FACULTY OF TECHNOLOGY

UNIVERSITY OF JAFFNA, SRI LANKA

2017/2018

Undergraduate Student Handbook

February 2019

Vice-Chancellor's Message

In supporting of the Government Policy and the request made by the University Grants Commission to introduce degree programme for students, who are expecting to enter University to follow bachelor of Degree in Technology, the University of Jaffna proposed to establish a Faculty of Technology, which was included in the Strategic Management Plan of the University of Jaffna in 2015. Faculty of Technology, proposed as 10th Faculty of University of Jaffna, was established under the gazette notification issued on 29th March, 2016. The faculty comprises three Departments, Department of Engineering, Department of Biosystems Technology and the Department of Inter Disciplinary Studies. The mission of the Faculty is to produce professional technologists with accredited degree to deliver the needs of the world of Technology.

The faculty offers two Degree programme, namely bachelor of Engineering Technology and the Bachelor of Biosystems Technology. The first batch of students was already admitted for both degree programmes in 2016. The first phase of the building for the faculty is under construction at t5he proposed site in Ariviyal Nagar, Kilinochchi. It is expected to complete in this Year. Until such time the classes will be conducted at faculty of Agriculture in the Faculty of Engineering.

I take great pleasure in welcoming the Third batch of students to this faculty. I am proud that the University has committed to build excellent residential and leisure faculties at the Ariviyal Nagar premises for the students to have enjoyable stay in the University with the generous support from the University Grants Commission and the Ministry of Higher Education and Highways.

I wish you a happy and prosperous undergraduate life at the University of Jaffna.

Prof. Ratnam Vigneswaran
Vice – Chancellor / University of Jaffna.

Dean's Message

It is my great pleasure to provide a greeting message for the Student Hand Book of the Faculty of Technology.

The Faculty of Technology was established in University of Jaffna in 2016 as 10th faculty to accommodate the newly initiated G.C.E Advanced Level Technology Stream students. The University Council decided to locate the Faculty of Technology at Ariviyal Nagar, Kilinochchi along with Faculty of Agriculture and Faculty of Engineering. The faculty admitted its first batch in 2016, second batch in 2018 and ready to admit the third batch in February 2019.

As the Dean of the faculty, I am proud to say that the faculty members as a team managing all the difficulties and working hard towards its vision and mission in producing academically sound and skilled graduates to cater the needs of the nation. The members of the faculty are working towards the goal of developing the faculty as an excellent centre in teaching, learning and research in Engineering Technology and Biosystems Technology in par with international standards.

The students register themselves in the Universities with high expectations towards their future plans. I am confident that the faculty of Technology will provide an excellent environment to develop your academic and extracurricular activities. The faculty has a multidisciplinary academic programme, which will assist the students to fulfill their expectations. The faculty expects the students to work hard and gather and search information towards their development with the assistance of faculty members. The student counsellors and mentors of the faculty are eager to support you in your every need.

This hand book provides a brief introduction to the academic programme and the supportive services and the other aspects of the University career. We hope you will find this hand book informative and useful. Faculty is delighted to welcome the new students of the 2017/18 academic year and extend its cooperation to them for mould them as world-class graduates.

Good Luck and Best wishes for our new students for a happy and prosperous undergraduate life at Faculty of Technology, University of Jaffna.

Dr. (Ms.) S. Sivachandiran

Dean / Faculty of Technology

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1. University of Jaffna

1.1 Brief History

The Jaffna Campus of the University of Sri Lanka was established in 1974 with a ceremonial inauguration on 6th October 1974 with the late Professor Kailasapathy as its first President. Under the University Act No. 16 of 1978, the Jaffna Campus gained the status of an independent University in January 1979 and became the University of Jaffna.

The University of Jaffna is committed to the search for truth in a diverse field of subjects, as has been emphasized in its motto "Meipporul Kanpatharivu" (Discernment is Wisdom).

1.1.1. Vision

To be a leading centre of excellence in teaching, learning, research and scholarship.

1.1.2. Mission

"To produce intellectual, professionally competent and capable graduates to meet the emerging needs of the national and international community, with a special emphasis on the social, economic and cultural needs of Northern Sri Lanka".

1.1.3. Crest

The crest of the university, shown aside, has the 'NANTHI' (bull) symbol at its centre. Nanthi adorned the flag of the Jaffna Kingdom that existed in the Northern Sri Lanka until it was dismantled by the Portuguese in the 15th century. The traditional oil lamp symbolizes the light of wisdom. The whole emblem is surrounded by 64 flames. These flames depict the sixty four varieties of art that adorns the Tamil culture. The crest is therefore symbolizing the growth of wisdom along with culture.

