



**FACULTY OF TECHNOLOGY
UNIVERSITY OF RUHUNA
SRI LANKA**

Student Handbook
2022



UNIVERSITY FLAG



UNIVERSITY ANTHEM

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University of Ruhuna
Matara, Sri Lanka
Faculty of Technology
Student Handbook
(2022)

The student handbook provides information about University services, facilities, policies and By-Laws. The information, statements and guidelines contained herein are subject to continued review and evaluation by relevant University officials and its contents are subjected to change without notice. The University reserves the right to modify, amend or revoke such policies, procedures, statements and guidelines without notice or obligation. In addition to the handbook, you are highly advised to refer the updated circulars for clarifications.

Published by:

Faculty of Technology
University of Ruhuna
Karagoda-Uyangoda
Kamburupitiya
Sri Lanka

<http://www.tec.ruh.ac.lk/>

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Vision of the University

To be the prime intellectual thrust of the nation

Mission of the University

To advance knowledge and skills through teaching, research, and services to serve the society

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CHAPTER 1

UNIVERSITY OF RUHUNA

1.1 Introduction

University of Ruhuna was established on 1st September 1978, as Ruhuna University College by a Special Presidential Decree. Currently, University of Ruhuna comprises of ten faculties, namely Agriculture, Engineering, Fisheries and Marine Sciences & Technology, Humanities and Social Sciences, Management and Finance, Medicine, Science, Technology, Allied Health Sciences and Graduate Studies.

Faculties of Humanities and Social Sciences, Fisheries and Marine Sciences & Technology, Management and Finance, Science and Graduate Studies are located at the main University premises at Wallamadama (Matara). Faculties of Agriculture, Technology, Engineering, Medicine and Allied Health Sciences are located in Mapalana(Kamburupitiya), Kargoda,Uyangoda(Kamburupitiya), Hapugala (Galle) and Karapitiya (Galle) respectively. The central administration unit of the University is also located at the Wallamadama University complex.

The University offers Bachelor, Master and PhD degrees in their respective disciplines. In addition, Diploma and Certificate courses are conducted in various disciplines. At the first recruitment of the University of Ruhuna for the Bachelor's degree programmes in 1978, a total of 272 students were enrolled and in the year 2019 it has been increased to 9239 students, across nine faculties (Table 1.1), recording its fast growth during the past four decades.

Table 1.1 Distribution of students among the faculties (as at 30. June 2022)

Faculty-wise student registration	
Name of the Faculty	No. of Student
Agriculture	1206
Humanities and Social Sciences	2299
Engineering	1798
Medicine	1258
Science	2041
Management & Finance	2054
Fisheries and Marine Sciences & Technology	475
Allied Health Sciences	781
Technology	1117
Total student population of the University	13029

1.2 Location of the University

The University of Ruhuna (main premises) is located 4 km away from Matara along the Colombo Hambantota (A2) main road Matara (Sinhala: මතරා Tamil: மாதத்துறை) (originally Mahathota) is a city on the Southern coast of Sri Lanka, 160 km from Colombo. Matara historically belongs to the area called Ruhuna, one of the three kingdoms in Sri Lanka. First Indians who arrived to the island country according to the Mahawansa settled in the area, along the banks of Nilwala River.

Traveling from Colombo to Matara can be done either by train or buses. There are only a limited number of trains. However, buses are available every half an hour through the normal route or expressway. The journey through normal route takes about four hours from Colombo while one and half hours through expressway. Matara is one of the main railway stations and exit in Southern expressway (Palatuwa).

1.3 Officers of the University

Chancellor-

Ven.Dr. Akuretiye Nanda

Vice Chancellor

Snr Prof Sujeewa Amarasena
MBBS, MD, DCH (Col), DCH(Sydney)

Deputy Vice-Chancellor

Prof. Saman Chandana Ediriweera
B.Sc. (Ruhuna), M.Phil (Ruhuna), Ph.D (Japan)

Registrar

Ms PS Kalugama
BA (J'pura), MA (London), MBA(Ruhuna)

Dean, Faculty of Agriculture

Prof Sudas D Waniniarachchi
BSc Agric (Ruhuna), MSc, PhD (Guelph, Canada)

Dean, Faculty of Engineering

Dr. Chithral Ambawatte
PhD (Russia), MSc (Russia),MSAE (Japan),
FISITA (UK),FIAESL, MSLEMA, MASASL, MSLAAS

Dean, Faculty of Fisheries and Marine Sciences & Technology

Prof. K.H.M. Ashoka Deepananda
BSc (Hons) in Zoology (Ruhuna, SL),
MSc (Bremen, Germany) PhD (Kelaniya, SL)

Dean (Acting), Faculty of Graduate Studies

Senior Prof. D.A.L. Leelamanie
B.Sc (RUHUNA) MSc (Peradeniya),
PhD(Tokyo, Japan)

Dean, Faculty of Humanities and Social Sciences

Prof. Upali Pannilage
BA , MPhil,PhD (Ruhuna),PG Dip(Colombo)

Dean, Faculty of Management and Finance

Prof. PAPS Kumara
PhD (WUT, China), MBA (Col, SL), BBA (Ruh, SL)

Dean, Faculty of Medicine

Prof. IV Devasiri
MBBS (Ruh) DCH (Col) MD Paediatrics (Col) FSLCP

Dean, Faculty of Science

Prof R.G.S.C. Rajapakse
BSc (Perad.), M. Phil. (Perad.), PhD (Japan)

Dean, Faculty of Technology

Dr. K.G.S. Harshadewa Gunawardana
BSc (Peradeniya, Ph.D. (Oklahoma, USA)
Postdoc (USDOE, USA)

Dean, Faculty of Allied Health Sciences,

Prof. Imendra Kotapola.
PhD (Japan) BDS, (Peradeniya,SL)

University of Ruhuna

Acting Librarian

Mr. N. Hettiarachchi
BSc.(Honours)(Ruhuna, S.L.),
MSSc.(Lib & Inf.Science, Kelaniya, S.L.)

Bursar

Mr. KAS Jayakody
BSc(J'pura), ICASL (Inter Mediate)

1.4 Contact Information of the University

Postal Addresses

Main administration block of the University is located in Wellamadama. Also, Faculty of Fisheries & Marine Sciences & Technology, Faculty of Humanities & Social Sciences, Faculty of Management & Finance, Faculty of Science, Faculty of Graduate Studies are located in the Wellamadama.

University of Ruhuna,

Wellamadama, Matara 81000,
Sri Lanka

Addresses of the other five Faculties:

Faculty of Agriculture,

University of Ruhuna,
Mapalana, Kamburupitiya 81100,
Sri Lanka.

Faculty of Engineering,

University of Ruhuna,
Hapugala, Galle 80000,
Sri Lanka.

Faculty of Medicine,

University of Ruhuna,
Karapitiya, Galle 80000,
Sri Lanka.

Faculty of Technology,

University of Ruhuna,
Karagoda-Uyangoda, Kamburupitiya 81100,
Sri Lanka.

Faculty of Allied Health Sciences,

University of Ruhuna,
Godakanda, Galle 80000, Sri Lanka.

Telephone and Fax Numbers of the University

Wellamadama Complex

+94(0)41222681-2, +94(0)412227001-4

+94(0)412222683 (Fax)

Faculty of Agriculture

+94(0)41229220, +94(0)412292384 (Fax)

Faculty of Engineering

+94(0)912245765, +94(0)912245762 (Fax)

Faculty of Fisheries and Marine Sciences & Technology

+94(0)412227026, +94(0)412227026 (Fax)

Faculty of Humanities and Social

Sciences +94(0)412227010, +94(0)412227010 (Fax)

Faculty of Management & Finance

+94(0)412227015, +94(0)412227015 (Fax)

Faculty of Medicine

+94(0)912234730, +94(0)91222314 (Fax)

Faculty of Science

+94(0)412222701, +94(0)412222701 (Fax)

Faculty of Technology

+94(0)413006134 +94 41-2294989 (Fax)

Faculty of Technology:

Dean, Faculty of Technology 041-2294751

Assistant Registrar 041-2294754

Office 041-2294750

Head, Department of Engineering Technology
041-2294748

Head, Department of Information and
Communication Technology 041-2294742

Head, Department of Biosystems Technology
041-2294740

Table 1.4 Intercom Numbers

General:

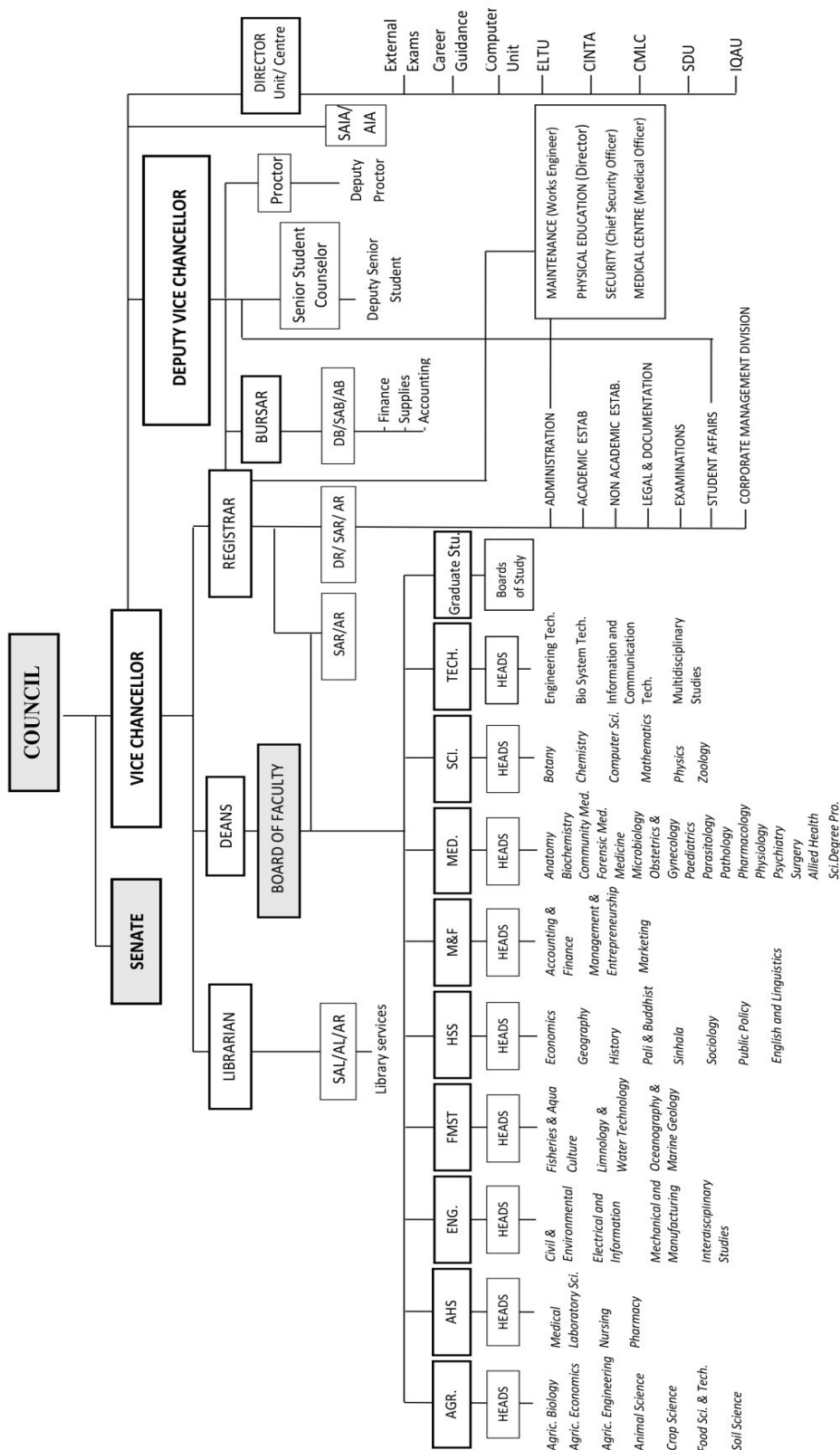
Vice-Chancellor	2000
Office	2101
Deputy Vice-Chancellor	2001
Office	2137
Registrar	2110
Office	2109
Dean, Faculty of Fisheries and Marine Sciences & Technology	5101
Assistant Registrar	5102
Dean, Faculty of Science	4101
Assistant Registrar	4102
Dean, Faculty of Humanities and Social Sciences	3101
Senior Assistant Registrar	3102
Dean, Faculty of Management and Finance	3901
Assistant Registrar	3902
Dean, Faculty of Graduate Studies	2147
Assistant Registrar	2160
Bursar	2150
Librarian	2210
Senior Assistant Bursar (Finance)	2108
Assistant Bursar (Finance)	2103
Assistant Bursar (Supplies)	2115
Deputy Registrar (General Administration)	2120
Deputy Registrar (Examinations)	2130
Assistant Registrar (Student Affairs)	2135
Senior Assistant Registrar (Academic Establishment)	2144
Senior Assistant Registrar (Non-Academic Establishment)	2140
Works Engineer	2145
Director, Physical Education	2223
Medical Officer	2121
Carrier Guidance Unit	2132
Chief Security Officer	2126
Security Office	2127

Electronic Mail/Web

The university can be reached by electronic mail from anywhere in the world. The mail domain is ruh.ac.lk. The e-mail addresses of the academic staff and other offices are available in the University Web site: <http://www.ruh.ac.lk>

1.4. Organizational structure

ORGANISATIONAL STRUCTURE OF THE UNIVERSITY



CHAPTER 2

FACULTY OF TECHNOLOGY

2.1 Introduction

Faculty of Technology (FOT) was established under the gazette notification issued, on 26th April 2016, as the 9th Faculty of University of Ruhuna to fulfill the requirement of providing university education to students following Technology subject streams during the GCE Advanced Level. The faculty offers three honors degrees at level 6 of Sri Lanka Qualification Framework (SLQF). The degree programmes that are offered currently are Bachelor of Engineering Technology honors (BET), Bachelor of Information and Communication Technology honors (BICT) and Bachelor of Biosystems Technology honors (BBST). These are conducted under four academic departments: Department of Engineering Technology (ET), Department of Information and Communication Technology (ICT), Department of Biosystems Technology (BST) and Department of Multidisciplinary Studies (MDS). The Department of Multidisciplinary Studies offers courses for all the students following three major degree programs. It is focused on developing professional skills required for Technology Students. All the three-degree programs are four years (8- semesters) in duration and will be accredited with relevant professional bodies. Further, a six month long industrial training is a mandatory requirement for successfully completing the degree program.

The faculty is located at Karagoda Uyangoda, Kamburupitiya, in a serene landscape about 20 minutes away from the Godagama-Palatuwa and Kapuduwa exits of the southern expressway. The Faculty of Technology initially occupied the buildings of Faculty of Science at Wellamadama, Matara with the first intake of students in December 2016. It was moved to its current permanent location in August 2018 with the partial completion of the construction of a four stories laboratory complex, hostels and renovating some existing old buildings for administrative purposes. At present the faculty consists of a four storied laboratory complex equipped with modern laboratory facilities designed for skill development and technology education of students, lecture hall building complex with auditorium, a library, facilities for sports activities and recreational activities, hostel facilities for 800 students and university housing for the staff. A student canteen constructed in modern architecture declared open on 20th July 20.

All the teaching learning activities of the faculty are mediated through the FOT Learning Management System (FOT LMS). Students can access course information sheets, lecture notes, recorded(audio/video) lectures, reading materials and past papers of each course units registered for a semester from the FOT LMS. Some assessments may also be conducted through the FOT LMS. Further most of the administration processes are automated through the Faculty of Technology Management Information Systems (TECMIS). Students are required to register for course units at the beginning of each semester and register to sit for the end semester examination during the stipulated time period through the TECMIS. The grades obtained for each course unit followed are also available in TECMIS. Students' attendance, and submission of medicals are also managed through the TECMIS. Wireless internet access is available for students on their registered devices in the designated Wi-Fi zones in the faculty. Currently, Wi-Fi access is available in all the Lecture Halls, Library, Student Canteen, and other study areas.

2.2 Vision and Mission of the Faculty

Vision of the Faculty

To be excellent in nurturing the nation's experts for the next generation of technology

Mission of the Faculty

To produce accredited professional technologists to meet the needs of the world of technology

2.3 Broad Objective of the Faculty

One of the main problems in Sri Lanka is the shortage of professionals to face and handle technological advances that develop rapidly at the workplace. Many institutes, hospitals and industries import modern equipment, with advanced technology in order to improve the quality of services and products, enhance the efficiency of procedures and production lines. However, the country at large, faces difficulty because of not having a trained work force to properly use technological advances for the development of industries in the country. Proper management of equipment is a well-known problem even in universities and research institutes in the country, mainly due to lack of professionals to train technical officers. The degree programmes under this faculty are designed to produce quality Technologists out of the students expected to enter universities through the Technology Stream, to fulfill such needs of the country.

The Technologists produced through this faculty, in the areas of Engineering Technology, Biosystems Technology and ICT would certainly fulfill the need of the country to bring new technology to industries. Furthermore, they would have the basic knowledge in management to work as professional Technologists. The courses are structured to provide relevant knowledge on essential technical subjects so that the graduates would be employable in various fields.

2.3. Administrative staff and contact information

2.3.1 Dean of the Faculty

Dr. K.G.S. Harshadewa Gunawardana

B.Sc.(Phys.Sp.) University of Peradeniya, Ph.D. University of Oklahoma, U.S.A., Post Doc. (Ames Lab. USDOE, USA)

Contact details

Emails : dean@tec.ruh.ac.lk or harshadewa@etec.ruh.ac.lk, harshadewa@fot.ruh.ac.lk

Telephone Number: Official +94 41-2234120, +94 41-2227022 ext 4501 Mobile +94 714268026

Address : Dean, Faculty of Technology, University of Ruhuna, Karagoda-Uyangoda, Kaburupitiya, Sri Lanka

Personnel	Name	Email	Mobile number	Internal Contact No
Head/Dept. of ET	Dr. V.H.P.Vitharana	hashini@fot.ruh.ac.lk	+94 705903157	+94 41 2294748
Head/Dept. of ICT	Dr.P.K.Subash Jayasinghe	subash@fot.ruh.ac.lk	+94 714051398	+94 41 2294742
Head/Dept. of BST	Dr. Thissa Karunarathna	wtissa@fot.ruh.ac.lk	041 3006134	+94 41 2294740
Head/Dept. of MDS	Dr. K.G.S.H. Gunawardana	harshadewa@fot.ruh.ac.lk	+94 714268026	+94 412294751
Assistant Librarian	Mr.J.A. Ajith	ajith@fot.ruh.ac.lk	+94703029900	+94 41 2294979
Assistant Registrar	Ms.Rasika Hettiarachchi	ar@fot.ruh.ac.lk	+94719474211	+94 41 2294754
Assistant Bursar	Mrs. Chintha Batuwita	sab@agri.ruh.ac.lk	+94718403304	+94412294749

CHAPTER 3

Academic Regulations and Procedures

3.1 General Registration

All applicants for the admission to bachelor's degree programs in the Faculty of Technology must satisfy the general university admission requirements for the faculties of Technology as laid down by the University Grants Commission.

Applicants with equivalent qualifications gained from foreign universities and transfer students referred by the University Grants Commission for admission to this faculty shall be admitted only with the consent of the Faculty Board. Students admitted to the faculty register as fulltime students after fulfilling the requirements for registration laid down by the University Grants Commission and the University. Each student is required to maintain his/her registration during the total period of study in the faculty.

