,303,304

Learning Management System

The Learning Management System (LMS) of KIU is structured with advanced and modern criteria to cover the entire academic procedures and processes such as student records, course details, time tables, exam schedule, finance. Currently this system is employed successfully in ongoing degree programmes. Students are given access to virtual learning environment through LMS which provides access to the course and course resources online, enables completing assignments and communicating with the instructor and so on.

Guidelines for using LMS:

- The access to individual student accounts shall be requested through the Student Liaison Office.
- Any technical difficulties in connecting to the LMS shall be informed to the IT department through the Student Liaison Office.

Contact us on:

Email: studenthub@kiu.ac.lk

Telephone Numbers: (+94) 011 274 1878 Ext. 301,302,303,304

Student Undergraduate Research Studies

In compliance with the SLQF requirements for higher education, all KIU students shall complete a research study with relevant number of credits allocated to each degree programme.

This is an opportunity to learn under the guidance of relevant academics while pursuing a topic of current interest with independent learning. Research studies should be selected in consultation with supervisors and if necessary other co-investigators, and it will be considered as a team effort where both the supervisors/co-investigators and students contribute.

Before starting any research work, all students should sign a consent form confirming the nature of his/her contribution to the research and also shall acknowledge the research as a property of KIU.

Every research proposal should go through KIU Research Unit (KRU) before applying (if necessary) to the Ethical Review Committee (ERC) and the decision of ERC is conveyed to the KRU and research team before initiating the research work.

The authorship of publications arising from such research conducted as a fulfillment of a degree at KIU will belong to both supervisors/ co-investigators and students. All publications from the research should carry names of undergraduates and supervisors involved with the affiliation as KIU. Students are hereby advised that authorship of a manuscript submitted to any journal is based on the following criteria.

- Substantial contributions to the conception or design of the work; or the acquisition, analysis, or interpretation of data for the work; OR
- Drafting the work or revising it critically for important intellectual content; OR
- Final approval of the version to be published; OR
- Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

Hence students are made aware that research is a team work and does not only belong to a student or student group.

In addition to being accountable for any one of the parts of the work he or she has done, an author should be able to identify which co-authors are responsible for specific other parts of the work.

On completion of research conducted by KIU graduates, it is mandatory that the findings should be submitted to a peer review journal as a full empirical research paper and must be submitted to a professional scientific forum **within one year** of completion of the research.

If a student/s is/are unable to meet the timelines, they shall apply for an extension through supervisor/s to the KRU, giving reasons in writing, 90 days prior to the one year grace period allowed and KRU shall reply to such students within seven (07) working days regarding the approval or denial of their extension request. If the student/s are unable to meet the required activities related to the research as mentioned above, they will lose their rights over that particular research and shall not have any right over publications arising from it but student/s will be credited for their contribution to the research in the event of publications or presentations at conferences.

2. ACADEMIC PROGRAMME

About the Degree Programme

BACHELOR OF SCIENCE HONOURS IN COMPUTER NETWORKS AND CYBER SECURITY BSCHONS (COMP NET & CYBER SEC)

This was designed and developed based on undergraduate curriculum guidelines for five defined sub-disciplines of computing, of Association for Computing Machinery (ACM), along with leading professional and scientific computing societies around the world including the Institute of Electrical and Electronics Engineers (IEEE), Institute of Electrical and Electronics Engineers Computer Society (IEEE CS), British Computer Society (BCS) and Australian Computer Society (ACS). Therefore, the content of the degree program will be up to date and relevant to offer innovative educational products.

Medium of Instruction

The medium of instruction and assessments will be English. English Language skill will be developed at the beginning of the programme through a continuing education course in English. This is seen as an essential element for undergraduates to prepare them towards meeting the local and international career demands whilst positioning as an equal-opportunity professional career in the field of Computer Networks and Cyber Security.

University Grants Commission Recognized / Ministry of Higher Education Approved Degree Programme

KIU is a Higher Education Institute accredited by the Ministry of Higher Education and recognized by University Grants Commission of Sri Lanka, under section 25 A of the Universities Act No.16 of 1978. Therefore, the Bachelor of Science Honours in Computer Networks and Cyber Security degree programme offered by KIU is a recognized degree program anywhere in the world for its quality and content. The Bachelor of Science Honours in Computer Networks and Cyber Security degree programme has been approved by the gazette notification number no. 2268/89 dated 25th February 2022.

Duration

The Bachelor of Science Honours in Computer Networks and Cyber Security program is offered as a BScHons (Comp Net & Cyber Sec) degree (126 Credits) for four years.

3. STUDY PROGRAMME

Study Programme Objectives

The objective of the BScHons (Comp Net & Cyber Sec) degree programme is,

- are able to understand and apply the deep concepts of Computer Networks and Cyber Security;
- have acquired adequate skills to understand social, legal, ethical, cultural, and professional responsibilities in the discipline of computing;
- are able to understand how organizational context is influenced by the impact of the deployment of Computer Networks and Cyber Security;
- are able to manage complexity in Computer Networks and Cyber environment by applying best practices of the security concepts and using appropriate network methodologies;
- are able to critically discuss current research in computer networks and cyber security, and evaluate arguments, assumptions, abstract concepts, and data (that may be incomplete) to draw conclusions;
- are able to develop lines of argument and evaluate possible approaches, tools, techniques, platforms, and solutions based on knowledge of Computer Network and Cyber Security principles;
- are able to work both individually and as part of a team to develop and deliver substantial Computer Networks and Cyber Security;
- are able to demonstrate an understanding and appreciation of the importance of negotiation, effective work habits, leadership, and good communication with stakeholders;
- are able to exercise initiative, personal responsibility, and accountability and undertake further training and develop additional skills as required by the industry.

Outline of the Curriculum

Preparatory Course

Course Code	Course Title	Credits
EL0001	English Language	-
IT0002	Computer Studies	-

Year One - Semester One

Course Code	Course Title	Credits
COM1301	Introduction to Computer Systems	3
COM1302	Computer Architecture	3
COM1303	Fundamentals of Programming	3
COM1304	Academic Practices and Grooming	3
COM1305	Mathematics for Computing I	3

Year One - Semester Two

Course Code	Course Title	Credits
COM1306	Data Structures and Algorithms	3
COM1307	Object Oriented Programming	3
COM1308	Web Technologies	3
COM1309	Data Communications	3
COM1310	Mathematics for Computing II	3

Year Two - Semester One

Course Code	Course Title	Credits
CNC2301	Computer Networks	3
COM2301	Database Systems	3
COM2302	Systems Analysis and Design	3
CNC2302	Network Operating Systems	3
COM2304	Applied Statistics	3

Year Two - Semester Two

Course Code	Course Title	Credits
CNC2303	Cryptography	3
CNC2304	Component Security	3
CNC2305	Mobiles and Wireless Networks	3
CNC2306	Networking Infrastructure and Protocols	3
CNC2307	Principles of Cyber Security	3
-	Career Planning and Employability Skills Development - Seminar	-

Year Three - Semester One

Course Code	Course Title	Credits
COM3301	Research Methods for Computing	3
CNC3301	Secure Software Development	3
CNC3302	Cyber Crime and Legal Environment	3
CNC3303	Network Security	3
CNC3304	Web Security	3
CNC3305	Network Management	3

Students shall select one out of the following four elective modules.

MIS3302	IS Project Management (E)	3
COM3302	Knowledge-based Systems (E)	3
COM3303	Emerging Technologies (E)	3
MIS3306	IT Infrastructure (E)	3

Year Three - Semester Two

Course Code	Course Title	Credits
CNC3906	Work Based Enterprise Placement	9

Year Four- Semester One

Course Code	Course Title	Credits
COM4901	Final Year Individual Project	9
COM4302	IT Professionalism and Practice	3
CNC4301	Advanced Computer Networks	3
CNC4302	System Security	3
CNC4303	Cyber Security Analytics	3
Students shall select one out of the following three elective modules.		
COM4303	Data Science (E)	3
COM4304	High Performance Computing (E)	3
COM4305	Database Server Management (E)	3

Year Four- Semester Two

Course Code	Course Title	Credits
CNC4304	Ethical Hacking and Countermeasures	3
CNC4305	Digital Forensics	3
CNC4306	System and Network Administration	3
Students shall select one out of the following five elective modules.		
CNC4307	Cloud Computing and Virtualization (E)	3
COM4307	Internet of Things (E)	3
COM4308	Operational Research (E)	3
SEN4304	Advanced Web Technologies (E)	3
MIS4307	Entrepreneurship (E)	3

Intended Learning Outcomes of the Programme

The following are the intended learning outcomes of the BScHons (Comp Net & Cyber Sec) degree programme. Intended learning outcomes for individual courses/modules are included in the descriptions of individual courses.

Graduate obtaining the Bachelor of Science Honours in Computer Networks and Cyber Security programme should be able to:

- understand the deep concepts of Computer Networks and Cyber Security;
- explain how organizational context is influenced by the impact of the deployment of Computer Networks and Cyber Security;
- understand of social, legal, ethical, cultural, and professional responsibilities in the discipline of computing;

- manage complexity in Computer Networks and Cyber environment by applying best practices of the security concepts and using appropriate network methodologies;
- awareness of the new security concepts in clouds, embedded micro-sensors to high-performance computing clusters;
- gain project experience and industrial practice;
- illustrate the use of Computer Networks and Cyber Security technologies to solve problems as an it professional;
- develop lines of argument and evaluate possible approaches, tools, techniques, platforms, and solutions based on knowledge of Computer Network and Cyber Security principles;
- employ in the field of Computer Networks and Cyber Security.



4. ASSESSMENT METHODS

Assessment methods include Continuous Assessments and Final Examinations.

Continuous Assessments (CA)

The CA will contribute towards from 40% to 60% of the overall mark. The continuous assessments (CA) will consist of assignments, practical, workshops, projects, presentations, quizzes, or tests.

Final Examination (FE)

The FE will account for 40% to 60% of the overall mark. This final examination will consist of Multiple-Choice Questions (MCQ), report writing, poster presentation, personal exercise log, structured essay questions, short essay questions, computer-based examination, practical examination, portfolio writing, oral presentation, viva voce, and dissertation writing.

The pass mark will be a total of 45% from CA and FE. The qualifying mark of FE will be 30%.

Overall Mark

$$\text{Overall Assessment Mark (Z)} = \text{CA} + \text{FE}$$

The overall assessment mark (Z%) of a student in respect of any course offered in the programme shall be based on both the continuous assessment mark and the mark obtained at the final examination. The overall assessment mark (Z%) of an undergraduate shall be computed as follows:

$$\text{CA} + \text{FE} = Z\%$$

If $Z >= 45\%$ the student will pass the course.

5. COURSE SYNOPSIS

Year One

COM1301 - Introduction to Computer Systems

Credits - 3

Introduction to computer systems, history of computing, environments: home, business, education and learning, gaming, entertainment, media, Computer systems: microcomputers, minicomputers, supercomputers, mobile devices, embedded computers; Hardware and software, hardware components in modern computer systems, identifying components, assembling a PC, System software and application software, Examples, Installing and using software on a PC.

Recommended Readings:

- i. Harold L Rogler, Introduction to Computer Systems, 3 edition, Kendall Hunt Publishing, 2018
- ii. Darrell W Hajek and Cesar Herrera, Introduction to Computers, CreateSpace Independent Publishing Platform, 2017
- iii. R. Stair and G. Reynolds, Principles of information systems, 13th ed. Cengage Learning, 2018
- iv. S. Mueller, Upgrading and Repairing PCs, 22nd ed. QUE Press, 2015

COM1302 - Computer Architecture

Credits - 3

Introduction to computer architecture, MIPS introduction, Number systems, Boolean logic and circuit fundamentals, digital system building blocks, architecture of digital computer, Processors and architectures, control unit design, memory hierarchy, the basics of caches, virtual memory, Processor design principles, Instruction-level Parallelism (ILP) and pipelining, Introduction to storage units, connecting processors, memory, and I/O devices.

Recommended Readings:

- i. Computer Organization and Design: The Hardware/Software Interface (MIPS Edition), 6th Edition, David A. Patterson & John L. Hennessy, Morgan Kaufmann, 2020
- ii. Computer Systems: A Programmer's Perspective, 3rd Edition, David R. O'Hallaron and Randal E. Bryant, Pearson, 2016
- iii. Essentials of Computer Organization and Architecture, 5th Edition, Linda Null, Jones & Bartlett Learning, 2018
- iv. K. MacRae, The Computer Manual: The Step-by-step Guide to Upgrading and Repairing a PC, Haynes Group, 2010

COM1303 - Fundamentals of Programming

Credits - 3

Introduction to programming, common algorithms and solutions involving sequence, selection, and iteration (repetition), Standard programming environment, key elements of programming languages, data and data types, basic data structures; subroutines and functions with data hiding, parameter passing, returning values, local/global variable access, and scope rules, recursion, Programming techniques and testing, Stylistic requirements of good programming.

Recommended Readings:

- i. Brian W. Kernighan and Dennis M. Ritchie, The C Programming Language, 2nd ed., Prentice Hall, 1988
- ii. H. Schildt, C The Complete Reference Paperback, 4th ed., McGraw-Hill, 2000
- iii. M. McGrath, C Programming in Easy Steps, 5th ed., In Easy Steps Limited, 2018
- iv. Paul J. Deitel and Harvey Deitel, C How to Program, 8th ed., Pearson, 2015

Websites

- v. <https://www.cprogramming.com/>
- vi. <https://www.geeksforgeeks.org/c-programming-language/>

COM1304 - Academic Practices and Grooming

Credits - 3

Introduction, key skills & issues, examination techniques, Learning in groups, communication, team development, Research planning, analysis of sources (CARS), critical evaluation – product & process, Report & academic writing, referencing, quoting/ paraphrasing & plagiarism, oral presentation skills.

Recommended Readings:

- i. NCCER, Basic Employability Skills: Trainee Guide 00108-15, 5th ed. Prentice Hall, 2015
- ii. L. L. Thompson, Making the Team: A Guide for Managers, 5th ed. Pearson Education, 2015
- iii. Essentials of Business Communication, 11th Edition, Mary Ellen Guffey and Dana Loewy, Cengage Learning, 2018

Websites

- iv. www.prospects.ac.uk
- v. www.stemnet.org.uk/resources/employability_skills_guide.cfm
- vi. Technical Writing, Annemarie Hamlin and Chris Rubio, 2016, <https://open.umn.edu/opentextbooks/textbooks/technical-writing-2016>

COM1305 - Mathematics for Computing I

Credits - 3

Logic theory, set theory, Boolean algebra, logic gates, relations, functions, techniques of counting, Vector algebra, equations of lines and planes, Systems of linear equations, Probability, techniques of proof, pigeon-hole principle.

Recommended Readings:

- i. K. H. Rosen, Discrete Mathematics and Its Applications, 7th ed. McGraw-Hill, 2012
- ii. H. K. Dass, Advanced Engineering Mathematics, 2007.
- iii. H.S. Hall and R.S. Knight, Elementary Algebra for School, Metric Edition, A.I.T.B.S. Publishers & Distributors India, 2017.
- iv. S. Lipshutz & M. Lipson, Schaum's Outline series: Probability, 2nd ed. McGraw-Hill; International Edition, 2011
- v. S. Lipshutz & M. Lipson Schaum's Outline series: Discrete Mathematics, 3rd ed. Tata McGraw-Hill India, 2007.
- vi. O. Nicodemi, Discrete Mathematics, CBS publishers and Distributors India, 2006.

Websites

vii. www.mathsandcomputing.com/

COM1306 - Data Structures and Algorithms**Credits - 3**

Overview of data structures, linked lists, stacks and queues, trees, graphs, heaps, hash tables, applications, Basics of algorithms, algorithm analysis, asymptotic notations, Sorting algorithms, searching techniques, Divide-and-conquer strategy, greedy strategy, complexity of algorithms.

Recommended Readings:

- i. T. H. Cormen, C. E. Leiserson, R. L. Rivest and C. Stein, Introduction to Algorithms, 3rd ed. MIT press, 2009
- ii. M. Goodrich and R. Tamassia, Data Structures and Algorithms in C++, 2nd ed. Wiley, 2011
- iii. R. Lafore, Data Structures and Algorithms in Java, 2nd ed. Sams Publishing, 2002
- iv. Narasimha Karumanchi, Data Structures and Algorithms Made Easy, 5th ed. Career Monk, 2016

Websites

- v. https://www.tutorialspoint.com/data_structures_algorithms/index.htm
- vi. <https://www.programiz.com/dsa>
- vii. <https://www.geeksforgeeks.org/data-structures/>

COM1307- Object Oriented Programming**Credits – 3**

Concepts of object-orientation (abstraction, encapsulation and information-hiding, polymorphism, inheritance), Separation of behaviour and implementation, definition and use of classes, subclasses, inheritance and class hierarchies, va programming language and API, instance creation and scope control, data structures and iterable collections, stream based I/O and object serialization, event handling for interactive programs, concurrent processes and threads, Division of a system into manageable components, Reuse interfaces, Java applications.

Recommended Readings:

- i. Rogers Cadenhead, Sams Teach Yourself Java in 21 Days, 8th ed., Sams Publishing, 2020
- ii. Matt Weisfeld, The Object-Oriented Thought Process, 5th ed. Addison-Wesley, 2019
- iii. H. Schildt, Java: The Complete Reference TM, 11th ed. McGraw-Hill, 2018
- iv. C. Thomas Wu, An Introduction to Object-Oriented Programming with Java, 5th ed. McGraw-Hill, 2009

Websites

- v. <https://docs.oracle.com/javase/tutorial/>

COM1308 – Web Technologies**Credits - 3**

Introduction to the internet and World Wide Web, HTTP, Fundamentals of HTML, HTML5, Cascading style sheets (CSS), Client-side programming using JavaScript, Fundamentals of XML, overview of programming with PhP.

Recommended Readings: -

- i. Jennifer Robbins, Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics, 5th Edition, O'Reilly Media, 2018
- ii. Jon Duckett, JavaScript and JQuery: Interactive Front-End Web Development, Wiley, 2014
- iii. Joel Sklar, Principles of Web Design, 6th ed. Cengage Learning, 2014
- iv. D. McFarland, CSS: The Missing Manual, 4th ed., O'Reilly Media, 2015
- v. D. McFarland, JavaScript & jQuery: The Missing Manual, 3rd ed., O'Reilly, 2014

Websites

- vi. www.w3schools.com
- vii. <https://www.edx.org/school/w3cx>
- viii. <https://www.w3.org/standards/>
- ix. <https://validator.w3.org/>

COM1309 - Data Communications**Credits - 3**

Fundamentals of digital communication, physical layer characterization, Data transmission mechanisms, ISO/OSI model and TCP/IP model, Local area networks, wireless LANs, Practical aspects of networking, user access technologies.

Recommended Readings:

- i. Curt White, Data Communications and Computer Networks: A Business User's Approach, 8th ed. Cengage Learning, 2015
- ii. W. Stallings, Data and Computer Communications, 10th ed. Pearson, 2013
- iii. J. F. Kurose and K.W. Ross, Computer Networking, A Top-Down Approach, 7th ed. Pearson, 2016
- iv. A. S. Tanenbaum and D. J. Wetheral, Computer Networks, 5th ed. Pearson, 2011
- v. H. Fred, Data Communications, Computer Networks and OSI, 4th ed. 10th Indian reprinting, 2005

COM1310 - Mathematics for Computing II**Credits - 3**

Introduction to numerical analysis, modeling, numerical precision, accuracy, computers and error analysis, Numerical differentiation and integration, mathematical modeling through ordinary differential equations, least square curve fitting procedures, regression, interpolation, MATLAB fundamentals, Basic definitions, degree of a vertex, paths, cycles and connectivity, digraphs, relationship graphs, Eulerian and Hamiltonian graphs, Trees: binary trees, binary search and applications, Isomorphism of graphs, adjacency, matrices and adjacency lists, Planar graphs, coloring of graphs, Dijkstra's algorithm, Divisibility and the Fundamental Theorem of Arithmetic, Modular arithmetic, Euclidean Algorithm, Congruences, Chinese Remainder Theorem.

Recommended Readings:

- i. K. H. Rosen, Discrete Mathematics and Its Applications, 7th ed. McGraw-Hill, 2012
- ii. H. K. Dass, Advanced Engineering Mathematics, 2007.
- iii. Matlab: A Practical Introduction to Programming and Problem Solving 3rd Edition by Stormy Attaway, 2013.

Websites

- iv. www.mathsandcomputing.com/

Year Two***CNC2301 - Computer Networks******Credits - 3***

Network access technologies and concepts, data link layer, network layer, the transport layer, the application layer, Congestion and traffic management, Network protocols, enterprise level network solutions, Complex enterprise LAN and WAN routing and switching solutions. configuration routing protocols in IPv4 and IPv6 environments and the secure integration of VLANs, WLANs, Standard architectures, Hardware interface standards, Common architectures, Plan, implement, secure, maintain, and troubleshoot small or home office networks.

Recommended Readings:

- i. James Kurose, Keith Ross; computer Networking: A Top-Down Approach (7th Edition).

COM2301 - Database Systems***Credits - 3***

Introduction to DBMS, Data modelling using Entity-Relationship (ER) model, Database design process, relational data model, concepts of keys, integrity rules, relational algebra, Data manipulation using SQL, SQL programming, data views, data security, Data normalization and the normal forms.

Recommended Readings:

- i. Ramez Elmasri, Shamkant B. Navathe, Fundamentals of Database Systems, 7th ed., Pearson, 2016
- ii. S. K. Singh, Database Systems: Concepts, Design and Applications, 2nd ed., Pearson India, 2011
- iii. T. M. Connolly and Carolyn E.Begg, Database Systems: A Practical Approach to Design, Implementation, and Management, 6th ed., Pearson, 2014.
- iv. D. Avison and G. Fitzgerald, Information Systems Development: Methodologies, Techniques and Tools, 4th ed., McGraw Hill Higher Publishing Company, 2006.

Websites

- v. <https://www.tutorialspoint.com/dbms/>
- vi. <https://www.w3schools.in/dbms/>
- vii. <https://www.geeksforgeeks.org/introduction-of-dbms-database-management-system-set-1/>

COM2302 - Systems Analysis and Design**Credits - 3**

Identification of opportunities for IT-enabled organizational change, business process management, Analysis of business requirements, information requirements, Project specification, analysis of project feasibility (operational, technical, tangible costs and benefits, legal, cultural), Analysis and specification of system requirements (data collection methods, methods for structuring and communicating requirements, factors affecting user experience, user interface design, system data requirements, factors affecting security, ethical considerations in requirements specification), Unified modeling language (activity diagram, use case diagram, sequence diagram, class diagram).