1.2. Faculty of Technology, University of Jaffna

1.2.1. Establishment of the Faculty

The Faculty of Technology is the newly established faculty of the University of Jaffna. The Higher Education Ministers' order of establishment is gazetted on the 29th of March 2016, Gazette No: 9/1960.

The Council of the University of Jaffna, at its 408th meeting held on the 02nd April 2016 appointed Prof. K. Kandasamy as the acting Dean of the faculty from the 04th of April 2016 to the 30th of September 2016. On the retirement of Prof. K. Kandasamy, Prof. S. Srisatkunarajah was appointed as the acting Dean from the 1st of October and rendered his services up to 30th September, 2017. Dr. (Ms). S. Sivachandiran was appointed as the acting Dean from 1st October 2017 to 18th of July 2018 and extended her service as the Dean of Faculty of Technology with effect from 19th of July 2018.

1.2.2. Vision of the Faculty

To be a leading centre of fostering and promoting Technological applications.

1.2.3. Mission of the Faculty

To produce knowledgeable and skilful technocrats who excel in innovative application of technological skills and expertise for the progress of technology in the country.

1.2.4. Aim and Objectives

Aim and objectives of the Faculty is to produce Technocrats who have the ability to

- Select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly-defined technology activities.
- Select and apply knowledge of mathematics, science, engineering, and technology, to Engineering / Biosystems technological problems that require the application of principles and applied procedures or methodologies.
- Demonstrate written, oral, and graphical communication skills in both technical and nontechnical environments; and an ability to identify and use appropriate technical literature.
- Display in-depth technical competence in at least one Engineering / Biosystems technology discipline.
- Identify, analyse, formulate and solve broadly-defined technological problems.
- Utilize a systems approach to design systems, components, or processes for broadly-defined technology problems and operational performance.

- Function effectively as a member, leader or manager in multi-disciplinary and multi-cultural team.
- Perform the social, cultural, global and environmental responsibilities of the professional technologist, and the need for sustainable development.
- Make use of principles of sustainable design and development to develop technological solutions for environmental issues.
- Make decisions in accordance with professional and ethical considerations.
- Understand the need for and an ability to engage in lifelong learning and professional development.

1.2.5. Teaching Framework

Instruction in each course unit may take place in the form of lectures, tutorials, discussions, practical, seminars, projects, assignments, self-study exercises and/or other forms approved by the Faculty Board of Technology and the University Senate which are the authorities that decides the methods of teaching.

It is the responsibility and the duty of undergraduates to attend and participate in lectures, tutorials, practical and other work assigned to the undergraduates, to register his/her attendance by signing the attendance list, and to maintain the required percentage of attendance of 80% in each course unit. It should be noted that no undergraduate can keep away from attending classes (i.e., lectures, tutorials etc.) for more than three consecutive days without informing and obtaining the written approval of the Head of Department. Undergraduates who are unable to attend lectures, tutorials etc., for three consecutive days or more due to illness must submit a valid medical certificate. Strict measures will be taken by the Departments of studies to monitor the attendance of undergraduates at lectures,

tutorials etc., for evaluating their performance as well as for permitting them to take the respective End of Course examinations. Therefore, continued attendance at classes is essential.

2. Administrative Setup of the University

2.1. The Chancellor and Officers of the University

Every University has a Chancellor appointed by The President. The *Chancellor is the Head of the University* and chairs the Annual Convocation of that university. The Principal Executive Officer of a University is its *Vice-Chancellor* who is also appointed by the President. The University administration is divided into two sectors: Academic and Non-academic.

Although the Vice-Chancellor is in overall charge of both academic and non-academic matters, the *Registrar* is the Principal Executive Officer for all non-academic matters. The officer responsible for the financial sector is the *Bursar*. There are several Senior Assistants Registrars, Assistant Registrars, Senior Assistant Bursars and Assistant Bursars assisting the Vice-Chancellor/ Registrar/Bursar.

2.2. Administration of the Faculties

Each Faculty has a *Dean*, who is the Head of the Faculty concerned. The Dean is the academic and administrative head of the Faculty concerned and the Chairman of the Faculty Board. *Heads of Departments* are appointed by the Vice-Chancellor from among the senior academic staff of the respective departments. Each Department is comprised of academic staff (Senior Professors, Professors, Associate Professors, Senior Lecturers, Lecturers and Probationary Lecturers). The Faculty has an Assistant Registrar to assist the Dean with Faculty administration. Students are encouraged to seek assistance from the Office of the Dean and the Heads of Departments regarding their study programme and appropriate subject combinations.