3.2. Registration as a new student

A student admitted to the faculty is registered as a fulltime student. He/she is required to maintain his/her registration during the total period of study (four years) in the faculty.

After the registration, every student is issued a registration number, an identity card which contains his/her photograph, a faculty handbook, and a student record book. This identity card is a valid mandatory document of identification of the student and should be kept with the student when entering the faculty premises, attending classes in the faculty, hospital or during field visits, sitting for examinations and entering faculty hostels. It should be produced when it is requested by any authorized personnel in the university. The identity card will be essential to enter the university premises and to borrow books from the library. These should be kept safely until the degree is awarded. In case of loss of a student identity card/student record book, it should be immediately reported to the Assistant Registrar/FoT along with a copy of the police complaint.

3.3 Fees

3.3.1 Fees Levied for Registration for a Degree Programme

Following table provides the details of fees to be paid for different activities by each undergraduate on registration for a degree programme.

Degree Programme	Fees per Level	Amount (Rs.)
Undergraduate	Registration fee:	900.00
	B.Tec. Degree - Level I	450.00
	B.Tec. Degree - Level II	200.00
	B.Tec. Degree - Level III	200.00
	B.Tec. Degree - Level IV	200.00
	Medical fee*	50.00
	Technology deposit	100.00
Library deposit	100.00	
*Should be paid at the beginning of every Level		

Any repeat student who wants to follow a relevant Theory Course Unit for another occasion may follow it after making a payment of Rs.250.00 per course Unit, only if the Faculty Board approval is granted.

3.4 Examination Fees

No examination fee is levied from all undergraduates, who are sitting for any examination for the first time. Students, who sit for examinations more than once, will have to pay an examination fee as laid down by the university.

3.3 Orientation Programme

Foundation programme offers Course Units on English (Intensive Course), Mathematics, ICT Skills in Common Disciplines. This programme is provided as a preparation to the Bachelor of Technology Degree and is mandatory. However, the length of the orientation programme may depend on the availability of time after the enrollment of students

3.4. Course Structure and academic calendar of study in the faculty.

3.4.1 General Academic Calendar

The general academic calendar consists of levels (academic years) and semesters. Each level comprises of two semesters. The Degree Programme is of four levels (eight semesters). The faculty will notify commencement of the academic years and semesters, with prior approval from the Faculty Board. A typical academic year will be as shown in the following table.

Table 3.4.1 General academic calendar of the Faculty of Technology

First semester	Weeks	Second semester	Weeks
1st half	8	1st half	8
Mid semester recess	1	Mid semester recess	1
2nd half	7	2nd half	7
Study leave period	1	Study leave period	1
Examination period	3	Examination period	4
Vacation periods and Holidays			11
Total			52

3.4.2 Structure of the Degree Programme

The details of the course structure, the methods of evaluation, grading system, requirements to complete the degree and conditions to award classes are given in this section. As decided at the Technology Standing Committee, degree programme of four years is designed with minimum of 120 credits. In addition, non-GPA English course units are offered during the first five semesters. Standard credits system, 15 lecture hours or 30-45 practical hours is considered as one credit and industrial training period of one month is one credit.

Programme of Study

1. Duration of the Degree of Bachelor of Technology programme shall be 4 academic years. Six months shall be used for Industrial Training. Some non-GPA English course units shall be offered during the first five semesters.
2. The degree programme shall consist of Theory Course Units, Practical Course Units, ProjectDesign and Industrial Training.
3. Degree programme shall be classified into three areas as Engineering Technology, Information and Communication Technology and Biosystems Technology.
4. Each academic year will normally consist of two semesters.
5. A student, during the course of study should.
 - I. attend a specified course of lectures, and
 - II. perform specified work for practical/continuous assessments, and
 - III. undertake approved projects, industrial training, seminars and other related work as approved by the faculty.
6. The medium of instruction would be English.

Table 3.4.2 Main streams of Courses conducted by the Faculty of Technology

Stream	Subjects	Abbreviation
Engineering Technology	Mathematics and Science	TMS
	Engineering Technology	ENT
	Complementary Subjects	TCS
	English	ENG
Biosystems Technology	Biosystems Technology	BST
	Complementary Subjects	TCS
	English	ENG
Information and Communication Technology	Information Technology	ICT
	Mathematics and Statistics	TMS
	Complementary Subjects	TCS
	English	ENG

3.5 Course Structure

3.5.1 Engineering Technology

The degree programme is designed with a minimum of 120 total credits of course units. The course units are structured as follows:

Engineering Science and Design = 76 Credits

Complementary Studies = 27 Credits

Mathematics, Basic Science and Computing = 24 Credits

Industrial Training = 06 Credits

The course units are designed to produce an Engineering Technologists with a broad knowledge in the area of Electromechanical Technology with the relevant foundation knowledge in Mathematics, Basic

Sciences and ICT. Course units under complementary studies provide the relevant non-technical subject knowledge to complement the technical subjects.

3.5.2 Information and Communication Technology

The course units are structured as follows:

Information Technology = 90 Credits
Complementary Studies = 18 Credits

Mathematics and Statistics = 06 Credits
Industrial Training = 05 Credits

3.5.3 Biosystems Technology

The course units are structured as follows:

Biosystems Technology =96 Credits
Complementary Studies =24 Credits

Industrial Training = 06 Credits

3.6 Credit Value of a Course Unit

Course units have credit values. A credit is a time based quantitative measure used to determine the weightage of a particular course unit as shown below.

Table 3.6 Different types of Course Units and Credit Values

Description		Credit Value
Theory Course Units: e.g.	15 contact hours	01
	30 hour Course Unit	02
	45 hour Course Unit	03
Practical Course Units:	30-45 hour Course Unit	01
	60-90 hour Course Unit	02
Projects:	30-45 hour Project	01
Combined Course Units: e.g. 30 theory hours and 30-45 practical hours 15 theory hours and 30-45 practical hours		3
		2

3.7 Selection of Course Units

There are several options for the selection of course units. Available options will be announced at the commencement of the semester. The course unit pathways have been designed to ensure a significant degree of diversification within the degree programme. Compulsory course units should be followed by all students in accordance with the streams selected. Optional course units can be selected at the discretion of the student, according to the selection criteria prescribed by the Faculty/Department. English course units are not counted for Cumulative GPA (CGPA) (called as Non-GPA), however, they will be counted for Semester GPA (SGPA) and has to fulfill the requirement for satisfactory completion of each semester.

3.7.1 Engineering Technology Stream

The sixth batch of students who opted to follow engineering technology stream subjects in schools have sat for the A/L examinations in 2021 and are expected to enter universities in 2022. This document is providing the details of the degree programme, Bachelor of Engineering Technology, designed for students to be entered in 2018 under A/L Technology stream. The degree programme is designed focusing on Electromechanical Technology, to produce professional Technologists to suit the need of the country with the relevant knowledge in Electrical, Electronic and Mechanical systems and applications. Initially, the student intake for this degree programme would be 150 students selected under standard procedure of UGC according to the Z-score.

3.7.2 Information and Communication Technology Stream

The sixth batch of students who opted to follow information and communication technology stream subjects in schools have sat for the A/L examinations in 2021 and are expected to enter universities in 2022. University of Ruhuna, has taken a decision to introduce this BICT degree programme, which is targeting the students who have selected the subjects, Science for Technology, Engineering Technology, Biosystems Technology and ICT in A/L Technology stream. The main objective is to produce quality application developers with relevant subject knowledge on application development principles and ICT principles and with relevant complementary subject knowledge, who could build professional careers in the field of ICT.

3.7.3 Biosystems Technology Stream

The fourth batch of students who opted to follow Biosystems Technology stream in schools have sat for the A/L examinations in 2021 and are expected to enter universities in 2022. This document is providing the details of the degree programme, Bachelor of Biosystems Technology, designed for students to be entered in 2022 under A/L Technology stream. Aim of this degree programme is to produce professional technologists to suit the country with the relevant knowledge in Biosystems Technology and its applications. Initially, the student intake for this degree programme was 50 students and it has been increased up to approximately 100 by now under standard procedure of UGC according to the Z-score.

3.7.4 Multidisciplinary Subjects

It should be emphasized that multidisciplinary subject knowledge has to be provided for undergraduates to produce employable graduates in the present job market. Therefore, it is proposed to establish the Department of Multidisciplinary Studies.

The undergraduate programme in the Faculty of Technology comprises of a large number of course units offered by individual departments. In addition to the course units under the subject areas, several other course units from different disciplines (for example English, Management, personnel development etc.) are also available. These course units are offered by the Department of Multidisciplinary Studies and the denotations of such course units are Complementary Subjects Course (Unit codes starting with TCS). These Multidisciplinary course units are offered for all three subject streams.

Theory course units consist of lectures, assignments and tutorials. Combined course units consist of both theory and practical components. In addition, students are also given the opportunity to conduct research projects in an area/problem of his/her interest under a particular course unit.

3.8 Identification of Course Units

An alphanumeric code is used to identify a unit. The code consists of four digits prefixed by a set of three letters denoting the subject/Course Unit as described by the example given below:

Table 3.8 Identification of Course Units

Eg. ENT1232		General Options
ENT	Engineering Technology	TMS: Mathe., Basic Sci. and Computing ENT: Engineering Technology, T=Theory, P=Practical, BST: Biosystems Technology TCS: Complementary Studies, ICT: Infor. and Com. Techn.
1	Level 1	1: Level I, 2: Level II, 3: Level III, 4: Level IV
2	Semester 2	1: Semester I, 2: Semester II, 0: Offered during two semesters
3	Unit number is 3	1: Unit I, 2: Unit II, 3: Unit III, 4: Unit IV
2	Number of Credits are 2	1: 1 credit , 2: 2 credits, 3: 3 credits etc.

Character(s)	Representation	Examples
First three characters	Subject	ENT: Engineering Technology
Fourth character	Level	2 - Level II
Fifth character:	Semester of the year	2 - Second Semester
Sixth character:	Number given by the department	4 - Fourth course unit
Seventh character:	Credit value	3 - Three credits,

3.9 Online Documentation of the Management Information System (MIS) of Faculty of Technology (TEC), University of Ruhuna - (TECMIS)

The TECMIS is meant to assist management of the information system of Faculty of Technology. Its present version has been designed after a careful assessment of the requirements of the users of the system. The users are Students, Dean, Assistant Registrar, Heads of Departments, Lecturers, Academic Supportive Staff and Non-academic Staff.

Users of the TECMIS can perform various different tasks. Every user is assigned a user name and a password to log-in to the system. However, for security reasons all user accounts are created by the Dean of the Faculty of Technology. Students must change the given temporary password at the first time they log to the system.

All students must use TECMIS to register for course units and examinations. There are many facilities for students in TECMIS, such as, view own course units they registered, attendance of classes, eligibility for examinations, results/GPA and notices etc. Changes in registrations are allowed within the specified time limit at the beginning of the semester. All students must complete and update their personal information page.

3.10 Registration process

1. Start Registration : The relevant time periods will be announced by the Dean's Office for students to register/drop course units.
2. Close the registration : The system will be closed for students after the given time period and student will not be allowed to register through the TECMIS after the closing dates.
3. Change of registration : After the closing date of registration, students are allowed to modify course units registered through the Dean's office within a given period, generally two weeks from the beginning of the Semester.
4. Confirmation: Registration for course units will be confirmed by the Deans office and the confirmation of each course unit can be seen in the system. This confirmation indicates that the registration is successful. If any course unit is not confirmed, the students are advised to contact AR/Technology at the Deans Office.

3.11 Attendance of Classes

Students' attendance for course units they registered can be viewed. It contains daily attendance, number of medical submissions and current attendance percentage for the course units. A student must maintain an 80% attendance for classes in order to be eligible to sit for the examination of a course unit.

3.12 Registration for examinations

All students are advised to register for examinations before the deadline as the dates are announced by the Deans office. Students can register for examinations of registered course units only.

After the registration for examinations is completed the eligibility for each course unit, which depends on the percentage of attendance (80%), will be displayed in the system. It is the responsibility of the student to register for examinations and to maintain the required attendance.

3.13 Results of Examinations

The released results of course units will be posted on the system. The students can view the results of a given course unit or all results of past examinations after login to their accounts.

3.14 Notices

The notices relevant to students will be posted on TECMIS. It is the responsibility of students to see the notices and announcements .

- Web Address for the TECMIS: <http://paravi.ruh.ac.lk/tecmis/>

3.15. By-law of the University and Rules and Regulations for students in University of Ruhuna

University by-law will be distributed among the students at registration. All students should abide to the by-laws of the University of Ruhuna. Furthermore, students should follow and abide to the General Rules and Regulations set by the University of Ruhuna (ANNEX 1) and Guidelines for Prohibition of Ragging and other forms of Violence in Educational Institutions (ANNEX 2).

3.16. By-laws of Degree Programmes

By-law of each degree programme consists of all the academic related information, regulation and activities. The by-laws of each degree programme are described in the chapters 3, 4, 5,6 and 7 and ANNEX III. All students should be aware and refer the by-law of the relevant degree programme during the academic period.

3.17 Examinations By-laws: Degree Programmes of Faculty of Technology

The details of the requirements to receive Bachelors degrees from the Faculty of Technology are given in the By-Law No. 91-2016 of 2016 given below.

03.17.1 By-laws

By-Laws made by the Council of the University of Ruhuna, on 16th Feb 2017 under Section 135 of the Universities Act No. 16 of 1978 and its subsequent amendments.

BY-LAWS

1. These By-Laws may be cited as the Bachelor of Technology Degree Programmes By-Law No: 91-2016 of 2016.
2. Subject to these By-Laws, a student shall be awarded **Bachelor of Engineering Technology, Bachelor of Information and Communication Technology and Bachelor of Biosystems Technology Degrees.**
3. Subject to these By-Laws, a student shall be awarded a Degree if he/she has :
 - 3.1 been admitted to the University as a student under Section 135 of the amended section of the Universities Act No. 16 of 1978 or in the case of a student with foreign qualifications referred for admission by the University Grants Commission admitted with the recommendation of the Faculty Board and the approval of the Senate, and
 - 3.2 been a duly registered student of the University, for the period of study as set out in section 4.0, and
 - 3.3 completed the courses of study as prescribed by these By-Laws and Regulations and Rules made there under to the satisfaction of the Senate, and
 - 3.4 passed examinations as prescribed by these By-Laws and Regulations and Rules made there under, and
 - 3.5 successfully completed all projects, seminars, industrial training and other work relevant to the course of study, as may be prescribed in the Rules and Regulations made there under, and
 - 3.6 paid such fees as prescribed for his/her case by these By-Laws and the Regulations and Rules of the University, and
 - 3.7 fulfilled all the above requirements within six academic years from the date of entry to the University provided that it shall be within the power of the Senate to declare for some specified reason that a student is eligible for the award of the Degree at a subsequent occasion.

4. Registration for the Degree Programme

- 4.1 A candidate admitted to the Degree Programme shall not be permitted concurrent registration for any other fulltime course of study.
- 4.2 Registration for each academic year of the programme shall be determined in accordance with the Rules and Regulations as laid down by the Faculty.
- 4.3 A candidate selected for admission shall register to follow course units corresponding to a minimum of 120 credits of the Degree Programme.
- 4.4 Prescribed fees for registration and examinations wherever relevant shall be paid as determined by the Council of the University (hereinafter referred to as the Council).

5. Programme of Study

- 5.1 Duration of the Degree programme shall be for a period of not less than four academic years including the period of Industrial Training/Research projects.
- 5.2 Each academic year will consist of two semesters as prescribed in the Rules and Regulations.
- 5.3 The course shall consist of Theory Course Units, Practical Course Units and Industrial Project or Industrial Training component.
- 5.4 A student, during the course of study, shall
 - 5.4.1 attend a specified course of lectures, and
 - 5.4.2 perform specified work for practical/continuous assessments, and
 - 5.4.3 undertake approved projects, industrial training, seminars and other related work as approved by the Faculty.
- 5.5 The course shall consist of following components of Course Units for each degree programme.
 - 5.5.1 Engineering Technology Degree
 - 5.5.1.1 Engineering Science and Design (ENT)
 - 5.5.1.2 Mathematics, Basic Science & Computing (TMS)
 - 5.5.1.3 Complementary Studies (TCS) or
 - 5.5.2 Information and Communication Technology Degree
 - 5.5.2.1 Information Technology (ICT)
 - 5.5.2.2 Mathematics & Statistics (TMS)
 - 5.5.2.3 Complementary Studies (TCS) or
 - 5.5.3 Biosystems Technology Degree
 - 5.5.3.1 Biosystems Technology (BST)
 - 5.5.3.2 Complementary Studies (TCS) and
 - 5.5.4 English (ENG) and
 - 5.5.5 Industrial Training and
 - 5.5.6 Any Foundation Course Units
- 5.6 A student shall complete a six-month period of Industrial Training, at Institutions/ Organizations recommended by the Industrial Training Centre of the Faculty and approved by the Faculty and shall earn a total of six (06) Credits per six (06) months of industrial training/project.
- 5.7 A student shall be allowed a maximum of six academic years from the date of registration to complete a four-year degree, excluding periods of absence caused by medical or other valid reasons acceptable to the Faculty and the Senate.
- 5.8 Under Medical Grounds the Senate may grant permission to extend the duration of study beyond the maximum allowed duration by an amount not exceeding the approved leave on medical grounds.
- 5.9 Under exceptional circumstances other than Medical Grounds, the Senate may grant permission to extend the maximum allowed duration of study by not more than two additional years on the recommendation of the Faculty.

5.10 Subject to these By-Laws, the Course Units and their syllabi, the mode of evaluation of each Course Unit, examination criteria and schemes of award of Honours shall be prescribed by Rules and Regulations made by the Senate on the recommendations of the Faculty Board.

6. Evaluation and Grading

6.1 Evaluation

6.1.1 The performance of each student in each course unit shall be evaluated by continuous assessment (CA) and/or end-of-semester assessment (ESA) as announced at the commencement of the relevant semester.

6.1.2 End-of-Semester Assessment (ESA)

The evaluation at the end of the semester shall be based on a written examination, practical examinations or any other component as determined by the relevant Department.

6.1.3 Continuous Assessments (CA)

6.1.3.1 The continuous assessment of a student's performance shall be based on specified combination of assignments including laboratory work, in-class tests, tutorials, quizzes, presentations, reports, mid-semester evaluations, oral examinations and participation in the course activities.

6.1.3.2 The eligibility of the candidates to sit for ESA is based on the satisfactory attendance (Clause 6.2) for the course unit and by fulfilling the assessment criteria stipulated in the course unit outline sheet for CA.

6.1.3.3 A student who does not fulfil the CA component outlined in section 6.1.3.2 will fail the course unit and receive a grade F.

6.2 Attendance

6.2.1 To be eligible to sit for the examination(s) of a relevant course unit, the minimum requirement of attendance for theory/practical classes, field work and project(s) shall be 80%. Those who do not fulfil this requirement will be given a grade E* for that particular Course Unit. In the case of Industrial Training, attendance is required as prescribed by the Faculty.

6.2.2 In the event if a student fails to maintain at least 40% attendance for each practical course unit of first academic year of the degree programme, he/she will not be allowed to sit for the examination of that particular course unit even as a repeat student and hence he/she has to leave the university.

6.3 Academic Work Load and Class Standing

6.3.1 Academic Work Load

The normal academic work load of a full-time student in a semester shall be 18 credits. With the approval of the Academic Adviser, a student is permitted to take a maximum of 6 credits above or below the normal semester academic work load. A student may, with valid reasons, undertake an academic work load beyond the above limits, after obtaining the approval of the Faculty Board, given on the recommendation of the student's Academic Adviser.