Recommended Readings:

- i. A. Dennis and W. B. Haley, Systems Analysis and Design, 6th ed. John Wiley & Sons Ltd, 2016.
- ii. Joseph S. Valacich, Joey F. George, Modern Systems Analysis and Design, 9th edition.
- iii. K. E. Kendall & J. E Kendall, Systems Analysis and Design, 8th ed. Prentice-Hall, 2010
- iv. M. Lejk and D. Deeks, An Introduction to System Analysis Techniques, 2nd ed. Addison Wesley, 2002

Websites

- v. www.freetutes.com/systemanalysis/

CNC2302 - Network Operating Systems**Credits - 3**

Process models with process creation and termination methods, process hierarchy and process status, thread models and usage, deadlocks and handling, synchronization, Scheduler activation and popup threads, inter process communication, scheduling, Basic memory management, paging and segmentation, virtual memory, page fault handling, TLB implementation, Introduction to Network Operating Systems, Characteristics of NOS, Standards and Protocols, Addressing and Address Resolution, File Systems, Boot Process and Boot Sequence, Hardware/Software configuration of Gateway, Routers, and Switches, Deploying OS images and software through the network, Configuring user workstations, Login scripts and shell scripting, Account and Resources Management, RAID, Backup, Disaster recovery, Testing and Troubleshooting, Optimize Performance, Network Services, Directory Services.

Recommended Readings:

- i. Gerardus Blokdyk; Network operating system A Complete Guide; 5STARCookz; 2018; ISBN: 978-0655378686
- ii. A. S. Tanenbaum and H. Bos, Modern Operating Systems, 4th ed. Pearson, 2015
- iii. EC-Council, Network Defense: Securing and Troubleshooting Network Operating Systems, 1st ed. EC-Council Press, 2010
- iv. D. Barrett, Linux Pocket Guide (Pocket Guide: Essential Commands), 3rd ed. O'Reilly Media, 2016
- v. EC-Council, Ethical Hacking and Countermeasures: Secure Network Operating Systems and Infrastructures (CEH) 2nd ed. EC-Council Press, 2016
- vi. Michael W Lucas; Networking for Systems Administrators; Tilted Windmill Press; 2019; ISBN: 978-1642350333

COM2304 - Applied Statistics**Credits – 3**

Introduction to statistics, descriptive statistics, probability, Frequency distributions, central tendency, z scores, distribution of sample means, Hypothesis testing; z statistic, t statistic, independent samples, dependent samples, simple linear regression, multiple regression, Logic of ANOVA, hypothesis testing with correlation, Gaussian Distribution, Student's t-Distribution, chi-square, goodness of fit & independence tests, Poisson distribution, contingency table, Use of MINITAB for statistical testing and regression analysis.

Recommended Readings:

- i. David Moore, William Notz, The Basic Practice of Statistics by, 8th edition.
- ii. Trevor Hastie, Robert Tibshirani, The Elements of Statistical Learning: Data Mining, Inference, and Prediction, Second Edition.
- iii. David M. Levin, Patricia P. Ramsey, Robert K. Smidt, Applied Statistics for Engineers and Scientists: Using Microsoft Excel & Minitab.

CNC2303 - Cryptography**Credits – 3**

Basic concepts in cryptography:- Encryption/decryption, sender authentication, data integrity, non-repudiation, Attack classification, Historical ciphers, symmetric ciphers, Asymmetric ciphers, Mathematical background: Modular arithmetic, Fermat, Euler theorems, Primitive roots, discrete log problem, Primality testing, factoring large integers, Elliptic curves, lattices and hard lattice problems, Abstract algebra, finite fields, and Information theory, Feistel networks, Data Encryption Standard (DES), Advanced Encryption Standard (AES), Modes of operation for block ciphers, RSA, Diffie-Hellman protocol, El Gamal cipher, Elliptic curves ciphers.

Recommended Readings:

- i. Stinson, D.R., Cryptography, Theory and Practice; Chapman and Hall/CRC; 3 edition, 2005, ISBN 978-1584885085
- ii. Smart, N., Cryptography: An Introduction; McGraw-Hill, 2004, ISBN 978-0077099879

CNC2304 - Component Security**Credits – 3**

Component Design, Design principles and techniques which increase the security of components, Component design security, Principles of secure component design, Component identification, Anti-reverse engineering techniques, Side-channel attack mitigation, Anti-tamper technologies, Component Procurement, Techniques for ensuring that the security of system components is maintained throughout the procurement process, Supply chain risks, Supply chain security, Supplier vetting, Component Testing, Unit testing techniques and tools and techniques to test the security properties of a component, Principles of unit testing, Security testing, Component Reverse Engineering, Techniques for discovering the design and functionality of a component with incomplete information, Design reverse engineering, Hardware reverse engineering, Software reverse engineering.

Recommended Readings:

- i. Wiem Tounsi, Cyber-Vigilance and Digital Trust: Cyber Security in the Era of Cloud Computing and IoT, Wiley-ISTE, 2019
- ii. Jim Doherty, Wireless and Mobile Device Security, Jones & Bartlett Learning; Illustrated Edition, 2015
- iii. Arthur G. Arway, Supply Chain Security: A Comprehensive Approach, CRC Press, 2013
- iv. Reginald Wong, Mastering Reverse Engineering: Re-engineer your ethical hacking skills, Packt Publishing, 2018
- v. Keng Tiong Ng, The Art of PCB Reverse Engineering: Unravelling the Beauty of the Original Design, 2nd Edition, CreateSpace Independent Publishing Platform, 2015
- vi. Bruce Dang, Alexandre Gazet, Elias Bachaalany, Sébastien Josse, Practical Reverse Engineering: x86, x64, ARM, Windows Kernel, Reversing Tools, and Obfuscation, Wiley, 2014

CNC2305 - Mobiles and Wireless Networks

Credits – 3

Introduction to mobiles and wireless networks, modulation, radio wave propagation, Medium access control protocols, CDMA, FDMA, TDMA, CSMA, Cellular Networks, 2G, 3G, 4G, wireless internet, WLAN, WiFi, Wi-Max, WWAN, Pervasive Networking, Bluetooth, QoS, Radio wave propagation, modulation, medium access control protocols, Wireless and mobile security issues and standards, 5G cellular networks, IoT, sensor networks.

Recommended Readings:

- i. Khaldoun Al Agha, Guy Pujolle, Tara Ali Yahiya; Mobile and Wireless Networks; Wiley-ISTE; 2016; ISBN: 978-1-848-21714-0
- ii. Benny Bing; Wi-Fi Technologies and Applications: From Wi-Fi 5 (802.11ac) and Wi-Fi 6 (802.11ax) to Internet of Things, Drones, and Balloons; Amazon; 2017; ISBN: 978-0976675228
- iii. Kevin Townsend, Carles Cufí, Akiba, Robert Davidson; Getting Started with Bluetooth Low Energy: Tools and Techniques for Low-Power Networking; O'Reilly Media; 2014; ISBN: 978-1491949511

CNC2306 - Networking Infrastructure and Protocols

Credits - 3

Determination of user requirements and design modularize networks, Networking and internetworking protocols such as IP, TCP, UDP, HTTP, ARP, ICMP, FTP, SSH, L2TP, IPsec, etc, design network infrastructures, implement, configure, test and maintain network infrastructures, Wireless and Fibre Optic Solutions, Cloud Networking Solutions, Preparing network specifications, and diagrams, Prepare tender specifications, Layer 1, 2 and 3 diagrams, Rack layout, WiFi, and security diagrams, Name resolution services, active directory requirements, technology resources, security resources addressing naming methodology.

Recommended Readings:

- i. Ramon Nastase; Computer Networking: Your Guide in Computer Networking and Routing Protocols for Passing the CCNA; Independently published; 2018; ISBN 978-1792107344
- ii. Richard Fox and Wei Hao; Internet Infrastructure: Networking, Web Services, and Cloud Computing; CRC Press, 2017; ISBN 978-1138039919

- iii. Russ White, Ethan Banks, Computer Networking Problems and Solutions: An innovative approach to building resilient, modern networks; Addison-Wesley Professional; 2018; ISBN 978-1587145049
- iv. Deep Medhi, Karthik Ramasamy; Network Routing: Algorithms, Protocols, and Architectures (The Morgan Kaufmann Series in Networking); Morgan Kaufmann; 2017; ISBN 978-0128007372

CNC2307 - Principles of Cyber Security**Credits – 3**

Introduction to security, authentication, cryptography, data integrity, access control, physical data security, logical access control, Software vulnerabilities, malicious software, operating system security, Windows and Unix / Linux security, database security, Secure architecture design, application and network attacks, vulnerability assessment, password storage and attack techniques, Ethical hacker attack phases, social engineering, privacy, ethics, data leak prevention and legal considerations.

Recommended Readings:

- i. Charles P. Pfleeger, Shari Lawrence Pfleeger: Security in Computing (5th Edition)

Career Planning and Employability Skills Development - Seminar**Credits - 0**

General overview of career decision process, professional and employability skills, relational approach to self-assessment and career development, job search approaches, putting it all together: be the master of your career, personal and professional development for scientists, problem solving and decision making, planning and organizing, customer service, strong work values (work ethic), labor market, career management skills, manage career and work life, time management, deal with new technology (computer and technical literacy), team roles and dynamics, developing an effective team, writing skills, how to deliver a successful presentation, reflecting and reviewing your personal professional development, an insight into the professions - guest speakers from the marketing industry, your personal marketing strategy – creating a professional CV and on line profile, preparing for employer interviews and assessments, future career plans, goal setting.

Recommended Readings: -

- i. E. Schein, Organizational culture and leadership, 5th ed. John Wiley and Sons Inc., 2017
- ii. L. Pattison, Professional skills and employability, Pearson Higher Education, 2017
- iii. M. Higgins and S. Dobrow, Career Orientation Instrument, Boston, MA: Harvard Business School Press, 2004
- iv. J. Hayes, Interpersonal skills at work, 2nd ed. Routledge, 2002.

Year Three***COM3301 - Research Methods for Computing*****Credits – 3**

Research methods in IT and computing, developing a research proposal, research ethics, research project example, Literature review, online and offline data gathering methods, data analysis tools and techniques, Writing research papers, Oral presentation, research seminar.

Recommended Readings:

- i. Kate L. Turabian, A Manual for Writers of Research Papers, Theses, and Dissertations: Chicago Style for Students and Researchers, 9th ed., University of Chicago Press, 2018
- ii. Barbara Gastel and Robert A. Day, How to Write and Publish a Scientific Paper, 8th ed., Greenwood, 2016
- iii. William Strunk Jr., E. B. White, The Elements of Style, 4th ed., Pearson, 1999
- iv. Huma Anwar, Ehtiram Raza Khan, RESEARCH METHODS OF COMPUTER SCIENCE, 1st ed. Laxmi Publications Pvt Ltd, 2018

Other Recommended Sources:

- v. <https://libguides.usc.edu/writingguide/oralpresentation>

CNC3301 - Secure Software Development**Credits - 3**

Least privilege, Fail-safe defaults, Complete mediation, Separation, Minimize trust, Economy of mechanism, Minimize common mechanism, Least astonishment, Open design, Layering Abstraction, Modularity, Complete linkage, Design for iteration, Characteristics of Secure and Resilient Software, Derivation of security requirements, Specification of security requirements, Software development lifecycle/Security development lifecycle, Security and Resilience in the Software Development Life Cycle, Validating input and checking its representation, Using APIs correctly, Using security features, Checking time and state relationships, Handling exceptions and errors properly, Programming robustly, Encapsulating structures and modules, Proven Best Practices for Resilient Applications, Configuring, Patching and the vulnerability lifecycle, Checking environment, DevOps, Decommissioning/Retiring, Programming Best Practices, Designing Applications for Security and Resilience, Special Considerations for Embedded Systems, Cloud Computing, and Mobile Computing Devices, Security Testing of Custom Software Applications, Installation documents, User guides and manuals, Assurance documentation, Security documentation.

Recommended Readings:

- i. Dijiang Huang, Ankur Chowdhary, Sandeep Pisharody, Software-Defined Networking and Security: From Theory to Practice, CRC Press, 2019.
- ii. Mark S. Merkow, Lakshminikanth Raghavan, Secure and Resilient Software Development, CRC Press, 2010.

CNC3302 - Cyber Crime and Legal Environment**Credits – 3**

Types of cybercrime, cyber-criminal behavior, cyber terrorism, understanding of the scope, Cybercriminal investigations, economics of cybercrime, Current legal environment in relation to cyberspace, domestic and international laws, jurisdictional boundaries in cyber-based legal cases, Current legal environment in relation to cyberspace, domestic and international laws, jurisdictional boundaries in cyber-based legal cases, formation of legal tools, intellectual property rights, Regulations and Acts; Privacy acts (GDPR), RTI acts, Electronic evident acts, Data security law, legal aspects of data security, Defining ethics, code of conduct, ethics and law, ethical hacking, ethical frameworks, privacy rights, privacy norms and attitudes, privacy breaches, privacy in societies, Cost and legal environment relating to cyber-based intellectual property theft, economics of cybercrime.

Recommended Readings:

- i. S.W. Brenner, Cybercrime and the Law: Challenges, Issues, and Outcomes, Northeastern University Press, 2012, ISBN 978-1555537999
- ii. K. Mani, Lawmann's Legal Framework on Cyber Crimes, Kamal, Book Code: 9789384668570

CNC3303 - Network Security**Credits – 3**

Introduction, hacking: Types of Hackers, Hacker's techniques, System Hacking, Tools and Techniques, internet traffic security: integrity, confidentiality, authentication, eavesdropping, wireless network security, Physical Media, network authentication: Kerberos, Certificate Authorities, PKIX Management, Shibboleth, buffer overflow, SSH protocol, DNS Sec protocol, software security, OS security: Networked Operating Systems, Linux Security, File System Security, Users and Groups, Sticky Bit, Kernel vs User Space, Rootkits, Patch Management, Network Access Controls, Network hardening, Implementing IDS/IPS, Defence in depth, Honeypots and honeynets, Network policy development and enforcement, Network operational procedures, Network attacks, Network monitoring, Network traffic analysis, Minimizing exposure, Network access control (internal and external), fire walls, VPN, intruder detection and prevention systems.

Recommended Readings:

- i. W. Stallings, computer security principles and practice, 4th ed. Pearson, 2017
- ii. Dileep Kumar G. Manoj Kumar Singh, M.K. Jayanthi, Network Security Attacks and Countermeasures, 1st ed. IGI Global, 2016
- iii. Jie Wang, Zachary A. Kissel, Introduction to Network Security: Theory and Practice, WILEY, 2015
- iv. C. Pfleeger, security in computing, 5th ed. Prentice Hall, 2015
- v. M. Watkins, CCNA security official exam certification guide, 1st ed. Cisco Press, 2009
- vi. E. Stewart, CCNA security, Pearson, 2009

Journals

- vii. ACM Transactions on Information and System Security
- viii. Computer Fraud and Security
- ix. IEEE Security and Privacy
- x. IEEE Transactions on Dependable and Secure Computing

Websites

- xi. www.cisco.com
- xii. go.techtarget.com
- xiii. www.searchsecurity.co.uk

CNC3304 - Web Security

Credits - 3

Introduction to web security, Web applications: Understanding Web Applications, Web Application Components, Web Forms, ColdFusion, Client-side Scripting Languages, SQL injection: SQL Queries, SQL Data Manipulation Language (DML), What is SQL Injection, Vulnerable Applications, SQL Injection Characters, Discovery of Vulnerabilities, Information Gathering, Network Reconnaissance, cross site scripting: What is XSS, Adobe PDF viewer “feature”, Untrusted script in Facebook apps, DOM-based XSS, Web Security Threats and Defenses: Variety of threats, SSL, Cryptographic Computations, TLS (Transport Layer Security), HTTPS, IP Security, Transport and Tunnel Modes, Web authentication, SSL, HTTPS, TLS Protocol, electronic payment protocol, blockchain.

Recommended Readings:

- i. Bryan Sullivan and Vincent Liu, Web Application Security, A Beginner’s Guide, McGraw-Hill Education; 2011, ISBN: 978-0071776165
- ii. Michal Zalewski, The Tangled Web: A Guide to Securing Modern Web Applications, No Starch Press; 2011, ISBN: 978-1593273880
- iii. Dafydd Stuttard and Marcus Pinto, The Web Application Hacker’s Handbook: Finding and Exploiting Security Flaws, 2nd Edition; Wiley; 2011, ISBN: 978-1118026472

CNC3305 - Network Management

Credits - 3

Basics of Network Management, Network Management Planning: Standards for managing networks, Network architecture styles, Network management models, Costs in network management, Resources in a network management project, Standards, Models, Network Management Functions: Account management, Accounting management and system logs, Security management, SNMP: SNMP design, Standard evolution, SNMP architecture, SMI information model, MIB and Data Model, SNMP operations, SNMP security, TCP/IP Networks, Network Access Control, TMN Architecture Styles, Broadband Network, Enterprise Networks, Interfaces for Managing Individual Devices, Network Task Automation: Netconf and YANG, Autonomous Network Management, Cloud and Web Management.

Recommended Readings:

- i. Mani Subramanian; Network Management: Principles and Practice; Pearson Education India; 2010; ISBN 9788131727591
- ii. John Arundel, Justin Domingus; Cloud Native DevOps with Kubernetes : Building, Deploying, and Scaling Modern Applications in the Cloud; O’Reilly Media; 2019; ISBN 9781492040767
- iii. Yevgeniy Brikman; Terraform: Up & Running : Writing Infrastructure as Code; O’Reilly Media; 2019; ISBN 9781492046905

- iv. Ryan Tischer, Jason Gooley; Programming and Automating Cisco Networks : A guide to network programmability and automation in the data center, campus, and WAN; Pearson Education; 2016; ISBN 9781587144653

MIS3302 - IS Project Management**Credits – 3**

Introduction to project management, organizational structure, The Project Management Lifecycle, Triple constraints, success/failure criteria, terminating the project, post-project appraisals, organizational structure, Scheduling techniques, organizational structure, roles and responsibilities, control and coordination, Manage project processes and procedures and scope, leadership requirements, project management plans, Managing project procurement, cost control techniques, performance, control, communication and coordination, Managing Project quality, Leadership requirements, human resources and requirements, change control procedures, Project Execution, Control & Closure, Managing Project Control & Closure.

Recommended Readings:

- i. K. Schwalbe, Information Technology Project Management 9th ed, Cengage Learning, 2018
- ii. Jack T. Marchewka, Information Technology Project Management: Providing Measurable Organizational Value, 5th ed., Wiley, 2016
- iii. Project Management Institute, A Guide to the Project Management Body of Knowledge (PMBOK Guide), 6th ed., Project Management Institute, 2017

COM3302 - Knowledge-based Systems**Credits – 3**

Introduction to KBS, Knowledge-based System Architecture, Knowledge management, refining and disseminating information, Knowledge management models, Fuzzy logic and systems, fuzzy sets, operations on fuzzy sets, types of fuzzy functions, fuzzy relationships, fuzzy inference, fuzzy rules, Agent-based systems, advantages of agent technology, agent typologies, agent communication, multiagent systems, Development of a Knowledge-based System, design and planning, development, use of appropriate language, testing, documentation.

Recommended Readings:

- i. Rajendra Akerkar and Priti Sajja, Knowledge Based Systems, Jones and Bartlett Learning, 2009
- ii. Mark Stefk, Introduction to Knowledge Systems, Morgan Kaufmann, 1995
- iii. Avelino J. Gonzalez, Douglas D. Dankel, Engineering of Knowledge-Based Systems, Prentice Hall, 2000
- iv. Ivan Bratko, Prolog Programming for Artificial Intelligence, 4th ed. Pearson, 2011
- v. Conrad Barski, Land of Lisp: Learn to Program in Lisp, One Game at a Time!, No Starch Press, 2010

COM3303 - Emerging Technologies**Credits – 3**

New forms of computing, Turing quantum machine, uses of quantum computing, parallelism, big data, data analytics, robotics, smart homes and smart cities, RFID, video links, NFC, IoT, Sensor technology, emergent games technologies and applications, natural language understanding, HCI for the 21st century, intelligent systems, deep learning, predicting the future, societal challenges and ethics, 5G and wifi-6, electrowetting, cloud computing, blockchain and cryptocurrencies, computer vision, virtual and augmented reality.

Recommended Readings:

- i. Nicole Hennig, Keeping Up with Emerging Technologies: Best Practices for Information Professionals, Libraries Unlimited, 2017
- ii. Ronald Sandler, Ethics and Emerging Technologies, Palgrave Macmillan, 2013
- iii. Jonathan Follett, Designing for Emerging Technologies: UX for Genomics, Robotics, and the Internet of Things, O'Reilly Media, 2014
- iv. Richard Watson and Nicholas Brealey, Future Files: The 5 Trends That Will Shape the Next 50 Years, Nicholas Brealey, 2009
- v. ACM Journal on Emerging Technologies in Computing Systems

Journal**Websites**

- vi. <http://www.engadget.com/>
- vii. <http://www.slashgear.com/>
- viii. <http://techcrunch.com/>
- ix. <http://www.itpro.co.uk/>

MIS3306 - IT Infrastructure**Credits – 3**

Role of IT infrastructure in a modern organization, Virtualization of computing services, Purchasing of IT infrastructure technologies and services, System performance analysis and management, Cloud computing, computing as a service, grid computing, Ensuring business continuity, Securing IT infrastructure, Principles of encryption and authentication, Component level security: clients, servers, storage network devices, data transport, applications, Perimeter security: firewalls, Using public networks for secure data transport: VPNs, Data centers, Organizing storage on organizational networks.

Recommended Readings:

- i. Sjaak Laan, IT Infrastructure Architecture - Infrastructure Building Blocks and Concepts, Third Edition, Lulu Press Inc., 2017
- ii. Kenneth C. Laudon and Jane P. Laudon, Management Information Systems: Managing the Digital Firm, 16th Edition, Pearson, 2019
- iii. Peter M. Curtis, Maintaining Mission Critical Systems in a 24/7 Environment, 2nd Edition, Wiley-

IEEE Press, 2011

- iv. Kris Jamsa, Cloud Computing: SaaS, PaaS, IaaS, Virtualization, Business Models, Mobile, Security and More, Jones & Bartlett Learning, 2012
- v. Thomas Erl, Ricardo Puttini and Zaigham Mahmood, Cloud Computing: Concepts, Technology & Architecture, Pearson, 2013
- vi. M. Portnoy, Virtualization Essentials, 2nd ed., John Wiley, 2016

CNC3906 - Work Based Enterprise Placement

Credits – 9

Project management, project coordination, research, consultancy, training, feasibility study, requirement gathering, system analysis and design, software development, data analysis, software quality assurance and testing, systems installation and configuration, system deployment, system / network security, system maintenance , network management, video / graphic design, sales and marketing, customer relationship management, accounting, general administration, human resource management, operations management, customer support, hardware development.

Recommended Readings: N/A

Year Four

COM4901 - Final Year Individual Project

Credits – 9

Introduction to research project, research concepts, identification of the problem and objectives, writing and presenting the project proposal, Social, professional and ethical aspects of research, Background study, literature review, Developing the methodology, setting up the equipment, software and infrastructure, Carrying out the research and development, testing and iterative improvement, experimentation, data collection, evaluation and validation, Writing the project report, orally presenting and demonstrating the project to an audience.