2.3. Administrative Branches of the University

A brief account of the services related to students carried by the different administrative organs of the university is given below.

2.3.1. Administration Branch

Administration branch handles many matters including postal, communication and transport services, which are services relevant to the students.

2.3.2. Establishments Branch

The Establishments branch handles the works relating to university employees and is therefore not relevant to the students.

2.3.3. Examinations and Admissions Branch

Examinations and Admissions branch handles the work of students' registrations, examinations and release of results. This branch prepares the degree certificates and maintains the academic records and register of graduates. It also issues the transcripts and details of examination results at the request of the students.

2.3.4. Welfare Services Branch

This branch looks after the welfare of the university students and hence one of the most important administrative organs of the university as far as the students is concerned. It handles matters such as providing accommodation to students at the university hostels and helping the students to get accommodation outside the university, providing canteen facilities, maintaining social harmony among the students, student counselling, health services and the matters relating to student discipline in the university. It also handles the work relating to the Vice-Chancellor's Fund, the Mahapola, and Bursaries etc.

2.3.5. Academic and Publication Branch

The Academic branch engages itself with the works relating to the Senate meetings, publication of annual reports, books, etc., making arrangements for the convocation and handling the endowments for scholarships, prizes and Gold Medals.

3. The structure of the Bachelor of Technology Honours degree programme

3.1. Programme Overview

Academic Programme of the Faculty of Technology, University of Jaffna operate on a modularized credit valued and semester based course unit system. The structure is designed to meet the Sri Lankan Qualification Framework (SLQF) requirements. Accordingly, the Bachelor of Technology Honours Degree programme offered by the faculty fall into level 6. Moreover, the Bachelor of Technology Honours Degree programme in Engineering Technology is structured with an aim of meeting the Sydney Accord and obtaining accreditation by the Institute of Engineers Sri Lanka (IESL) whereas the Bachelor of Technology Honours Degree programme in Biosystems Technology is structured with an aim of obtaining accreditation by the National Biotechnology Industry Association (NBIA). The curriculum of the programme is outcome based and complies with the subject benchmark standards (SBS) wherever applicable.

The Faculty of Technology is offering four year Bachelor of Technology Honours degree programme comprising eight semesters. The students will follow specialization courses from second year second semester onwards. The approved structure of the Bachelor of Technology Honours degree programme is adopted according to the "Guidance on Evaluation of Performance Calculation of Degree Programmes offered under Technology Stream" in order to maintain consistency and comparability of university level qualifications. The adopted structure of "Guidance on Evaluation of performance" will be come in to effect from 2017/18 Academic year.

3.1.1. Admission to Bachelor of Technology Honour Degree Programme

Students are admitted annually by the University Grants Commission from the Advanced Level technology streams.

3.1.2. Degrees

The Faculty offers Bachelor of Engineering Technology (BET) and Bachelor of Biosystems Technology (BBST) of four years duration. At present the Faculty provides three specializations under Bachelor of Engineering Technology, namely Construction Technology, Automobile Technology and Electro Technology and two specializations under Bachelor of Biosystems technology, namely Commercial Green Farming Technology and Food Production Technology. The specialization commences from the fourth semester and selection is made at the end of the third semester based on the student performance in the first three semester examinations in Technology.

3.1.3. Names of the Degrees

The degrees are named according to the type of the programme and SLQF norms.

Programme	Specialization	Title of the Degree
Engineering Technology	Construction Technology	Bachelor of Engineering Technology Honours
	Automobile Technology	
	Electro Technology	
Biosystems Technology	Commercial Green Farming Technology	Bachelor of Biosystems Technology Honours
	Food Production Technology	

3.1.4. Academic year

An Academic year consists of two semesters, Semester-1 and Semester-2.The duration of a Semester is 16 weeks with one week vacation nearly halfway of the semester.

3.1.5. Credit valued course unit system

A course unit is a subject module that has a credit value. A credit a time based quantitative measure assigned to course units on the basis of number of contact hours. The performance of students in the course units are divided into a sequence of sub-ranges designated by symbols called Grades and each Grade is assigned a Grade Point Value (GPV). The credit rating of course units offered by the Faculty may vary from two credits (minimum) to eight credits (maximum).