6.3.2 Grade Point Average (GPA)

The performance of a student is determined by the Grade Point Average (GPA). The calculation of the GPA shall be based on the summation of Grade Point Values earned for all course units considered for calculation of the GPA, weighted according to number of credits as per the following formula, where C_i is the number of credits for the i^{th} course unit and GPV_i is the Grade Point Value earned for that course unit and n is the number of GPA course units.

$$GPA = \frac{\sum_{i=1}^n C_i GPV_i}{\sum_{i=1}^n C_i}$$

6.3.3 Semester Grade Point Average (SGPA)

The performance of a student in a given semester is calculated using the above formula (Clause 6.3.2) for all course units (n) registered including non-GPA course units (except for those awarded with academic concessions) in that semester.

6.3.4 Successful Completion of a Semester

A student is considered to have completed a semester successfully only if he/she has achieved a SGPA of 2.00 or above, and has, in that semester no E, E* or F grades and no more than, three grades at the levels of C-, D+ or D.

6.3.5 Cumulative Grade Point Average (CGPA)

The Cumulative Grade Point Average (CGPA), which is calculated using the formula given in section 6.3.2, describes a student's current standing in terms of grade points earned for all GPA course units (n) registered up to a given point of time (except for those awarded with academic concession).

6.3.6 Class Standing

Class standing of a student is determined at the end of Level (II) considering results of level (I) and level (II) examinations based on the Cumulative Grade Point Average (CGPA). All course units including course units with grade C-, D+, D, E, E* and F shall be considered to calculate CGPA. The following conditions shall be satisfied to fulfill the class standing to register for level (III).

6.3.6.1 CGPA shall not be less than 2.00

6.3.6.2 Successful Completion of each Semester as defined in section 6.3.4.

6.3.6.3 No MC, AC or WH grades are received.

6.3.7 Temporary Registration

If the three conditions under section 6.3.6 are not satisfied a student shall request for a temporary registration for Level III and such request shall be considered at a Faculty Board. If the above conditions are fulfilled at the end of level (III) under temporary registration, the students shall request for a proper registration for Level (III). It is the students responsibility to fulfill the above conditions within the period of temporary registration. Students shall not be qualified to participate in the Industrial Training under the temporary registration.

6.4 Grading

6.4.1 Grades will be allocated based on the performance of a student. The performance of a student shall be evaluated for each course unit as prescribed by the Senate on the recommendation of the Faculty Board subjected to eligibility requirements stipulated in the Rules and Regulations.

6.4.2 The Great Point Value (GPV) earned for a Course Unit, which is counted for Grade Point Average (GPA) shall be expressed by a letter grade on a Four Point Grading System as described below.

Grades	Grade Point Value (GPV)	Notes
A+	4.0	1
A	4.0	
A-	3.7	
B+	3.3	
B	3.0	
B-	2.7	
C+	2.3	
C	2.0	2
C-	1.7	3
D+	1.3	3
D	1.0	3
E,E*	0	3,4,6
F	0	3,5
AC	-	6
MC	-	7
WH	-	8

Note:

- (1) Grade A+ signifies superior performance.
- (2) Grade C or above is the normal requirement to pass a Course Unit. The maximum grade point accruing to a student repeating a course shall correspond to a grade C. (3) Any grade below C is not accepted as a pass mark.
- (4) A student failing ESA receives a grade E (or E*), and is required to repeat only the ESA component.
- (5) A student failing in Continuous Assessment (CA) receives an F grade, and must repeat both components CA and ESA. The Continuous Assessment marks shall be carried forward up to a maximum of two consecutive academic years (except the proper attempt) and shall only be replaced with an improvement by reattempting. Improved Continuous Assessment marks shall be eligible for the improvement of overall grade to the highest possible grade of C.
- (6) A student who has missed an end-semester examination because of any reason other than medical may appeal with supporting documents to the Dean for a concession within one week from the date of the relevant examination. In case of failing to produce an acceptable reason, a grade of E* will be given. If the given reason is accepted by the Senate on the recommendation of the Faculty Board, a Letter AC will be given and such a student shall be allowed to sit for the next immediate examination and considered as the first attempt.
- (7) Grade MC signifies the Concession granted on Medical reasons.
- (8) Grade WH signifies the Withheld of Results.
 - 6.4.3 A student who registered for a course unit shall be counted as having completed the proper attempt in the relevant examination irrespective of whether he/she sit for the examination or not at the end of the semester, except for AC or MC.
 - 6.4.4 Industrial Training is a compulsory Course Unit student shall attend as prescribed in the Industrial Training Manual and earn a minimum of Pass-S grade to obtain a Bachelor of Technology Degree. A grade Pass-H indicating a high achievement or a grade Pass-M indicating a mediocre achievement or a grade Pass-S indicating a satisfactory achievement is required for the completion of the Industrial Training course unit. If the industrial training is

not completed successfully grade F will be given. Graduation shall be withheld if Industrial Training is not successfully completed by a student.

6.4.5 The mode of assessment and the distribution of weight between continuous assessment and end-semester examination for each course unit shall be determined by the Senate on the recommendation of the Faculty Board.

6.4.6 A student who has missed an end-semester examination because of illness shall appeal with supporting documents to the Dean for a concession within one week from the date of the examination. Letter MC given in such occasion shall require the approval of the Faculty Board. Documents supporting his/her claim for a medical concession should be in accordance with the Internal Circular issued by the University of Ruhuna for submitting Medical Certificates.

7. Requirement for the Graduation

A student shall be deemed to have passed the Bachelor of Technology Degree Examination, if he/she has:

7.1 Completed a minimum of 120 GPA credits including the credits from industrial training course unit.

7.2 Completed any other mandatory requirements prescribed by the Faculty.

7.3 Successfully completed all semesters as stipulated under section 6.3.4

7.4 Obtained a Cumulative Grade Point Average (CGPA) of 2.00 or more.

7.5 Successfully completed mandatory training course units, incentives, foundation course units as prescribed by the Faculty Board with the approval of the Senate.

8. Award of Classes : A student who has satisfied conditions given in Section 07 is eligible for an award of a Class if he/she completes the requirements indicated below within four academic years.

GPA = 3.70 First Class

GPA 3.30 - 3.69 Second Class (Upper Division)

GPA 3.00 - 3.29 Second Class (Lower Division)

A student who has not satisfied the eligibility requirements for a Class shall be deemed to be eligible for the award of the degree of Bachelor of Technology on satisfying the minimum graduation requirements.

9. The effective date of the degree shall be the day after the last date of the semester examinations or the viva-voce examination of industrial training, which satisfies the conditions stipulated under section 7.

10. Special considerations

Notwithstanding the above provision, each individual case may be dealt with on the basis of its own merits by the Faculty Board, subjected to approval by the Senate.

11. Revision of By-Law/ Rules and Regulations

11.1 Rules and Regulations under this By-Law may be revised/amended by the Senate as and when necessary.

11.2 All other common Rules and Regulations applicable to Universities in Sri Lanka and to the University of Ruhuna in particular are also applicable to students registered for this degree programme.

11.3 This By-Law may be revised/amended as and when necessary.

12. These By-Laws shall be operative from the academic year 2016/2017 inclusively.

13. Interpretations

13.1 In this By-Law unless the context otherwise requires:

“University” means “the University of Ruhuna, Sri Lanka ” as established by the Gazette Notification No. 281/07 dated 24-01-1984.

“Council” means “the Council of the University of Ruhuna”, constituted by the Universities Act No.16 of 1978 and amendments thereof.

“Senate” means “the Senate of the University of Ruhuna”, constituted by the Universities Act No. 16 of 1978 and amendments thereof.

“Faculty of Technology” or “Faculty” means “the Faculty of Technology, University of Ruhuna”.

“Faculty Board” means “the Faculty Board of the Faculty of Technology, University of Ruhuna”.

“Dean” means “the Dean of the Faculty of Technology, University of Ruhuna”.

“Head of the Department” means the “Head of the Relevant Department of Faculty of Technology where the student is enrolled”.

13.2 Any question regarding the interpretation of this By-Law shall be referred to the Council whose decision thereon shall be final and conclusive.

14. Verification of Marks

Students are given the opportunity for the verification of marks after releasing results of course units by paying a fee at each semester. Further details of the process of the verification of marks are available at the faculty office. The final recommendation that will be made by the committee appointed for the verification of marks will be submitted to the approval of the Senate of the University of Ruhuna.

CHAPTER 4

DEPARTMENT OF ENGINEERING TECHNOLOGY

4.0 Introduction

Engineering Technology degrees are well-recognised around the world, which are designed to produce Technologists who would fit in between Engineers and Technical Officers professionally. Graduates with Technology degrees are internationally accredited according to Sydney Accord, while Engineers are accredited according to Washington Accord and Technicians are accredited according to Dublin Accord. Furthermore, Institute of Engineers, Sri Lanka (IESL) has produced an Accreditation Manual for Engineering Technology Programs outlining the criteria and procedures for accreditation, in parallel with the Sydney Accord. This degree program is designed to produce internationally recognized technologists in the area of Electromechanical Engineering Technology. The Department of Engineering Technology conducts courses in all major fields on Electromechanical Technology, to produce professional Technologists to suit the need of the country with the relevant knowledge in Electrical, Electronic and Mechanical systems and applications. In addition to this, research facilities are planning to offer to those students seeking postgraduate qualifications such as M. Sc., M.Phil. and Ph.D. Degrees in Engineering Technology and related fields.

4.1 Head of the Department

Dr. Mrs. V.H.P Vitharana,

B.Sc.(Ruhuna, SL), M.Phil. (Ruhuna, SL), Ph.D. (SIIT, Thailand)

Contact details

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Address : Head, Department of Engineering Technology, Faculty of Technology, University of Ruhuna, Karagoda-Uyangoda, Kaburupitiya, Sri Lanka

4.2 Staff members of the department

Designation	Name	Specialization
Head of the Department	Dr. Mrs. V.H.P Vitharana B.Sc.(Ruhuna, SL) M.Phil. (Ruhuna, SL) Ph.D. (SIIT, Thailand)	Engineering Technology, Exploratory factor analysis, Occupational health and safety Renewable energy, Structural equation modeling, Whole-body vibration exposure
Senior Lecturers	Dr. K.G.S. Harshadewa Gunawardana <i>B.Sc.(Phys.Sp.) University of Peradeniya, Ph.D. University of Oklahoma, U.S.A., Post Doc. (Ames Lab. USDOE, USA)</i>	Computational Material Science and Engineering, Statistical modeling and analysis, Nanoscale heat transport, Modeling Electronic and Heat Transport, Graphene/Carbon nanotubes, Alloys, and Metallic Systems
	Dr. A. Milhan Ajward B.Sc.(Ruhuna, SL) Ph.D. (Cincinnati, USA)	Experimental Condensed Matter Physics, Organic-Semicon. Nano-Materials Physics, Applied Physics/Electronics
	Dr. Ms. V.H.P Vitharana B.Sc.(Ruhuna, SL), M.Phil. (Ruhuna, SL) Ph.D. (SIIT, Thailand)	Engineering Technology, Exploratory factor analysis, Occupational health and safety, Renewable energy, Structural equation modeling, Whole-body vibration exposure

Probationary Lecturers	Eng. H.G.T.Milinda (Study Leave) B.Tech. (Open, SL) B.Sc. (Applied) (Rajarata, SL) AMIE(SL), AMIMEchE(UK)	Mobile Robot, Data Mining Soft Robotics and Service Robot Artificial Intelligent
	Eng. Harshana Laknath B.Sc.Eng. (Ruhuna, SL) AMIE(SL)	Control Engineering, Computational Fluid Dynamics, Machine Design, Mechatronics Renewable Energy Applications
	Eng. (Ms.) H.C Ganege B.Sc.Eng. (Ruhuna, SL) M.Sc. (Moratuwa,SL) AMIE(SL)	Power Systems, Electrical Installation Renewable Energy Building Management System Energy Management
	Mrs. D. N. Liyanage B.Tech. Hons. (Uva Wellassa, SL) M. Sc. (PGIS, Peradeniya, SL) Mrs. D. N. Liyanage	Materials Science and Technology Nanoscience and Nano Techno. Materials Characterization Techn. Dye-sensitized Solar cells Materials Science and Technology
	Ms. Yashodha G. Kondarage B.Tech. Hons. (Uva Wellassa, SL) M.Sc. (Moratuwa,SL) (Reading)	Materials Science and Technology, Material Characterization and Instr., Nano Technology, Photocatalyst Polymer Materials and Composites, Waste Management
	Eng. (Ms.) W.G. Ayomi Pabasara B.Sc. Eng.(First Class) (Moratuwa, SL) AMIE(SL)	Polymer Engineering, Metal and Alloys Advanced Materials, Material Charac. and Instru., Nanotechnology Env. Man. tools and techniques Mang. Sys. (ISO 14001, ISO 9001)
	Eng. M.B. Akesch Deemantha B.Sc. Eng. Hons. (Moratuwa, SL) M.Sc. (Moratuwa, SL) AMIE (SL)	Manufacturing Engineering, Corrosion Science and Engineering, Materials Engineering
	Eng. (Mrs). J.W. Achini Madushika B. Sc. Eng. Hons. (Moratuwa, SL) AMIE (SL)	Innovative and sustainable textile technology, Room acoustics, Wearable electronics, Composites, Performance modeling of textile products and systems, Renewable Energy Technology
	Mrs. B.H.C.S.Thilakarathna B. Sc. (Phy.Sp.) (Ruhuna, SL) M. Sc. (Cincinnati, USA) M. Phil. (Ruhuna, SL) (Reading)	Physics, Computational Material Science and Engineering
	Eng. H.V.H.H. Senavirathna B.Sc. Eng. Hons. (Moratuwa, SL) M.Sc. (Peradeniya, SL) (Reading) AMIE(SL), AMIMECHE(UK), MIEEE	Material Characterization, Polymer sciences & Technology, Composites, Alloys, Solids mechanics, Nano science & technology, Corrosion & Degradation, In-situ experiments on materials, Digital Image Correlation , Material Synthesis, Waste Management, Prediction modeling
Eng. L.S.L. Fernando B.Sc. Eng. Hons. (KDU, SL) M. Phil. (USJP, SL) (Reading)	Application of optimization techniques for Power Systems, Signal Processing and Wireless Communications, Ultra-reliable Communication and MIMO systems	

4.3 Objectives of the Degree Programme – B. Engineering Technology

The curriculum of this degree programme focusses on electromechanical instrumentations and process control, which incorporates elements of electronic, electrical and mechanical engineering technology. The electrical component of the curricular includes course works on basic knowledge in electricity and magnetism, current electricity, analog circuits, digital circuits, circuit analysis and faults diagnosis, electrical power systems, operation and maintenance of computer hardware and computer networking. The electronic component includes analogue electronic systems, digital electronic systems, programmable digital electronics, power electronics and applications, electronic system design, etc. The mechanical component of the curricular includes mechanical and engineering properties of matter, computer aided drafting, basic motor mechanics, hydraulic pumps, robotics, mechatronics and several workshop training course units. Integration of electrical and mechanical components takes place through several course units on applications. Relevant knowledge in basic Science and Mathematics, ICT knowledge and basic Management knowledge would be provided through relevant course units.

Main Objectives:

1. To offer a quality degree programme for students who enter the university through Advanced Level Engineering Technology stream.
2. To produce graduates qualified to be professional Electromechanical Engineering Technologists locally as well as internationally.
3. To provide expertise to design, develop and manage electrical, electronic and mechanical systems in modern working environment.
4. To provide qualified manpower to enhance the productivity, quality, efficiency and sustainability of local industries through the use of relevant technologically developed Electrical, Electronic and Mechanical systems.
5. To produce Technologists with competent broad knowledge on electromechanical engineering technology in vast areas of applications.
6. To produce graduates qualified to teach in Engineering Technology streams in schools and in Technical Colleges and knowledge transfer to society.

4.4 Course Unit Combinations - Engineering Technology

The detailed course structure is given below. The names of the course units and number of credits for respective course units are given under three main sections of the degree program, namely, Mathematics, Basic Science and Computing, Engineering Science and Design, and Complementary Studies. The details of objectives, expected output, course content, assessment method and textbooks for each course units are available in website.

4.4.1 BET Level I

BET Level I Semester I			
Course Code	Subject	Credits	Remarks
Engineering Science and Design			
ENT1111	Workshop Technology I	1 (45 h)	
ENT1121	Foundation for Technology	1 (45 h)	
Mathematics, Basic Science, Computing			
TMS1113	Foundation of Mathematics	3	
TMS1122	Chemistry of Materials	2	
TMS1132	Computer Fundamentals and PC Applications	2 (T+P)	
TMS1143	Physics of Mechanical Systems	3	
TMS1152	Applied Calculus I	2	
TMS1161	Common Practical I (Mechanical systems)	1 (45 h)	
Complementary Studies			
ENG1114	English I	4	4 hours per week
Total Credits			19

B. Eng. Tec. Level I Semester II			
Course Code	Subject	Credits	Remarks
Engineering Science and Design			
ENT1211	Workshop Technology II	1 (45 h)	
ENT1221	Common Practical II (Electricity and Magnetism)	1 (45 h)	
ENT1231	Common Practical II (Engineering properties of matter)	1 (45 h)	
ENT1242	Electricity and Magnetism	2	
ENT1253	Engineering Properties of Matter	3 (45 h)	
Mathematics, Basic Science, Computing			
TMS1213	Applied Calculus II	3	
TMS1223	Computer Programming Techniques	3	
Complementary Studies			
ENG1212	English II	2	2 hours per week
TCS1222	Fundamentals of Management	2	
Total Credits			18

4.4.2 BET Level II

B. Eng. Tec. Level II Semester I			
Course Code	Subject	Credits	Remarks
Engineering Science and Design			
ENT2113	Analogue Electronic Systems	3	
ENT2121	Electronic Laboratory I	1 (P)	
ENT2132	Renewable and Alternative Energy Technology	2	
ENT2142	Object Oriented Programming	2 (T+P)	
ENT2152	Properties of Materials and Applications	2	
Mathematics, Basic Science, Computing			
TMS2112	Basic Environmental Science	2	
Complementary Studies			
ENG2112	English III	2	2 hours per week
TCS2122	Soft Skills	2 (T+P)	
TCS2132	Business Economics	2	
Total Credits			18

B. Eng. Tec. Level II Semester II			
Course Code	Subject	Credits	Remarks
Engineering Science and Design			
ENT2213	Digital Electronic Systems	3	
ENT2221	Electronic Laboratory II	1 (P)	
ENT2232	Instrumentation and Calibration	2	
ENT2242	Basic Automobile Technology	2	
ENT2251	Introduction to Robotics Laboratory (Common Practical IV)	1 (P)	
ENT2262	Technical Drawing & Computer Aided Drafting	2 (P)	
Mathematics, Basic Science, Computing			
TMS2213	Probability and Statistics	3 (T+P)	
Complementary Studies			
ENG2212	English IV	2	2 hours per week
TCS2222	Accounting for Technologists	2	
Total Credits			18