Recommended Readings:

- i. Kate L. Turabian, A Manual for Writers of Research Papers, Theses, and Dissertations: Chicago Style for Students and Researchers, 9th ed., University of Chicago Press, 2018
- ii. Barbara Gastel and Robert A. Day, How to Write and Publish a Scientific Paper, 8th ed., Greenwood, 2016
- iii. William Strunk Jr., E. B. White, The Elements of Style, 4th ed., Pearson, 1999
- iv. Huma Anwar, Ehtiram Raza Khan, RESEARCH METHODS OF COMPUTER SCIENCE, 1st ed. Laxmi Publications Pvt Ltd, 2018

Websites

- v. <https://libguides.usc.edu/writingguide/oralpresentation>

COM4302 - IT Professionalism and Practice

Credits – 3

Computing as a profession and professionalism, professional bodies, code of conduct, Digital identity, ethics, laws and legal issues, social aspects of computing, intellectual property, piracy of software and

digital media, privacy and data protection, e-transactions, consumer protection, cybercrime, technology misuse and abuse, unauthorized access, freedom of expression and censorship, electronic surveillance, technology vs democracy, Writing and composition for professional communication.

Recommended Readings:

- i. Frank Bott, Professional Issues in Information Technology, 2nd ed. BCS Learning & Development Limited, 2014
- ii. Herman T. Tavani, Ethics and Technology: Ethical Issues in an Age of Information and Communication Technology, Wiley, 2006
- iii. Deborah G. Johnson, Computer Ethics, 4th ed., Pearson, 2009
- iv. Michael J. Quinn, Ethics for the Information Age, 7th ed., Pearson, 2016
- v. Joshua Hill, Nancy Marion, Introduction to Cybercrime: Computer Crimes, Laws, and Policing in the 21st Century, Praeger, 2016

CNC4301 - Advanced Computer Networks

Credits – 3

Digital data modulation, modulation techniques, fourier transformation applications, integrated service digital network: Access to ISDN, ISDN Layers, Broadband ISDN, X.25 Layers, Packet Layer Protocol, Multi-Media over Internet: P2P file sharing, Content Distribution Networks, RTP, RSVP, IP Multicasting (IGMP, MBONE, Multicast Routing/Transport/Congestion Control), Voice Digitization standards, G.729 and G.723 and H.323, high-speed networking: Metro-area GbE, Distributed Queue Dual Bus, Optical Networking, FDDI, SONET/SDH standards, Dense Wavelength division multiplexing (DWDM), Performance and design Considerations, traffic engineering, Optical Networking, cloud and virtualization: Network Virtualization, Cloud Routing, Optical Cloud, data center networks, cloud infrastructure, optical cloud, Hardware characteristics and materials, Standards, Common connectors, future and trends in networking, Overlay & Peer-to-Peer Networks, Data Center Networks, Software-defined networking (SDN), Real-time network design and protocol, Game theory and application in networks, low-power wide area network, networking in challenging environments.

Recommended Readings:

- i. Doug Lowe; Networking All-in-One For Dummies; For Dummies; 2018; ISBN: 978-1119471608
- ii. James Kurose, Keith Ross; Computer Networking: A Top-Down Approach; Pearson; 2016; ISBN: 978-0133594140
- iii. Jason Edelman, Scott S. Lowe, Matt Oswalt; Network Programmability and Automation: Skills for the Next-Generation Network Engineer; O'Reilly Media; 2018; ISBN: 978-1491931257
- iv. Scott Empson; CCNA Routing and Switching Portable Command Guide; Cisco Press; 2016; ISBN: 978-1587205880

CNC4302 - System Security

Credits – 3

System Thinking, What is a system, What is systems engineering, Holistic approaches, Security of general-purpose and special-purpose systems, Threat models, Trust, trustworthiness, confidentiality, integrity, and availability, System Management, Policy models, Policy composition, Security Policy, Commissioning and decommissioning, Insider threat, System Access, Authentication methods, Identity, Introduction to auditing and IT Control, IT audit planning and managing the IT audit function, Auditing IT Governance Controls,

Governance and Risk; Security: Auditing Operating Systems and Networks; Auditing, Database, Systems, Systems Development and Program Change Activities, Transaction Processing and Financial Reporting Systems Computer Assisted Audit Techniques, Business Ethics, Fraud, and Fraud Detection.

Recommended Readings:

- i. Abhishek Chopra, Mukund Chaudhary, Implementing an Information Security Management System: Security Management Based on ISO 27001 Guidelines, Apress, 2019
- ii. David Kim, Michael G. Solomon, Fundamentals of Information Systems Security, 3rd Edition, Jones & Bartlett Learning, 2016
- iii. Brook S. E. Schoenfield, Securing Systems: Applied Security Architecture and Threat Models, CRC Press, 2015
- iv. Charles P. Pfleeger, Shari Lawrence Pfleeger, Jonathan Margulies, Security in Computing, 5th Edition, Pearson, 2015
- v. Wiem Tounsi, Cyber-Vigilance and Digital Trust: Cyber Security in the Era of Cloud Computing and IoT, Wiley-ISTE, 2019
- vi. Chris Wright, Fundamentals Of Information Risk Management Auditing, IT Governance Publishing, 2016, ISBN: 978-1849288156
- vii. Ken E. Sigler, James L. Rainey, Securing an IT Organization through Governance, Risk Management, and Audit, Auerbach Publications, 2016, ISBN 9781498737319

CNC4303 - Cyber Security Analytics

Credits – 3

forensic tools and analytic tool, security control and security analytic software and tools, how security analytics tools work, the relationship between analytic software and tools and forensic, the type and classifications of analytic tools and techniques, collect, filter, integrate and link diverse types of security event information, Security intelligence Collection, analysis, and dissemination of security.

Recommended Readings:

- i. G. Johansen, Digital Forensics and Incident Response: A practical guide to deploying digital forensic techniques in response to cyber security incidents 1st ed. Kindle Edition, Packt Publishing, 2017
- ii. M. Rhodes-Ousley, Information Security: The Complete Reference, Information Security Management Concepts and Practice, 2nd ed. McGraw Hill, 2013.
- iii. R. Santanam, M. Sethumadhavan and M. Virendra, Cyber Security, Cyber Crime and Cyber Forensics: Applications and Perspectives: Applications and Perspectives, 1st ed. IGI Global, 2010.
- iv. K. J. Jones, R. Bejtlich, and W. R. Curtis, Real digital forensics: computer security and incident response, 1st ed. Addison-Wesley Professional, 2005.
- v. C. Sanders , J. Smith, Applied Network Security Monitoring: Collection, Detection, and Analysis, 1st ed. Syngress, 2013.

COM4303 - Data Science

Credits – 3

Statistical inference, statistical modeling, populations and samples, probability distributions, fitting a model, Intro to R, Exploratory data analysis and the data science process, Machine learning algorithms and usage in applications, linear regression, k-nearest neighbors (k-NN), k-means, filtering spam, naive Bayes, feature generation and selection, data visualization, natural language processing, mining social network graphs, Data science and ethical issues.

Recommended Readings:

- i. Jeffrey S. Saltz and Jeffrey M. Stanton, An Introduction to Data Science, SAGE Publications, 2017
- ii. Joel Grus, Data Science from Scratch: First Principles with Python, 2nd ed., O'Reilly, 2019
- iii. Cathy O'Neil and Rachel Schutt. Doing Data Science, Straight Talk from The Frontline. O'Reilly. 2013.
- iv. Foster Provost and Tom Fawcett. Data Science for Business: What You Need to Know about Data Mining and Data-analytic Thinking, O'Reilly, 2013

COM4304 - High Performance Computing

Credits – 3

Modern microprocessor systems, parallel computing, Distributed-memory computing, shared-memory computing, CUDA programming, OpenMP programming, NUMA, basic scalar optimization techniques, Performance analysis of parallel programs, debugging, benchmarking.

Recommended Readings:

- i. Georg Hager and Gerhard Wellein, Introduction to High Performance Computing for Scientists, 2nd ed. Chapman and Hall/CRC, 2018
- ii. Thomas Sterling, Matthew Anderson and Maciej Brodowicz, High Performance Computing: Modern Systems and Practices, 1st ed. Morgan Kaufmann, 2017
- iii. R. White and T. Downs, How Computers Work, 10th ed. Que Publishing, 2014
- iv. John Levesque, Gene Wagenbreth, High Performance Computing: Programming and Applications, CRC Press, 2010
- v. Shane Cook, CUDA Programming: A Developer's Guide to Parallel Computing with GPUs, 1st Edition

COM4305 - Database Server Management

Credits – 3

SQL, database triggers, maintaining data integrity with constraints, database administration, backup, recovery and concurrency control, database security, distributed databases, data warehousing, data encryption.

Recommended Readings:

- i. T. Connolly and C. Begg, Database Systems: A Practical Approach to Design, Implementation, and Management, 6th ed. Pearson, 2014
- ii. L. D. Haan, Mastering Oracle SQL and SQL*Plus 1st Corrected ed., Corr. 2nd ed, Apress, 2006
- iii. C. J. Date, An Introduction to Database Systems, 8th ed. Addison-Wesley, 2003

Journals

- iv. <http://tods.acm.org> ACM Transactions on Database Systems
- v. <http://www.oramag.com>, Oracle Magazine, <http://www.oramag.com>
- vi. <http://www.dbazine.com>, Database Magazine, <http://www.dbazine.com>

Websites

- vii. www.oracle.com www.dbdebunk.com asktom.oracle.com

- viii. Specialist equipment/resources, Oracle Database 11g Release 2 Enterprise Edition including SQLPlusT – How Computers Work (Que, 2003)

CNC4304 - Ethical Hacking and Countermeasures

Credits – 3

Definition and history of ethical hacking and tools, Authority and access rights to information, Notifications of the attempt, Risk perception and communication, Cyber hygiene, Cybersecurity user education, Cyber vulnerabilities and threats awareness, Social and Behavioral Privacy, Social theories of privacy, Social media privacy and security, Usability and user experience, Human security factors, Policy awareness and understanding, Privacy policy, Design guidance and implications, Sensitive personal data (SPD), Personal tracking and digital footprint, Work through the ethical hacking process: Scanning, Enumeration, System hacking, Trojan horses, Backdoors, Sniffers, Denial of service, Virus and worms, hacking concepts, security hacking, Commandments of ethical hacking, Skills of a professional ethical hacker, discover how to hijack web servers and web applications, professional hacking techniques: Penetration testing, Foot printing, Reconnaissance, Social engineering.

Recommended Readings:

- i. R. Baloch, Ethical Hacking and Penetration Testing Guide; Routledge, 2014, ISBN 978-1482231618
- ii. P. Engebretson, The basics of hacking and penetration testing: ethical hacking and penetration testing made easy, Syngress, 2011, ISBN 978-1597496551
- iii. EC Council, Ethical Hacking and Countermeasures: Web Applications and Data Servers, 2nd ed. Cengage Learning, 2016
- iv. EC Council, Ethical Hacking and Countermeasures: Attack Phases, 2nd ed. Cengage Learning, 2016
- v. EC Council, Ethical Hacking and Countermeasures: Secure Network Operating Systems and Infrastructures (CEH), 2nd ed. Cengage Learning, 2016
- vi. EC Council, Ethical Hacking and Countermeasures: Threats and Defense Mechanisms, 2nd ed. Cengage Learning, 2016

CNC4305 - Digital Forensics

Credits – 3

Investigation process, differences between cyber forensics and network forensics, Network forensics (packet analysis, tools, Windows, Linux, UNIX, Mobile), file system forensic (NTF, File Carving, disk and file encryption, data erasure, data masking), mobile phone forensic, information hiding & steganography, video forensic.

Recommended Readings:

- i. G. Johansen, Digital Forensics and Incident Response: A practical guide to deploying digital forensic techniques in response to cyber security incidents 1st ed. Kindle Edition, Packt Publishing, 2017
- ii. B. Nelson, A. Phillips, C. Steuart, Guide to Computer Forensics and Investigations (MindTap Course List), 6th ed, Cengage Learning, 2018
- iii. R. Santanam, M. Sethumadhavan and M. Virendra, Cyber Security, Cyber Crime and Cyber Forensics: Applications and Perspectives: Applications and Perspectives, 1st ed. IGI Global, 2010.

CNC4306 - System and Network Administration**Credits – 3**

Essential duties of a system administrator, Suggested background, Linux distributions, Notation and typographical conventions, Booting and System Management Daemons, Scripting and the Shell, Scripting philosophy, Shell basics, sh scripting, Regular expressions, Python programming, Ruby programming, Library and environment management for Python and Ruby, Revision control with Git, Logging, Management and rotation of log files, Access Control and Rooty Powers, Standard UNIX access control, Management of the root account, Extensions to the standard access control model ,Modern access control, User Management, Account mechanics, The /etc/passwd file, The Linux /etc/shadow file, The /etc/group file, Manual steps for adding users, Scripts for adding users: useradd, adduser, and newusers, Safe removal of a user's account and files, Risk reduction with PAM, Centralized account management, Process Control, Drivers and the Kernel, Kernel chores for system administrators, Devices and their drivers, Linux kernel configuration, Booting, Printing, Security, Elements of security, Basic security measures, Passwords and user accounts, Security power tools, SSH, the Secure Shell, Firewalls, Virtual private networks (VPNs), Certifications and standards, When your site has been attacked, Monitoring, The monitoring platforms, Data collection, Network monitoring, Systems monitoring, Application monitoring, Security monitoring, Single Sign-On, Core SSO elements, LDAP: “lightweight” directory services, TCP/IP Networking, Packet addressing, Routing, IPv4 ARP and IPv6 neighbor discovery, DHCP, Basic network configuration, Linux networking, Network troubleshooting, Network monitoring, Firewalls and NAT, Ethernet, Wireless, Network testing and debugging, IP Routing, Packet forwarding, Routing daemons and routing protocols, Cisco routers, DNS, DNS for lookups.

Recommended Readings:

- i. UNIX and Linux System Administration Handbook, by Evi Nemeth, Garth Snyder, Trent Hein, Ben Whaley, Dan Mackin, 5th Edition, 2018.
- ii. Linux Administration: The Linux Operating System and Command Line Guide for Linux Administrators, by Jason Cannon, 2016.
- iii. TCP/IP Network Administration, by Craig Hunt, 3rd Edition, 2002.

CNC4307 - Cloud Computing and Virtualization**Credits – 3**

Introduction, benefits, risks, and challenges of cloud computing, cloud infrastructure, datacenter components, power calculations, virtualization, Amazon EC2, software defined networks, software defined storage, cloud storage, distributed file systems, cloud databases, programming models, software as a service, infrastructure as a service, platform as a service, mobile back end as a service, serverless computing, function as a service, Vulnerabilities and example exploits.

Recommended Readings:

- i. Michael J. Kavis, Architecting the Cloud: Design Decisions for Cloud Computing Service Models (SaaS, PaaS, & IaaS), 1st ed. Wiley, 2014
- ii. Raghuram Yeluri, Building the Infrastructure for Cloud Security, Apress, 2014
- iii. Thomas Erl, Cloud Computing: Concepts, Technology & Architecture, 1st ed. Prentice Hall, 2013
- iv. Bernard Golden, AWS for Dummies, For Dummies, 2013

COM4307 - Internet of Things**Credits – 3**

Introduction-concepts behind IoT, technologies behind IoT, M2M and IoT technology fundamentals, devices and gateways, local and wide area networking, data management, business processes in IoT, IoT reference architecture, functional view, information view, deployment and operational view, creative thinking, modifications, combination scenarios, breaking assumptions, Real-world design constraints, industrial automation, data representation and visualization, interaction and remote controls, service-oriented architecture-based device integration

Recommended Readings:

- i. Jan Holler, Vlasios Tsiatsis, Catherine Mulligan, Stefan Avesand, Stamatis Karnouskos and David Boyle, From Machine-to-Machine to the Internet of Things: Introduction to a New Age of Intelligence, Academic Press, 2014
- ii. Vijay Madisetti and Arshdeep Bahga, Internet of Things (A Hands-on-Approach), Published by Authors, 2014
- iii. Francis daCosta and Byron Henderson, Rethinking the Internet of Things: A Scalable Approach to Connecting Everything, Apress, 2014

COM4308 - Operational Research**Credits – 3**

Modeling with linear programming, geometrical solution to problems with two decision variables, simplex method including Big M-method and two phase method of a solution of problems with mixed constraints, duality in linear programming, transportation and assignment problems, transshipment problems, theory of zero sum, two person matrix games, Revised simplex algorithm, dual simplex algorithm, sensitivity analysis, and parametric programming, Integer programming, Gomory's cutting plane, branch and bound, the knapsack problem, dynamic programming, the inventory model, non-linear optimization, introduction to network algorithm including minimum connector problems: shortest and longest path algorithms and critical path analysis, Operations research software (TORA), optimization for linear programming.

Recommended Readings:

- i. Taha, H. A, Operations Research: An Introduction, 10th edition, Prentice Hall (2016).
- ii. Winston, W. L, Operations Research: Applications and Algorithms, 4th edition, (2003).

SEN4304 - Advanced Web Technology**Credits – 3**

Web 2.0 technologies, web frameworks, Architectural patterns in PHP, rich internet application with Ajax, HTML5 programming, XML and web feeds, patterns for e-business, make your site mobile, web server performance and optimization.

Recommended Readings:

- i. A. Singh, Advanced Web Technologies Simply In Depth: Servlet, JSP, Web Services, C#, ASP .NET, XML, AJAX Paperback, Independently published, 2018
- ii. J. Left, Bootstrap 4 Quick Start: Responsive Web Design and Development Basics for Beginners Kindle Edition, Bootstrap Creative, 2018
- iii. M. Zandstra, PHP Objects, Patterns, and Practice, 5th ed. Apress, 2016

- iv. <http://uk.php.net/>
- v. <http://jquery.com/>
- vi. <http://www.w3.org/XML/>
- vii. <http://www.w3.org/2001/sw/>

MIS4307 - Entrepreneurship**Credits – 3**

What is entrepreneurship, the typology of entrepreneurship, social enterprise where entrepreneurial ideas come from, The role and importance of small firms, factors to consider, international aspects of entrepreneurship, Entrepreneurial characteristics and mindset, skills set of the entrepreneur, personal entrepreneurial tendency, the factors that influence the decision to start a business, Factors that influence the decision to start a business, the risks and rewards of business start-up.

Recommended Readings:

- i. Heidi M. Neck, Christopher P. Neck, Emma L. Murray, Entrepreneurship: The Practice and Mindset, SAGE Publications, 2017
- ii. Peter F. Drucker, Innovation and Entrepreneurship, Harper Business, 2006
- iii. Paul Burns, Entrepreneurship and Small Business. 4th ed. Red Globe Press, 2016
- iv. Sara Carter, Dylan Jones-Evans, Enterprise and Small Business: Principles, Practice and Policy, 3rd ed., Pearson, 2012
- v. Simon Down, Enterprise, Entrepreneurship and Small Business, Sage, 2010

6. FACULTY STAFF

Permanent Staff

1. **Dr. Sunimal Rathnayake – PhD in Computer Science, BSc. Eng (Hons) in Computer Science & Engineering**
Honorary Dean, Faculty of Computer Science & Engineering, KIU
2. **Ms. Athukoralage Nilusha Chamindi Perera - MSc in Information Technology, BSc (Hons) in Information Technology**
Head of the Department/ Senior Lecturer (Grade II), Department of Computer Science, Faculty of Computer Science & Engineering, KIU
3. **Mr. Gavesha Dissanayake - Master (Computer Science -Reading), BIT**
Lecturer (Probationary), Department of Computer Science, Faculty of Computer Science & Engineering, KIU
4. **Mr. H.M. Pulathisi Samarawickrama**
Lecturer (Probationary), Department of Computer Science, Faculty of Computer Science & Engineering, KIU
5. **Mr. Vinura Gunathilaka – BSc (Hons) in IT (Cyber Security) (SLLIT)**
Lecturer, Faculty of Computer Science and Engineering

Visiting Staff

1. **Ms. K.W. Nikini Umasha Amarapala – MSc in Advanced Software Engineering (Reading), BSc (Hons) in IT (Cyber Security) (SLLIT)**
Lecturer, Faculty of Computer Science and Engineering
2. **Mr. Thamindu Heiyanthuduwa MSc in Advanced Software Engineering (Reading), BSc (Hons) in IT (Cyber Security) (SLLIT)**
Lecturer, Faculty of Computer Science and Engineering

Consultant

1. **Dr. M.P. Adeesha Praveen Wijayasiri - PhD (Computer Engineering) (UoF) (USA), MSc (Computer Engineering) UoF (USA) BSc Engineering (Hons) (Computer Science & Engineering) (UoM)**
Senior Lecturer/Department of Computer Science and Engineering, Faculty of Engineering, University of Moratuwa, Sri Lanka

7. PERSONAL AND PROFESSIONAL DEVELOPMENT FOR ALL STUDENTS OF KIU

Portfolio Maintenance

With a view of developing personality and professionalism, all students are required to maintain a Portfolio. All the students of KIU are obliged to prepare their individual portfolios. It is a mandatory requirement.

A portfolio is a living and changing collection of records that reflect a student's accomplishments, skills, experiences, and attributes. It highlights and showcases samples of some of the best work, along with life experiences, values, and achievements. The personal information that a student incorporates into the portfolio can greatly reflect on their abilities as an individual. This also becomes a useful tool in marketing oneself to employers, corporations, colleges, and universities. A portfolio does not take the place of a resume, but it can accentuate a student's abilities and what one can offer in the chosen field.

A portfolio can differentiate a student from other applicants in professional or academic settings.

- It allows the student to be more personal and creative in order to expand on and exhibit one's skills, knowledge, projects, and experiences.
- A portfolio is a method of self-discovery and confidence building.
- It is a multi-faceted way to organize accomplishments, goals, aspirations, and personal thoughts. It showcases student's personalities to potential employers and organizations.
- It is a useful tool to include in an interview. It provides tangible proof of a student's skills and abilities and demonstrates to the employer that the student is qualified for that specific job.

With reference to the highly competitive labor market, it is a hard fact that all the graduates who enter the job market will have to face rigorous competition with peers to be employed. Therefore, KIU has developed this mechanism to mold the student in a way that they will be assessed upon the completion of this project. Further, this would encourage the student to be an all-rounder who is not merely academically focused but as a person well-groomed, mannered, and team player who is ready to ascend the corporate ladder.