3.1.6. The subject Areas

3.1.6.1. Auxiliary Subjects Area

Course units in this subject area are designed to provide basic knowledge on topics that an undergraduate should possess in the present era. The auxiliary course units are not taken for the GPA.

3.1.6.2. Complimentary subjects Area

Course units in this area are designed to complement technological content of the curriculum. It includes course units in management, economics, professional ethics, social sciences, humanities etc.

3.1.6.3. Enhancement Subjects Area

Course units in this subject area are designed to either enhance or supplement the technological content of the curriculum

3.1.6.4. Abbreviations for Course Categories and Subject Areas

Engineering Technology		Biosystems Technology	
ETM	Mathematics	BTM	Mathematics
ETS	Science	BTS	Science
ETC	Construction technology	BTF	Food production
ETA	Automobile technology	BTG	Green Farming
ETE	Electro-technology		
ETW	Workshop technology		
ETD	Engineering Drawing		
ETF	Field work		

AST- Auxiliary Subjectsfor Technology

CST–Complimentary Subjects for Technology

EST- Enhancement Subjects for Technology

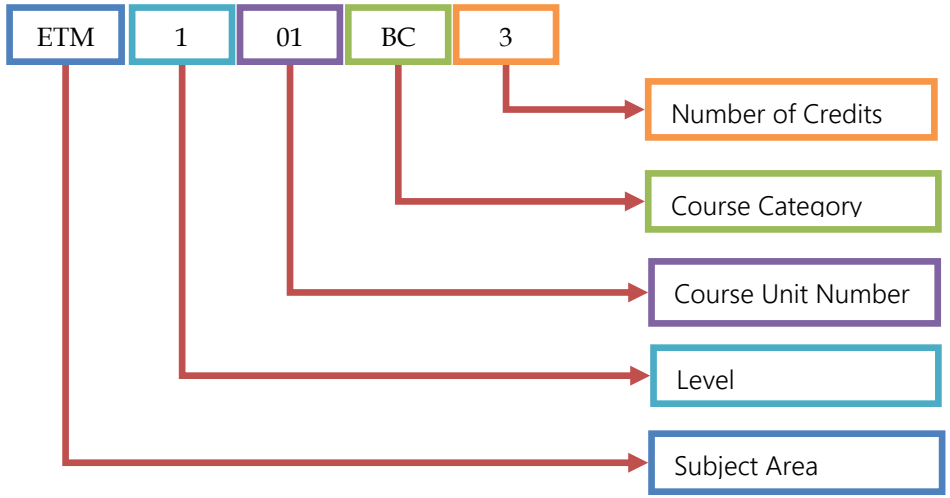
3.1.6.5. Course Categories

The course units are classified into five categories and arranged into four levels according to the nature of the course and year at which the course is offered as follows.

- Basic core (BC) – Essential mathematical, science, computer related course units, and foundation course units in the principal subject.
- Technical Core(TC) – Core module of a principal subject which directly related to the specialization offered in the programme
- Technical Elective (TE) – Outside the core module of a principal subject which directly related to the specialization offered in the programme and subject modules offered in addition to the core module to provide broader knowledge of the subject
- Non-Technical (NT) – Module on complementary studies which is not directly related to the principal subjects of specialization. Module on management, economics, communication, English, humanities, social sciences, art, and professional ethics.
- Skill Enhancement (SE) – Module which focused on training or education for job skills required by an employer to provide a person with the ability to obtain employment or to advance or adapt to the changing demands of the workplace. Skills enhancement modules do include industrial placement/internship/ field training, final year project/ research project.

3.1.7. Course Codes

Each Course unit assigned with a code which reflects the subject area of the course, nature of the course, level (year) of course, and course unit number of that level, course category and credit value of the course.



3.2. Definition of a credit

- For course units consisting of theory only, 15 hours of lectures is equivalent to one credit.
- For course units involving laboratory work, 15 practical sessions each of two to three hours duration is equivalent to one credit.
- The credit values of courses that have both theory and practical components are calculated by giving due weightage to the components accordingly, as stipulated above.
- For course units involving field work, the assigned credit value shall be given in the approved syllabi.
- For Research Projects of one semester duration the assigned credit value shall be between 3 and 6.

3.3. Credit Requirements

Students will be evaluated in all registered course units including those in auxiliary subject areas. However the credit-values earned for the auxiliary course units shall not be considered for the calculation of overall Grade Point Average of the degree programme.

3.4. Evaluation Procedures and Examinations:

A course unit shall be evaluated by means of

(a) Continuous Assessment (CA) consisting of suitable combinations of assignments, course-works, reports, oral presentations, oral examinations, quizzes, spot test, mid semester examinations etc.