4.4.3 BET Level III

B. Eng. Tec. Level III Semester I			
Course Code	Subject	Credits	Remarks
Engineering Science and Design			
ENT3112	Electrical Power Systems	2 (T+P)	
ENT3122	Electrical/Electronic and Mechanical Equipment Maintenance	2 (T+P)	
ENT3132	Computer Hardware and Network Maintenance	2 (T+P)	
ENT3142	Circuit Analysis & Faults Diagnosis	2 (T+P)	
ENT3152	Introduction to Robotics	2 (T+P)	
ENT3161	Workshop Technology III	1 (P)	
ENT3172	Welding Techniques	2 (T+P)	
Complementary Studies			
TCS3111	Safety and Risk Management	1	
TCS3121	Ethics for Technologists	1	
ENG3112	English V	2	2 hours per week
Total Credits			17

B. Eng. Tec. Level III Semester II			
Course Code	Subject	Credits	Remarks
Engineering Science and Design			
ENT3216	Industrial Training	6	6-month period
Total Credits			6

**Industrial training guidelines are available in the faculty website.

4.4.4 BET Level IV

B. Eng. Tec. Level IV Semester I			
Course Code	Subject	Credits	Remarks
Engineering Science and Design			
ENT4113	Mechatronics	3 (T+P)	
ENT4123	Electronic System Design	3 (T+P)	
ENT4132	Mechanics of Machines	2 (T+P)	
ENT4142	Machine Design	2 (T+P)	
Elective Modules			
ENT4152	Bio Medical Equipment*	2	*Have to take minimum one elective module
ENT4162	Polymer Materials *	2	
ENT 4070	Research and Design Project	**	
Complementary Studies			
TCS4112	Creativity, Innovation & Entrepreneurship	2	
TCS4121	Human Resources Management	1	
TCS4132	Operations Management for Technologists	2	
Total Credits			17

B. Eng. Tec. Level IV Semester II			
Course Code	Subject	Credits	Remarks
Engineering Science and Design			
ENT4212	Programmable Digital Electronics	2 (T+P)	
ENT 4223	Power electronics and applications	3 (T+P)	
ENT4232	Fluid Dynamics and Machinery	2	
ENT4243	Nanotechnology	3	
ENT4252	Refrigeration & Air Conditioning	2 (T+P)	
ENT4068	Research and Design project	8	
Total Credits			20
TOTAL CREDITS FOR THE DEGREE			133

4.5 Programme Outcomes for Engineering Technologists

- Engineering Technology Knowledge:** Apply knowledge of Mathematics, Science and Electromechanical Engineering Technology to defined and applied procedures, processes, systems or methodologies.
- Problem Analysis:** Identify, formulate, and analyse broadly defined Technology problems reaching substantiated conclusions using Mathematics, Basic Sciences, ICT and Electromechanical Technology.
- Design development of solutions:** Design solutions for broadly defined technical problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
- Investigation:** Conduct investigations of broadly defined problems using technical knowledge and experience to provide valid outcome.
- Modern Tool Usage:** Create, select and apply appropriate techniques, resources, and modern Technology and IT tools, including prediction and modelling, to broadly defined Electromechanical Technology activities, with an understanding of the limitations.
- The Technologist and Society:** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues, and the consequent responsibilities relevant to professional Technological practices.
- Environment and Sustainability:** Understand the impact of professional Technological solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
- Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of Technological practice.
- Individual and Teamwork:** Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.
- Communication:** Communicate effectively on broadly defined Technological activities with the professional community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project Management and Finance:** Demonstrate knowledge and understanding of Technical and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Lifelong learning:** Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the context of technological changes.

4.6 Department Resources

The Department has the following infrastructure facilities: four elementary laboratories; Engineering Technology Laboratory, Electronic and simulation Laboratory, Robotics and Automation Laboratory and Materials Laboratory that can cater up to 100, 50, 120, 30 undergraduate students respectively. Further two lecture theaters that can cater up to 180 students, two well-equipped technology workshops and one well equipped technology drawing unit.

Laboratories and workshops are equipped with the following facilities with other default facilities.

4.5.1 Engineering Technology Laboratory

Desktop computers, Analog oscilloscopes, "PASCO" training sets , Digital Multimeters, Function Generators, Frequency Counters, Digital Storage Oscilloscopes, Spectrum Analyzers and Logic Analyzers. Power supplies, Lux meter, Earth resistance tester, Insulation Tester, Clamp meter, etc.

4.5.2 Electronic and Simulation Laboratory

Digital storage oscilloscopes, Logic analyzers, Digital electronic training module sets (NI training kit), Desktop computers, Function generators, Spectrum analyzers , Soldering stations, Softwares (LabVIEW, Multisim), LCR meters, Digital Thermometers, etc.

4.5.3 Robotics and Automation Laboratory

Analog and digital motor teaching sets, Pneumatics Trainer ("FESTO") Hydraulics trainer, Industrial control trainer and PLC Teaching set, Introduction to PLCs trainer teaching set, Transducers, Instrumentation and control teaching set etc.

4.5.4 Materials Laboratory

Digital density gravity meter, Digital pressure gauge (prisma), Non Destructive Testing (NDT) complete set, Programmable high temperature muffle furnace, Strain gauge experiment setup, Thermal conductivity measurement apparatus, Tensile testing machine (UTM), 3D printer, Metallographic microscope, Metal polisher etc.

4.5.5 Engineering Workshops

CNC machines(Milling/Lathe), Welding plants(Mig, Tig, Gas Arc)Milling machines, Lathe machines, Surface grinders, Plate bending machines, Surface grinders, Automobile engine training sets(Diesel/Petrol), Refrigeration trainers set , Plate shearing machine, Band saw machines, Manual three roller bender, Press brake machine, Power saw machine, Laser cutter etc..

CHAPTER 5

DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY

5.0 Introduction

One of the main problems in Sri Lanka is the lack of sufficient IT professionals to cope up with the rapidly developing technological advances at the work place. Many institutes, hospitals and industries import equipment with advanced technology in order to improve the quality of their products and enhance the efficiency of their procedures and production lines. Most of these high tech equipment are computer controlled and some need IT experts to operate and modify relevant software. Furthermore, it has been noticed that some industries could have improved their efficiency if technological advances in IT had been deployed. The proposed BICT degree programme has been focused on Application Development BICT, which is one of the degree programme proposed by Computer Society of Sri Lanka under new ICT Degree Programme Accreditation Framework. The main objective is to produce quality application developers with relevant subject knowledge on application development principles and ICT principles and with relevant complementary subject knowledge, who could build professional careers in the field of ICT.

5.1 Head of the Department

Dr.P.K.Subash Jayasinghe , B.Sc.(Ruhuna, SL) , M.Sc. (Ibaraki,JP) ,Ph.D.(TUAT,JP)

Contact details

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Faculty of Technology, University of Ruhuna, Karagoda-Uyangoda,Kaburupitiya, Sri Lanka

5.2 Members of the Academic Staff

Designation	Name	Specialization
Head of the department	Dr.P.K.Subash Jayasinghe B.Sc.(Ruhuna, SL), M.Sc.(Ibaraki , Japan), Ph.D.(TUAT , Japan)	IT in Agriculture, Image retrieval algorithm, GIS and Remote sensing and HCI
Probationary Lecturers	Ms. U.H.W.A Hewage B.CS. (Ruhuna, SL) (On Study Leave)	Data Mining for Business Intelligence E-Commerce, Knowledge Management, Project Management
	Ms.M.A.N.D.Sewwandi B.CS. (Ruhuna, SL)) (On Study Leave)	Big Data Analysis, E- Commerce Knowledge Management, Web Services
	Mr. P. H. P. Nuwan Laksiri B.Sc.(IT) (Moratuwa, SL)	Enterprise Application Development Image Processing Database Management System
	Ms. Iromi R. Paranavithana B.Sc. (MIT) (Kelaniya, SL) (On Study Leave)	Data Science Big Data Analysis Data Mining and Business Intelligence

Probationary Lecturers	Ms. C. R. Liyanage B.Sc.(CS) (Peradeniya, SL) M.Sc. (Moratuwa, SL)	Data Mining and Warehousing Sentiment Analysis, Image Processing, Human Computer Interaction
	Ms. K.H. Jayani Imalka B.Sc. (MIT) (Kelaniya, SL) M.Sc. (Moratuwa, SL)	Artificial Intelligence Text Mining, Data Mining Human Computer Interaction
	Ms. D. S. Vithanage B. Sc. (IT) (KDU, SL)	Bioinformatics, Data Mining, Image Processing, , Computer Applications Web based App. development
	Ms. R.S Wickrama Arachchi B. Sc. (CIS) (Sabaragamuwa,SL)	Information Systems, Cloud Computing Information Security
	Ms.J.K.D.B.G.Jayaneththi B. Sc. (CIS) (Sabaragamuwa,SL)	Information Systems Data Mining, Software Engineering
	Ms. C.Y. Gamage B.Sc.(IT) (Moratuwa, SL)	Software Engineering, Machine Learning, Image Processing
	Ms. E.H.M.P.M.Wijerathna B.Sc.(IT) (Moratuwa, SL)	Image processing, Distributed Computing
	Ms. RDN Shakya B.Sc.(ITM) (Moratuwa, SL) M.Sc. (Kingston University, UK)	Software Testing , Machine Learning, Cyber Security
	Ms. W.A.M.Prabuddhi B.Sc.(ITM) (Moratuwa, SL)	Software Engineering, Machine Learning, Business Intelligence, Programming
	Ms. Akila Brahmana B. Sc. (CIS) (Sabaragamuwa,SL)	Information systems, Data Engineering

5.3 Objectives of The Information and Communication Technology Degree Programme

The proposed BICT degree programme has been focused on Application Development, which is one of the degree programmes proposed by Computer Society of Sri Lanka under new ICT Degree Programme Accreditation Framework. The main objective is to produce quality application developers with relevant subject knowledge on application development principles & ICT principles and relevant complementary subject knowledge, who could build professional carriers in the field of ICT.

The main objectives of the degree program can be listed as follows.

Main Objectives:

1. Prepare graduates for positions in software development careers by providing industry-relevant applied education in application development.
2. Produce graduates with a broad knowledge on current industry trends including Web, cloud and mobile applications, as well as industry practices.
3. Prepare graduates to meet current and future industry needs and emerging software trends.
4. Produce high quality software developers with personal skills for a successful career in research and development, industry or other commercial application development related enterprises.

The curriculum of this degree programme is designed to produce graduates with the subject knowledge on application development and with the knowledge on complementary subjects on Ethics, Economics, Accounting and Management relevant to businesses.

5.4 Course unit combination - BICT

The detailed course structure is given below. The names of the course units and number of credits for respective course units are given under three main sections of the degree programme, namely, Information Technology, Mathematics and Statistics and Complementary Studies. The details of objectives, expected output, course content, assessment method and text books for each course unit is available in website.

5.4.1 BICT Level I

BICT Level I Semester I		
Course Code	Course Name	Credits
Information Technology		
ICT1112	Essential of ICT and Computer Hardware	02(1T+1P)
ICT1122	Introduction to Multimedia Technologies	02(1T+1P)
ICT1132	Fundamentals of Computer Programming	02(2T)
ICT1142	Programming Practicum	02(2P)
ICT1153	Web Technologies	03(T+2P)
ICT1161	Fundamentals of Information Systems	01(1T)
Mathematics and Statistics		
TMS1112	Foundation of Mathematics	02(2T)
Complementary Studies		
ENG1114	English I	NC
Level I Sem. I Total Credits		14

BICT Level I Semester II		
Course Code	Course Name	Credits
Information Technology		
ICT1212	Database Management Systems	02(2T)
ICT1222	Database Management Systems Practicum	02(2P)
ICT1233	Server-Side Web Development	03(2T+1P)
ICT1242	Computer Architecture	02(2T)
ICT1253	Computer Networks	03(2T+1P)
Mathematics and Statistics		
TMS1233	Discrete Mathematics	02 (2T)
Complementary Studies		
ENG1222	English II	NC
TCS1212	Fundamentals of Management	02(2T)
Level I Sem. II Total Credits		16

5.4.2 BICT Level II

BICT Level II Semester I		
Course Code	Course Name	Credits
Information Technology		
ICT2113	Data Structures and Algorithms	03(2T+1P)
ICT2122	Object Oriented Programming	02(2T)
ICT2132	Object Oriented Programming Practicum	02(2P)
ICT2142	Software Engineering	02(2T)
ICT2152	E-Commerce Implementation, Management and Security	02(2T)
Complementary Studies		
TCS2112	Business Economics	02(2T)
TCS2121	Soft Skills	01(1T)
ENG2132	English III	02(2T)
Level II Sem. I Total Credits		16

BICT Level II Semester II		
Course Code	Course Name	Credits
Information Technology		
ICT2213	Operating System Concepts & Applications	03(2T+1P)
ICT2223	Internet of Things	03(2T+1P)
ICT2232	Object Oriented Analysis & Design	02(2T)
ICT 2242	Management Information System	02(2T)
ICT2252	Wireless Communications	02(2T)
Mathematics and Statistics		
TMS2212	Probability and Statistics	02(1T+1P)
Complementary Studies		
ENG2222	English IV	02(2T)
TCS2212	Accounting for Technologists	02(2T)
Level II Sem. II Total Credits		18

5.4.3 BICT Level III

BICT Level III Semester I		
Course Code	Course Name	Credits
Information Technology		
ICT3112	Advanced Programming	02(2T)
ICT3122	Advanced Programming Practicum	02(2P)
ICT3133	IT Project Management	03(3T)
ICT3142	Software Testing Methods and Tools	02(2T)
ICT3152	Human Computer Interaction	02(2T)
ICT3162	Rapid and Agile Software Development	02(2T)
ICT3171	Business Analysis Essentials	01(1T)
ICT3183	Group Project	03(3P)
Complementary Studies		
ENG3122	English V	02
TCS3111	Human Resources Management	01(1T)
Level III Sem. I Total Credits		18

BICT Level III Semester II		
Course Code	Course Name	Credits
Information Technology		
ICT3212	Advanced Database Management Systems	02(2T)
ICT3222	Advanced Database Management Systems Practicum	02(2P)
ICT3233	Data Science & Analytics	03(3T)
ICT3243	Mobile Application Development	03(2T+1P)
ICT3252	Software Verification and Quality Assurance	02(2T)
ICT3263	Digital Image Processing	03(2T+1P)
Complementary Studies		
ENG 3212	Scientific Writing and Research Methodologies	02(2T)
Level III Sem. II Total Credits		17

5.4.4 BICT Level IV

BICT Level IV Semester I		
Course Code	Course Name	Credits
Information Technology		
ICT4010	Research project*	-
ICT4122	Emerging Trends in IT	02(2T)
ICT4133	Artificial Intelligence	03(2T+1P)
ICT4142	Professional Issues in IT	02(2T)
ICT4153	Network, Computer and Application Security	03(2T+1P)
ICT4163	Distributed Systems and Cloud Computing	03(2T+1P)
Complementary Studies		
TCS4112	Creativity, Innovation & Entrepreneurship	02
Level III Sem. I Total Credits		15

6.4.5 BICT Level IV : Industrial Training

Level IV Semester II has to be released for Industrial Training after Level IV Semester I Examination to end of Level IV academic year.

BICT Level IV Semester II		
Course Code	Course Name	Credits
Information Technology		
ICT4225	Industrial Training	05
ICT4216	Research project (Continued)	06
Level III Sem. II Total Credits		11

** Industrial training guidelines are available in the faculty website.

5.5 Programme outcomes of the Information and Communication Technology Degree

1. Theoretical Knowledge: Understand knowledge on relevant basic Mathematics, Statistics, Social Business, ICT and application development principles, practices and languages, and apply such

- knowledge to collect and analyze details related to ICT-based application development environments.
2. **Practical Knowledge and Application:** Design and develop ICT-based application-level solutions to business and social problems meeting the specified needs of the domain under consideration and apply knowledge of ICT and application development principles, practices and languages, to defined and applied procedures, processes, systems or methodologies of software development.
 3. **Modern Tool Usage:** Create, select and apply appropriate techniques, resources, and modern Technology and IT tools, to application development activities, with an understanding of the limitations.
 4. **The Technologist and Society:** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional software development practices.
 5. **Environment and Sustainability:** Understand the impact of professional application-level solutions in societal and environmental contexts and demonstrate knowledge of and need of such systems for sustainable development.
 6. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of software development practices.
 7. **Individual and Teamwork:** Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.
 8. **Communication:** Communicate effectively with different stakeholders in application development environments, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
 9. **Project Management and Finance:** Demonstrate knowledge and understanding of Technical and management principles related to managing software development projects and apply these to ones own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
 10. **Lifelong learning:** Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the context of technological changes.

5.6. Department Resources

Department have four labs and two lecture halls. Number of students that can be accommodated in each resource is as follows.

Name of Lab/Lecture Hall	Number of Students
ICT Lecture Hall	60 students
ICT Lab11	86 students
ICT Lab 12	70 students
ICT New Lab	47 students
ICT workshop Lab	72 students

CHAPTER 6

DEPARTMENT OF BIOSYSTEMS TECHNOLOGY

6.0 Introduction

The government through the Ministry of Education has introduced the Technology Stream to the school system in Sri Lanka to provide opportunities for students to learn more technology-oriented subjects with the expectation of producing a workforce to suit the technological advances in the country. One of the main objectives was to provide facilities in schools to attract students to follow technology-oriented subjects instead of arts stream subjects, as many students do not have facilities to follow science-based subjects in schools. This degree programme is designed to fulfil the above need of the country on the request of the Ministry of Higher Education and UGC. One of the main problems in Sri Lanka is the lack of professionals to cope up with the rapidly developing technological advances at workplaces. Many institutes, hospitals and industries import equipment with advanced technology in order to improve the quality of their products and enhance the efficiency of their procedures and production lines. Furthermore, it has been noticed that some industries could have improved their productivity if technological advances had been implemented. Management of equipment is a well-known problem even in Universities and Research Institutes in the country, mainly due to the lack of professionals, even to train Technical Officers.

This degree programme is designed to address the above issues in the country by producing Technologists with the knowledge in the area of Biosystems Technology. In particular, Biosystems in Agricultural, Biomedical, Bioprocessing and Environmental fields will be focused. In addition, graduates would have sufficient knowledge and skills in ICT for day-to-day work. Furthermore, they would have the basic knowledge in management to work as a professional Technologist.

The first batch of the students who were selected to follow the Bachelors of Biosystems Technology Degree programme at Faculty of Technology, University of Ruhuna was admitted in 2018 followed by 2nd batch in 2019, third batch in 2021 and fourth batch in 2022. Initially, approved intake was 50 students, and it has been increased up to 100 by now.

Department of Biosystems Technology is satisfactorily resourceful with physical, human and other resources ensuring a peaceful learning environment for students.

Many course units are developed with practical components, in which the students' performance is evaluated continuously. Separate time slots are allocated in the timetable for help desks, so that students could meet the relevant staff and solve their problems individually.