Components of the Student Portfolio

1. Updated CV
2. Brief introduction about the student
3. SWOT Analysis
4. Academic and professional education excellency
5. Sports achievements and engagements

6. Work experience
7. Leadership roles
8. Aesthetic activities involvement
9. Conferences attended
10. Research and publications
11. Community development projects
12. Other extracurricular activities (organized/ engaged)
13. How the student differs from the other
14. Reference from the academic staff of KIU
15. Independent references (from clergy, professionals, Grama Niladhari, etc.)
16. Religious observances according to their faith.
 - Church (at least once a month)
 - Temple (at least once a month and observing sil twice a year)
 - Kovil (at least once a month)
 - Mosque (at least once a month), etc.
17. Other

Note: All included in the above list should be facilitated with evidence such as images certificates and letters signed by authorities. **For no.16 all the students shall provide the certification from the chief REVEREND.**

Important Facts to be considered when preparing a Portfolio

Students shall note that this is a professional document and should be prepared in English. Further, during the development of this document, the given points should be reflected upon:

- is professionally and accurately reflecting your skills,
- is specific and occupationally focused,
- is easy to update and view,
- is self-explanatory,
- supports the information presented in the resume/ CV.

Evaluation Process

- In the beginning of each semester PPD evaluation sessions will be conducted for each batch.
- The examiners will evaluate the portfolio presentation using a common marking format developed within the KIU.
- In the final semester, the PPD evaluation will be conducted as a face-to-face interview, where the students are required to present their achievements throughout the 4 years of their degree program.
- Participation for the PPD evaluation is mandatory for the student, the issuing of the student recommendation letters will be based on the PPD evaluation.
- At the end of the PPD session and on graduation separate certificate for PPD will be issued.

Grading of PPD Evaluation

Range of Marks Z%	Implication
80- 100	<i>Exceptional</i>
75- 79	<i>Outstanding</i>
70- 74	<i>Excellent</i>
65- 69	<i>Very Good</i>
60- 64	<i>Good</i>
57- 59	<i>Very Satisfactory</i>
54-56	<i>Satisfactory</i>
50- 53	<i>Minimum pass</i>
45- 49	<i>Below a pass</i>
40-44	<i>Weak</i>
30-39	<i>Very weak</i>
00-29	<i>Fail</i>
	<i>Absent - no reason</i>
	<i>Absent – Medical reason</i>

8. GENERAL RULES AND REGULATIONS FOR STUDENTS

8.1 Dress Code for Students at KIU

KIU expects students to dress appropriately in attire generally known as ‘smart casual’ in nature from the registered date until the last 6 months of their academic period before graduation.

- i. Students shall wear, decent, casual attire including pants, shirts, skirts, blouses, sarees, and dresses that are appropriate for a university environment.
- ii. T-shirts, all types of jeans, and pants of full length are considered appropriate for lectures or practical work but shall not be worn for presentation examinations. Sportswear or workout clothing, including leggings, is not considered as appropriate attire.
- iii. Pants shall be worn fastened securely at the waist and shall not sag below the waistline.
- iv. Caps or hats, unless worn for medical reasons are not considered appropriate attire. Students seeking approval to wear headgear as medical means may make a written request to the Registrar.
- v. Wearing concealing clothes that prevent the clear identification of the student is strictly prohibited (the face should be clearly visible at all times).
- vi. However, female and male students are allowed to wear appropriate religious headgears ensuring that faces are fully revealed for identification purposes.
- vii. Clothing shall be neat, clean, and free from offending odors.
- viii. Non-overwhelming perfumes or light colognes are allowed to be worn in class.
- ix. At KIU premises students shall wear footwear provided by KIU. Personal footwear shall be removed and stored neatly in the lockers provided. Strict adherence to this rule is expected where anyone who fails to do so will be subjected to a penalty of LKR 10,000/- or above as determined by the KIU administration. However, the students are allowed to wear appropriate professional footwear for presentation examinations with the approval of the relevant academic department.
- x. Jewellery shall be conservative in style and kept to a minimum. Nose piercing is not permitted except for religious purposes. Ear piercing is not permitted for male students. No student shall have visible tattoos or artificial markings on any exposed part of their body. This rule is applicable only for local students.
- xi. Hair shall be neat and clean and styled off the face and out of the eyes. Fancy hair coloring is strictly prohibited.
- xii. All male students are advised to maintain a short and appropriate haircut. The male students shall request a special permission from the Registrar, if they have a special reason to maintain a long hair.

- xiii. Hair, beards and mustaches shall be clean and well-groomed.
- xiv. Nails shall be clean, well-groomed, manicured, and of short to medium length.
- xv. As stipulated in the Laboratory guidelines, all the students who are entering to the science laboratories shall maintain their hair tied up off from the face and all the students shall wear lab coats, lab shoes and lab goggles during the laboratory sessions.

**If a student is joining KIU, it is mandatory to adhere to the above-mentioned rules and regulations. Anyone who does not agree for the said rules and regulations, are advised not to register with KIU. The above rules and regulations can be subjected to change according to the special requirements through KIU administrative decisions.

8.1.1 Dress Code and Etiquettes for Final Year Students (Last Semester)

All the final year students in the last semester shall attend a special workshop regarding the dress code and etiquette. All the students shall follow the guidelines as specified below. KIU will especially monitor personal grooming in the final year. As a **GRADUATE** the next stage in life is most important to achieve career goals. It depends on the graduates' **SMART** professional behavior. As such following attire is required by all final-year students.

Male Students:



- i. All male students shall wear black trousers with a long sleeves' white/light color shirt with a collar.
- ii. Ear/nose piercing is not permitted for male students. No student shall have visible tattoos or artificial markings exposed on any part of their body.
- iii. Hair shall be neat and clean and styled off the face and out of the eyes. Fancy hair coloring is strictly prohibited. Beards and mustaches shall be clean and well-groomed.
- iv. Students shall wear clean white socks and polished black shoes. These shoes shall not be worn inside KIU premises. Slippers provided by KIU shall be worn with socks.

Female Students:

- i. All female students shall dress in black trouser or a black skirt with a suitable blouse or professional dress that is appropriate for a university environment.
- ii. Jewelry shall be conservative in style and kept to a minimum. Nose piercing is not permitted except for religious purposes. No student shall have visible tattoos or artificial markings exposed on any part of their body.
- iii. Hair shall be neat and clean and styled off the face and out of the eyes. Fancy hair coloring is strictly prohibited.
- iv. All the students shall wear appropriate black shoes as appropriate for the office environment. These shoes shall not be worn inside KIU premises. Slippers provided by KIU shall be worn.

All the Students:

- i. Shall bring their breakfast and lunch in an appropriate food container or a box with a serviette.
- ii. Use appropriate cutlery items to eat main course food items.
- iii. Use an appropriate professional bag to keep personal items.

8.2 General Rules and Regulations

- i. Upon admission to KIU, students will be issued an identity Card from the Student Liaisons Office within two weeks. This Identity Card (ID) shall be always worn by the students at KIU premises. Failure to do so will result in the student being subjected to a penalty of LKR 5,000/- per incident.
- ii. In the event of loss of a student ID card, LKR 10,000/- will be levied for re-issuance of the ID.
- iii. If a student fails to produce or refuses to produce the Identity Card when called upon to do so by an authorized officer Ex: Security/Marshall of KIU, such student shall be deemed to be guilty of an offense punishable under these By-Laws.
- iv. It's the student's responsibility to ensure that the locker and the key provided to them are not lost or damaged. Students are liable for a penalty of LKR 5,000/- for such an act of negligence on their part. The reissuance of the locker keys is handled by the Student Liaisons office according to the standard procedures, and upon completion of the payment.
- v. Students will receive a KIU email address and the necessary system logins through the Student Liaison Office. All the notices/announcements will be circulated to the student's KIU email address and all the lecture materials will be uploaded to the LMS /Ms. Teams portal for reference. The students are strictly prohibited to use the KIU email address for personal, unauthorized and illegal activities.
- vi. Furthermore, in case a student misuses the KIU email address and is reported by a third party or revealed by KIU authorities the student shall be subjected to disciplinary actions and legal actions. If the relevant student/s is/are found guilty in the relevant legal proceedings, the student/s shall pay the respective legal fee incurred to KIU as well as the indemnification payable to the third party decided at the legal proceedings and the penalty fee decided at the disciplinary hearing. Also, the student is bound to pay KIU a fee of LKR One Million or above for the damage inflicted to the goodwill of KIU.
- vii. Any change of permanent address/postal address shall be immediately brought to the notice of the Head of Student Liaison, including personal contact details and parent or guardian contact details. KIU will not be responsible for failure on the part of the student to update and furnish this information.
- viii. Students are responsible to fill "Students' Feedback Forms" during their study period at KIU.
- ix. Students shall maintain proper standards of conduct and behavior. If any student fails to abide by proper standards of conduct and behavior, the relevant student/s is/are banned from entering KIU premises or any academic session for a minimum period of 2 weeks and a maximum decided by the relevant authorities (Registrar/Disciplinary Committee) of KIU.
- x. If any students transgress the rules and regulations of other institutions that students may visit as part of their courses, shall be punishable by suspension of student registration for a minimum period of six months or being expelled from KIU, depending on the severity of the offense committed and if proven guilty according to the Disciplinary Committee proceedings.

- x. Smoking, consuming alcohol and illicit drugs are prohibited within the KIU premises. Students shall not enter the institutional premises under the influence of alcohol. Being under the influence of any of the said substances or any other controlled narcotics will be considered an offense and may be subjected to a suspension of a minimum period of six months or being expelled from KIU and student will not be allowed to enter KIU premises for any purpose including examinations in such a situation, if proven guilty according to the Disciplinary Committee proceedings.
- xii. In case of an external person/group wishes to visit KIU introduced by a KIU student/s the introducer/s shall get prior approval from the Head of Student Liaison/nominated authorized person. Entering KIU without prior permission is strictly prohibited for non-KIU personals.
- xiii. Students from other institutions or any other visitor/s is/are requested to conform to the rules of KIU, during the visit to KIU. If any complaints are received, on disregarding the rules and regulations set by KIU, and the invited person causes damage to KIU, a complaint will be lodged in the police and a disciplinary inquiry will be held against the invitee where he/she may be subjected to the disciplinary action including monetary penalties.
- xiv. Student attendance will be marked in all teaching sessions. The attendance will be evaluated at the end of each semester. An 80% attendance or 80% completion of tutorials for those who missed lectures is mandatory to sit for the examinations. If a student is unable to attend the lectures and complete the tutorials held in place of lectures for valid reasons, shall submit a formal letter and valid evidence to the Head of the Department (HOD) of the respective department for certification shall then be forwarded to the Student Liaisons Office.
- xv. If a student fails to submit a valid excuse with evidence as mentioned in point XIV, the student will be eligible to sit for the subsequent examinations and shall receive a maximum grade of a 'C' for that relevant module. Repeat examination charges will be applicable to this student.
- xvi. Students are prohibited from organizing public meeting/unauthorized meetings, student societies or other student association within the institutional premises, unless prior written permission is obtained from the Head of the Department/Dean, Head of Student Liaison and the Registrar of KIU.
- xvii. Student Circles, student associations and other student bodies can only be formed with the approval of the above mentioned (Point XVI) authorities and through the guidance of the student welfare committee.
- xviii. The holding of an unauthorized meeting inside KIU shall be considered as an act of indiscipline and student/s who organized/participated in such unauthorized meetings will be subjected to a disciplinary hearing and may be followed by disciplinary action (Monetary penalty or other) if proven guilty according to the Disciplinary Committee proceedings.
- xix. If a student plan to conduct any such meetings outside KIU premises representing the students of KIU, he/she shall obtain prior written permission from the Head of the Department/ Dean, Head of Student Liaison, and the Registrar of KIU, and if any student fails to get the permission, he/she will be subjected to a disciplinary hearing and may be followed by disciplinary action (Monetary penalty or other) if proven guilty according to the Disciplinary Committee proceedings.

- xx. Unless prior consent of the Head of the Department/Dean, Head of Student Liaison, and the Registrar has been obtained no subscriptions shall be collected from fellow students of KIU by any student(s). It is strictly prohibited to misuse such collections for any other purpose than the intended purpose intimated when obtaining the approval. If any student collects subscriptions unauthorizedly, such student/s shall be subjected to a disciplinary hearing and may be followed by disciplinary action (Monetary penalty or other) if proven guilty according to the Disciplinary Committee proceedings and per the student shall settle any outstanding fees, as well as payback any subscriptions which may have been collected along with any damages as may be determined by KIU.
- xxi. Students shall not engage in any activity that may cause damage to KIU property, intellectual or physical to KIU and any student/s that engages or advice to do so in such acts will be deemed guilty of an offense punishable as per the rules and regulations of KIU. KIU retains the sole authority to assess damages as it may seem fit and to impose on the guilty party to reimburse the damages and/ or fines whichever is applicable. The students involved in such incidents will be subjected to disciplinary hearing and may be followed by disciplinary action (Monetary penalty or other) if proven guilty according to the Disciplinary Committee proceedings.
- xxii. In the event a student/s is/are held responsible for any property damage or any item belonging to KIU, the student shall pay damages to KIU, and the student will not be allowed to continue his/her studies until the damages are covered. Failure to pay the penalties shall be a cause for suspension and subsequent termination of studentship at KIU as determined by the Disciplinary hearing outcome.
- xxiii. If any student or group of students are involved in a discord leading to a brawl inside KIU premises, the relevant batch referee/students witnessing the incident shall immediately inform the authorized staff member of the Student Liaison Office. KIU reserves the right to take disciplinary action against such student/s and impose a penalty. Such student/ students involved will be subjected to a disciplinary hearing and may be followed by disciplinary action (Monetary penalty or other) if proven guilty according to the Disciplinary Committee proceedings.
- xxiv. Tarnishing the KIU image and goodwill (reacting favorably / sharing / adverse commenting) on any social media/YouTube/any other public website by students are considered as punishable offences. Disciplinary action will be instituted against such student/s and a penalty can be imposed upon the offender/or immediate dismissal or both. Such student/s involved will be subjected to a disciplinary hearing and may be followed by disciplinary action (Monetary penalty, suspension or other) if proven guilty according to the Disciplinary Committee proceedings.
- xxv. Students are strictly prohibited from unauthorized sharing of KIU official materials such as letters/emails/published results sheets issued to the student and KIU related videos on any social media or public platforms and handing over such materials to third parties with the aim of harming KIU. Such student/s involved will be subjected to a disciplinary hearing and may be followed by disciplinary action (Monetary penalty, suspension or other) if proven guilty according to the Disciplinary Committee proceedings.

- xxvi. Students shall refrain from creating or associating with unauthorized groups / committees, that are used to publicly criticize KIU, to make defamatory or offensive comments regarding KIU or any member of staff attached to KIU on Facebook or any other social media platform. Such student/s involved will be subjected to a disciplinary hearing and may be followed by disciplinary action (Monetary penalty, suspension or other) if proven guilty according to the Disciplinary Committee proceedings.
- xxvii. Students are strictly prohibited to use the official logo of KIU without written permission from the Registrar. If any student/s wishes to use the official logo of KIU, the student shall officially request it from the Student Liaison Office. Such student/s who use the logo without permission will be subjected to a disciplinary hearing and may be followed by disciplinary action (Monetary penalty, suspension, or other) if proven guilty according to the Disciplinary Committee proceedings.
- xxviii. KIU will call for a parents' meeting annually and the Student Liaison Office will officially inform this to the students and through them to their parents as well. It is the students' responsibility to see that their parents (at least one of the parents/ legal guardian) attend these meetings. Due to any valid reason, if the parent/ guardian is unable to attend such scheduled meetings/ discussions, the students shall inform the Academic department / Student Liaison Office prior to a minimum of 3 days before the meeting date, about their inability to attend such meetings with a formal excuse letter addressed to the Registrar.
If such is the case the student shall ensure they obtain a fresh date from Academic department / Student Liaison Office for their parent/guardian to meet the staff. Failure on the part of the student to comply with the above will be a punishable offence (Monetary) and shall be subjected to a inquiry by the relevant academic department.
- xxix. It's the student's responsibility to ensure that the KIU slippers provided to them are not lost or damaged. Students are liable for a penalty of the cost of slippers for such an act of negligence on their part.
- xxx. Students will be charged a fee of LKR 2,000/-, LKR 10,000/- and LKR 15,000/-respectively for the reissuance of one copy of each of the semester result sheet, transcript, and certificates.
- xxxi. If a student requests for the reissuing of a certificate due to the submission of an incorrect name by the relevant student, a fee of LKR 20,000/- will be charged from the student to receive a new certificate.
- xxxii. The initial student confirmation letter will be issued free of charge, but subsequent letters will be charged with a fee of LKR 1,000/- for each letter. Where a copy of the first letter is produced it will be certified free of charge.

Failure to collect any such letter within a period of sixty days from the date of issue from the Student Liaison Office, a fine of LKR 1000/- will be levied. If the student fails to collect / pay the fine, no letter will be issued for the particular student from KIU in the future.

- xxxiii. KIU shall deliver lectures through the online learning mode, when necessary, as and when the situation demands. Therefore, all students shall have the necessary internet access for their studies on such occasions.
- xxxiv. Facility to charge laptops is provided in the cafeteria. Students are strictly prohibited from charging their laptops in any other locations at KIU.
- xxxv. Students shall strictly refrain from offering bribes of any nature to staff members and such students will be subjected to disciplinary actions. if proven guilty according to the Disciplinary Committee proceedings.
- xxxvi. Disruptive behavior which interferes or threatens to interfere the operations of KIU, are strictly prohibited and it will be considered a punishable offense. Such student/s involved will be subjected to a disciplinary hearing and may be followed by disciplinary action (Monetary penalty, suspension, or other) if proven guilty according to the Disciplinary Committee proceedings.
- xxxvii. Using loud and offensive language inside classrooms, or when dealing with KIU officials is considered a punishable offense. Such student/s involved will be subjected to a disciplinary hearing and may be followed by disciplinary action (Monetary penalty, suspension, or other) if proven guilty according to the Disciplinary Committee proceedings.
- xxxviii. Threatening, causing bodily damage to a member of staff, other students or visitors of KIU is considered a punishable offense. Such student/s involved will be subjected to a disciplinary hearing and may be followed by disciplinary action (Monetary penalty, suspension, or other) if proven guilty according to the Disciplinary Committee proceedings.
- xxxix. Sending abusive or threatening emails, texts, voice messages, phone messages or other communications is considered a punishable offense. Such student/s involved will be subjected to a disciplinary hearing and may be followed by disciplinary action (Monetary penalty, suspension, or other) if proven guilty according to the Disciplinary Committee proceedings.
- xl. KIU encourages students to directly convey any issue or grievance officially to the Grievance of Committee of KIU (grievances@kiu.ac.lk).
- xli. If a student tarnishes the KIU title/image by any action not described above the KIU management reserves the right to take necessary actions. Such student/s involved will be subjected to a disciplinary hearing and may be followed by disciplinary action (Monetary penalty, suspension, or other) if proven guilty according to the Disciplinary Committee proceedings.
- xlii. KIU reserves the right to change any of the conditions, fees, or penalties mentioned above at the discretion of the Board of Management of KIU. The changes will be duly notified to the students via the student portals / email communications and by other means.
- xliii. Board of Management of KIU will be the sole authority to preside over any dispute, clarifications, and interpretation of the rules and regulations provide here and in any subsequent version of these rules and regulations of KIU.

- xliv. These rules and regulations may change from time to time at the discretion of the Board of Management of KIU. KIU reserve the right to evaluate each offense independently or consider them in unison.
- xlv. KIU reserve the right to pursue legal action where appropriate for any breach of these rules and regulations in a Court of Law in Sri Lanka and if the relevant student/s is/are found guilty in the relevant legal hearings, the student/s shall pay the respective legal fee incurred to KIU as well as the indemnification shall be covered by the student, and these fee will be determined by the Board of Management of KIU.
- xlvi. Any person who commits or participates in ragging within or outside an educational institution shall be guilty of an offence under the Act No,919 of 2010 issued for Sri Lankan Universities and HEIs, related to the controlling of Ragging incidents.

*** All students shall pay the above-mentioned penalties related to various situations within a period of two weeks from the issuance of a notice to do so. If not, such students shall not be permitted to continue their studies at KIU/ may be subjected to the cancellation of registration. Further, the student will have to pay the re-registration fee of LKR 10,000/- with the assigned penalty to resume the academic work.*

*** KIU Board of Management reserves the right to withhold examination process/ graduation process including the withholding of examination results and final GPA results in case of unresolved Disciplinary matter or upon ongoing investigation related to disciplinary case as determined by the Student Disciplinary Committee/ SDC inquiry panel, appeal panel appointed by the Board of Management or Board of Management.*

8.3 Rules for obtaining Duplicate/Triplicate Degree Certificates/Transcripts

- i. In case of loss or destruction of the certificate/transcript beyond verification due to natural disaster, a candidate may obtain a duplicate degree certificate/transcript on applying to the Registrar, KIU with receipt of a prescribed fee, police report, verification of the disaster by Grama Sevaka of the area and an affidavit certified by a Notary. The decision of the Registrar shall be final.
- ii. In the event of the certificate being damaged or spoiled due to a natural disaster, the candidate may obtain a duplicate degree certificate/transcript by applying to the Registrar, KIU and submitting the remnants degree certificate/transcript, and producing the receipt of the prescribed fee, an affidavit signed by the candidate in the presence of a Justice of Peace (JP). On ascertaining whether the remnants produced, have been issued by the KIU and or not, and on verifying the details therein, a duplicate may be issued. The decision of the Registrar shall be final.
- iii. If the certificate is lost/stolen a candidate may obtain a duplicate degree certificate/transcript on applying to the Registrar, KIU with receipt of a prescribed fee, police report, and an affidavit certified by a Notary. The decision of the Registrar shall be final.
- iv. If the certificate is lost in a foreign country, a candidate may obtain a duplicate degree certificate/transcript on applying to the Registrar, KIU with receipt of a prescribed fee, and certification of loss of degree certificate/transcript from the Embassy/Consulate of that country. The decision of the Registrar shall be final.

- v. All the relevant documents required in obtaining the duplicate/triplicate of degree certificate/transcript must be sent via registered post addressed to the Registrar of KIU, Koswatta, Battaramulla.
- vi. No degree certificate/transcript can be obtained again after issuing triplicate copies.
- vii. Fees for the issue of duplicate/triplicate degree certificate and transcript.

	Duplicate	Triplicate
Degree Certificate	Rs. 15,000/-	Rs. 20,000/-
Transcript	Rs. 10,000/-	Rs.15,000/-



9. EXAMINATION RULES AND REGULATIONS

9.1 Eligibility to sit for the examination

If a student has not paid his/her dues on time, he/she has to settle all their dues seven days prior to the scheduled examination date including clearance of any bank deposits made towards these dues. If any student fails to comply with the above, he/she shall not be allowed to sit for the scheduled examination and considered as forfeited the said examination. No excuses in this regard are accepted.

**For group assessments (assignments, presentations) students should register in the group at the beginning of each semester according to the given instructions by the relevant academic department (Batch coordinator). Requests related to change of groups will not be accommodated unless for a valid reason approved by the relevant HOD. In case of change of groups, it has to be a mutual exchange between two groups to ensure the composition of each group and it has to be with the consent of both parties subjected to the exchange.