(b) An End Semester Assessment (ESA).

The method of evaluation of each course unit is given along with the syllabus.

3.4.1. Continuous Assessments

All continuous assessments of any course unit (assignments, reports, oral presentations, quizzes, spot test, mid semester examination) will be carried out during the period of that course unit. Continuous assessments of course units will be carried out at the dates and times determined by the Office of the Dean in consultation with the department offering that course unit. The Head of the Department concerned is responsible for the marks awarded to all components of the continuous assessments of course units offered by the respective department. The marks scored by a student in the various components of the continuous assessments of any course unit will be displayed in the Notice Board of that department by the Head of that department.

3.4.2. End Semester Assessment

An End Semester Assessment will be conducted for each course unit at the end of the semester in which the teaching of the course is completed. The end semester assessment will be conducted by the Examination Branch of the Faculty/ University. The date and time of the end semester assessment will be decided at the beginning of each semester by the Dean in consultation with the Heads of Departments. An Examination Board of the Faculty constituted for each course unit will finalize the results of that course unit.

The Grades obtained by the students in the end semester assessment and the overall Grades obtained by the students for that particular course shall be displayed by the Head of the Department concerned after ratification by the Faculty Examination Board. The Dean will send Grades List to the Examination Branch along with detail mark sheets. When the results of the examinations on all the course units of a particular Semester of an academic year are received by the Examination Branch, the Examination Branch will summon a meeting of the Examination Board chaired by the Vice-Chancellor. The Board will release the overall performance of the students in that Level of that academic year giving the GPA scored by the students in that Semester. The Examination Board chaired by the Vice-Chancellor will also release the awards of degrees with the overall GPA and the Class of Honours obtained by the students who have completed that course of study in an academic year.

3.4.3. Grading System

Performance of students in respect of a course unit is graded according to the following grading system. A Grade Point Value (GPV) as indicated in the following table is assigned to each grade

Percentage Marks	Grade	GPV	Description
85 and above	A+	4.00	Excellent
80-84	A	4.00	
75-79	A-	3.70	
70-74	B+	3.30	Good
65-69	B	3.00	
60-64	B-	2.70	
55-59	C+	2.30	Pass
50-54	C	2.00	
45-49	C-	1.70	Weak Pass
40-44	D+	1.30	Conditional Pass
35-39	D	1.00	
34 and below	E	0.00	Fail

a) Grades, Grade Point Values, Percentage marks ranges and the Descriptions are as follows;

Performance of students in respect of a course unit is graded according to the following grading system. A Grade Point Value (GPV) as indicated in the following table is assigned to each grade

Note : In order to earn Grade D or above, student must score more than the minimum prescribed marks for both Continuous Assessment (CA) and End Semester Assessment (ESA). If the assessment is only by CA, minimum prescribed mark for CA will apply.

b) References to indicate the status when a module is not completed

Following or similar references may be used to indicate the status when a student has not completed a module. This is for record keeping of the university and for the information of the students.

Reference	Grade Point	Description
E (CA & ESA (P,T)	0.0	Both CA and ESA marks are below the prescribed minimum. Incomplete CA and ESA P: Practical ;T :Theory
E (CA)	0.0	CA mark is below the prescribed minimum. Incomplete CA
E (ESA);	0.0	ESA mark is below the prescribed minimum. Incomplete ESA

E(P) E(T)		ESA (Practical) mark is below the prescribed minimum. Incomplete ESA ESA (Theory) mark is below the prescribed minimum. Incomplete ESA
N	-	Academic concession
W	-	Withdrawn

c) Pass/ Fail criteria

i. Percentage pass mark for the CA is equivalent to the minimum mark assigned for Grade D^+

Percentage pass mark for the ESA for both practical and theory is equivalent to the minimum mark assigned for Grade D. (*Proportion of marks allocated for CA and ESA must be approved by the University. It is recommended to adopt 30 % for CA and 70 % for ESA for theory oriented modules and 40 % for CA and 60 % for ESA for practically oriented modules. There may be modules with higher percentage for CA or assessed entirely by CA*)

ii. Grade D or above is required to earn credit value for a module

iii. Student failing in CA, ESA or both CA and ESA (P, T) must repeat respective components

iv. Grades C^-, D^+, D or E, which can be improved to a Grade C, are considered for calculating Semester Grade Point Average (SGPA)

v. 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 grade and no more than three grades at the levels of C^-, D^+ or D in four Academic years. (Note: E grades will be included in calculating SGPA)

d) Criteria for English Language modules

According to the Paragraph 5.1.3. (c) of the Sydney Accord Accreditation Manual specify minimum 15 credits in the category of studies in Management, Engineering Economics and Communication. Communication modules are for the development of student's capability to effectively communicate both orally and in writing, specially the concise reporting skills. If English Language modules are offered in addition to the communication modules, two options can be considered in evaluating the performance of those modules.