7.2 Head of the Department

Dr. Thissa Karunarathna

BSc (Kelaniya, SL), M.Sc (IBMBB, Colombo, SL), PhD (IBMBB, Colombo, SL)

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Address : Head, Dept. of Biosystems Technology, Faculty of Technology, University of Ruhuna, Karagoda, Uyangoda Kamburupitiya, Matara, Sri Lanka

6.3 Members of the Academic Staff

Designation	Name	Specialization
Head of the department	Dr. K. H. T. Karunarathna B.Sc. (Kelaniya, SL) M.Sc. (IBMBB, Colombo, SL) Ph.D (IBMBB, Colombo, SL)	Molecular Life Sciences Analytical Chemistry, Nano technology Bioinformatics, Bioprocess Technology
Professors	Prof.E.P.S.Chandana B.Sc (Ruhuna,SL) M.Phil (Ruhuna, SL) PhD (Kyoto,Japan)	Molecular Biology and Biotechnology Biochemistry Environmental Science Research Methodology Conducting Research on Molecular Biology, Plant Based Medicines
Senior Lecturers	Dr. (Mrs.) KMW Rajawatta B.Sc in Agriculture (Ruhuna, SL) M.Sc (Kelaniya, SL) PhD (China)	Crop Growth Modelling Agricultural Engineering ICT in Agriculture Hydroponics
	Dr. (Mrs.) H. C. C. De Silva BSc (Hons) in Fisheries and Marine Sciences PhD (Environmental Engineering), (Saitama, Japan)	Fisheries Biology, Limnology and Water Technology, Environmental Science
Lecturer (Unconfirmed)	Dr. Niranjan Kannangara BSc in Forestry and Environmental Science (USJP, SL), PhD in Medical Entomology/Environmental Science (Kelaniya, SL)	Energy Management, Waste Management, Environmental Management, Quality Assurance, Climate Change
Probationary Lecturers	Mrs. W.M. Champika. S. Jayaweera B.Sc in Agriculture (Ruhuna, SL) M.Phil (Ruhuna, SL) (reading)	Plant Physiology, Horticulture, Agronomy, Molecular Biology, Environmental Science, Soil science
	Mr. H. A. C. Priyankara B.Sc in Agricultural Resource Management & Technology (Ruhuna,SL) M.Sc (Chulalongkorn, Thailand) (reading)	Environmental Science, Bioenergy, Geoinformatics, Sustainable agriculture, waste management, Quality management systems, Carbon Footprint, Life Cycle Assessment, Environmental Monitoring, Environmental Sustainability
	Ms. M. S. Jayathilaka B.Sc in Agricultural Resource Management & Technology (Ruhuna,SL) M.Sc (AIT, Thailand) (reading)	Agricultural Engineering Precision Agriculture Enzyme Technology Statistics
	Mrs. W. H. N. Y. Hewage B.Sc in Agricultural Resource Management & Technology (Ruhuna,SL) PhD (Edinburgh, UK) (reading)	Crop Science, Plant genetics, Biochemistry, Next generation genome Bioinformatics, Medicinal Plants Natural Products Bioactive Compounds
	Mr. W. A. H. M. Karunarathne B.Sc. (Peradeniya, SL) M.Sc. (Jeju, South Korea) PhD. (Jeju, South Korea) (reading)	Animal Science & Technology Marine Life Science Biochemistry, Gene technology Enzyme Technology

6.4 Biosystems Technology Degree Program

The curriculum of this degree programme focuses on producing Technologists with the knowledge and technical expertise on Biosystems in Agricultural, Biomedical, Bioprocessing and Environmental fields. Relevant knowledge on Basic Science and Statistics, soft skills, ICT, entrepreneurship and basic management would be provided through the relevant course units. As per the approval of the University Grant Commission Sri Lanka (UGC), the National Biotechnology Industry Association, Sri Lanka (NBIA) is responsible for the accreditation of Biosystems Technology programmes in Sri Lanka and in providing consultative feedback on the development of Biosystems Technology education programmes comparable to global practice. The National Biotechnology Industry Association (NBIA), Sri Lanka evaluates Biosystems Technology degree programme and accords accreditation in accordance with established criteria and procedures, through its Accreditation Board.

The main objectives of the degree program can be listed as follows.

Main Objectives:

1. To offer a quality degree programme for students who enter the university through Advanced Level Biosystems Technology stream.
2. To produce graduates qualified to be professional Biosystems Technologists locally as well as internationally.
3. To provide expertise to design, develop and manage Biosystems in modern working environment.
4. To provide qualified manpower to enhance the productivity, quality, efficiency and sustainability of local industries through the use of relevant technologically developed Biosystems.
5. To produce Technologists with broad knowledge on Biosystems.
6. To produce graduates qualified to teach in the Biosystems Technology streams in schools and in Technical Colleges and to transfer the knowledge in technology to society.

6.5 Course unit combination - BST Stream

The detailed course structure is given below. The names of the course units and number of credits for respective course units are given under two main sections of the degree programme, namely, module name and complementary studies. The details of objectives, expected output, course content, assessment method and text books for each course unit is available in website.

6.5.1 BBST Level I

BBST Level I Semester I		
Course Code	Course Name	Credits
BST1112	Information Technology I	02 (T+P)
TMS 1113	Fundamentals of Mathematics	03 (T)
BST1132	General Biology	02 (T+P)
BST1142	Plant Physiology	02 (T+P)
BST1152	Animal Physiology	02 (T+P)
BST1162	Introduction to Environmental Science	02 (T+P)
BST1172	Analytical Chemistry	02 (T+P)
BST1181	Thermodynamics	01 (T)
Complementary Studies		
ENG1114	English I	04(ND)
Level I Sem. I Total Credits		20

BBST Level I Semester II		
Course Code	Course Name	Credits
BST1212	Information Technology II	02 (T+P)
BST1222	Electronics for Biosystems Technology	02 (T+P)
BST1232	Organic Chemistry	02 (T+P)
BST1242	Basic Biochemistry	02 (T+P)
BST1251	Fundamental Genetics	01 (T)
BST1262	Basic Microbiology	02 (T +P)
BST1272	Introduction to Fisheries Biology	02 (T+P)
BST1282	Fundamentals in Agriculture	02 (T+P)
Complementary Studies		
ENG1222	English II	02 (ND)
TCS1212	Fundamentals of Management	02 (T)
Level I Sem. II Total Credits		19

6.5.2 BBST Level II

BBST Level II Semester I		
Course Code	Course Name	Credits
BST2112	Application of Biosystems Technology	02 (T+P)
BST2123	Engineering Properties of Biomaterials	03 (T+P)
BST2132	Enzyme Technology	02 (T+P)
BST2142	Bioenergy Systems	02 (T+P)
BST2152	Bio-separation Processes	02 (T+P)
BST2162	Biomechanics	02 (T+P)
Complementary Studies		
TCS2112	Business Economics	02
TCS2122	Soft Skills	02(T+P)
ENG2122	English III	02
Level II Sem. I Total Credits		19

BBST Level II Semester II		
Course Code	Course Name	Credits
BST2212	Conservation technologies	02 (T+P)
BST2222	Geoinformatics and Biosystems	02 (T +P)
BST2232	Indigenous knowledge in Biosystems management	02 (T +P)
BST2242	Nanotechnology	02 (T+P)
BST2253	Gene technology	03 (T+P)
BST2262	Statistical applications in biosystems technology	02 (T+P)
Complementary Studies		
ENG2222	English IV	02
TCS2212	Accounting for Technologists	02
Level II Sem. II Total Credits		17

6.5.3 BBST Level III

BBST Level III Semester I		
Course Code	Course Name	Credits
BST3113	Environmental Monitoring and Waste Management	03 (T+P)
BST3123	Tissue Culture Technology	03 (T+P)
BST3133	Industrial Microbiology	03 (T+P)
BST3142	Biomedical Technology	02 (T+P)
Complementary Studies		
ENG3122	English V	02
TCS3111	Safety and Risk Management	01
TCS3121	Ethics for Technologists	01
TCS3131:	Art and Tradition	01
Level III Sem. I Total Credits		16

BBST Level III Semester II		
Course Code	Course Name	Credits
BST3216	Industrial Training	06
Level III Sem. II Total Credits		16

**Industrial training guidelines are available in the faculty website.

6.5.4 BBST Level IV

Students can select either

- (A) Food, Fisheries and Agriculture Technology Stream or**
- (B) Natural Products and Environmental Technology Stream**

(A) Food, Fisheries and Agriculture Technology Stream

BBST Level IV Semester I – (A)		
Course Code	Course Name	Credits
BSTF4113	Technological Perspectives of Food Processing and Packaging	03 (T+P)
BSTF4122	Food Analyses and Quality Assurance	02 (T+P)
BSTF4132	Fish Production Systems	02 (T+P)
BSTF4142	Fisheries Technology	02 (T+P)
BSTF4152	Horticulture Technology	02 (T+P)
BSTF4162	Nursery Management Technology	02 (T+P)
BSTF4170	Design Project/ Research Project (Shall be completed in level iv)	00
Complementary Studies		
TCS4111	Communication for Technologists	01
TCS4122	Creativity, Innovation & Entrepreneurship	02
TCS4131	Industrial Sociology	01
Level III Sem. I Total Credits		17

BBST Level IV Semester II – (A)		
Course Code	Course Name	Credits
BSTF4214	Crop and Livestock Production Systems	03 (T+P)
BSTF4222	Pest Controlling Technology	02 (T+P)
BSTF4231	Postharvest Technology	03 (T+P)
BSTF4242	Farm power, Machinery and Alternative Energy Systems	02 (T+P)
BSTF4276	Design Project/ Research Project (Shall be completed in level iv)	06
Complementary Studies		
TCS4211	Human Resources Management	01
TCS4222	Operational Management for Technologist	02
TCS 4232	Active Citizenship	02
Level IV Sem. II Total Credits		20

B) Natural Products and Environmental Technology Stream

BBST Level IV Semester I – (A)		
Course Code	Course Name	Credits
BSTE4112	Soil Conservation and Land Management	02 (T+P)
BSTE4122	Soil Water and Drainage Management Technology	02 (T+P)
BSTE4133	Landscape Design and Construction	03 (T+P)
BSTE4142	Built Environment Design	02 (T+P)
BSTE4152	Field Methods in Hydrogeology	02 (T+P)
BSTE4162	Ecotourism Management	02 (T+P)
BSTF4170	Design Project/ Research Project (Shall be completed in level iv)	00
Complementary Studies		
TCS4111	Communication for Technologists	01
TCS4122	Creativity, Innovation & Entrepreneurship	02
TCS4131	Industrial Sociology	01
Level IV Sem. I Total Credits		17

BBST Level IV Semester II – (A)		
Course Code	Course Name	Credits
BSTE4212	Water Technology	02 (T+P)
BSTE4222	Forest Resources and Wood Science	02 (T+P)
BSTE4232	Natural Products Development Technology	02 (T+P)
BSTE4242	Weather Forecasting Technology	02 (T+P)
BSTE4276	Design Project/ Research Project (Shall be completed in level iv)	06
Complementary Studies		
TCS4211	Human Resources Management	01
TCS4222	Operational Management for Technologists	02
TCS 4232	Active Citizenship	02
Level IV Sem. II Total Credits		20

6.6 Program outcomes of The Biosystems Technology Degree

1. **Biosystems Technology Knowledge:** Apply knowledge of Biosystems, Bioprocesses and Applied Biosystems Technology to defined and applied procedures, processes, systems or methodologies.
2. **Problem Analysis:** Identify, formulate and analyze broadly defined technology problems reaching substantiated conclusions using Basic Sciences, biometrics, ICT and Biosystems Technology.
3. **Design development of solutions:** Design solutions for broadly defined Technical problems and design systems, components or processes that meet specified needs with appropriate consideration for agricultural, public health and safety, cultural, societal, and environmental considerations.
4. **Investigation:** Conduct investigations of broadly defined problems using technical knowledge and experience to provide valid outcome. Exploration of new and low-cost raw materials.
5. **Modern Tool Usage:** Create, select and apply appropriate techniques, resources, and modern Technology and IT tools, including prediction and modelling, to broadly defined Biosystems Technology activities, with an understanding of limitations.
6. **The Technologist and Society:** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues, and the consequent responsibilities relevant to professional Technological practices.
7. **Environment and Sustainability:** Understand the impact of professional Technological solutions in societal and environmental contexts and demonstrate knowledge and need for the sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of Technological practice.
9. **Individual and Teamwork:** Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.
10. **Communication:** Communicate effectively on broadly defined technological activities with the professional community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project Management and Finance:** Demonstrate knowledge and understanding of technical and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Lifelong learning:** Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the context of technological changes.

CHAPTER 07

DEPARTMENT OF MULTIDISCIPLINARY STUDIES

7.0 Introduction

Graduates with Technology degrees are expected to be knowledgeable on complementary subjects in addition to the subject matter of the relevant area. For example, according to the accreditation guidelines of Sydney Accords as well as IESL, Engineering Technology graduates are expected to complete about 18 credits of complementary subjects relevant to producing a professional Technologist. This is mainly due to the fact that having only the subject knowledge cannot produce a quality professional Technologist to perform well at the workplace. It is equally important to have relevant knowledge in subjects like Fundamentals of Management, Human Resource Management, Communication Skills, and Ethics at Workplace, Creativity, Invention and Innovation Skills, Entrepreneurship etc. to be successful at work. The Department of Multidisciplinary studies is established in the Faculty of Technology to offer Course Units on Complementary Subjects to fulfill the expected graduate outcome and the graduate profile.

7.1 Head of the Department

Dr. K.G.S. Harshadewa Gunawardana

B.Sc. (Phys. Sp.) University of Peradeniya, Ph.D. University of Oklahoma, U.S.A., Post Doc. (Ames Lab. USDOE, USA)

Contact details

Emails : dean@tec.ruh.ac.lk or harshadewa@etec.ruh.ac.lk, harshadewa@fot.ruh.ac.lk
 Telephone Number: Official +94 41-2234120, +94 41-2227022 ext 4501 Mobile +94 714268026
 Address : Head, Department of Multidisciplinary Studies, Faculty of Technology, University of Ruhuna, Karagoda-Uyangoda, Kaburupitiya, Sri Lanka

7.3 Members of the Academic Staff

Designation	Name	Specialization
Senior Lecturer	Dr. K.G.S. Harshadewa Gunawardana <i>B.Sc. (Phys. Sp.) University of Peradeniya, Ph.D. University of Oklahoma, U.S.A., Post Doc. (Ames Lab. USDOE, USA).</i>	
Lecturer (Probationary)	Ms. K.K.N.B. Adikaram – B.Sc. Marketing (Sp.) Hons. (Sri’J), M.Sc. Agri. Business(Ruh)	Management
	Ms. H. M. N.N Herath Lecturer(Probationary) BA in English (Sp.) Hons. (Sri’J)	English Language
	Ms. Ishanka K. Dias Bachelor of Commerce (Sp.) Hons. (Kelaniya), CIMA	Management
	Ms. Hiranya Amarasinghe BA (Hons). In Teaching English as a second language. (Kelaniya)	English Language
	Mr. Naveen Walimuni BA (Hons). In English (Kelaniya)	English Language

7.4 Course units Offered by the Department

The course units offered by the Department of Multidisciplinary Studies under Engineering Technology and ICT and BST degrees are listed in the table given.

Information and Communication Technology	
Level and Semester	Complementary Studies(Credits)
Level I Semester II	TCS1212: Fundamentals of Management (02)
Level II Semester I	TCS2112: Business Economics (02) TCS2122: Soft Skills (02)
Level III Semester I	TCS3122: Accounting for Technologists (02)
Level III Semester II	TCS3211: Human Resources Management (01)
Level IV Semester I	TCS4111: Communication for Technologists (01) TCS4122: Creativity, Innovation & Entrepreneurship (02)
Engineering Technology	
Level and Semester	Complementary Studies
Level II Semester I	TCS1212: Fundamentals of Management (02) TCS2122: Soft Skills (02)
Level II Semester II	TCS2112: Business Economics (02) TCS2122: Soft Skills (02)
Level III Semester I	TCS3111: Safety and Risk Management (02) TCS3122: Accounting for Technologists (02) TCS3121: Ethics for Technologists (02)
Level IV Semester I	TCS4122: Creativity, Innovation & Entrepreneurship (02)
Level IV Semester II	TCS4211: Human Resources Management (02) TCS4222: Operations Management for Technologist (02)
Bio systems Technology	
Level and Semester	Complementary Studies
Level I Semester I Semester II	TCS1212: Fundamentals of Management (02)
Level II Semester I Semester II	TCS2112: Business Economics (02) TCS2122: Soft Skills (02)
Level III Semester I Semester II	TCS3111: Safety and Risk Management (02) TCS3122: Accounting for Technologists (02) TCS3121: Ethics for Technologists (02)
Level IV Semester I Semester II	TCS4112: Creativity, Innovation & Entrepreneurship (02)

7.5 English

English Language is one of the main subjects coordinated by the Department of Multidisciplinary Studies. Courses related to English language are conducted by the English lecturers attached to the department. The English program offered by the department is aimed at developing writing skills and spoken skills in relation to language in common usage and scientific communication.

7.5.1 Courses offered during academic years

The Department of Multidisciplinary Studies offers English as Non-credit complementary course units for BET, BST and BICT students during the Level I to IV of the Degree Programme. Course content will be provided at the beginning of each semester.

Table 7.5.1 shows the semester wise time allocation.

Engineering Technology		
Level and Semester	Course code	Credit Value
Level I Semester I	English I - ENG1114	4
Semester II	English II - ENG1212	2
Level II Semester I	English III - ENG2112	2
Semester II	English IV - ENG2212	2
Level III Semester I	English V - ENG3112	2
Information and Communication Technology		
Level I Semester I	English I – ENG 1114	4
Semester II	English II – ENG 1222	2
Level II Semester I	English III – ENG 2122	2
Semester II	English IV – ENG 2222	2
Level III Semester I	English V – ENG 3122	2
Level III Semester I	English V – ENG 3122	2
Semester II	ENG 3212 - Scientific Writing and Research Methodologies	2
Biosystems Technology		
Level I Semester I	English I – ENG 1114	4
Semester II	English II – ENG 1232	2
Level II Semester I	English III – ENG 2132	2
Semester II	English IV – ENG 2232	2
Level III semester I	English V- ENG ENG3112	2

7.5.2 Requirement for the completion of English Course Units

The credit values of these course units are given in table 7.2. Their grades and credit values shall be considered for the calculation of Semester GPA (SGPA), which has to satisfy the clause 6.3.4 of the By-Laws (See Sec. 10 of the handbook) for the successful completion of a Semester. These credits are counted for the total credits earned but not counted for the minimum requirement of 120 credits and for the Cumulative GPA (CGPA). CGPA (Clause 6.3.5 of the By-Laws) is used for Requirement of the Graduation (Clause 7 of By-Laws) and for Award of Classes (Clause 8 of By-Laws)

Clause 6.3.4 of the By-Laws is given below:

6.3.4 Successful Completion of a Semester: A student is considered to have completed a semester successfully only if he/she has achieved a SGPA of 2.00 or above, and has, in that semester no E, E* or F grades and no more than, three grades at the levels of C- , D+ or D.

CHAPTER 8

MEDALS AND AWARDS FOR STUDENTS

8.1. Annual student awards

Vice-Chancellor's and Dean's awards shall be awarded annually to the students with the best overall performance in each faculty under the approved marking scheme. These awards are funded by the University and administered by the office of the Deputy Vice-Chancellor with the collaboration of Faculties and assistance of the Examinations and the Student Affairs branches.

8.2. Dean's awards and Dean's list for overall performance

Best five students in each batch from each faculty shall be selected under the approved marking scheme. Dean's awards shall be awarded to the best student in each batch under following categories at an award ceremony held at the faculty annually. A certificate of achievement (and a cash prize of Rs.10,000.00) will be awarded.

- Best 1st year student
- Best 2nd year student
- Best 3rd year student
- Best 4th year student (for special students of Faculties of Science and Humanities & Social Sciences, and students from Faculties of Agriculture, Engineering, FMST, Management & Finance, Allied Health Science and Technology)

Next four students in each batch who top the list under the approved marking scheme shall be included in the Dean's list and announced at the relevant Faculty Board. A certificate of achievement will be awarded to each student at an awards ceremony held at the faculty.

8.3. The Vice Chancellor's award and Vice Chancellor's list for overall performance

Best overall student who completed the degree from each faculty shall be selected under the approved marking scheme. Next two best students from each faculty shall be included in the Vice Chancellor's list.