9.2 Attendance

Candidates shall be in attendance outside the examination hall at least 15 minutes before the commencement of the examination but shall not enter the hall until they are requested to do so by the Supervisor.

9.3 Seating

On admission to the hall, a candidate shall occupy the seat allotted to him/her and shall not change it except on the specific instructions of the Supervisor.

9.4 Admission to the examination hall

No candidate shall be admitted to the examination hall for whatever reason after the expiry of half an hour from the commencement of the examination.

9.5 Entering and leaving the examination hall

Candidates who finish early may be allowed to hand over their answer scripts and all the issued materials to the invigilator and leave the examination hall without disturbing the other candidates. However, candidates should not be allowed to leave the hall within the first 30 minutes and during the last 30 minutes of the examination.

In practical examination sessions, no student will be allowed to leave the examination area for the entire duration of the examination.

9.6 Identity verification

Candidate shall have his/her student ID Card with him/her on every occasion he/she presents himself/herself for an examination.

His/her candidature is liable to be cancelled if the candidate does not produce the student ID Card.

If a candidate loses his student ID Card in the course of the Examination, he/she should inform the Head of Examination with the related police complaint entry documents regarding the loss of the ID card. The student can use the official letter issued by the Registrar/Head of Student Liaison in order to take part in the upcoming examinations in the same semester where the student shall take necessary actions to either recover the ID or acquire a duplicate examination according to guidelines of KIU. The student shall however produce the ID for the next semester examination and the previous issued letter is valid.

9.7 Admission sheet

Candidates should sign the admission sheet in the presence of a supervisor or invigilator who shall witness each signature. Completed admission sheets will be collected by the invigilates and will be handed over to the supervisor. The supervisor shall in turn hand over the packet of admission sheets to the Head of the Examination.

9.8 Unauthorized material

No candidate shall have in possession, (e.g.in his/her clothes, on the admission card, timetables, record book, or any other object he is permitted to bring into the examination hall) any notes, signs, and formula, or any other unauthorized material. Books, notes, parcels, handbags, mobile phones, or any other electronic communication devices, etc. which a candidate has brought should be kept outside the examination hall.

9.9 Article's candidate may bring

Candidates shall bring their own pens, ink, erasers, pencils, or any other equipment which the candidates have been instructed to bring. Only transparent pencil cases are allowed.

9.10 Declaration of articles in possession

A candidate may declare any item in his possession or person if required by the Supervisor.

9.11 Copying

No candidate shall copy or attempt to copy from any unauthorized book, paper, notes, mobile phone, electronic devices, similar material, or from the scripts of another candidate. The candidate shall neither help another candidate nor obtain help from another candidate or any other person.

Candidate neither shall conduct himself/herself so negligently that an opportunity is given to other candidates to read anything written by him/her nor to watch any practical examination conducted by him/her.

Candidate neither shall use any other unfair means nor seek/ obtain/render improper assistance at the Examination.

9.12 Cheating

No candidate shall submit a practical or field book, dissertation, projects, assignments, reports or any other type of answer scripts that have been done entirely or partly by anyone other than the candidate him/herself.

9.13 Use of Examination Stationery

Candidate shall use only the stationery issued to them by the supervisor and/or invigilator. Candidate shall leave behind the unused papers/booklets mathematical tables and any other material issued to them before he/she leaves the examination hall. No sheet, paper, or answer book supplied to a candidate may be torn, crumpled, folded, or otherwise mutilated.

9.14 Index Number

Every candidate shall enter his/her Index Number on the answer book and every continuation paper. He / She shall also enter all necessary particulars as indicated on the cover of the answer book. A candidate who inserts on his/her script an Index Number other than his/her own is liable to be considered as having attempted to cheat.

A script that bears no Index Number or an Index Number that cannot be identified or verified, is liable to be rejected. No candidate shall write his/her name or any other identifying marks on the answer scripts.

9.15 Rough work to be cancelled

All calculations and rough work shall be done only on papers supplied for the examination and shall be cancelled by drawing lines across such material and attached to the answer script. Such work should not be done on admission cards, timetables, question papers, record book, or any other paper. Any candidate who disregards these instructions will be considered as having written notes or an outline of the answer with the intention of copying.

9.16 Unwanted parts of answers to be crossed out

Any answer or part of an answer which is not to be considered for the purpose of assessment shall be neatly crossed off.

9.17 Supervisor's authority

Candidates are under the authority of the Supervisor and shall assist him/her by carrying out his/her instructions and those of Invigilators, during the examination and immediately before and after it.

9.18 Authorized persons to enter the examination hall

Once the examination has commenced, unauthorized persons will not be allowed to enter the examination hall. The supervisor has final authority in deciding who may and may not be allowed entry to the hall. With the permission of the supervisor the Dean, the Head of Examinations, Registrar/SAR, and HoD relevant to the paper may be allowed to enter the examination hall. In addition, one of the examiners may be permitted to turn up during the first 30 minutes, if necessary, to clarify any issues about the question paper that candidates may have.

9.19 Conduct

Every candidate shall conduct him/herself in the examination hall and within its boundaries so as not to cause disturbance or inconvenience to the Supervisor or his/her staff or other candidates. In entering and leaving the hall, the candidate shall conduct himself/herself as quietly as possible. A candidate is liable to be excluded from the examination hall for disorderly conduct.

9.20 Stopping work

Candidates shall stop work promptly when ordered by the Supervisor/Invigilator to do so.

9.21 Maintenance of silence

Absolute silence shall be maintained in the examination hall and within its boundaries. A candidate is not permitted for any reason whatsoever to communicate or to have any dealings with any person other than the Supervisor or Invigilator.

The attention of the Supervisor or Invigilator shall be drawn by raising hand from where he/she is seated.

9.22 Leaving the hall during the course of answering a paper

No candidate shall be permitted to leave the examination hall temporally. In case of emergency, permission will be granted but the candidate will be under surveillance of the Supervisor or an Invigilator.

9.23 Out of bounds period

Out of bounds period for laboratories before and during practical examinations shall be decided by the Head of the Department as agreed by the Registrar. During this period candidate shall not visit the said area.

This out-of-bounds period is applicable to the relevant students of the faculties.

Decisions on the out-of-bounds period shall be communicated to all students by displaying on notice boards/ student hub/student portal of KIU.

9.24 Impersonation

No person shall impersonate a candidate whether in the examination hall or before or after the examination nor shall any candidate allow him/herself to be impersonated by another person.

9.25 Dishonesty

Serious notice will be taken of any dishonest assistance given to a candidate, by any person.

9.26 Cancellation or postponement

If circumstances arise which, in the opinion of the Supervisor, render the cancellation or postponement of the examination necessary, he/she shall stop the examination, collect the scripts already written, and then report the matter in writing as soon as possible to the Registrar. In such instances, it is always desirable that the Registrar/SAR and Vice-Chancellor are contacted before a final decision is taken.

9.27 Making statements

The Supervisor/Invigilator is empowered to require any candidate to make a statement in writing on any matter which may have arisen during the course of the examination and such statement shall be signed by the candidate. Noncompliance shall be dealt with disciplinary action.

A candidate shall not decline to make such a statement or to place his/her signature on such a statement recorded.

9.28 Whom to contact in examination matters

No candidate shall contact any person other than the Head of the Department, Head of the Examination, or the Registrar/SAR, regarding any matter concerning the examination.

9.29 Handing over of Answer Scripts

Candidates shall hand over the answer scripts personally to the Supervisor or Invigilator or remain in their seat until it is collected. The candidates shall not hand over his/her answer scripts and other issued materials to anyone except the assigned supervisor and invigilator to the hall attendant, or another candidate. The MCQ and SEQ question papers should also be returned to the invigilator/supervisor, and it should not be removed from the examination hall. It is the full responsibility of the candidate to ensure that he/she has handed over all the answer scripts to the supervisor before he/she leaves the examination hall.

A candidate who has handed over his/her answer script shall under no circumstance be entitled to call it back.

No candidate shall remove his/her or any other candidate's answer script from the examination hall.

9.30 Absence from Examination

When a candidate is unable to present himself for any part/section of an examination, he/she shall notify or make arrangements to notify this fact to the Examination Division as instructed.

Every candidate who registers for an examination shall be deemed to have sat the examination unless:

- a) He/she is permitted by the Senate to withdraw from such examination on a valid reason acceptable to the Senate within the specified period

or

- b) He/she submits a valid medical certificate during the stipulated period. Valid Medical Certificates should be issued by:

- i. Medical Officer of the KIU Health Centre.

- ii. Any government hospital or government dispensaries of Sri Lanka or accepted private hospital. (Please refer to the attached annexure for accepted private hospitals by the Private Health Services Regulatory Council, Ministry of Health.)

- c) He/she submits documents related to any other valid excuses mentioned in 4.2.2 and 4.2.3.
- d) He/she submits evidence for foreign training /foreign visits acknowledged and approved by the relevant HOD.

Any other MC which does not meet the above criteria will be disqualified.

9.31 Request from the Examination Division

Request	General Time Period(Without the Administrative Expenses)	Extended Time Period (With the **Administrative Expenses)
Applying for the repeat examinations / Applying for the examinations with valid medical or other excuses.	07 days prior to the examination.	01 day prior to the examination (before 12.00 noon of the previous day).
Applying for the remarking results.	Within 14 days after publishing the results of the relevant examinations.	15 days – 30 days after publishing the results of the relevant examinations.
Requesting results sheets.	Option I – Accepting requests from 1 st day to 15 th day of every month (Issuing results sheets from 25 th day to 30 th /31 st day of every month) Option II – Accepting requests from the 16 th day to the 30 th /31 st day of every month (Issuing results sheets from 10 th day to 15 th day of the following month.)	Within short notice less than 15 days (A minimum of 07 days are required to proceed).

**Administrative Expenses

If a candidate makes one of the above requests relevant to examinations, outside the general time period indicated, and expects the Examination Division to respond on short notice, a cumulative amount of LKR 10,000 will be charged as administrative expenses, where a special team will be allocated to respond to the request on time. All the requests should be approved and the final decision will be taken by the Head of Examination/Registrar.

9.32 Submitting of Excuses

Excuses should be submitted in a proper manner to save his/her attempt and to avoid getting zero mark for the examination/component. However, we excuse has been approved by KIU and the candidate needs to apply and pay the relevant charges to be eligible for the next seating.

The excuses shall be submitted to the Examination Division within 14 days of the conclusion of the exam/ component of the exam for which the candidate was absent.

Excuses should be submitted by filling the “Absenteeism Form” available at KIU website or the student portal <https://www.kiu.ac.lk/wp-content/uploads/2020/02/examexcuseform.pdf>. The filled Absenteeism Form shall be submitted via KIU outlook email (Other personal emails will not be accepted for submission of excuses).

Email subject and email body need to be filled as follows,

- Email subject: degree_batch_subject_Exam type_exam date
(i.e. BMS05_English Language_FE_25.05.2020)
- Email body:
 - Degree
 - Batch
 - Exam number/student ID Number (KIU/_/_)
 - Student name with initials
 - Subject name
 - Component type (CA/FE)
 - Exam date
 - Seated/scheduled batch of the exam (6C excuses)
 - Student contact number
 - Attachment of the excuse

**All evidence related to the excuse should be attached along with the form.

The student shall forward the email to the relevant excuse submission email as stipulated for the relevant degree.

Degree	Email Address
Nursing	excuse_submission_nur@kiu.ac.lk
HRM/ Marketing /Accounting	excuse_submission_mgt@kiu.ac.lk
Biomedical Science	excuse_submission_bms@kiu.ac.lk
Psychology	excuse_submission_psy@kiu.ac.lk
Acupuncture	excuse_submission_acu@kiu.ac.lk
KAATSU	excuse_submission_ktu@kiu.ac.lk
MSc Nursing/ MN Edu/ MN Mgt	excuse_submission_msc@kiu.ac.lk
Computer Networks and Cyber Security/ Management Information Systems/ Software Engineering	excuse_submission_cse@kiu.ac.lk

9.32 Late submission and rejection of excuses

If a student fails to submit a valid excuse within 14 days of the examination or the submitted excuse is rejected, the student will receive zero marks for that relevant examination component.

If a submitted excuse is either late or rejected, student should wait until results are published to see if he/she referred/passed in the said module. If the student has referred in the module, the student shall complete it as a repeater.

9.34. Information on approved and rejected excuses

After 45 days from the examination date; examinations department will update the student portal with the status of approved/rejected excuses of the candidates relevant to the examinations. Student must apply and pay LKR 1,000/- within 7days prior to the examination for the approved excuses.

9.35. Continuous Assessment (CA) except assignments

A student who is absent for the CA shall submit a valid excuse to save the attempt and re-sit the CA examination. If a student fails to submit a valid excuse, he/she will earn zero marks for that CA.

9.36. Applying or registrations for examinations as an excuse candidate with delay submission of examinations

If a candidate makes the requests relevant to applying for the examinations with medical or other valid excuse, outside the general time period indicated (between 6 to 1 day prior to the examination (before 12.00 noon of the previous day)), and expects the Examination Division to respond on short notice, a cumulative amount of LKR 10,000 will be charged as administrative expenses, where a special team will be allocated to respond to the request on time. All such requests should be approved, and the final decision will be taken by the Head of Examination/Registrar.

9.37 Re-evaluation of Results

Candidates can apply for review of results / remarking of examination. Applications for re-marking shall be submitted within fourteen (14) days from publication of results. Re-marking charges per module will be LKR 2,000/-for local students and LKR 4,000/- for foreign students per module.

If a candidate makes the requests relevant to examinations, outside the general time period indicated (15 days – 30 days (maximum of 30 days) after publishing the results of the relevant examination) and expects the Examination Division to respond on short notice, a cumulative amount of LKR 10,000 will be charged as administrative expenses, where a special team will be allocated to respond to the request on time. All such requests should be approved, and the final decision will be taken by the Head of Examination/Registrar.

In case the results changes with the remarking the amount paid by the student as remarking fees will be reimbursed.

9.38 Application process for Repeat Examinations

- i. Candidate can sit for a repeat examination fourteen (14) days after the publication of results of the examination sat by the candidate.
- ii. Repeat candidates shall apply and pay for repeat examination/s seven (7) days prior to the examination date.

- iii. the candidate must confirm the repeat payments by email to the Finance Division (examfee@kiu.ac.lk) by attaching an e-copy of the pay slip with all relevant other details of the particular examinations.
- iv. Due to any special situation if the candidate cannot settle the payments before the deadline prior to the examination, this shall be informed to the Department of Examination by an email (stating that payment would be made on or before the day of the exam).
- a. If a candidate applies for the repeat examination and he/she was unable to pay the repeat charges and absent for the relevant examination that attempt will be considered as a valid repeat attempt and he/she shall pay double the repeat charges for the next attempt.
- b. If a candidate applies for the repeat examination and he/she has duly paid the repeat charges but fails to appear for the relevant examination that attempt will be considered as a valid repeat attempt and he/she shall pay repeat charges separately for the next attempt. However, if a valid excuse has been submitted and subsequently it had been accepted by the Department of Examination, repeat charges will not be re-levied again.
- v. Repeat examination charges per module will be LKR 2,500/- for local students and LKR 5,000/- for foreign students.
- vi. Special repeat examination carried out on necessity of the students is subjected to a registration payment of LKR 20,000/- per module for both local and foreign students. If there is a requirement for a second special repeat examination carried out on necessity of the students is subjected to a registration payment of LKR 35,000/- per module for both local and foreign students
- vii. If a candidate makes the requests relevant to examinations, outside the general time period indicated (between 6 to 1 day prior to the examination (before 12.00 noon of the previous day)) and expects the Examination Division to respond on short notice, a cumulative amount of LKR 10,000/- will be charged as administrative expenses, where a special team will be allocated to respond to the request on time. All such requests should be approved, and the final decision will be taken by the Head of Examination/Registrar.

9.39 Requesting results sheets

Option I – Student requests will be accepted from 1st day to 15th day of every month (Results sheets will be issued from 25th day onwards until end of month).

Option II – Student requests will be accepted from the 16th day to the 30th/31st day of every month (Results sheets will be issued from 10th day to 15th day of the following month.)

If a candidate makes the requests result sheets, outside the general time period (Option I and Option II) indicated (less than 15 days) a cumulative amount of LKR 10,000 will be charged as administrative expenses, where a special team will be allocated to respond to the request on time. All such requests should be approved, and the final decision will be taken by the Head of Examination/Registrar.

**A minimum of 07 days is required to proceed.

9.40 Examination Offences and the Penalties**i. Possession of any unauthorized materials:**

For student/s found guilty in possessing any unauthorized materials will result in cancellation of the examination component/s of the particular module in which the offence was committed and the candidate is liable for a penalty fee as determined by the Examination Offence Committee as in Table 01. The candidate will be eligible to sit the subsequent examination of the faulted module as a repeater and shall only be given a ‘C’ grade for that module.

ii. Possession of any electronic device without permission:

For student/s found guilty in possessing any electronic device will result in cancellation of the examination component/s of the particular module in which the offence was committed and the candidate is liable for a penalty fee as determined by the Examination Offence Committee as in Table 01. The candidate will be eligible to sit the subsequent examination of the faulted module as a repeater and shall only be given a ‘C’ grade for that module.

iii. Copying:

a. For student/s found guilty copying will result in cancellation of the examination component/s of the particular module in which the offence was committed and the candidate is liable for a penalty fee as determined by the Examination Offence Committee as in Table 01. The candidate will be eligible to sit the subsequent examination of the faulted module as a repeater and shall only be given a ‘C’ grade for that module.

b. In the case, if it involves an assignment/s the marks given for the submitted assignment/s will be cancelled and the candidate shall resubmit the assignment in a stipulated time period as determined by the Examination Offence Committee and the resubmitted assignment shall only be given a maximum score of 50% out of the total marks allocated for the assignment/s.

iv. Cheating:

a. For student/s found guilty in cheating will result in cancellation of the examination component/s of the particular module in which the offence was committed and the candidate is liable for a penalty fee as determined by the Examination Offence Committee as in Table 01. The candidate will be eligible to sit the subsequent examination of the faulted module as a repeater and shall only be given a ‘C’ grade for that module

b. In the case, if it involves an assignment/s the marks given for the submitted assignment/s will be cancelled and the candidate shall resubmit the assignment in a stipulated time period as determined by the Examination Offence Committee and the resubmitted assignment shall only be given a maximum score of 50% out of the total marks allocated for the assignment/s.

v. Removal of items of stationery and other materials from the examination hall belonging to KIU:

For student/s found guilty in removal of items of stationery and other materials from the examination hall belonging to KIU will result in cancellation of the examination component/s of the particular module in which the offence was committed and the candidate is liable for a penalty fee as determined by the Examination Offence Committee as in Table 01. The candidate will be eligible to sit the subsequent examination of the faulted module as a repeater and shall only be given a ‘C’ grade for that module.

vi. Possession of stationery belonging to KIU from a concluded examination:

For student/s found guilty in possession of stationery belonging to KIU from a concluded examination will result in cancellation of the examination component/s of the particular module in which the offence was committed and the candidate is liable for a penalty fee as determined by the Examination Offence Committee as in Table 01. The candidate will be eligible to sit the subsequent examination of the faulted module as a repeater and shall only be given a ‘C’ grade for that module.

vii. Found with writing on body parts or personal clothing/belongings at the examination all:

For student/s found guilty in writing on body parts or personal clothing/belongings at the examination all will result in cancellation of the examination component/s of the particular module in which the offence was committed and the candidate is liable for a penalty fee as determined by the Examination Offence Committee as in Table 01. The candidate will be eligible to sit the subsequent examination of the faulted module as a repeater and shall only be given a ‘C’ grade for that module.

viii. Improper conduct at the examination hall:

For student/s found guilty in improper conduct at the examination hall will result in cancellation of the examination component/s of the particular module in which the offence was committed and the candidate is liable for a penalty fee as determined by the Examination Offence Committee as in Table 01. The candidate will be eligible to sit the subsequent examination of the faulted module as a repeater and shall only be given a ‘C’ grade for that module.

ix. Impersonation:

For student/s found guilty in impersonation will result in cancellation of the examination component/s of the particular module in which the offence was committed and the candidate is liable for a penalty fee as determined by the Examination Offence Committee as in Table 01. The candidate will be eligible to sit the subsequent examination of the faulted module as a repeater and shall only be given a ‘C’ grade for that module.

If the offence was committed during an assignment the marks; for the submitted assignment will be cancelled and permitting for a resubmission which is applicable for a maximum score of 50% out of the total mark for the assignment and other components of the particular subject will remain valid.

x. Exercising improper influence on examiners or officers engaged in the conduct of an examination:

- a. For student/s found guilty in exercising improper influence on examiners or officers engaged in the conduct of an examination will result in cancellation of the examination component/s of the particular module in which the offence was committed and the candidate is liable for a penalty fee as determined by the Examination Offence Committee as in Table 01. The candidate will be eligible to sit the subsequent examination of the faulted module as a repeater and shall only be given a ‘C’ grade for that module
- b. In the case, if it involves an assignment/s the marks given for the submitted assignment/s will be cancelled and the candidate shall resubmit the assignment in a stipulated time period as determined by the Examination Offence Committee and the resubmitted assignment shall only be given a maximum score of 50% out of the total marks allocated for the assignment/s.

xi. Plagiarism/Collusion:

Plagiarism of an assignment/s the marks given for the submitted assignment/s will be cancelled and the candidate shall resubmit the assignment in a stipulated time period as determined by the Examination Offence Committee and the resubmitted assignment shall only be given a maximum score of 50% out of the total marks allocated for the assignment/s.

xii. Attempt to enter or leave the examination hall without the permission of the supervisor/invigilator:

For student/s found guilty in attempt to enter or leave the examination hall without the permission of the supervisor/invigilator will result in cancellation of the examination component/s of the particular module in which the offence was committed and the candidate is liable for a penalty fee as determined by the Examination Offence Committee as in Table 01. The candidate will be eligible to sit the subsequent examination of the faulted module as a repeater and shall only be given a ‘C’ grade for that module.

xiii. Attempt to destroy any stationary or material provided by KIU for examination:

For student/s found guilty in attempt to destroy any stationary or material provided by KIU for examination will result in cancellation of the examination component/s of the particular module in which the offence was committed and the candidate is liable for a penalty fee as determined by the Examination Offence Committee as in Table 01. The candidate will be eligible to sit the subsequent examination of the faulted module as a repeater and shall only be given a ‘C’ grade for that module

If the offence was committed during an assignment the marks; for the submitted assignment will be cancelled and permitting for a resubmission which is applicable for a maximum score of 50% out of the total mark for the assignment and other components of the particular subject will remain valid.

xiv. If a student is unable to settle the penalty fees imposed on him/her on the stipulated time period, the relevant student shall not be allowed to sit for any subsequent examinations, and the penalty charges will be doubled.