Option 1- if the credits allocated to those English Language modules are within 120 credits considered for the degree, normal pass/fail criteria applicable to other compulsory modules will apply. However, credits allocated to English Language modules must be non-GPA credits.

Option 2- if the credits allocated to those English Language modules are over and above 120 credits, normal pass/fail criteria or special criteria that require the student to pass those modules but not counted towards credits can apply. In any event, passing of those English Language modules (minimum D) is a requirement to earn the degree.

3.4.4. Grade Point Average (GPA)

During the study period, a student accumulates grade points from various courses offered except the course units in the auxiliary subject area (Communication Skills (English), Social Harmony and Citizenship, Bioethics, etc). From the grade points accumulated, a Grade Point Average (GPA) may be calculated at any stage: for a semester or more or for a subject or more as may be necessary. The GPA is calculated using the formula;

$$GPA = \frac{\sum c_n g_n}{\sum c_n}$$

Where c_n and g_n are the credit value and the grade point value respectively of the n^{th} course unit. Any calculated GPA shall be rounded to the second decimal place.

Overall Grade Point Average (OGPA) is defined as the GPA of the student at the completion of the degree programme.

3.4.5 Academic Progression

A student who has not successfully completed the first three semesters will not be permitted to register for the fifth semester until the SGPA and Grades in each of the first three semesters are improved as required. Grade (s) obtained for English Language will not be a barrier, provided SGPA and other criteria are satisfied. Successful completion of a semester is defined in paragraph c (v).
Furthermore, selection criteria for specialization are based on merit among the preferred candidates.

3.4.5.1 Prerequisites

If a course unit prescribed for prerequisite course unit or course units, a student is permitted to follow that course unit only if he/she has attained the minimum requirement of Grade D for the prerequisite course unit or course units.

3.4.6. Attendance

- A student shall be eligible for the end semester examination only if he/she possesses 80% attendance in both theory and practical classes. However if any appeal received from respective students, a committee representing all three departments will study and decide the eligibility and the decision will be placed for the recommendation of the faculty board and to the approval of the senate.
- Those who are unable to attend the teaching learning activities due to medical reason or personal issues may report to the Dean of the Faculty and the Head of the Department as soon as possible within two weeks and obtain the advice for the remedial purpose.
- Those who do not satisfy the attendance requirement for the course unit will not be allowed to sit for end of course examinations.
- Those who are not allowed to sit for the examinations due to poor attendance may repeat the course with the approval of the Head of the Department and Dean of the Faculty. The highest grade obtainable in such an attempt will be a grade of C.
- Those who abstained from submitting medical or sit for the module examination within the due time (six academic year period) will be classified as incomplete candidates.

3.4.7. Repeating Examinations

- A student shall take the end of course examination of a course unit at the first available opportunity. If a student fails to sit an end semester assessment without giving valid reasons acceptable to the Faculty Board of Technology and the Senate, he/she shall be considered to have forfeited a chance to sit that examination and will be given the grade E for the end semester assessment of that course unit.
- A student who obtained a grade below C for a course unit may re-sit the end semester assessment of that course unit in order to improve his/her grade.

a) If a student obtains a lower grade while repeating, he/she is entitled to keep the previous grade.
b) The highest grade that could be awarded for a repeated course unit is C.
c) A student will not be allowed to repeat a course unit more than two times.
d) The maximum period allowed for completing the four year degrees programme shall be twelve semesters (six academic years). Students are allowed to repeat examinations only within this period.

   This would exclude periods of absence caused by medical or other valid reasons acceptable to the Faculty Board and the Senate.

   The senate of the university may grant one academic year at a time, beyond initial six (06) academic years, based on the merit of individual applications, for a maximum of 03 years.

- For students repeating the End Semester Assessment of a Course Unit, the marks obtained for Continuous Assessment at their first attempt would be carried forward to determine the Final Grade for that Course Unit.
- The maximum number of academic credits a repeat candidate can enrol in a semester is 27. Repeat Under exceptional circumstances, deviations to this limit may be permitted by the Dean, with the consent of the heads of the department, which is subjected to the approval of the Faculty Board and the Senate.