A Gold Medal and a Certificate of Achievement shall be awarded. Students of the graduating batch will be eligible for the Vice Chancellor's Award. The Gold Medal and the Certificate of Achievement will be awarded at the General Convocation.

Vice Chancellor's List for Overall Performance of Next two students who top the list under the approved marking scheme from each faculty shall be included in the Vice Chancellor's list and announced at relevant Faculty Board. A certificate of achievement will be awarded at an awards ceremony held at the faculty.

8.3.1. Application procedure

Students can apply for the awards using an application form issued by the University. Application forms shall be available at Dean's office and can be downloaded from university website. Students shall submit certified copies of all the documentary evidence with the application. Students shall submit their applications through their Mentors/Academic Advisors who shall certify the contents of the applications. Students shall be prepared for and participate in an interview if the selection panel requests.

8.3.2. Eligibility requirements

8.3.2.1. Academic requirements

The students who have obtained an average GPA required for a 2nd Class Upper Division or above in the first attempt of the relevant examination of the courses of study in each academic year will be eligible for an award.

8.3.2.2. Other requirements

i. Any student who has been punished by the University and/or warned (in writing) by the Vice Chancellor or Deputy Vice Chancellor as found guilty for any misconduct shall not be eligible for an award.

ii. The overall score achieved by the applicant shall be 70 marks or above for the Vice Chancellor's Award/List and 65 marks or above for the Dean's Award/List.

8.3.3. Selection criteria

8.3.3.1. Academic achievements (maximum 60 marks)

For non-medical students

Case 1: If the applicant has the highest GPA above the required GPA for 1st class or the required GPA for the 1st class which is higher shall be given 60 marks and other student shall be given marks which are scaled down according to their GPA.

Case 2: If there is no applicant having highest GPA above the required GPA for 1st class or the required GPA for the 1st class, 60 marks shall be given for the required GPA for the 1st class and the other eligible students shall be given marks which are scaled down according to their GPA.

The average of the GPA obtained at each examination of relevant academic year shall be considered separately for the Dean's Award. The overall GPA obtained for all examinations shall be considered for the Vice Chancellor's Award.

8.3.3.2. Sports achievements

Maximum twenty marks shall be allocated for sports achievements as follows:

Description	Marks
World University Games/National Games	
First Place	20
Second Place	15
Third Place	10
Participation for an event (maximum up to 10 marks)	5
International Sports event representing the University	
First Place	10
Second Place	8
Third Place	6
Participation for an event	3
Inter University Events	
First Place	6
Second Place	5
Third Place	4

Participation for an event (Maximum up to 04 Marks)	2
Inter Faculty Events	
First Place	1.5
Second Place	1
Third Place	0.5
University Colors/ Best Athlete/ Player	3
Post of President, Vice President, Secretary,	1/position/year

8.3.3.3. Other achievements

Maximum twenty marks shall be allocated for extra-curricular activities other than sports.

Description		Marks
Post of President, Vice President, Secretary, Junior Treasure and Editor of Student Unions/Societies/Associations		1 position for year
Participation at the "Kavitha" Talent Show or Equivalent event Participation for an Event	First Place	1
	Second Place	8
	Third Place	6
	Final Round	4
University approved event/competition/Orator/Singing/Dancing/Poetry Writing/Script Writing etc.) (Solo or Group)		
University Level	First Place	5
	Second Place	4
	Third Place	3
Faculty Level	First Place	2
	Second Place	1.
	Third Place	0.5
Recipient of Patent		8
University approved Event Organizing		0.5
Inter University Level Competition/Awards	First Place/Best Award	6
	Second Place	5
	Third Place	4
Approved University representation at International Forum/Event		5
Paper accepted/presented at any Conference/Symposia		3
Publication of Books / Holding of Individual Exhibition (Paintings/Arts/Hand crafts/etc.)		2
Contribution to official function of the University		0.5.5.

Special Note:

If the overall score achieved by two or more candidates for the Vice Chancellor's Award is equal, a special panel consisting of the Vice Chancellor, the Deputy Vice Chancellor and the Dean of the relevant Faculty shall re-evaluate the candidates to select the best student.

CHAPTER 09

LEARNING RESOURCES

9.1 Library Facilities

The Library System of the University of Ruhuna is the most advanced academic library in the southern region of Sri Lanka. At the beginning, the library was established at the present Technical College premises in Matara, to comprise the information requirements of the Faculty of Humanities and Social Sciences in 1981. In 1986 the library premises were shifted to its present location at the Wellamadama university premises to cater to two founder faculties. At present, the Ruhuna University Library is providing services to ten faculties by expanding the library network towards five branch libraries in addition to Main Library. These branch libraries are at the Faculty of Agriculture at Mapalana, Faculty of Engineering at Hapugala, Faculty of Medicine at Karapitiya, Faculty of Allied Health Science at Mahamodara and Faculty of Technology at Karagoda Uyangoda, Kamburupitiya. Main Library which is located in the Wellamadama university premises mainly serve five faculties; Faculty of Humanities and Social Sciences, Faculty of Fisheries and Marine Science & Technology, Faculty of Science, Faculty of Management and Finance and Faculty of Graduate Studies at Wellamadama premises.

The Library, Faculty of Technology is at Karagoda Uyangoda, Kamburupitiya, it was set up in the temporary building until the new library building construction is completed. The Library, Faculty of Technology contains books and periodicals which are specially focused in Engineering Technology, Information and Communication Technology, Bio systems Technology, and General Reading. Any library user who is registered in the University library system can access any branch of the library to fulfil their information requirements. In addition to that, services are provided for outside communities too.

9.2 Staff of the Library

Library Staff of the University consists of 11 academics, two administrative staff members and 40 paraprofessionals to cater to the library and other information needs of the patrons.

Academic Staff Members

Librarian (Acting)

Mr. U.A.Lal Pannila

MSSc (Lib and Information Science) 2001, B.A(sp)
University of Peradeniya, Sri Lanka 1994

Assistant Librarian (Faculty of Technology)

Mr.J.A. Ajith

B.A. (Hons)(J'Pura)
MA(J'Pura)
MIT(UCSC, Colombo)
Reading for MSSc. (Lib. & Inf. Science) (Kelaniya)

Administrative Staff Members

Senior Assistant Registrar (Library Services, Main Library)

Mr. C.P.K. Edirisinghe

B.A. (Hons) (J'Pura)
PDBA (Ruhuna)

9.3 Library Opening Hours

Opening hours of the library vary according to the time of the academic year and faculty. Since all the students from any faculty can access any of the libraries in the system, it is important to know the opening

hours of the main library and faculty libraries apart. Opening hours of the Main Library and faculty libraries are listed below.

Opening hours of the Main Library

Description of the period	Days of opening	Hours of opening
Regularly	Monday to Friday	8.00 a.m. to 6.00 p.m.
	Saturdays	8.30 a.m. to 5.00 p.m.
	Sundays	Closed
Study Leave and Examination	Monday to Friday	8.00 a.m. to 8.00 p.m.
	Saturdays and Sundays	8.30 a.m. to 5.00 p.m.
Vacation	Monday to Friday	8.00 a.m. to 5.00 p.m.
	Saturdays	8.30. a.m. to 5.00p.m.
	Sundays	Closed
Public holidays and Poya days	-	Closed

Opening hours of the Faculty of Technology Library

Days of opening	Hours of opening
Monday to Friday	8.30 a.m. to 4.30 p.m.
Saturdays and Sundays	Closed
Public Holidays and Poya Days	Closed

9.4 Library Collections

The library system of the university is mainly consisting of two collections, the library core collection and the legal deposit collection. In the Main Library core collection, there are nearly 300,000 books, 4000 audio-visual devices, 20 titles of printed periodicals and more than 5000 online journals are available. These collections are growing daily with the requirement of the patrons. The legal deposit collection, on the other hand, contains having nearly 280,000 publications made in Sri Lanka since 1996. Additionally, the newly established “Indian corner” is available for the patrons in the main library. This specific collection was donated to the library by the Indian consul general in Hambanthota.

The core collection of the library is further divided into five more sub collections and sections depending on the type of lending, availability, value and relevancy of the materials. Those are Lending (L), Reference (R), Permanent Reference (PR), Sri Lanka Collection (SLC), Colour Plate Collection (CPC) and Periodicals Collection. Lending materials are indexed in the lending section of the library building while the reference and CPC materials are kept for reference in the reference collection.

9.4.1 Lending Section

The lending section is located on the second floor of the Library. Lending section issues books for a period of two weeks to undergraduates. If needed, a patron can extend the lending duration for another 14 days. This extension can be performed through the online user account or over the library counter during the working hours of the desired library.

9.4.2 Reference Section

This section is located on the first floor of the Library. The reference section includes reference materials, Colour Plate Collection and Permanent Reference materials. Reference materials could be borrowed between 3.00 p.m. to 5.00 p.m. in the borrowing date and must be returned before 10.00 a.m. of the following day. Permanent reference materials (such as encyclopaedias, dictionaries, glossaries and other

valuable books) are intended strictly for reference within the library. In addition, the reference library floor is arranged for patrons to use as a reading and working space. Patrons are allowed to take their laptops and other mobile devices in silent mode to the reference section. However, consuming meals and beverages is strictly prohibited anywhere in the library.

9.4.3 Periodical Section

The periodical section is located on the first floor of the Library. The periodical section consists of different kinds of printed periodicals. The collection displays periodicals from the current year and the following year. All the back volumes of printed journals, newsletters, and other printed periodicals are stored separately, and users can request them for reference during the opening hours of the section. The University of Ruhuna Library has subscribed to numbers of online databases with the auspicious of UGC through the Consortium of Academic Libraries of Sri Lanka (CONSAL). Patrons can access to these online databases through the library website (www.lib.ruh.ac.lk). These online databases are IP based and should be accessed through the university network. Apart from the periodicals, a comprehensive collection of past examination papers from the Faculty of Humanities and Social Science, Faculty of Fisheries and Marine Sciences and Technologies, and Faculty of Science are kept in the periodical section. The periodical section of the main library is open from 08:30 a.m. to 04:00 p.m. on weekdays.

Printed periodicals currently subscribed by University of Ruhuna Library	Databases subscribed through Consortium of Academic Libraries of Sri Lanka (CONSAL)
<ol style="list-style-type: none"> 1. Scientific American 2. National Geographic Magazine 3. Time magazine 4. Lanka Monthly Digest 5. Journal of the National Science Foundation of Sri Lanka 6. ලේඛනවිචාරය 7. විජය පරිගනක සඟරාව 	<ol style="list-style-type: none"> 1. Emerald 2. Taylor & Francis 3. SAGE Research Methods Online 4. Oxford University Press 5. Science Direct 6. Wiley online Journal 7. HINARI (access password should be taken from the faculty librarian) 8. AGORA 9. OARE

9.4.4 The Sri Lanka Collection (Ceylon room)

This collection is arranged in a separate room on the second floor of the main library building. This collection is specific to publications made by authors from ancient “RohanaDeshaya” and Sri Lanka specific library materials. The collection carries invaluable information related to Sri Lanka. The collection consists of;

1. Government publications (Annual reports, statistical reports)
2. Rohana collection
3. Copies of Master's and Doctoral theses of Academic staff and students of the University of Ruhuna
4. Professor Justin Labrooy collection
5. Professor Alawaththagoda Premadasa collection
6. Newspaper collection

Sri Lanka collection is a Permanent Reference Collection that patrons are not permitted to lend any items; however, readers are welcome to access the collection from 9.00 a.m. to 4.00 p.m. on weekdays.

9.4.5 Colour Plate Collection

The colour plate collection is located on the first floor of the library. This collection consists of books with valuable colour images. Colour plate collection is kept in a glass cupboard in the reference section of the library for careful preservation. Students need to make a request to use this collection.

9.4.6 Legal Deposit Collection

Legal Deposit Collection (LDC) is located in the newly established extension to the main library. LDC is one of the main collections in the University of Ruhuna Library with also recording uniqueness with respect to the other university libraries in the country. Maintaining a legal deposit collection is a national requirement of a country. Thus, according to the publication law of Sri Lanka, every publication made in Sri Lanka has to hand over five copies of that publication to the government. These five copies are stored in five separate places in the country including the University of Ruhuna. This valuable collection consists of all the publications published within Sri Lanka since 1990. Currently, the LDC marked a total of about 280,000 items including books, newspapers, journals, magazines, handbooks, annual reports, pamphlets, government publications such as gazettes, Hansards, acts, school textbooks, proceedings, posters etc. that are written in various languages. These items are stored under preservative conditions and are only available for reference within the premises. This collection is opened from 9.00 a.m. to 4.00 p.m. on weekdays.

9.5 Library Resource Classification

The library materials in the University of Ruhuna Library being organized according to the Dewey Decimal Classification (DDC) system. DDC helps to arrange library materials by discipline. The main classes of DDC as follows;

DDC number	Discipline
000	Computer science and general works
100	Philosophy and psychology
200	Religion
300	Social Sciences
400	Language
500	Natural sciences and mathematics
600	Technology (Applied science)
700	Arts; Fine arts and decorative arts
800	Literature and rhetoric
900	Geography and history

Department: Related classes for Departments	DDC Number
Department of Engineering Technology	604, 620 629, 660 662
Department of Information and Communication Technology	003, 004, 005, 006
Department of Biosystems Technology	500 600
Department of Multidisciplinary Studies	330 339, 350 354, 650 659

9.6 Library Catalogue

An Online Public Access Catalogue (OPAC) is a computerized online database of all the resources held in the library. Users can use OPAC to search library materials available in the library. It can be accessed from URL: <http://opac.lib.ruh.ac.lk> OPAC provides facilities to search library materials using keywords, title, author, subject, ISBN, series and call number.

9.7 Library Services

Other than the lending and reference service explained above, the following services are offered to the patrons.

9.7.1 Ask a Librarian Service

Patrons may find the “Ask a Librarian” forum through the library website or library OPAC to get answers to specific questions. Apart from that, patrons can explore answers for general questions through the FAQ pages that are available on the library website.

9.7.2 Skill Development Programs

Library of the University of Ruhuna is currently conducting Information Literacy course modules for Faculty of Fisheries and Marine Science & Technology, Faculty of Agricultural, Faculty of Engineering and Faculty of Medicine. The main purpose of these modules is to develop students’ information literacy and library research skills. Academic staff of the library, facilitates the students with comprehensive thought courses and hands-on sessions throughout the course module.

In addition to this course unit, library conducts continuous student orientation, training and support for newly affiliated students through workshops and seminars.

9.7.3 Inter-Library Loans (ILL)

ILL service allows you to obtain a copy of the required scholarly materials that are only available elsewhere other than the university library system. Patrons can make their request online through the library website, library OPAC or make their request to the Senior Assistant Librarian/ reader services in person.

9.7.4 Library Auditorium and University Museum

Library Auditorium can facilitate for 80 individuals. This facility can be used to conduct small scale meetings, seminars and other events. Interested persons should obtain prior permission from the Librarian to use the library auditorium.

The university museum is also located next to the Library Auditorium. It displays the astonishing historical outline of the significant events taken place in the university since the beginning.

9.7.5 Library Self Learning Area

Library Self Learning Area is located on the top floor of the newly established library building and this facility is open from 8.00 a.m. to 8.00 p.m. throughout the year with free Wi-Fi facilities.

9.7.6 Photocopying Service

The Library provides a photocopying service for those who require copies of reference materials available in the Library. There are two photocopy services located next to the library counter on the ground floor and near the reading area at the new library building.

9.7.7 Student Counselling

An academic staff member from the library staff is appointed as a student counsellor. Student counselling is promoting the personal development and psychological well-being of students. Students have the opportunity to discuss their various psychological, social and financial issues or any other difficulties they face during their university education and library use. All the mentoring and counselling services maintain strict confidentiality.

9.7.8 Outreach Programs

Library of the University of Ruhuna is conducting workshops, training programs and awareness programs to enhance the information literacy skills of teacher librarians, library science students and different target populations in Southern province.

9.7.9 Institutional Repository

An Institutional Repository (IR) is an online system that collects, stores, index, and disseminate scholarly information over the Internet. IR of the University of Ruhuna (IRUoR) only provides materials that the University of Ruhuna can claim the copyright. Library users can access to this service through the URL: <http://ir.lib.ruh.ac.lk>.

9.8 Library Membership

Full membership of the library is available to all registered undergraduate and postgraduate students of the University of Ruhuna and visiting scholars from national and international academia. All students are required to register at the library by using the application form provided during their library orientation programs. All students are required to register in the Library by applying on the prescribed form obtainable from the Library. They are required to produce their duly endorsed Student Record Book, at the time of the registration. At the beginning of each academic year, undergraduate and postgraduate students spending more than one academic year are required to register in the Library. User registration is handled by the registration room near the entrance of the Main Library.

In the Faculty of Agriculture, full membership of the Library is available to all registered students, both undergraduate and postgraduate, and to the members of the staff of the University of Ruhuna. Postgraduate students should pay a non-refundable deposit of Rs.2000/ for registration and Rs.1000 per each academic year as the library fee. The Librarian at her discretion may permit other students and scholars to use the Library during vacations for postgraduate research or genuine scholarly needs.

9.8.1 Borrowing Library Resources

Patrons are allowed to borrow all the library materials other than permanent reference materials, dictionaries, atlases, books under special collections. The university record book or student identity card must be produced when borrowing books. Books may be borrowed before 5.00 p.m.

Number of books can be borrowed by students from each library

Study Level	Main			TEC		
	L	R	EM	L	R	EM
Level I	03	01	01	01	01	01
Level II	04	02	01	01	01	01
Level III	05	02	01	01	01	01
Level IV	06	02	01	01	01	01
Level V						
Postgraduate	03	01	-	-	-	-

Note - Level I students are only allowed to borrow one 'Student centered learning' material.
L-Lending, R-Reference, SR-Scheduled Reference, EM-Electronic Medium, F-Fiction

9.8.2 Returning Library Resources

Borrowed lending items must be returned between 08:30 a.m. -5:00 p.m. on the due date. Borrowers should be responsible for the library materials that they have borrowed. If any borrowed item is lost or damaged accidentally, the borrower should inform the library immediately through any of the contact information mentioned at the end of this document.

9.8.3 Books Lending Period

The Lending Books are issued for 2 weeks period and Reference books are issued overnight only. Reference Books (R) will be issued during the evening session (after 2.00 pm) on weekdays and books should be returned before 10.00 am of the very next library opening day.

9.8.4 Fines and Payments

A fine of Rs.5.00 per day will be imposed in respect of each lending book borrowed from Faculty of Technology library, if not returned by the due date. A fine of Rs.24.00 per day will be imposed in respect of each book borrowed from Faculty of Technology library, if not returned by the due date. All payments should be made to the Shroff of the Faculty. Notes:

1. These fine rates will be revised with expanding library collection in Faculty of Technology Library.
2. All payments should be made to the Shroff of the University/Faculty.

Students can keep a maximum fine limit of LKR. 100.00 and can borrow library materials regularly. When the total fine amount exceeds the upper level (LKR. 100.00) the user account is automatically suspended, and students are unable to borrow items anymore.

If a borrower lost the lent item, he/she has to replace it with a new copy of the same edition or subsequent edition/ latest edition of the same book as soon as possible. If the book is not available in the market, the borrower will be charged for the replacement cost of the book and a processing fee of 25% from the value of the book.