- xv. If any student had to repeat any module/s due to an examination offence, the relevant student shall sit for the subsequent examination/s after settling any penalty fees imposed on him/her and any other payments due to KIU.

Table 01: Penalty fee as determined by the Examination Offence Committee

Committing an Offence for the;	If Present	If Absent
	(LKR)	(LKR)
1st time	7,500	10,000
2nd time/more	15,000	17,500

9.41 Batch Transfer Procedures

Students who require batch transfers will be entertained on case-by-case basis.

- After paying the course fee, if a student wishes to transfer the registration to the next batch or to another course, he/she shall make a written request to the Head of Student Liaison with the copies of the original receipts of payments.
- Such transfers shall be approved by the Registrar upon the collective recommendation from the finance department, Examination Division and relevant academic department with the concurrence of the Senate.
- In case of a batch transfer of student's examination performance history; the grades and the attempts which were completed/published will be carry forward as it is.
- Further, a student shall pay the adjusted balance payments plan introduced for the new batch he/she intends to continue as well as any other payment due prior to the relevant transfer.
- Any batch transfer will be subjected to a transfer fee of LKR 10,000/-.

KIU, SRI LANKA**EXAMINATION BY-LAWS: RULES AND REGULATIONS FOR THE AWARD OF
BACHELOR OF SCIENCE HONOURS IN COMPUTER NETWORKS AND CYBER SECURITY**

By-Laws made by Senate of the KIU, Sri Lanka under Section 25 A of the Universities Act No. 16 of 1978 and its subsequent amendment.

1. These By-Laws may be cited as the Bachelor of Science Honours in Computer Networks and Cyber Security degree programme [BSc (Hons) Computer Networks and Cyber Security]

These By-Laws shall be effective for degrees awarded in and after the Academic Year 2016/2017 in respect of examinations held in and after the Academic year 2016/ 2017 for students admitted to the Bachelor of Science Honours in Computer Networks and Cyber Security Programme offered from the Academic Year 2016/2017.

2. Award of the Degree in Bachelor of Science Honours in Computer Networks and Cyber Security Degree

2.1. Subjected to these By-Laws a student may be awarded the Bachelor of Science Honours in Computer Networks and Cyber Security Degree if he/ she:

- 2.1.1. has fulfilled all the requirements for admission as an internal student of KIU;
- 2.1.2. has completed the prescribed programme of study to the satisfaction of the Senate of KIU as prescribed by these By-Laws and other rules and regulations of KIU in respect of all matters including examinations leading to the degree;
 - 2.1.2.1. has completed courses adding up to a total of 126 credits at SLQF level 6 and
 - 2.1.2.2. completed preparatory courses
- 2.1.3. has successfully completed and passed all the prescribed assessments and evaluations of each course offered at the Bachelor of Science Honours in Computer Networks and Cyber Security Degree;
- 2.1.4. has paid the fees and other dues as prescribed by KIU; and
- 2.1.5. has fulfilled any other conditions or requirements as may be prescribed by KIU.

3. Programme of Study

- 3.1. The Programme of Study shall consist of a combination of courses offered by the Faculty of Computer Science and Engineering and/ or any other Faculty as determined by the Senate and as specified by the By-Laws for the award of the Degree.
- 3.2. Each course has a defined credit value ranging from 3.0 to 9.0 credits. Each credit is equivalent to 30-45 hours of lectures and 15-30 hours of tutorials, or 30 hours of laboratory practical or 900 hours of research work. The number of study hours of each part is arranged in proportion to the number of credits assigned.

3.3. The courses of study and syllabi for the examination leading to the Degree of Bachelor of Science Honours in Computer Networks and Cyber Security and the number of papers, and other forms of evaluation in each course shall be prescribed by the regulations as per the approved curriculum by MoHE.

4. Scheme of Assessment

4.1. Candidate shall present himself/ herself for each examination leading to the Degree of Bachelor of Science Honours in Computer Networks and Cyber Security Degree on the first occasion at which he/ she is required to do so.

4.2. A candidate shall be granted permission to postpone a scheduled attempt on the basis of a valid excuse acceptable to the Senate. The attempt at which he/ she sits the examination after postponement shall be regarded as the first attempt for which he/ she has submitted a valid excuse as follows:

4.2.1. Medical certificate acceptable to the Senate;

4.2.1.1. A student who is absent for examination components except assignment shall inform and submit a valid Medical Certificate (MC) to the Examination Division as instructed within fourteen (14) days. This MC shall be verified by the Medical Officer at KIU. The Examination Division shall inform the Head of Department on receipt of the accepted MC.

4.2.1.2. Valid Medical Certificates should be issued by:

a) Medical Officer of the KIU Health Centre

b) Any government hospital or government dispensaries of Sri Lanka or accepted private hospital. (Please refer to the attached annexure for accepted private hospitals by the Private Health Services Regulatory Council, Ministry of Health.)

Any other MC which does not meet the above criteria will be disqualified.

4.2.1.3. Having scrutinized any MC submitted, KIU shall decide whether the MC submitted by a student will be accepted by the Senate for granting any benefit or giving any concessions. The final authority on this matter will be the Senate.

4.2.1.4. If the Medical Certificate is approved by the KIU Medical Officer, the administrative expenses cost of Rs. 1000/- will be charged and the respective attempt will be protected. The KIU Medical Officer has the authority to decide whether the paper cost charge will be applicable or not depending on the reasons of absence given in the MC.

4.2.1.5. If the MC is found to be invalid by the KIU Medical Officer, the student will be considered as “absent” and zero marks related to the applied component/s.

- 4.2.2. In a situation of a death of an immediate family member (parents/ brothers/ sisters/ if married, spouse/ children) one week prior to the examination or during the examination the death certificate shall be submitted to the Student Liaison Office and duly informed to the Head of Department and submitted for approval of the Senate.
 - 4.2.3. Senate may consider any other situation such as national disasters, epidemics etc. as a valid excuse.
 - 4.2.4. If the valid excuse is approved by KIU with respect to clause no. 4.2.2 and 4.2.3, the administrative expenses of Rs. 1000/- will be charged and the respective attempt will be protected. The Registrar has the authority to decide whether the paper cost charge will be applicable or not depending on the given excuse.
 - 4.2.5. In such situations, with a valid excuse, the student/s shall sit for the subsequent scheduled examination which will be determined by the Examination Division and informed duly to the candidates.
- 4.3. In the absence of a valid excuse, failure to sit any due or scheduled examination shall be considered as an unsuccessful attempt at that examination.
 - 4.4. A candidate shall be eligible to sit for all courses of an examination upon completion of prior requirements
 - 4.4.1. A candidate shall be permitted to sit for a separate course in a particular examination with a subsequent batch if he/ she has obtained less than a "C" Grade in that module.
 - 4.4.2. In the case of assessment by assignment, a student who fails to submit the assignment before the extended deadline (30 days from the original deadline) will be considered as having obtained zero mark for the assignment. Final examination mark of such a student will be calculated as CA 40% + FE 60% = Z 100% where CA (by assignment) mark will be zero.
 - 4.4.3. In case of maternity leave a student, who fails to submit the assignment before the extended deadline the results of the student will be withheld, and student will be given the opportunity to submit the assignment with the immediate junior batch and shall be considered as the first attempt and no fee will be charged as repeat charges.
 - 4.4.4. Those who are unsuccessful in a particular examination module and is a repeater, shall sit for a subsequent attempt. The subsequent examination shall be marked out of 100 and a grade not more than "C" shall be awarded maximally. In the subsequent examination the marks of previous CAs and assignments will not be considered. Further, for subsequent examination no provision is given to submit assignments or sit for CAs.
 - 4.4.5. In a CA/FE examination, if a student submits a valid excuse for component/s of an examination for specific date, he/she shall be permitted to sit for the subsequent scheduled exam which will be informed by the of Examination Division.

In case, if the exam is in the mode of assignments, seminars or, presentations, and

quiz, the student is given the opportunity to complete it on or before the new deadline within the ongoing semester..

- 4.5. A candidate shall have a minimum of 80% attendance in all academic activities such as lectures, tutorials, practical, and for each course to be eligible to sit for that examination. Failing which conditions under 4.2 to 4.4 will apply.
- 4.6. The overall assessment mark (Z%) of a student in respect of any course shall be based on both the continuous assessment mark (X%) and the mark obtained at the final examination (Y%).

The overall mark (Z%) of a student in respect of any course offered by the Department of Computer Science, Faculty of Computer Science and Engineering shall be computed as follows:
 $CA\ 40\% + FE\ 60\% = Z\ 100\%$

- 4.7. An overall average of 50% marks in subject shall be considered as the pass mark for a module.
- 4.8. A student who sits the final examination in any course offered by the Department of Computer Science, Faculty of Computer Science and Engineering shall be awarded a Grade and Grade Point

Range of Marks Z%	Grade	Grade Point Value	Implication
80- 100	A+	4.0	<i>Exceptional</i>
75- 79	A	4.0	<i>Outstanding</i>
70- 74	A-	3.70	<i>Excellent</i>
65- 69	B+	3.30	<i>Very Good</i>
60- 64	B	3.00	<i>Good</i>
57- 59	B-	2.70	<i>Very Satisfactory</i>
54-56	C+	2.30	<i>Satisfactory</i>
50- 53	C	2.00	<i>Minimum pass</i>
45- 49	C-	1.70	<i>Below a pass</i>
40-44	D+	1.30	<i>Weak</i>
30-39	D	1.00	<i>Very weak</i>
00-29	E	00	<i>Fail</i>
	<i>FA</i>	<i>00</i>	<i>Absent - no reason</i>
	<i>FM</i>	<i>00</i>	<i>Absent – Medical reason</i>
	<i>FOEX</i>	<i>00</i>	<i>Absent - Other Excuses</i>

A+, A, A-, B+, B, B-, C+ and C constitute Pass Grades.

- 4.9. Grades obtained by each candidate are evaluated according to the following equation to calculate his/ her Grade Point Average (GPA) and shall be calculated to two decimal points subject to a maximum of 4.00

$$\text{GPA} = \frac{\sum \text{Grade Point Scored for Modules} \times \text{Credit Value of the Module}}{\text{Cumulative Credit Value of all modules followed}}$$

- 4.10. A student who obtained C -, D+, D, E grades or FA grade will not be able to count that grades towards his/ her credit requirements unless he/ she re-sits the final examination on a subsequent occasion and obtains a C grade and a GP Value of 2.00.

4.10.1. These candidates shall be permitted to re-sit with payment (as per repeat examination fees structure under section 9), within the maximum number of years permitted to complete the degree course decided by the Senate.

4.10.2. A candidate who repeats modules of an examination shall not be eligible to obtain a grade above “C” and a GP Value of 2.00, irrespective of the actual marks obtained.

- 4.11. If the absence of assigned assessment is covered by a valid excuse acceptable to the Senate, the candidate will be eligible to sit for the next scheduled examination only after completion of 80% attendance for academic activities related to that module. If this scheduled examination is the candidate’s first attempt and the valid excuse is acceptable, the candidate will be eligible for a Grade above “C” and a GP Value above 2.00.

- 4.12. If a candidate fails to sit for a module without a valid excuse acceptable to the Faculty Board/ Senate, the candidate will receive zero marks for that module and will fail the examination. The candidate shall sit the subsequent examination as a repeater and shall not be eligible for Grades above “C” and a GP Value of above 2.00, irrespective of the actual marks obtained.

4.12.1. When a candidate is unable to sit for a scheduled examination due to a valid excuse and sit for an examination in the second/ subsequent attempt, continuous assessment marks will be taken into consideration only for his/ her first attempt for that course irrespective of the scheduled exam for which he/ she was unable to sit.

4.12.2. A candidate who is absent with a valid excuse acceptable to the Senate and to cover the absence for a CA (by examination), shall sit another CA, with the subsequent batch or any special repeat examinations scheduled (only for final year final semester modules) as determined by the Senate.

4.12.3. A candidate shall obtain a minimum of C grade for all modules to pass the relevant semester.

- 4.13. A student, who withdraws from the course by a written communication addressed to the Registrar within a specified period (eight years) from the commencement of the programme, shall be allowed to re-register for that course without being considered as a repeat candidate. The original date of commencement of the programme shall be considered as the valid date of commencement and grade obtained previously for the completed modules shall be carried forward.

- 4.13.1. This privilege shall be granted only once during the course of study for a student.
- 4.14. Each of the examinations prescribed by these By-Laws shall be evaluated by a Results Board comprising of:

Vice Chancellor (Chairperson)
Dean, Faculty of Computer Science and Engineering
Heads of Departments of Study offering courses for the programme
The Registrar/Senior Assistant Registrar-Examination shall function as the Secretary to the Board of Examiners
Head of Examination

5. Award of the Bachelor of Science Honours in Computer Networks and Cyber Security Degree

- 5.1. A candidate shall be awarded the Degree in Bachelor of Science Honours in Computer Networks and Cyber Security Degree either with:
- First Class Honours, or
Second Class (Upper Division) Honours, or Second Class (Lower Division) Honours, or a Pass, provided that he/ she satisfied such requirements specified in the By-Laws.
- 5.2. Such an award in respect of each candidate shall be recommended to the Senate by a Results Board comprising of:
- Vice Chancellor (Chairperson)
Dean, Faculty of Computer Science and Engineering
Heads of Departments of Study offering courses for the programme
The Registrar/Senior Assistant Registrar-Examination shall function as the Secretary to the Board of Examiners
Head of Examination
- 5.3. The Results Board shall also recommend the award of medals and prizes, if any, to the Senate.
- 5.4. A candidate shall be eligible for consideration for the award of Degree of Bachelor of Science Honours in Computer Networks and Cyber Security Degree provided that he/ she has satisfied the following requirements (5.4.1 and 5.4.2) within a maximum of eight (08) academic years (including periods of leave permitted) from the original date of commencement of the course of study.
- 5.4.1. has completed the final examination in courses offered by KIU, adding up to a total of 126 credits
- 5.4.2. obtained a minimum of C pass in preparatory courses.
- 5.5. The overall Grade Point Average (GPA) shall determine the Pass or Class of the Bachelor of Science Honours in Computer Networks and Cyber Security Degree program. This GPA is calculated according to the formula given in 4.9.

- 5.5.1. This shall be the credit weighted mean of all the individual Grade Point Value (GPV) obtained by a student for 126 credits of courses he/ she has offered. GPA shall be calculated to the second decimal place subject to a maximum of 4.00

6. Award of a Pass and Classes

A candidate shall be awarded a Pass or class in the degree based on the following requirements:

- 6.1. A candidate shall be awarded a Pass if he/ she has obtained:

- (a) a minimum of C grades or above in the modules offered adding up to a total of 126 credits, and
- (b) a minimum of C grade from preparatory courses
- (c) a Grade Point Average of 2.00 in courses adding up to 126 credits as specified in Section

- 6.2. A candidate shall be awarded a First Class if he/ she has fulfilled 6.1 (a) and (b) above, and addition he/ she has obtained:

- (a) a minimum overall Grade Point Average of 3.70 in modules offered by KIU, as specified in Section 5.4.1.
- (b) the candidate shall have fulfilled these requirements within four academic years from the first academic year of commencement of the programme other than for approved valid reasons.

- 6.3. A candidate shall be awarded a Second Class (Upper Division) if he/ she has fulfilled (a) and (b) above, and in addition he/ she has obtained:

- (a) a minimum overall Grade Point Average of 3.30 in the module adding up to 126 credits as specified in Section 5.4.1.
- (b) The candidate shall have fulfilled these requirements within four academic years from the first academic year of commencement of the programme other than for approved valid reasons.

- 6.4. A candidate shall be awarded a Second Class (Lower Division) if he/she has fulfilled (a) and (b) above and in addition he/ she has obtained:

- (a) a minimum overall Grade Point Average of 3.00 in modules adding up to 126 credits specified in Section 5.4.1.
- (b) the candidate shall have fulfilled these requirements within four academic years from the first academic year of commencement of the programme other than for approved valid reasons.

7. Award of the Gold Medal

KIU will recognize one student for the award, who has excelled academically in his/her studies at Bachelor of Science Honours in Computer Networks & Cyber Security degree programme. The proposed award will take the form of presentation of a gold medal, an award and a certificate which will be presented at the graduation.

- The award will be open to a student who undertakes the course of study at SLQF level six in the Bachelor of Science Honours in Computer Networks & Cyber Security degree.
- Student must have successfully completed all the academic requirements to be eligible to graduate from the programme of study.
- On completion of their course, a student must have a GPA of 3.7 or greater.
- Student must maintain passing grades in all units in his/her first attempt.
- Student with the highest overall GPA in a designated batch will qualify for the Gold Medal.
- Student must obtain “A” grades for at least 50% of the relevant specialization modules.
- Student academic conduct must be above reproached without any record on the commitment of an offense.

8. The effective Date of the Bachelor of Science Honours in Computer Networks and Cyber Security Degree

The effective date of the BSc (Hons) Computer Networks and Cyber Security Degree shall be the date of the last scheduled examination in the second semester of fourth (4th) year.

9. Fees

Fees to be paid as determined by KIU (Financial Regulations).

Financial Regulations

The mode, type and the amount of fees payable for the programme shall be determined by KIU.

1. Fees may be payable by cash/cash deposit through Student Portal/ bank/ credit or debit card (except Amex credit cards) Deposits through the CDMA Machines will not be accepted.
2. KIU - Bank Payment Instructions

A student shall make Payments through the following banks

- Nations Trust Bank, Gothatuwa Branch – Account Number 100770002496
- Bank of Ceylon, Battaramulla Branch – Account Number 0083425589

By filling the following details in deposit slip:

- Name with initials
- Degree programme and batch
- NIC Number
- Payment category (Registration / Initial Payment / Annual / Semester / Quarterly or Monthly)

(Failure to fill the above details as instructed will result in rejection of the slip.)

- Student shall submit the original copy to the cashier at KIU payment counter to obtain the receipt for payment. KIU receipts are issued only for the original customer's copy of bank deposit slip. Photocopies and bank certified duplicate copies will not be accepted.
- If a student paid the previous installment at the bank and wishes to pay the next installment at KIU counter, cashier will not process the payment until the student submits the original bank slip of the previous payment.
- Until the completion of programme the student is advised to keep all the original payment receipts in safe custody for future reference.
- If students have any complaints on payments errors, students are required to lodge a complaint promptly by way of a formal letter addressed to the Head of Student Liaison along with sufficient evidence to initiate an investigation. KIU management will not entertain any kind of payment related inquiries otherwise.

3. Students are not allowed to make partial payments on their installments & registration fees.
4. The amount of LKR 10,000/- will be charged for those students who intend to change their payment plan or programme of study which is different from the initial payment plan or programme of study.
5. The payment schedule of course fee installments will be communicated at the time of the registration or just before the commencement of the program.
 - A grace period of seven days will be granted for monthly course fee installment and fourteen days for other course fee installment types.

6. Penalty calculation for the due course fee payments starts either seven (7) days or fourteen (14) days (depending on the confirmed payment plan), from the installment due date, inclusive of the original due date.

Eg: If an installment is due on the fifteenth (15th) day of that month, a seven (7) day grace period will end on the twenty first (21st) day of that month.

7. If the course fee installment is defaulted by a student for period of more than fortyfive (45) days, he/she will be considered as inactive and not entitled to KIU facilities.
8. A Student who fails to pay the course fee instalment will be granted altogether a period of sixty (60) days to make such dues. Failure to pay within this sixty-days (60) period will result in the student to be considered as a dropout.
- a. However, if the student(s) concerned is to join the course for the same batch concerned, he/she shall re-register for the course (Re-registration fee – LKR 25,000/-) and shall settle all such dues including the concerned installment/s along with the accumulated interest and any applicable charges due.
 - b. Based on valid medical grounds where a period not exceeding hundred and twenty days, he/she can join the same batch and continue the course. In such case he/she shall be re-registered for the course and shall settle all such dues including the concerned installment/s along with the accumulated interest and any applicable charges due.

9. Refund Policy

Fees once paid are not refundable.

<i>Annexure for accepted private hospitals by the Private Health Services Regulatory Council, Ministry of Health.</i>	
Private Hospitals	
PHSRC/PH/03	Oasis Hospital (Pvt) Ltd.
PHSRC/PH/05	Asiri Hospitals Holdings PLC.
PHSRC/PH/06	Asiri Surgical Hospital PLC.
PHSRC/PH/07	The Lanka Hospitals Corporation PLC (PQ 180)
PHSRC/PH/08	Durdans Hospital, Ceylon Hospitals PLC
PHSRC/PH/09	Pannipitiya Medical Services (Pvt) Ltd.
PHSRC/PH/10	Western Infirmary (Pvt) Ltd.
PHSRC/PH/23	Ave Maria Hospital (Pvt) Ltd.
PHSRC/PH/34	Kelani Valley Hospital (Pvt) Ltd.
PHSRC/PH/35	Ninewells Care Mother & Baby Hospital (Pvt) Ltd.
PHSRC/PH/36	Jeewaka Private Hospital.
PHSRC/PH/42	New Lanka Maternity Hospital (Pvt) Ltd.
PHSRC/PH/43	Gampaha Co-Operative Hospital Society Ltd.
PHSRC/PH/49	Aloka Private Hospital
PHSRC/PH/64	Bandaranayaka Hospital (Pvt) Ltd.