3.4.8. Sitting for alternative Elective

A student may offer an alternative elective in place of a technical elective for which he/she has failed to secure a passing grade. However, the grades obtained by the student in all electives are included in his/her academic transcript. The GPA is calculated considering the grades and credits of the course units claimed by the student for his degree which have been offered in the Final Course.

3.5. Common Programme offered in Technology (Semester I, II and III)

The common programme spans for three semesters from first semester to third semester. The primary objective of the common programme is to provide fundamental knowledge and skills to pursue specialized technological programme such as Engineering Technology, Biosystems Technology, Information and Communication Technology, etc. At the end of common programme, a student should be able to;

- demonstrate fundamental concepts in core technology disciplines (Either in Construction, Automobile, Electro or Food Production, Green Farming)
- know when and how to use fundamental science and mathematical concepts for technological problems
- demonstrate simple solution to broadly-defined technological problems
- describe the basic concepts of ICT and effectively use application software to increase productivity when solving technological problems
- find ethical and environmentally friendly solution to simple technological challenges
- develop attribute to respect multicultural aspects and actively participating in teamwork
- practice health and safety procedures in relevant discipline
- develop confident level and effectively communicate in English

In common programme, there are compulsory core course units amount to 49 and 54 academic credits including Non-GPA communication Skills (English) for Bachelor of Engineering Technology (BET) and Bachelor of Biosystems Technology (BBST) respectively. The list of course units offered under the common programme is given below.

3.5.1. Common programme for Engineering Technology

Semester	Course Unit Title	Code	Credits
1	Mathematics I	ETM101BC2	02
	Science for Technology I	ETS102BC2	02
	Foundation in Electrical and Electronic Technology	ETE103BC3	03
	Information and Communication Technology	EST104BC2	02
	Engineering Drawing	ETD105BC3	03
	Surveying I	ETF106BC3	03
	Communication Skills I (English)	AST107NT2	02
2	Mathematics II	ETM108BC2	02
	Science for Technology II	ETS109BC2	02
	Foundation in Automobile Technology I	ETA110BC2	02
	Foundation in Construction Technology	ETC111BC3	03
	Workshop Technology I	ETW112BC3	03
	Communication Skills II (English)	AST113NT2	02
	Intercultural and Inner Harmony	CST114NT2	02
3	Mathematics III	ETM201BC2	02
	Engineering Materials	ETS202BC3	03
	Electrical Installation Practices	ETE203BC3	03
	Occupational Health and Safety (Fire &electrical)	EST204BC2	02
	Building services	ETC205BC2	02
	Foundation in Automobile Technology II	ETA206BC2	02
	Personality and Communication skill development	EST207NT2	02

3.5.2. Common programme for Biosystems Technology

Semester	Course Unit Title	Code	Credits
1	Physics for Technology	BTS101BC3	03
	Chemistry for Technology	BTS102BC3	03
	Basic Mathematics and Statistics	BTM103BC2	02
	Information and Communication Technology	EST104BC2	02
	Basic Biology	BTS105BC3	03
	Biochemistry	BTF106BC3	03
	Communication skills I (English)	AST107NT2	02
2	Instruments for Technology	BTS108BC3	03
	Food and Nutrition	BTF109BC3	03
	Plant Production Technology	BTG110BC3	03
	General Microbiology	BTG111TC3	03
	Food Production Systems	BTG112BC3	03
	Communication Skills II (English)	AST113NT2	02
	Social Harmony and Citizenship	AST114NT2	02
3	Food analysis	BTF201TC3	03
	Principles and practices of organic farming	BTG202TC2	02
	Food Marketing and Business Economics	CST203BC2	02
	Food Preservation Technology	BTF204TC3	03
	Biotechnology	BTG205TC2	02
	Livestock and feed Production Technology	BTG206TC3	03
	Environmental Toxicology	BTG207TC2	02

3.6. Special Programme in Technology

Special programme prepare the student who has completed the common programme to the SLQF 6 honours level degree which spans from fourth semester to eighth semester in various specializations. The course units offered in the special programme are identified as Basic core (BC) units, Technical Core (TC) units, Technical Elective (TE) units, Non-Technical (NT) units, and Skill Enhancement (SE) units amount to 74 academic credits, and mandatory industrial training amounts to 06 academic credits (total of 80 credits). Initially the following specialized programme will be offered;

- Bachelor of Engineering Technology Honours
- Bachelor of Biosystems Technology Honours

New programme will be added as the faculty grows and acquires physical and human resources

3.7. Criteria for Awarding Degrees

A student deemed to have satisfied the requirement for the Award of Degree of Bachelor of Engineering Technology / Bachelor of Biosystems Technology if he / she has obtained;

- Overall GPA of minimum 2.00
- Grade 'D' or above in all the course units (amounts to 128 credits)
- Grade 'D' or above in Communication Skills I (English) (Paragraph 3.4.3 (d): option 2)

Effective date of degree awarded shall be the date of the last assessment/evaluation of the semester in which a student completes the degree programme.