CHAPTER 10

SPORTS AND RECREATION

10.0 Introduction

Activities pertaining to sports and recreation are conducted by the Department of Physical Education. The Department is advised by a sports advisory board, which consists of officials of the department and two academics from each of the faculties. Whenever necessary, external assistance is sought for coaching on part time basis

10.1 Our Vision

To socialize a law-abiding and socially productive graduate with the ability of effective leadership qualities and fair decision making, who is physically and mentally well balanced.

There are numerous student sports activities organized by the Department of Physical Education including both indoor and outdoor sports. A gymnasium with training facilities is located in the Wellamadama University Complex for indoor sports and it is open for the students after 10.00 a.m. on weekdays up to 7.00 p.m. The department is well equipped with a Strength Training Hall to develop the Physical Fitness for specially Sportsmen/women and other students.

10.2 Staff of Department of Physical Education

Table 9.1 Staff members information

Name	Designation	Sports
P.N.Weerasinghe	Director Physical Education	
K.H.Keerthi Kumara	Director Physical Education	Athletic, Elle, Football
P.K.Sanath Chandana	Instructor in Physical Education	Athletic, Swimming, Rowing, Rugged
D.M.Dilupa Priyadarshani	Instructor in Physical Education	Athletic, Road Race, Chess, Cricket (Softball & Hardball)
A.B.Renuka (FOT representative)	Instructor in Physical Education	Netball, Basketball
S.L.Vidanaduruge	Instructor in Physical Education	Athletic, Badminton
G.W.Jayantha	Instructor in Physical Education	Table Tennis, Tennis, Carrom
B.R.N.Saranga	Instructor in Physical Education	Volleyball, Wrestling, Weightlifting
K.G.S.Divanjana	Instructor in Physical Education	Taekwondo, Scrabble
W.P.N.T.Lakmal	Instructor in Physical Education	Karate, Baseball, Kabaddi
R.M.C.Shamali	Instructor in Physical Education	Hockey, Korfball

10.3 Facilities for Sports

At present, Department of Physical Education provides the facilities for following indoor sports:

- Basketball (Men and Women)
- Badminton (Men and Women)
- Table Tennis (Men and Women)
- Weightlifting (Men and Women)
- Volleyball (Men and Women)
- Chess (Men & Women)
- Taekwondo (Men & Women)
- Carrom (Men & Women)
- Netball (Women)
- Wrestling (Men)
- Karate (Men, Women)

Outdoor sports facilities are provided to students at Wellamadama University grounds. Athletics (Men and Women)

- Hockey (Men and Women)
- Elle (Men and Women)
- Cricket (Men)
- Football (Men)
- Rugger (Men)
- Swimming (Men and Women)
- Baseball (Men)
- Swimming (Men, Women)
- Korf ball (Men and Women)
- Rowing (Men)

There are annual sports events such as Inter-Faculty and Inter-University tournaments. In addition, Sri Lanka University Games (SLUG) is held at a selected University once in three years. Students are able to participate in the World University Games and Asian University Championships, which is held once in two years. At the end of each two years, Colours Awards Ceremony is held and those who excel in these sports activities at Inter University tournaments and meets are awarded colours.

The University provides several facilities for those who participate in sports events. Sports goods are freely available for students who participate in Inter University tournaments/meets and also for practice sessions. A subsistence of Rs. 300.00 is paid per day when a student participates in an event held outside the University. For team events, the required clothing is provided to students at a cost of only 20% of the value. For practice sessions of Inter University Championships, the University provides an allowance of Rs.30.00 per day per student to have a nourishment.

We have already started two academic courses for Level II students named “Physical Fitness & Health Management” and “Health Related Physical Fitness and Wellness”. Fifteen (15) hours of theory classes and thirty (30) hours of practical classes are included for the first course and sixty (60) hours of practical classes for the second course.

CHAPTER 11

STUDENT SERVICE FACILITIES

11.0 Student Affairs Branch

There is a Student Affairs Branch with a Senior Assistant Registrar at the University to look after the needs of the students outside their courses. It is located on the second floor of the administration building. Many services such as registration of students, Mahapola scholarships, bursaries, student hostels and cafeterias are operated by the Student Affairs branch.

In addition, this branch coordinates two other important services, Student Counselling Service and Health Service.

11.1 Counselling Service Centre

The counselling centre is located in the Technology Faculty Complex. Counselling service centre's mission is to provide services and programmes, which promote the personal development and psychological well being of students, and to encourage a university atmosphere which is conducive to growth and which maximizes students' educational attainments. Students have the opportunity to discuss their various mental, social, economic problems or any other matters which they face during their University education. Counsellors, who are Senior academics, offer their assistance, advice and guidance to those students in need. Each faculty has its own group of Student Counsellors. In addition, students also have the opportunity to discuss their problems with other academics.

<p>Senior Student Counsellor of the University Dr. Amila Buddika Sirisena Email: amila@badm.ruh.ac.lk Fixed Phone: +94 41 2222681/2 (Ext:3921)</p>	<p>Student counsellors Dr. (Mrs.) KMW Rajawatta Dr. V.H.P.Vitharana Mr.Nuwan Laksiri Ms. Hasini Ganege Ms. J.K.D.B.G. Jayaneththi, Ms. W.M.C.S. Jayaweera Ms. Ayomi Pabasara Ms. Ms. Rathnaikage Shakya Ms. Hiranya Amrasinghe Mr. Naveen Walimuni Mr. Harshana Senivirathna</p>
<p>Deputy Senior Student Counsellor of the Faculty Dr. Niranjan Kannangara Email – niranjankd@fot.ruh.ac.lk Phone:0772209242</p>	

11.2 University Medical Facilities

The medical center and the Dental Clinic are located in a building close to the Department of Physics. There is an also ayurvedic medical center located near bachelor's Quarters. These centers provide health care to staff and students.

Medical Officers:

Chief Medical Officer	: Dr.(Mrs) K Rathnayake
University Medical Officers	: Dr. A Weerasinghe / Dr. L.G.S Yapa
Dental Surgeon	: Dr.(Mrs.) S. Atapattu
Senior Psychological Counsellor	: Mr Pemapala Pathirana

Every student of the university at the first enrollment must face a medical test. The aim of this test is to determine whether the student has suitable health condition to continue the academic career without difficulties. If a student is found to be suffering from a severe disease, he/she is directed to special clinics in the hospital for treatments. During the academic year, the medical centre is open for treatment for students as well as staff from 8.00 am to 5.00 pm on weekdays. All drugs are free of charge. If a prescribed drug is not available in the clinic, the University will reimburse the expenses.

Web site: <https://adm.ruh.ac.lk/medicalcenter/>

11.2.1 Medical Certificates

If a student is unable to attend lectures and/or practical classes due to an illness he/she should inform the university medical officer within a week. If a student wishes he/she can get medical assistance from a government or a private doctor. However, the University medical officer should approve the medical certificates issued by them.

11.2.2 Illness during Examination Period

If a student is unable to sit for the exam due to a medical reason, he/she should inform it officially to the Dean or Assistant Registrar of the Faculty immediately by sending a telegram or letter. He/ She should provide the medical certificates within one week, after completing the medical leave. All the medical certificates should be obtained from the University medical officer, Government Hospitals or Consultant doctors. For more information refer the Internal Circular Number 2015/01.

Whenever necessary students should follow the above procedure in producing medical certificate for smooth functioning of their education during stipulated period of study.

11.3 Financial Assistance

There are several financial assistance programmes to help students finance their education when their own family resources are inadequate. At present, students are offered the following financial assistance for their University education:

- Mahapola Higher Education Scholarships
- Student Bursaries
- Endowed Scholarships operated by UGC or University
- Other scholarships

11.3.1 Mahapola Higher Education Scholarships

The University Grants Commission sends application forms to all University entrees to apply for this scholarship. The student should send the completed forms to the University Grants Commission. The student's parent's income, the number of siblings studying under 18 years of age, the distance from his/her home to the university and the student's rank at district level are considered when granting the scholarship. A merit scholarship is also granted according to student's merits. Amount of money paid for these two scholarships is given in the table below:

Merit scholarship	Rs.5050.00	Per installment
General scholarship	Rs.5000.00	Per installment

Recipients are entitled to maximum 10 installments per academic year for both Mahapola and Bursary scheme.

11.3.2 Bursaries

The students who are not granted Mahapola scholarships are able to apply for bursaries offered by the University. The University calls applications for student loans from University entrees. Family income, the number of siblings studying under 18 years of age and the distance from his/her home to the University are considered when granting the bursaries.

Full student bursary	Rs.4000/=	Per installment
Half student bursary	Rs.3900/=	Per installment

11.4 Hostel Facilities

At present, the University supplies hostel facilities only for a limited number of students. However, further expansion of this facility is envisaged. At present, the Faculty of Technology is equipped with two new hostel buildings: one male hostel and one female hostel. Each hostel can accommodate 400 students and altogether hostel facilities can be provided for 800 students. First year and final year students are given the priority according to the selection criteria. These hostels are looked after by a team consisting of Warden (academic), Sub Warden (Non-academic) and Sub Wardens (Non-academic). A monthly rent of Rs. 50/= is charged from first year and final year students for hostels.

** Please refer ANNEX 4 Code of conduct to be followed by male/female undergraduates for hostels

11.5. Mentoring services

Every student is allocated to a personal tutor/mentor who is an Academic staff member of the relevant department. Students personally can make appointments and meet them when they need the support.

11.6 Grievance Committee

Students can submit their grievances directly to Chairman of the Committee or through respective member of each faculty to the Chairman. Confidentiality of your grievance is strictly maintained.

Chairman

Prof.E.P.S.Chandana, Deputy Vice Chancellor, University of Ruhuna

Email: dvcepsc@admin.ruh.ac.lk : epschandana@gmail.com

Tel :- +94 4122 27029, Tel :- +94 77 5909665

Faculty Coordinator

Faculty Coordinator - Dr. K M W Rajawatta

Email - wathsala@fot.ruh.ac.lk

11.7 Technology Transfer Cell

The Technology Transfer Office (TTO), Faculty of Technology, University of Ruhuna was established to facilitate the commercialization of the University's scientific and technical research findings for the benefit of the citizens of the world and the general public through the efficient evaluation, management, and licensing of the University's intellectual property including patents, copyrights and trademarks.

TTO manages inventions from all the disciplines and promotes potential patenting or licenses of Ruhuna University technologies to industry partners from Sri Lanka and International industry partners.

Guidelines and the Procedures can be found through the following website.

Website: <http://dceu.ruh.ac.lk/tto/index.php>

Chairperson of TTC, Faculty of Technology:

Dr. A. M. Ajward

Email: ajward@fot.ruh.ac.lk

11.8 FOT INVO Program

The Faculty of Technology Innovation (FOT INVO) programme is a competition conducted annually to promote innovative ideas and skills of students

The Faculty of Technology has successfully conducted the first FOT INVO programme on 21st Oct, 04th Nov and 10th Dec 2022. During the COVID 19 period the students of the Faculty have been committed to developing their own inventions by utilizing the COVID period in a fruitful way at home and considering the fact according to a thought of the Dean, Dr. K.G.S.Harshadewa Gunawardana.

Coordinator of FOT INVO, Faculty of Technology: Dr. A M Ajward

Email: ajward@fot.ruh.ac.lk

11.9 The Cultural Centre

This center functions in collaboration with the Ministry of Cultural Affairs. It consists of an Aesthetic Unit and a Research Unit.

Aesthetic Unit helps to promote aesthetic sensitivity, creative skills among the university population. The unit conducts classes on oriental music, western music, violin, dancing, cinematic study, literacy efficiency, drawing and sculpting from 4.00 p.m. to 6.00 p.m. on weekdays and from 9.00 a.m. to 4.00 p.m. at weekends. Research Unit researches and conserves the regional cultural features and heritage of national importance. It is further expected to undertake activities to conserve the regional folk arts and folklore, to collect and conserve the cultural features endemic to this region, to publish classical articles and make documentary films on the traditional performing arts of the South and the artistes of the South. Mr. Deva Michael De Silva, Senior Lecturer in History, Department of History & Archaeology, officiates as the coordinator of the center and Ms.Thanuja Ukwattage who has been appointed by the Cultural Ministry functions as Cultural Officer.

11.10 Resource Centre for Modern Languages

Resource Centre for Modern Languages was established in April 2002 with the aim to provide students with opportunities to study various languages other than "Sinhala" and "English". The activities of this centre are (coordinated & looked after by) a committee of academics, which includes a Director (MS. Ranjani Malavipathirana) and one representative from each Faculty of the University.

Presently, the Language centre conducts classes and the languages of French, German, Japanese, Tamil and Swedish for students with the help of resource persons available in the University academic community.

11.11 Solution center

The solution centre is a computer equipment repair and maintenance centre, which provides hardware maintenance, repair services, equipment replacement and support services for computer equipment and peripherals owned and supported by the University of Ruhuna.

11.12 Robotic club

The students who are interested in innovative creations can join the **Robotics Club**, which is an extra-curricular club where students can learn and apply concepts of science, technology, engineering in a creative and an innovative manner

11.13 Transport Facilities

The Faculty of Technology, University of Ruhuna which is located 11km away from the Godagama-Palatuwa highway Exit, can be easily accessed through land transport.

CHAPTER 12

Career Guidance Unit

Career for undergraduates in Universities was recently recognized as a matter of policy by the Government of Sri Lanka. At the University of Ruhuna, the Career Guidance Unit was set up in March 2000 to provide Career Guidance Services to the undergraduates. Since then, the unit has implemented various programmes to make the undergraduates aware of the employment opportunities available, the professional qualities expected for responding to the job market need. The unit wishes to build up continuous links with the private sector as well as the government institutions to facilitate productive interaction between the undergraduates and such institutions.

Career Guidance Unit information

Mrs. W. M. Champika S. Jayaweera – Academic Career Advisor of the Faculty of Technology
Email- champikajayaweera@yahoo.com / champika@fot.ruh.ac.lk / champika@btec.ruh.ac.lk
Contact no: 0711371046

Mrs. Pubudu Mallawaarachchi – Career Counselor for the Faculty of Technology
Email – bpkcgu@gmail.com

Director

Dr. T.S.L.W., Gunawardana, / Senior Lecturer
Tel: Office: 041 22222681 Ext: 2132
Mobile: +94 71 8577 625
E-mail gunawardana@badm.ruh.ac.lk

Career Guidance Counselor

Mrs. Pubudu Mallawarachchi
BSC (Hon) (Ruhuna), Dip in Counseling (Ruh)
Industrial Training (Korea)
Mobile: 071 8359365
E-mail: bpkcgu@gmail.com
(Assigned to Fac. of Technology)

Mrs. Sujeewa Dilrukshi Vidanagamage
BA (Hon), MA (Sociology), PGD (Counseling)
Dip.in Coun. (IPC), MPC
Mobile: 071 4475666
E mail: Email: sujeewapt@gmail.com

Ms. R.M.A.S. Rathnayaka
BA (Image Art), Dip in Career Guidance, Dip in Photography
Mobile: 071 047 3119, Email : anushashamali@gmail.com

Faculty Career Advisors

Mrs. W. M. C. S. Jayaweera
Lecturer (Probationary)
Faculty of Technology

Dr. L.B.L. Prabodha
Senior Lecturer
Faculty of Medicine

Dr. J.A.P. Bodhika
Senior Lecturer
Faculty of Science

Mr. Deshappriya Silva
Senior Lecturer
Faculty of Management & Finance

Mrs. J.K. De Silva
Senior Lecturer
Faculty of Humanities & Social Sci.

Dr. N.W. Prins
Senior Lecturer
Faculty of Engineering

Mrs. R.G.A. Iroshanie
Faculty of Fisheries and Marine
Sciences & Technology

Dr.Sewwandi Subasinghe
Faculty of Allied Health Sciences

Dr.M.A.P.D.P. Wickramaratne
Senior Lecturer
Faculty of Agriculture

Special programmes conducted by the Career Guidance Unit for the students are catering to the students with many interesting and worthwhile programmes to groom students as well demanded citizens by the corporate sector. There are different programs offered from time to time as:

- Certificate Course in Soft Skills development
- Outbound and leadership training sessions
- Table etiquettes and etiquette training sessions
- Art/drama therapies and photography for personal development
- Personal branding and business etiquettes sessions
- Career Fair in supporting students' internships and employment opportunities
- Industry forums
- Workshops for professional CV writing and mock interview rounds
- Career related personalized counseling
- Various Corporate Social Responsibility (CSR) projects

Despite of the above, there are many more attractive opportunities for the students who wish to work with the University Career Guidance Unit. The students are warmly welcome to the unit or contact faculty coordinator to get frequent updates about the on-going programs

Please see the faculty web site for information on the Career Guidance Activities of the faculty.

Chapter 13

University Administration

17.1 Administrative Officers of the University	
Registrar Mrs. P. S. Kalugama, B.A. (Econ) (Sp.) Hons. (SJP), M.A. (Edu) London, UK, MBA (RUH)	Bursar Mr. K.A.R.S.Jayakody B.Sc. (SJP), ICASL (Inter Mediate)
Administrative/ Finance Officers of Wellamadama Complex	
1. Legal & Documentation Deputy Registrar (Legal & Documentation) Mr. G.L.Erathna, LL.B. (Sri Lanka) Attorney-At-Law, P.G. Dip. in Conflict Resolution(CMB)	2. General Administration Senior Assistant Registrar Mrs. TDG Pathirana
3. Examinations Deputy Registrar Mrs. C. Seneviratne, B.Sc. (General) Hons. (RUH), PDBA (RUH), Dip. in English (CMB)	4. Non Academic Establishments Senior Assistant Registrar Mrs. H. G. N. Devika, B.A. (KLN)
5. Academic Establishment Senior Assistant Registrar Mrs. PMSP Yapa	6. Distance and Continuing Education unit Mrs. G. N. P. Mallika - Assistant Registrar Mrs. E.A.S.M Perera, Assistant Bursar
7. Salaries & Payments Senior Assistant Bursar Ms. K.V.R.Vidyaratne B.B.A. (Sp.) Hons (RUH), CBA (ICASL), MAAT, Dip. in English for Employment (RUH)	8. Accounts Assistant Bursar Mr. D.L.R.De Zoysa
9. Supplies Assistant Bursar Mr. R.C. Ketipearachci	10. Internal Audit Mr. O. V. L. P. Anura, BBA (Sp.) Hons. (RUH) Senior Assistant Internal Auditor Mr. S.W. Kodithuwakku, B.Com. (Sp.) (RUH), PG Dip. in ICASL Senior Assistant Internal Auditor
12. International Affairs Unit & Internal Quality Assurance Unit Mrs. M. I. Dilhani, B.Sc. Agric. Assistant Registrar	13. Student Affairs Ms. P. N. N. Wickramasinghe, B.B. Management(HR) Special Assistant Registrar
14. Security Section Mr. H.N. Dias Chief Security Officer	15. Physical Education Mr. P.N.Weerasinghe, B.Com (Sp.) (SJP), Dip. in Sports (School of Sports) Director of Physical Education

ANNEX 1

General Rules and Regulations for University students

General rules applicable to undergraduates are given below. A more comprehensive list of rules issued by the University of Ruhuna is given separately.