PHSRC/PH/03	Oasis Hospital (Pvt) Ltd.
PHSRC/PH/05	Asiri Hospitals Holdings PLC.
PHSRC/PH/06	Asiri Surgical Hospital PLC.
PHSRC/PH/07	The Lanka Hospitals Corporation PLC (PQ 180)
PHSRC/PH/08	Durdans Hospital, Ceylon Hospitals PLC
PHSRC/PH/66	Piliyandala Health Services (Pvt) Ltd.
PHSRC/PH/73	Kumudu Hospital (Pvt) Ltd.
PHSRC/PH/81	Kandy Nursing Homes (Pvt) Ltd.
PHSRC/PH/83	Suwasevana Hospitals (Pvt) Ltd.
PHSRC/PH/85	Aysha Hospital (Private) Ltd
PHSRC/PH/87	Arogya Hospitals (Pvt) Ltd.
PHSRC/PH/88	Galle Co-operative Hospital Ltd.
PHSRC/PH/90	M.K. Hospitals (Pvt) Limited
PHSRC/PH/91	Suwa Medura (Pvt) Ltd.
PHSRC/PH/93	Gomez Hospital (Pvt) Ltd.
PHSRC/PH/98	The Dissanayake Private Hospital.
PHSRC/PH/102	Golden Key Hospitals Ltd.
PHSRC/PH/110	Family Care Hospital (Pvt) Ltd.
PHSRC/PH/122	Matara District Co-operative Hospital Society Ltd.
PHSRC/PH/123	Ceylinco Health Care Services Ltd.
PHSRC/PH/126	Viweka Hospital (Pvt) Ltd.
PHSRC/PH/138	Hemas Hospital (Pvt) Ltd.
PHSRC/PH/142	Pearl Hospital (Pvt) Ltd.
PHSRC/PH/151	Lions Gift Of Sight Hospital
PHSRC/PH/162	Singhe Hospitals PLC.
PHSRC/PH/167	Central Hospital Limited.
PHSRC/PH/171	Prabodha Hospital (Pvt) Ltd.
PHSRC/PH/177	Balasooriya Hospital (Pvt) Ltd.
PHSRC/PH/179	Venus Lanka Hospital (Pvt) Ltd.
PHSRC/PH/182	"Neth Setha" Lions Vision For sight Hospital Trust.
PHSRC/PH/183	Royal Care Hospital (Pvt) Ltd
PHSRC/PH/186	Suwanetha Eye Hospital.
PHSRC/PH/187	M.D.K.Healthcare Centre & Hospital (Pvt) Ltd
PHSRC/PH/190	Poly Clinic Private Hospital
PHSRC/PH/191	Vasan Healthcare Lanka (Private) Limited.
PHSRC/PH/195	Browns Healthcare (Pvt) Ltd.
PHSRC/PH/202	Hemas Capital Hospital (Pvt) Ltd.
PHSRC/PH/212	Radiant Eye (Pvt) Ltd.
PHSRC/PH/227	Sahanya Private Hospital.
-	General Sir John Kotelawala Defence University Hospital
-	Dr. Neville Fernando Teaching Hospital

10. DEPARTMENT OF INTERNATIONAL RELATIONS

KIU, is a leading private university in Sri Lanka, an island situated south of the Indian subcontinent. It has been known from ancient times as ‘the Pearl of the Indian Ocean’. Its location now serves as a hub of international shipping and aviation routes.

Sri Lanka is at the top of its league from the literacy rate and for its citizen’s, education is free from kindergarten to university level. There is a well-established educational system and many Sri Lankans in different fields have served with distinction in world bodies. The Government and University Grant Commission approved private universities have an educational system which is deep rooted and its’ intellectually vibrant. In recent years many reputed world class higher educational institutions have established their facilities in Sri Lanka. Registering at KIU will enable to link with a country in the path of progress.

Friendly and hospitable people long accustomed to playing host to friends from overseas awaits students. Most of Sri Lankans speak English. Students will be quite at home, with never a dull moment, while pursuing a quality education of choice, at a moderate and reasonable cost.

KIU is equipped with high demanding courses which create a multi-cultural environment facilitating foreign students, as well as student exchange programs. Further , KIU has signed several Memorandum of Understanding (MoUs) which will impact on quality education in near future.

Current students

Foreign students studying for Bachelor of Science Honours in Nursing and Bachelor of Science Honours in Medical Science in Acupuncture are registered at KIU currently. KIU provides:

The opportunity to work with experts,

Today students need more than a strong academic qualification to achieve the potential as a graduate. Hence KIU offers many opportunities to make the most of academic life to be successful throughout life.

The chance to explore your boundaries,

Employers’ value practical skills such as teamwork and solving problems combined with a solid academic knowledge which is accessible by courses offered at KIU . Assessments at KIU will prepare to constantly face real life problems preparing to operate beyond the comfort zone.

Academic Support,

KIU strives to ensure that student life is the best student experience encountered. To ensure this experience an academic advisor is assigned for the entire duration of studies. The academic advisor will be available for any matter related to studies and its hoped that students gain the utmost from this arrangement.

Flexible, multi-disciplinary courses,

Courses pursue global standards and both core modules and optional modules are offered. With progress of studies, the range of optional modules to choose from will expand. Often this includes units that are from other courses or even other departments of the institute. The objective of KIU is to provide as many options as possible to choose from, giving a chance to tailor ones education as seen fit.

Extracurricular activities,

KIU believes that there is no proper education without extracurricular activities. There will be many events to take part Furthermore, facilities such as the gymnasiums will offer the chance to explore many fitness programs as well.

Web resources available for students,

University web page provides plenty of information needed during the study period. In addition, the Learning Management System (LMS) and Microsoft Team are available for online education. database is accessible while studying at KIU premises and a username and password will be made available when registering to the relevant degree program.



11. VISA PROCEDURES FOR FOREIGN STUDENTS

It is important to obtain the correct visa which permits your study at KIU. For courses exceeding six or more months of stay requires an **educational residence visa** as per Sri Lankan immigration regulations.

Upon application being accepted KIU will get an entry visa. This visa will be sent directly by the immigration authorities to the Sri Lankan mission in the country of residence. This visa is to be stamped at the specified Sri Lankan mission in the country of residence by the student by presenting himself/herself at the specified mission. In case if there aren't any Sri Lankan missions operating in the country of residence this visa can be obtained on arrival in Sri Lanka.

This entry visa is valid for a period of 90 days and upon arrival in Sri Lanka this visa will be converted to a residence visa. This residence visa is valid for a period of one year and can be extended depending on the duration of the course as determined by KIU. Visa fees are applicable for obtaining residence visa. A minimum of funds (as published by the Immigration & Emigration of Sri Lanka is to be met by the student) for obtaining the visa for the said period.

During the period of study on this residence visa employment of any kind is totally prohibited in Sri Lanka.

On leaving KIU on completion of studies or on own discretion before the completion of studies this residence visa status will be revoked.

In an event the visa expires before graduation and wishes to stay until graduation period this visa is to be extended as mentioned above for the said period and appropriate charges may apply. On completion of the programme a student returns to the country of residence before the graduation date and in case the visa expires before this graduation date, students are encouraged to come on a visitor visa, only for the purpose of participating in the graduation ceremony.

For more information on this click on the link below:

http://www.immigration.gov.lk/web/index.php?option=com_content&view=article&id=153&Itemid=198&lang=en

Accommodation & food

Hostel accommodation (room sharing basis) is available at KIU for nominal charges. Also around KIU there is plenty of private accommodation according to the facilities offered and on affordability.

Self-cooking is available at hostels. There is a variety of nutrient available in and around KIU offering Sri Lankan, Indian, Chinese and Western cuisines. Further some of the private accommodation also offers meals, for accommodation and food it is envisaged that a student will spend approximately between US Dollars 125 – 175 per month.

Contact us on:

Email: internationalrelations@kiu.ac.lk

Telephone Numbers: (+94) 011 274 1878

- Department of Immigration and Emigration of Sri Lanka



12. STUDENT JOBS

At present, searching for a job is hectic and one might feel like the task of searching for a job as a full-time job; therefore, getting the required support from a third party who has experience may save an individual their valuable time and effort.

Career Guidance Unit (CGU) at KIU

KIU strongly believe that every student need the support of a well-established career guidance unit to make informed decisions about their future career. Further KIU believes that the workplace experience will complement the academia of students. The degree programmes offered by KIU places great emphasis on the demands of the sectors; hence, are focused upon providing the students with internship/career opportunities that are in high demand.

Redundancy of graduates produced by Higher Educational Institutions in developing countries has been a major issue while the problem of unemployment among graduates has been continuously growing. Employability of the graduate population is considered to be a highly essential source in stability of a country and we, the CGU at KIU, has understood the importance of having completed an internship or a training prior to the graduation.

KIU initiated the CGU to raise the aspirations and capitalize on the opportunities available to the students in the job market. Career guidance plays a critical role in preparing students for the world of work by equipping them with the skills to remain competitive in the global economy and lead meaningful and productive lives.

CGU intends to provide career guidance by reviewing the current status of career opportunities in general education, referring to the career guidance mechanisms in Sri Lanka and studying the best practices of other countries as well.

The responsibility of CGU is to organize various events, workshops and programs with the intention of developing talents and capabilities of our graduates. As many undergraduates are not exposed to enough career opportunities to determine the right path, the CGU at KIU counsel students and provide them with professional guidance through our well qualified staff members and the experts in the industry to stand out from the rest.

The CGU is committed in making KIU students competent to secure jobs soon after their graduation. In addition, each discipline at KIU offers a variety of practical applications, postgraduate qualifications after the degree, career opportunities in relation to pre and post-graduation, which are further highly, demand in current job market.

Contact us on:

Email: careerguidanceunit@kiu.ac.lk

Telephone Numbers: (+94) 011 274 1878

13. SCHOLARSHIPS

KIU offers scholarships program to encourage students to climb up the higher educational ladder which will benefit students in financial terms immensely. KIU Scholarships are awarded based upon academic merit, early registration, financial need, or combination of above factors. Scholarship criteria usually reflect the values and goals of the KIU. KIU expects scholarship recipients to keep earning higher grades continuously throughout the study period and engage in extracurricular activities, even taking part in academics.

Scholarships will be published in KIU web site, official social media platforms and KIU notice boards. Students who are willing to apply for the scholarship program, can obtain the application form the Department of Marketing. Completed application form should be handed over or send to Marketing Department together with course registration forms on or before the stipulated closing dates.

Early Bird Registration Scholarship

This special opportunity is arranged for the students who get registered prior to the Degree programs in Biomedical Science, KAATSU, Management, Psychology and Acupuncture, Software Engineering, Management Information System and Computer Networks & Cyber Security. KIU announces about these discounts 30 days prior through our website and social media. KIU offers registration discounts to students who register within first 30 days of official opening for registration for the course.

Eligibility	Open for all students	
Scholarship Period	Within 1 st 30 days of from official opening for registration	
Contact Details / Inquires	Contact No:	+94 (0)11 2741 878 (ex.305)
	Contact Person	Head of Marketing

Scholarships for Department of Nursing

Government nurses who sat for the Diploma in Nursing final exam conducted by the Government, are eligible for this scholarship. Based on the results published in diploma program, the student who earns the 1st Place can apply for this full scholarship to follow the BSc Honours in Nursing degree programme. Students who are placed 2nd to 10th place are also eligible to apply for this scholarship and they will receive different discounts rates based on their results obtained in the diploma examination.

Eligibility	Successful completion of the Diploma in Nursing Final Examination	
Application Period	When advertised	
Selecting Criteria	Results of the above exam and interview	
Contact Details / Inquires	Contact No:	+94 (0)11 2741 878 (ex.302)
	Contact Person	Head of Student Liaison

Scholarships for Nursing Training Schools in Sri Lanka

KIU gives hands for nurses in Nursing Training Schools with financial aid by offering the scholarship. The best three students who come from the 16 nursing training schools in Sri Lanka also eligible for this scholarship based on their performances and recommendations of official authorities. These students will be eligible to follow the BSc Honours in Nursing degree programme with results-based discounts waived off from their course fees.

Eligibility	Pass outs from the Nursing Training School Final Examination	
Scholarship Period	When advertised	
Contact Details / Inquires	Contact No:	+94 (0)11 2741 878 (ex.302)
	Contact Person	Head of Student Liaison

Periodic Scholarships

The students who perform with higher grades are eligible for this scholarship which will entitle the students for 20% to 50% wave off from their annual fees.

Eligibility	Students who scores best academic results	
Scholarship Period	When advertised	
Selecting Criteria	Based on academic performance	
Purpose of Scholarship	Encourage students to perform in degree program	
Contact Details / Inquires	Contact No:	+94 (0)11 2741 878 (ex.305)
	Contact Person	Head of Marketing

14. KIU MEDICAL CENTRE

The KIU medical centre functions from Monday to Saturday. The service is free of charge for students and staff alike. Minor ailments are attended here along with medical certification and fitness certification. Those who require further treatment are referred to nearby hospitals.

The treatment at state hospital are free for local students. A nominal fee is applicable for non-Sri Lankan students at state hospitals.

Medical Facilities Near KIU

▪ Hospitals nearby

State Hospitals:

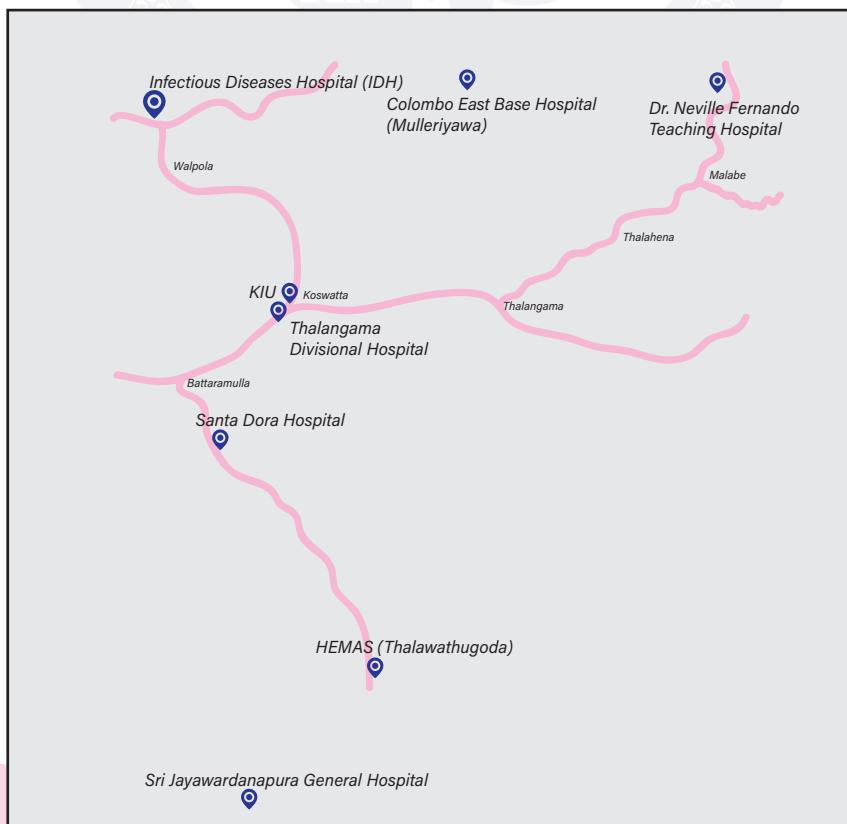
- Divisional Hospital Thalangama, Battaramulla – approximately 300 meters from KIU
- Colombo East Base Hospital Mulleriyawa – approximately 4 Km from KIU
- Institute of Infectious Disease Hospital Angoda – approximately 5Km from KIU

Semi Government:

- Sri Jayawardenepura General Hospital- approximately 8 Km from KIU

Private Hospitals:

- Dr. Neville Fernando Teaching Hospital Malabe- approximately 6 Km from KIU
- Hemas Hopital Thalawathugoda- approximately 7 Km from KIU



15. HOUSING/HOSTEL

Accommodation is a critical component of higher education. KIU ensures that students dwell in a healthy environment that helps to grow and learn without obstacles. The accommodation provided by KIU is of high standards, giving students comfort, relaxation and convenience needed to pursue studies. Each unit is equipped with all necessary facilities required for students.

Amenities at KIU Student Hostels

- Fully furnished dormitory with beds, table and chair wardrobe and towel rack
- Bathroom on sharing basis
- Common and private study areas
- Large kitchen area
- Secured premises with onsite security personnel on 24×7 basis and CCTV monitoring systems
- Customized rooms for differently abled students
- Private balcony with panoramic view
- Free electricity and drinking water
- Dedicated warden accessibly 24×7 within the premises

Rules for inmates of the student hostels

Rules for hostellers have been put in place in order to maintain discipline, sanitary conditions, a safe environment and for the security of the students residing in the hostel.

General Rules

1. Students shall be respectful, courteous, shall use appropriate language and etiquette at all times.
2. Students are not allowed to make unduly noise, organise parties or similar activities that may disturb the fellow students and neighbours in the surroundings.
3. No generator facility is provided and during prolong electricity breakdowns, emergency lights will be provided instead.
4. If a student falls ill, this must be brought to immediate attention of the warden/matron on duty, regardless of the time of the day.
5. If a student is very ill, this shall convey guardian to be contacted immediately and allowed inside the hostel premises with permission.
6. If a student has any allergy, health issue or disease, this should be informed to the Students Liaison Office in writing and be lodged with the students record file.
7. Students with special medical needs shall have appropriate medicines available with them at all times and the room mates and the warden is to be kept informed of this.
8. Student shall refrain from displaying posters, banners, photographs, etc. and placing nails in the walls for any reason. If the walls, window frames, door frames, doors are damaged due to such

activities, the offenders are liable for paying for the damage/s caused.

9. Volume level of audio and or video players should be played at a level that it is tolerable to all.
10. Boarders should have their own multi-plugs and similar accessories to plug their laptops, mobile phones, chargers etc.
11. Mosquito nets will not be provided by the management and if a student wishes to use it shall do so after getting the approval of the warden.
12. Management will not be responsible for boarders exchanging/borrowing valuables such as money, jewellery etc. with fellow boarders or employees of the hostel.
13. No student shall be ragged, discriminated, ill-treated or harassed by fellow boarders or persons influenced by the boarders and will be a cause for serious disciplinary action.

Rules for Visitors

1. Neither parents nor guardian or any other party except the student is entitled to enter to the hostel premises.
2. Any parent, guardian or a responsible party should seek prior approval from the respective university/workplace to meet the students exceptionally inside the respective university/workplace premises if necessary.
3. Boarders are not allowed to walk out or in from the hostel before 06.00 a.m. in the morning and after 08.00 p.m. at night without prior permission of the warden/security division.
4. All boarders should be vigilant whether, their colleagues are all in side the hostel premises at the time of closure of doors/gate at 08.00 p.m. and immediately inform the warden/security division on any one found missing.
5. Any boarder who fails to show up in the hostel after the closure time of 08.00 pm without prior permission, will be deemed as vacated the hostel and will no longer be allowed to be an inmate of the hostel and refund of fees or any indemnity claims will not be entertained. However, hostel reserves the right to recover any damages in addition, where applicable and if fails action will be taken to recover through the respective university/workplace.
6. In exceptional circumstances such as due to an urgency the parent/guardian can be entertained at the hostel, upon prior approval from the warden/security division.
7. During vacation period, students who wish to stay in the hostel should seek permission from the warden/security division.
8. Parking facility will not be provided to any of the boarders.

Abundantly available decent and comfortable accommodation options are available in Koswatta, Malabe and Thalahena near to KIU premises to suit individual student requirement. KIU officials can facilitate information on renting apartments and houses.

Contact us on:

Email: hostelpyg622@gmail.com

Telephone Numbers: (+94) 011 274 1878 Ext. 518

16. DAILY-LIFE INFORMATION

Student Liaison Office

To ensure that every individual who comes to KIU receives all the support they require, the Student Liaison Office was established. Our Student Liaison Office at the Registrar's office is the focal point of contact for your administrative dealings with us; including questions relating to finance, immigration, student ID cards, library memberships, textbooks, exams or graduation.

Our Student Liaison Office staff are well qualified and committed to provide services that support and enhance your academic, career and personal affairs. Services are designed to prepare for you to enhance the collegiate experience at KIU.

Through this centre, we thrive to provide our students with the best possible supportive and hassle-free environment within KIU premises.

Services offered by the Student Liaison Office

- Student registrations
- Assignment collections
- Timetable verifications
- Medical/excuse submissions
- Assignment submission
- Student complain submissions
- Personal information updates
- Student facility matters
- All matters pertaining to student affairs

Contact us on:

Email: studenthub@kiu.ac.lk

Telephone Numbers: (+94) 011 274 1878 Ext. 301,302,303,304

Student Counselling Unit

The Student Counselling Unit at KIU is aimed at facilitating the students to adapt to the university culture experiencing minimal stress. The phase of transferring from the school life to university life can be stressful to most of the individuals who are enrolled for undergraduate programs; hence, KIU mentoring program will facilitate in a smooth transition.

As a student, you may be facing difficulties in personal relationships and academic performances which make you feel pessimistic and in need of support. Our student counselling unit provides you a great platform for you to share your problems. Our well qualified staff will provide you the best guidance to manage and overcome your difficulties which in return would help you to achieve your fullest potential in your academic performance and to have an enriching student life at KIU.

At the time of the enrollment, you are given the contact details of the moral tutor so that you can meet the respective moral tutor or any other moral tutor through a prior appointment. Also, you are given a hotline number to which you can call in any case of an emergency. The assigned moral tutors have undergone proper training and are equipped with the up to date knowledge on handling issues related to academics as well as personal issues.

Contact us on:

Email: studentcounsellingunit@kiu.ac.lk

Telephone Numbers: (+94) 077 334 3762

17. IN CASE OF EMERGENCY

- **Accidents**

During practical/lectures/ sport event or any function at KIU

Student should inform the relevant lecturer/ demonstrator responsible for academic session (practical or the lecture) regarding the accident; who will immediately inform the KIU Medical Officer or Department of Nursing regarding the accident.

Contact on:

- **Medical Centre**

Telephone Numbers: (+94) 011 274 1878 Ext. 102

- **Department of Nursing**

Telephone Numbers: (+94) 011 274 1878

If the condition is life threatening or either it requires hospitalization, please inform the relevant lecturers in charge and the Student Liaison Office regarding the situation.

Also call “1990 – Suwaseriya Ambulance Service” in an critical condition where hospitalization is needed.

- **Emergency Hospitals**

In an Emergency, the nearest tertiary care hospitals include; Colombo South Teaching Hospital or National Hospital Sri Lanka. Call to “1990 – Suwaseriya Ambulance Service” to get an Ambulance.

- **First Aid**

In any time during you lectures, practical, sports or at any event an accident has occurred. Follow the following steps for the most common types of accidents which require first aid.

Burns

- Stay clam.
- Inform to the respective authority regarding the accident.
- Get away from the hazardous environment.
- **Remove the cause of the burn.** Flush the chemical off the skin with cool running water for at least 10 minutes. For dry chemicals, brush off any remaining material before flushing. Wear gloves or use a towel or other suitable object, such as a brush.
- **Remove clothing or jewelry** that has been contaminated by the chemical.
- **Bandage the burn.** Cover the burn with a sterile gauze bandage (not fluffy cotton) or a clean cloth. Wrap it loosely to avoid putting pressure on burned skin.
- **Flush again if needed.** If you experience increased burning after the initial flushing, flush the burn area with water again for several more minutes.

Cut Injuries

Stop Bleeding

- Apply direct pressure on the cut or wound with a clean cloth, tissue, or piece of gauze until bleeding stops.
- If blood soaks through the material, don't remove it. Put more cloth or gauze on top of it and continue to apply pressure.

If the wound is on the arm or leg, raise limb above the heart, if possible, to help slow bleeding.

Wash your hands again after giving first aid and before cleaning and dressing the wound.

Do not apply a tourniquet unless the bleeding is severe and not stopped with direct pressure.

Clean Cut or Wound

- Gently clean with soap and warm water. Try to rinse soap out of wound to prevent irritation.
- Don't use hydrogen peroxide or iodine, which can damage tissue.

Protect the Wound

- Apply antibiotic cream to reduce risk of infection and cover with a sterile bandage.
- Change the bandage daily to keep the wound clean and dry.