1. Any change of your permanent address must be immediately brought to the notice of the Dean/Assistant registrar.
2. Students should inform the Dean/ Assistant registrar of any change in their registered address, as early as possible.
3. No student is permitted to be absent from work for more than one week without informing the Dean/Head of the department.
4. In case of illness
 - a. *Illness during the academic term/at examinations*

If a student has fallen ill during the academic term or just before or during any part of an examination, he/she should inform the Head of the Department or the Dean in writing by registered post as early as possible, AND submit within ONE WEEK of falling ill, a valid medical certificate issued by one of the persons listed under (b) below.
 - b. *Persons/institutions entitled to issue valid medical certificates for the above purposes*
 - (i) University Medical Officer of the Faculty of Medicine.
 - (ii) A consultant in any government hospital.
 - (iii) A District Medical Officer (DMO) in a government hospital.
 - (iv) A medical certificate issued by a Teaching/General/Base hospitalMedical certificates from medical officers or institutions other than those listed will NOT BE ACCEPTED.
 - c. A medical certificate is not valid unless it has been submitted within ONE WEEK following the completion of leave.
 - d. Medical certificates should be submitted to the Senior Assistant/Assistant Registrar of the faculty.
5. Students are expected at all times to dress neatly. They should behave well within and outside the university. Talking in loud tones within the university premises, hospital and other training centres should always be avoided. Smoking and consuming alcohol are prohibited within the university premises, hospitals or other training centres and the student hostels. Students should not enter any of the institutions/premises mentioned above following consumption of alcohol.
6. No student(s) or student body shall collect monies or goods for any purpose without written permission from the Dean and the Vice Chancellor. Accounts of all such monies collected should be submitted to the Dean within two weeks.
7. Batches of students or student bodies who plan to go on trips must obtain permission to do so from the Deputy Senior Student Counsellor and Dean.
8. Students or student bodies who intend to hold meetings or socials in the faculty premises should obtain permission from the Deputy Senior Student Counsellor and the Dean. If students plan to do such activities outside the faculty premises as the students of the University of Ruhuna, they should seek permission from the Dean.
9. Students will not be permitted to use mobile phones or other electronic communication devices during academic work

ANNEX 2

Prohibition of Ragging and other forms of Violence in Educational Institutions

AN ACT TO ELIMINATE RAGGING AND OTHER FORMS OF VIOLENCE, AND CRUEL, INHUMAN AND DEGRADING TREATMENT, FROM EDUCATIONAL INSTITUTIONS

BE it enacted by the Parliament of the Democratic, Socialist Republic of Sri Lanka as follows :” [29th April, 1998]

1. This Act may be cited as the Prohibition of Ragging and Other Forms of Violence in Educational Institutions Act, No. 20 of 1998.

Ragging

2. (1) Any person who commits, or participates in; ragging, within or outside an educational institution, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable, to rigorous imprisonment for a term not exceeding two years and may also be ordered to pay compensation of an amount determined by court, to the person in respect of whom the offence was committed for the injuries caused to such person.
(2) A person who, whilst committing ragging causes sexual harassment or grievous hurt to any student or a member of the staff, of an educational institution shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding ten years and may -also be ordered to pay compensation of an amount determined by court, to the person in respect of whom the offence was committed for the injuries caused to such person.

Criminal intimidation

3. Any person who, within or outside an educational institution, threatens, verbally or in writing, to cause injury to the person, reputation or property of any student or a member of the staff, of an educational institution (in this section referred to as “the victim”) or to the person, reputation or property of some other person in whom the victim is interested, with the intention of causing fear in the victim or of compelling the victim to do any act which the victim is not legally required to do, or to omit to do any act which the victim is entitled to do, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to rigorous imprisonment for a term not exceeding five years.

Hostage taking

4. Any person who does any act by which the personal liberty and the freedom of movement of any student or a member of the staff of an educational institution or other person within such educational institution or any premises under the management and control of such educational institution, is restrained without lawful justification and for the purpose of forcing such student, member of the staff or person to take a particular course of action, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate, be liable to rigorous imprisonment for a term not exceeding seven years.

Wrongful restraint

2. Any person who unlawfully obstructs any student or a member of the staff of an educational institution, in such a manner as to prevent such student or member of the staff from proceeding in any direction in which such student or member of the staff, has a right to proceed, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to rigorous imprisonment for a term not exceeding seven years.

Unlawful confinement

3. Any person who unlawfully restrains any student or a member of the staff of an educational institution in such a manner as to prevent such student or member of the staff from proceeding beyond certain circumscribing limits, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding seven years.

Forcible occupation and damage to property of an educational institution

4. (1) Any person who, without lawful excuse, occupies, by force, any premises of, or under the management or control of, an educational institution shall be guilty of an offence under this Act, and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding ten years or to a fine not exceeding ten thousand rupees or to both such imprisonment and fine.
(2) Any person who causes mischief in respect of any property of, or under the management or control of, an educational institution shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding twenty years and a fine of five thousand rupees or three times the amount of the loss or damage caused to such property, whichever amount is higher.

Orders of expulsion or dismissal

5. Where a person is convicted of an offence under this Act, the court may, having regard to the gravity of the offence"
(a) in any case where the person convicted is a student of an educational institution, order that such person be expelled from such institution ;
(b) in any case where the person convicted is a member of the staff of an educational institution, order that such person be dismissed from such educational institution.

6. Bail

- (1) A person suspected or accused of committing an offence under subsection (2) of section 2 or section 4 of this Act shall not be released on bail except by the judge of a High Court established by Article 154P of the Constitution. In exercising his discretion to grant bail such Judge shall have regard to the provisions of section 14 of the Bail Act, No. 30 of 1997.
- (2) Where a person is convicted of an offence under subsection (2) of section 2 or section 4 of this Act, and an appeal is preferred against such conviction, the Court convicting such person may, taking into consideration the gravity of the offence and the antecedents of the person convicted, either release or refuse to release, such person on bail.

Certain Provisions of the Code of Criminal Procedure Act not to apply to persons convicted or found guilty of an offence under this Act

7. Notwithstanding anything in the Code of Criminal Procedure Act, No, 15 of 1979"
 - (a) the provisions of section 303 of that Act shall not apply in the case of any person who is convicted,
 - (b) the provisions of section 306 of that Act shall not apply in the case of any person who pleads or is found guilty, by or before any court of any offence under subsection (2) of section 2 or section 4 of this Act.

Offences under this Act deemed to be cognizable offences

8. All offences under this Act shall be deemed to be cognizable Offences for the purposes of the application of the provisions of the Code of Criminal Procedure Act, No. 15 of 1979, notwithstanding anything contained in the First Schedule to that Act.

Certificate

9. Where in any prosecution for an offence under this Act, a question arises whether any person is a student or a member of the staff of an educational institution or whether any premises or property is the property of, or is under the management and control of, an educational institution a certificate purporting to be under the hand of the head or other officer of such educational institution to the effect that the person named therein is a student or a member of the staff of such educational institution, or that the premises or property specified therein is the property of, or is under the management and control of, such educational institution, shall be admissible in evidence without proof of signature and shall be prima facie evidence of the facts stated therein.

Admissibility of statement in evidence

10.
 - (1) If in the course, of a trial for an offence under this Act, any witness shall on any material point contradict either expressly or by necessary implication a statement previously given by him in the course of any investigation into such offence, it shall be lawful for the Magistrate if, after due inquiry into the circumstances in which the statement was made, he considers it safe and just "
 - (a) to act upon the statement given by the witness in the course of the investigation, if such statement is corroborated in material particulars by evidence from an independent source; and
 - (b) to have such witness at the conclusion of such trial, tried before such court upon a charge for intentionally giving false evidence in a stage of a judicial proceeding,
 - (2) At any trial under paragraph (b) of subsection (1) it shall be sufficient to prove that the accused made the contradictory statements alleged in the charge and it shall not be necessary to prove which of such statements is false.

Provisions of this Act to be in addition to and not in derogation of the provisions of the 14. Penal Code & c

11. The provisions of this Act shall be in addition to and not in derogation of, the provisions of the Penal Code, the Convention Against Torture and Other Cruel, Inhuman or Degrading Treatment or Punishment Act, No. 22 of 1994 or any other law.

Priority for trials and appeals under this Act

12. Every Court shall give priority to the trial of any person charged with any offence under this Act and to the bearing of any appeal from the conviction of any person for appeals under any such offence and any sentence imposed on such conviction.

Sinhala text to Prevail in case of inconsistency

“criminal force”, “fear”, “force”, “grievous hurt”, “hurt” and “mischief shall have the respective meanings assigned to them in the Penal Code;

“educational institution” means –

(a) a Higher Educational Institution;(b) any other Institution recognized under Chapter IV of the Universities Act, No, 16 of 1978;

(c) the Buddhist and Pali University established by the Buddhist and Pali University of Sri Lanka Act, No. 74 of 1981;

(d) the Buddha Sravaka Bhikku University, established by the Buddha Sravaka Bhikku University Act, No. 26 of 1996;

(e) any Institute registered under section 14 of the Tertiary and Vocational Education Act, No. 20 of 1990;

(f) any Advanced Technical Institute established under the Sri Lanka Institute- of Technical Education Act, No. 29 of 1995;

(g) a Pirivena registered under the Pirivena Education Act, No. 64 of 1979 and receiving grants from State funds and includes a Pirivena Training Institute established under that Act; (h) the Sri Lanka Law College;

(i) the National Institute of Education established; by the National Institute of Education Act, No.

(j)a College of Education established by the: Colleges of Education Act, No. 30 of 1986, or a Training College;

(k) a Government school or an assisted school or an unaided school, within the meaning of the Education Ordinance (Chapter 185);

and includes any other institution established for the purpose of providing education, instruction or training;

“head of an educational institution” means the Vice- Cancellor, Mahopadyaya, Director, President, Principal or any other person howsoever designated charged with the administration and management of the affairs of such educational institution;

“Higher Educational institution” has the meaning assigned to it in the Universities Act, No. 16 of 1978;

“ragging” means any act which causes or is likely to cause physical or psychological injury or mental pain or : fear to a student or a member of the staff of an educational institution;

“student” means a student of an educational institution;

“sexual harassment” means the use of criminal force, words or actions to cause sexual annoyance or harassment to a student or a member of the staff, of an educational institution;

ANNEX 3

Examination Rules, Offences and Punishments

These examination rules, offences and punishments are extracted from the “Manual of procedures for conduct of examinations” of University of Ruhuna;

Examination Rules

8.1. Attendance

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

Presence of candidates

8.2. Seating

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

8.3 Admission to Hall

8.3.1 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.

8.3.2 No candidate shall be allowed to leave the hall until an hour has lapsed from the commencement of the examination or during the last 15 minutes of the paper.

8.4 Identity verification

8.4.1 Candidate shall have his/her student ID Card/ Record Book and the admission card with him on every occasion he/she presents himself/herself for an examination.

8.4.2 His/Her candidature is liable to be cancelled if he/she does not produce the student ID Card/ Record Book. If he/she fails to bring the student ID Card/ Record Book on any occasion, he/she shall, sign a declaration in respect of the paper for which he/she had not produced the student ID Card/ Record Book in the form Ex 26, and produce the student ID Card/ Record Book on the next occasion when he/she appears for the examination. If it is the last paper or the only paper he/she is sitting, he/she shall produce the student ID Card/ Record Book to the Registrar within one working day.

8.4.3 If a candidate loses his/her student ID Card/ Record Book in the course of the Examination, he/she shall obtain a duplicate Record Book /Identity Card from the Registrar in order to take part in the rest of the examination.

8.5 Documents etc. which Candidates should not bring

8.5.1 No candidate shall have in his/her possession, (e.g. in his clothes, on the admission card, Time Tables, Record Book or any other object he/she is permitted to bring into the examination hall), any Materials not allowed notes, signs and formula or any other

unauthorized material. Books, notes, parcels, handbags, mobile phones etc. which a candidate has brought with him/her should be kept at a place indicated by the Supervisor/Invigilator.

8.6 Declaration of Articles in Possession

A candidate may be required by the Supervisor to declare any item in his/her possession or person.

8.7 Copying

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

8.7.2 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.

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

8.8 Cheating

No candidate shall submit a practical or field book, dissertation, project study or answer scripts which have been done entirely or partly by anyone other than the candidate himself/herself.

8.9 Articles Candidate may bring

Candidates shall bring their own pens, ink, mathematical instruments, erasers, pencils, or any other equipment or stationery which the candidates have been instructed to bring.

8.10 Use of Examination Stationery

8.10.1 Examination stationery (i.e. writing paper, graph paper, drawing paper, ledger paper, precis paper etc.) will be supplied whenever necessary. No sheet, paper or answer book supplied to a candidate may be torn, crumpled, folded or otherwise mutilated.

8.10.2 No papers other than those supplied to him/her by the Supervisor or Invigilator shall be used by candidates. All materials supplied whether used or unused, shall be left on the desk and not removed from the examination hall

8.11 Index Number

8.11.1 Every candidate shall enter his/her Index Number on the answer book and on every continuation paper. He/she shall also enter all necessary particulars as indicated in 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.

8.11.2 A script that bears no Index Number or an Index Number which 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.

8.12 Rough Work to be Cancelled

8.12.1 All calculations and rough work shall be done only on papers supplied for the examination, and shall be cancelled and attached to the answer script.

8.12.2 Such work should not be done on admission cards, time-tables, question papers, Record Book or on any other paper. Any candidate who disregards these instructions will be considered as having written notes or outline of answer with the intention of copying.

8.13 Unwanted Parts of Answers to 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. If the same question has been attempted in more than one place the answer or answers that are not to be counted shall be neatly crossed off.

8.14 Under 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 his/her Invigilators, during the examination and immediately before and after it.

8.15 Conduct

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

8.16 Stopping Work

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

8.17 Maintenance of Silence

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

8.17.2 In case of urgent necessity, the candidate may communicate with the Supervisor or Invigilator. The attention of the Supervisor or Invigilator shall be drawn by raising hand from where he/she is seated.

8.18 Leaving the Hall

During the course of answering a paper no candidate shall be permitted to leave the examination hall temporarily. In case of emergency, permission will be granted but the candidate will be under surveillance of the Supervisor or Invigilator.

8.19 Impersonation

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

8.20 Dishonesty

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

8.22 Cancellation or Postponement

If circumstances arise which in the opinion of the Supervisor in consultation of the Controller Chief, 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 to the Dean of the Faculty.

8.23 Making of 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. No candidate shall refuse to make such a statement or sign it.

8.24 Whom to Contact in Examination Matters

No candidate shall contact any person other than the Dean, Head of the Department or the Registrar, regarding any matter concerning the examination

8.25 Handing Over of Answer Scripts

Candidates shall hand over the answer scripts personally to the Supervisor or Invigilator or remain in the seat until it is collected. On no account shall a candidate handover his/her answer scripts to the hall attendant, or another candidate.

8.26 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 Registrar immediately. This should be followed up by a letter with supporting documents sent by registered post, within one week of the incident. Candidates those who did not attend the examination for medical reason shall submit the medical certificates following the instructions by using Ex 27.

8.27 Eligibility to Continue to Sit

No student shall sit for an Examination, if he/she has exhausted the number of attempts that he/she is allowed to sit that particular Examination, unless he/she has been granted special permission to do so by the Senate.

Examination Offences and Punishments

9.1.1. A candidate who violates any of the requirements or conditions stipulated in Examination Rules shall be considered as having committed an examination offence. Examination offense Examination offences are classified as follows: Classification of offences

- (a) Possession of unauthorized documents or removal of examination stationery
- (b) Possession of telecommunication or transmitting devices
- (c) Plagiarism from internet or any other sources
- (d) Disorderly conduct
- (e) Copying (even detected while marking the answer scripts)
- (f) Obtaining or attempting to obtain improper assistance or cheating or attempting to cheat

- (g) Impersonation
- (h) Aiding and abetting the commission of any of these offences
- (i) Violation of any of the requirements or conditions stipulated from 8.6-8.10.

- 9.1.2 There shall be an Examination Disciplinary Committee appointed by the Senate to investigate into and make recommendations (including punishments) regarding examination offences referred to it. The recommendations of the Examination Disciplinary Committee shall be submitted to the Senate for the final decision.
- 9.1.3 In all cases of commission of examination offences detected (even detected while marking the answer scripts), the Supervisor/Examiner shall take action as outlined below and forward his report to the Registrar for further action.
- 9.1.4 The Registrar shall place all reports of examination offences submitted by the Supervisors, through Dean, for the consideration of the Vice-Chancellor who shall decide whether they shall be referred to the Examination Disciplinary Committee for further action.
- 9.1.5 Any examiner, Head of Department, Dean of Faculty or any other official of the University who detects an examination offence, shall report the matter in writing to the Registrar, who shall submit the same to the Vice-Chancellor for necessary action.
- 9.1.6 A candidate who is found guilty of an examination offence is liable to one or more of the following punishments.
 - (a) Removal of his/her name from the pass list
 - (b) Cancellation of his/her candidature from whole or part of the examination,
 - (c) Suspension from University examinations indefinitely or for a period as the Senate may decides
 - (d) Ban participation in the Convocation
 - (e) Suspension from the University indefinitely or for a period as the Senate may decide.
- 9.1.7 Any candidate found aiding and abetting the commission of any examination offence shall be liable to the same punishment as that applicable to the offence.
- 9.1.8 Any appeal against the decision of the Senate shall be made to the Council within one month of the receipt of the notification

ANNEX 4

Code of conduct to be followed by male/female undergraduates for hostels

- 01) All undergraduates must adhere to the existing and forthcoming laws imposed by the University.
- 02) Female students using the girls' hostel must return to the hostel by 8pm. neglecting this law can result in disciplinary action with immediate effect.
- 03) The hostel is only for the students who have been recognized by the university. No outsiders are allowed. If a student is absent for a period of one week or more without the knowledge of the sub warden, his or her hostel registration would be terminated.
- 04) No outsider should be allowed in the hostel during night time without the permission of the relevant officials. If the need arises to provide accommodation for an outsider, permission has to be obtained from the sub-warden through a written request describing the details and purpose of stay of the outsider.
- 05) If any damage to the hostel resources are noticed during admission, the sub-warden must be informed. Damage to hostel resources due to negligence or deliberation would result in a fine equivalent to the value of the particular resource which has to be paid to the university.
- 06) Appliances or equipment issued as single units per team (Eg: Electric Iron) must be duly returned in working condition at the end of the hostel period. Maintenance and repair expenses of these equipment have to be borne by the students during their hostel period.
- 07) Cooking is strictly prohibited inside students' rooms, common areas or visitors' areas.
- 08) Noise is a considerable issue that rises when a large group dwells within the same building.
 - a) Making noise in a disturbing manner to other students and civilians is strictly prohibited. (Noisy behaviour in corridors is not allowed. Please kindly switch off or silence the mobile phone during night)
 - b) Absolute silence must be maintained from 10pm to 6am within the hostels.
 - c) If music is played within rooms, please kindly close doors and windows.
 - d) If any disturbing noise is heard, do not hesitate to inform the sub-warden. Every student must respect another's right to learn in a noise-free environment.
- 09) All students must respect the prescribed times for entering and leaving the hostel. If in case a student needs to enter or leave before or after these times, a written request must be made to the sub-warden in advance. If a student intends to stay overnight outside the hostel , it should be recorded in the leaving register.
- 10) Students are permitted to meet outsiders only in the visitors' area. This meeting should be limited to 15 minutes and no visitors are allowed after 6pm in these areas. At no time should male students allow female visitors , vice versa , in the hostel premises.
- 11) Students must pay special attention to the cleanliness and sanitation of the hostel areas. No clotheslines should be visible to the outside. All taps , fans and bulbs are to be turned off immediately after use.
- 12) Notices, Posters and Banners are prohibited on hostel walls and doors. They should only be displayed on the noticeboards.
- 13) The hostels will be subjected to inspection occasionally by the university officials and the students are expected to provide their fullest cooperation to this inspection.