When to Call a Doctor/Ambulance

- The wound is deep, or the edges are jagged or gaping open.
- The wound is on the person's face.
- The wound has dirt or debris that won't come out.
- The wound shows signs of infection, such as redness, tenderness, or a thick discharge, or if the person runs a fever.
- The area around the wound feels numb.
- Red streaks form around the wound.
- The wound is a result of an animal or human bite.

The person has a puncture wound or deep cut and hasn't had a tetanus shot in the past five years, or anyone who hasn't had a tetanus shot in the past 10 years.

Chocking

Look for:

- Difficulty breathing, speaking or coughing.
- A red puffy face.

- Signs of distress, and they may point to their throat or grasp their neck.
- Cough it out. Encourage them to cough and remove any obvious obstruction from their mouth.
- If coughing fails to work, you need to give five sharp back blows. To do this, help them to lean forwards, supporting their upper body with one hand. With the heel of your other hand give them five sharp back blows between their shoulder blades. After each back blow, check to see if there's anything in their mouth.
- Squeeze it out. If back blows fail to clear the obstruction, give five abdominal thrusts. To do this, stand behind them and put your arms around their waist. Place one hand in a clenched fist between their belly button and the bottom of their chest. With your other hand, grasp your fist and pull sharply inwards and upwards up to five times. Check their mouth again, each time.
- If the blockage has not cleared, call 1990 for emergency help straight away. Repeat five back blows and five abdominal thrusts until help arrives, re-checking their mouth each time.

If they become unresponsive at any point, prepare to start adult CPR.

Fracture

Call for emergency (1990) help if:

- The person is unresponsive, isn't breathing or isn't moving. Begin CPR if there's no breathing or heartbeat (Unless trained to give CPR do not give CPR).
- There is heavy bleeding.
- Even gentle pressure or movement causes pain.
- The limb or joint appears deformed.
- The bone has pierced the skin.
- The extremity of the injured arm or leg, such as a toe or finger, is numb or bluish at the tip.
- You suspect a bone is broken in the neck, head or back.

Do not move the person except if necessary, to avoid further injury. Take these actions immediately while waiting for medical help:

- **Stop any bleeding.** Apply pressure to the wound with a sterile bandage, a clean cloth or a clean piece of clothing.
- **Immobilize the injured area.** Do not try to realign the bone or push a bone that's sticking out back in. If you've been trained in how to splint and professional help isn't readily available, apply a splint to the area above and below the fracture sites. Padding the splints can help reduce discomfort.
- **Apply ice packs to limit swelling and help relieve pain.** Don't apply ice directly to the skin. Wrap the ice in a towel, piece of cloth or some other material.
- **Treat for shock.** If the person feels faint or is breathing in short, rapid breaths, lay the person down with the head slightly lower than the trunk and, if possible, elevate the legs (if legs are fractured do not elevate the legs).

18. DATA OF INTERNATIONAL / LOCAL STUDENTS

The Depiction of Student Count From 2015-2020

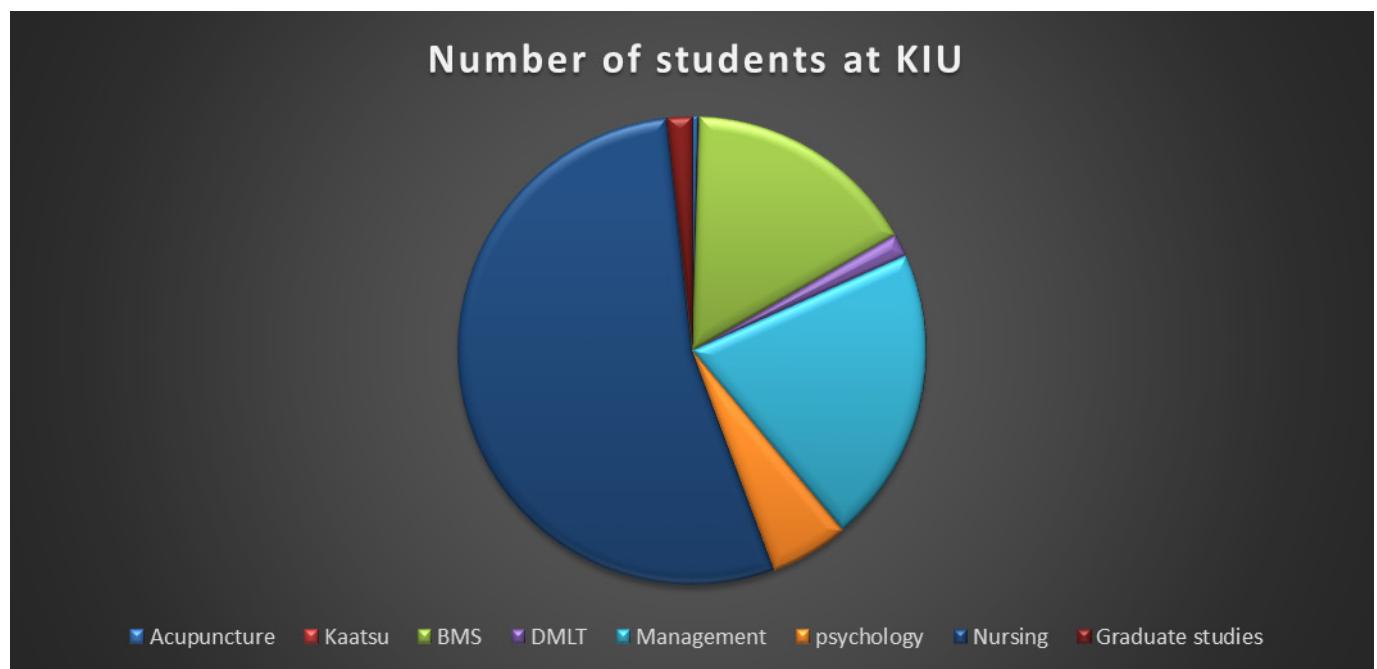


Figure 1: The total number of students at KIU from 2015 to 2020 (Departmental representation)

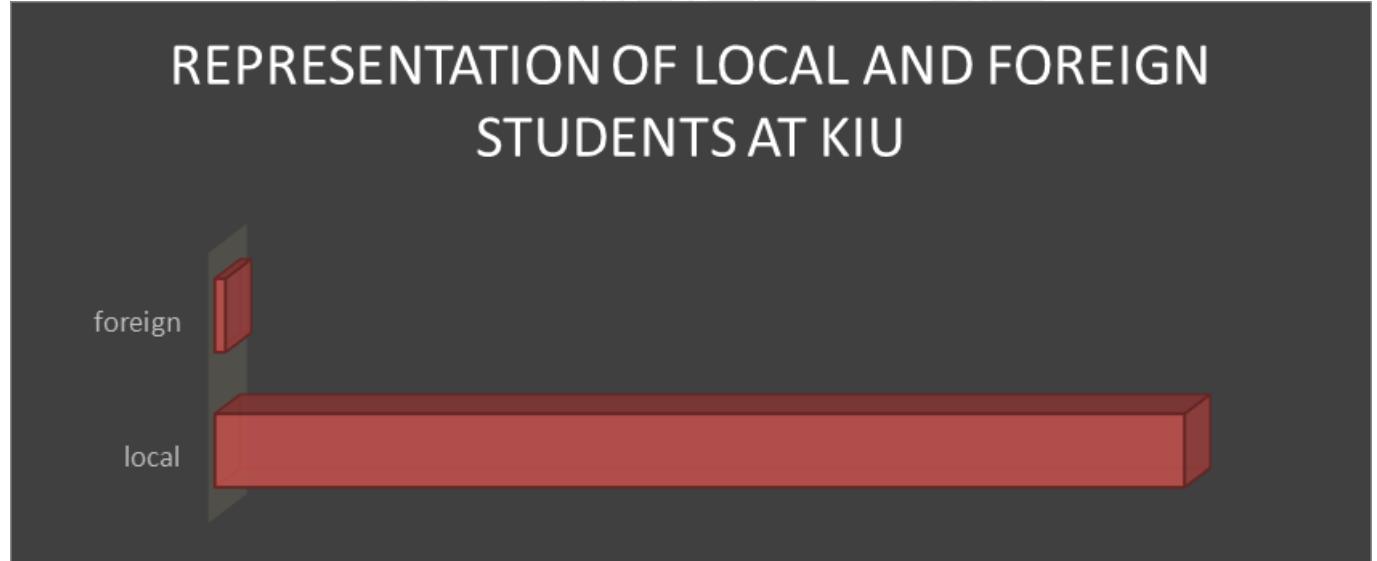


Figure 2: The total number of foreign and local students at KIU (from 2015-2020)

Representation of Students in Each Department (Batchwise From 2015-2020)

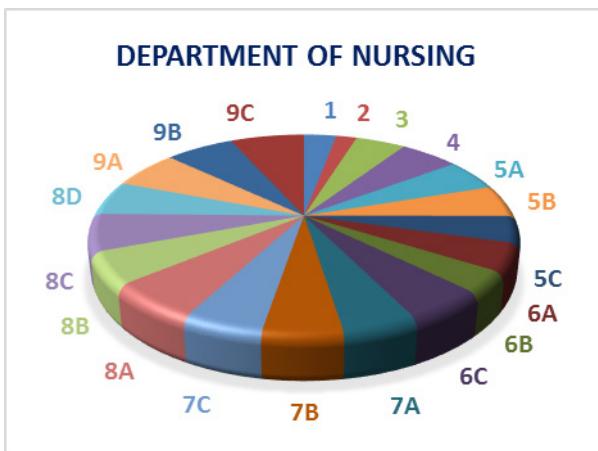


Figure 3

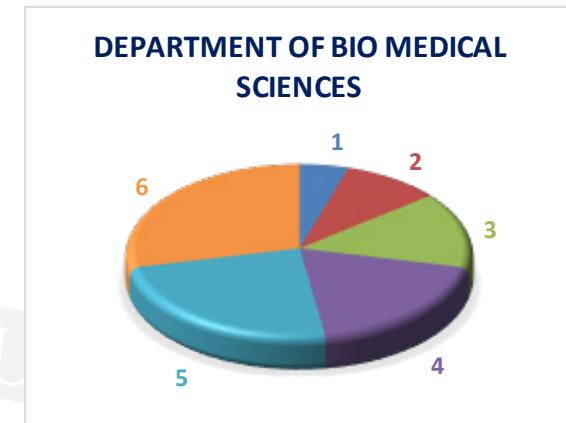


Figure 4

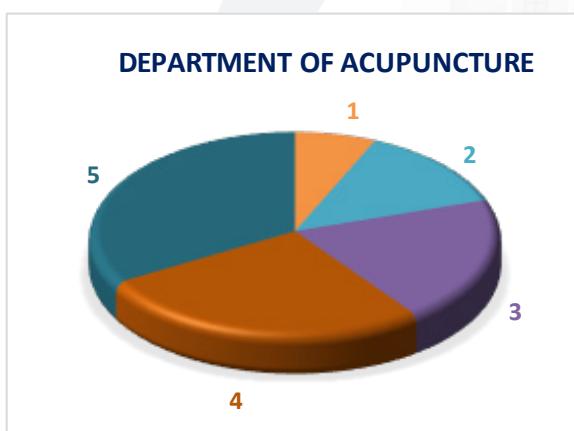


Figure 5



Figure 6

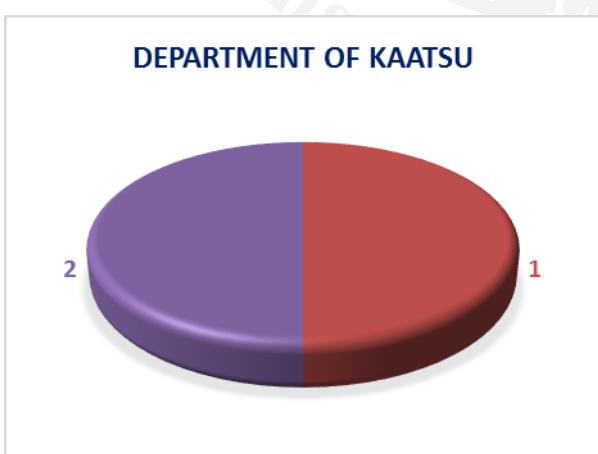


Figure 7

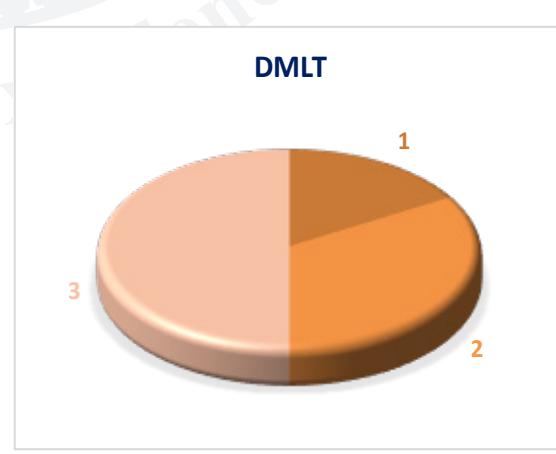


Figure 8

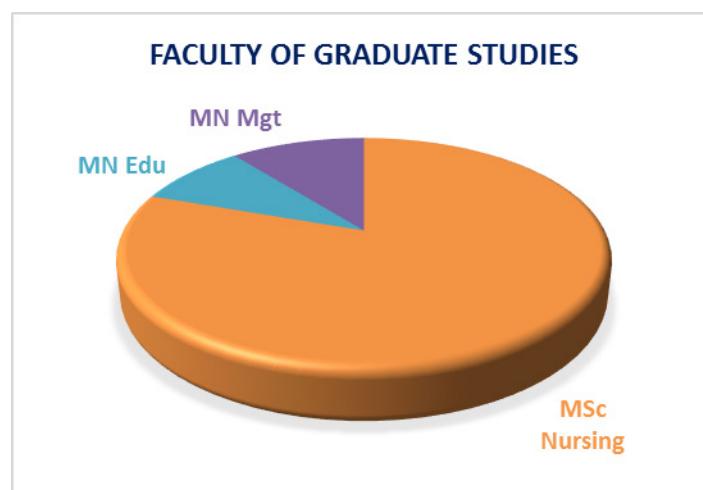


Figure 9

Graduates of KIU

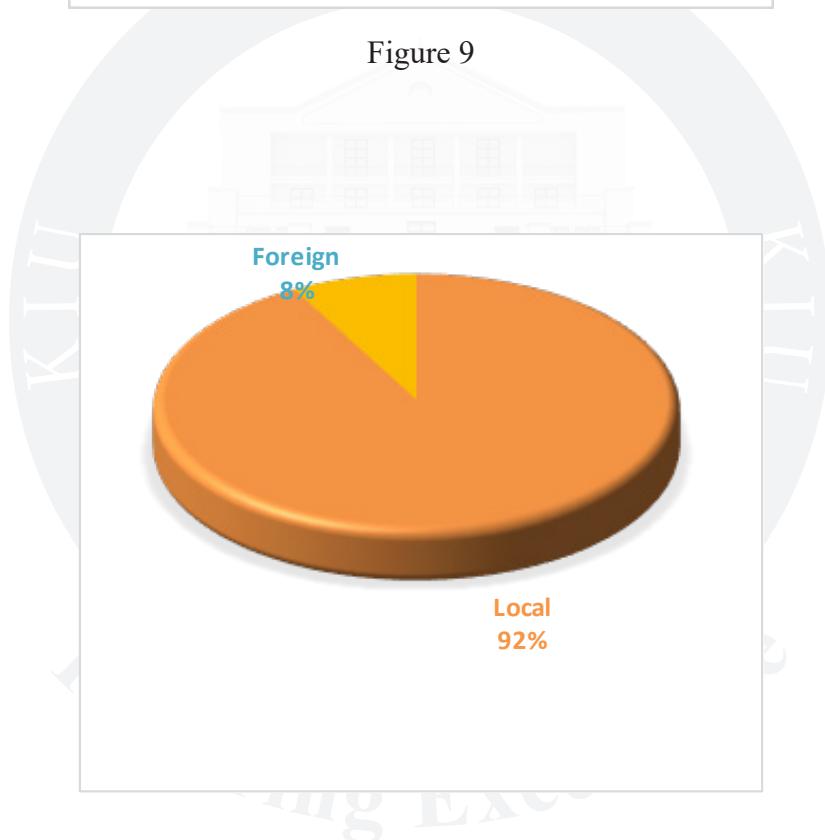


Figure 10: The percentages of foreign and local graduates who completed their degrees at KIU

19. FOR INQUIRIES

Official Address

KIU
249/, Malabe Road
Thalangama North
Koswatta, Battaramulla
Colombo
10120
Sri Lanka

Email: info@kiu.ac.lk

Web site:<https://www.kiu.ac.lk>

Telephone Number: +94 (0)11 2741 878

Fax Number: +94 (0)11 2741 879

Important Contacts

Registrar's Office

Telephone Number: +94 (0)11 2741 878 Ext. 506

Email address: registrar.office@kiu.ac.lk

Student Liaison Office

Telephone Number: +94 (0)11 2741 878 Ext. 301,302,303,304

Email address- studenthub@kiu.ac.lk

Examination Division

Telephone Number: +94 (0)11 2741 878 Ext. 402

Email: examdept@kiu.ac.lk

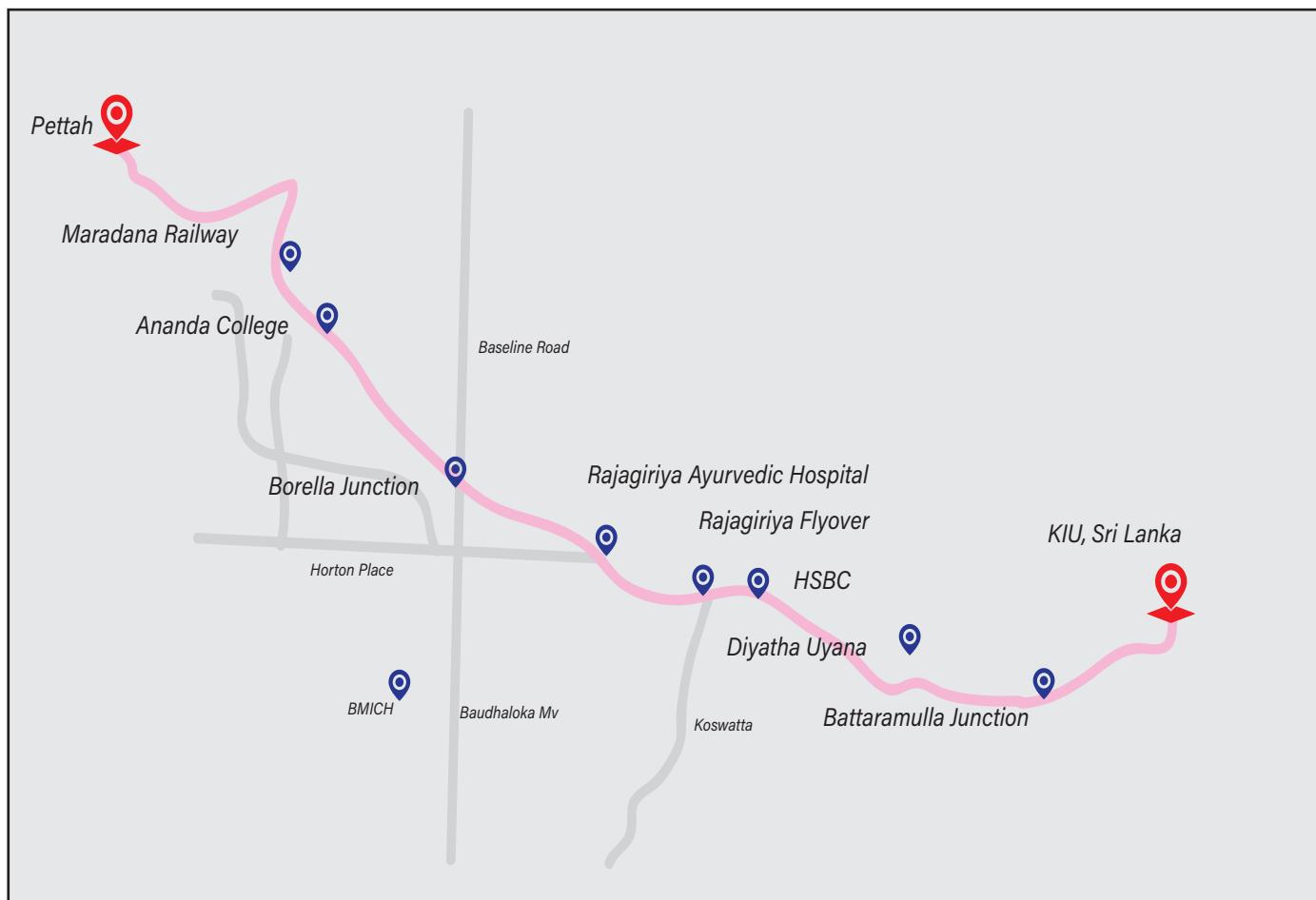
Library

Telephone Number: +94 (0)11 2741 878 Ext. 103

Department of Computer Science,

Telephone Number: +94 (0)11 2741 878

ROAD MAP



FROM COLOMBO TO KIU
SRI LANKA
Inspiring Excellence

KIU HOLIDAY CALANDER - 2023

Date	Day	Holiday/Event
6 Jan	Fri	Duruthu Full Moon Poya Day
15 Jan	Sun	Tamil Thai Pongal Day
4 Feb	Sat	National Day
5 Feb	Sun	Navam Full Moon Poya Day
18 Feb	Sat	Mahasivarathri Day
6 Mar	Mon	Madin Full Moon Poya Day
5 Apr	Wen	Bak Full Moon Poya Day
7 Apr	Fri	Good Friday
13 Apr	Thu	New Year Holiday
14 Apr	Fri	New Year Holiday
22 Apr	Sat	Eid al-Fitr
1 May	Mon	May Day
5 May	Fri	Vesak Full Moon Poya Day
6 May	Sat	Day following Vesak Full Moon Poya Day
12 May	Fri	(Nurses' Day (Holiday for Nurses
3 Jun	Sat	Poson Full Moon Poya Day
29 Jun	Thu	Eid al-Adha
3 Jul	Mon	Adhi Esala Full Moon Poya Day
1 Aug	Tue	Esala Full Moon Poya Day
30 Aug	Wen	Nikini Full Moon Poya Day
28 Sep	Thu	Milad-Un-Nabi
29 Sep	Fri	Binara Full Moon Poya Day
28 Oct	Sat	Vap Full Moon Poya Day
12 Nov	Sun	Deepavali
26 Nov	Sun	Ill Full Moon Poya Day
25 Dec	Mon	Christmas Day
26 Dec	Tue	Unduvap Full Moon Poya Da



249/1, Malabe Road, Thalangama North, Koswatta,
Battaramulla, Colombo, Postal Code: 10120, Sri Lanka.
Tel: +94 (0) 11 2741 878, +94 (0) 11 2741 042
Email : info@kiu.ac.lk | Web: www.kiu.ac.lk