3.8. Award of Classes

A student who satisfies the requirement of the award of degree within 4 academic years may earn a class honours. The class honours will be determined based on his/ her GPA as summarized in below Table.

GPA	Academic standing
GPA ≥3.70	First Class
3.30 ≤ GPA < 3.70	Second Class (Upper Division)
3.00 ≤ GPA < 3.30	Second Class (Lower Division)
2.00 ≤ GPA < 3.00	Pass

3.9. The Syllabi of the Degree Programme

The Bachelor of Engineering Technology honours degree programme is designed to meet the SLQF Level 6 standards and Sydney Accord requirements. Entire programme offers 128 academic credits including 06 from industrial training. The total number of earned academic credits includes minimum of 18 academic credits in mathematics, basic science and computing; and minimum of 15 academic credits for studies in management, engineering economics and communication; and 03 academic credits in humanities, social science, art and professional ethics.

The Bachelor of Biosystems Technology honours degree programme is designed to meet the SLQF Level 6 standards. Entire programme offers 128 academic credits including 04 from industrial training and 08 from Research project. The total number of earned academic credits includes minimum of 30 academic credits in mathematics, basic science and computing; and minimum of 19 academic credits for skill enhancement studies; and 67 academic credits in technical subjects.

Every course unit has assigned with credit value that reflects the volume of learning. The syllabi of the course unit is designed as outcome based with clearly stated objectives, ILOs , delivery of contents , teaching and learning methods, and evaluation methods. Moreover the whole curriculum is designed such a way that as the students makes progress, desired EPO would be gradually achieved.

3.9.1. Bachelor of Engineering Technology Honours

Construction Technology Specialization

Semester	Course Unit Title	Code	Credits
1	Mathematics I	ETM101BC2	02
	Science for Technology I	ETS102BC2	02
	Foundation in Electrical and Electronic Technology	ETE103BC3	03
	Information and Communication Technology	EST104BC2	02
	Engineering Drawing	ETD105BC3	03
	Surveying I	ETF106BC3	03
	Communication Skills I (English)	AST107NT2	02
2	Mathematics II	ETM108BC2	02
	Science for Technology II	ETS109BC2	02
	Foundation in Automobile Technology I	ETA110BC2	02
	Foundation in Construction Technology	ETC111BC3	03
	Workshop Technology I	ETW112BC3	03
	Communication Skills II (English)	AST113NT2	02
	Intercultural and Inner Harmony	CST114NT2	02
3	Mathematics III	ETM201BC2	02
	Engineering Materials	ETS202BC3	03
	Electrical Installation Practices	ETE203BC3	03
	Occupational Health and Safety (Fire &electrical)	EST204BC2	02
	Building services	ETC205BC2	02
	Foundation in Automobile Technology II	ETA206BC2	02
	Personality and Communication skill development	EST207NT2	02

4	Mathematics IV	ETM208BC2	02
	Structural Mechanics	ETC209TC3	03
	Introduction to Computer Aided Design	ETC210TC3	03
	Fluid Mechanics	ETC211TC3	03
	Soil Mechanics	ETC212TC3	03
	Concrete Technology and Testing	ETC213TC3	03
5	Mathematics V	ETM301BC2	02
	Construction contracts and procurements	ETC302TC2	02
	Design of Steel and Timber Structures	CST303TC3	03
	Structural Analysis	ETC304TC3	03
	Surveying II	ETC305TC3	03
	Surveying Field Camp	ETC306TC3	03
	Fundamental of Management Accounting	CST307NT2	02
	Geotechnology	ETC308TC3	03
6	Project management and Planning	CST309NT2	02
	Transportation Technology	ETC310TC2	02
	Hydraulic Technology	ETC311TC3	03
	Design of Reinforced Concrete Structures	ETC312TC3	03
	Professional Ethics and Human Value	CST313NT2	02
	Research Methodology	ETC314TC2	02

	Computing for Technology	EST315SE2	02
	Environmental Engineering Technology	ETC316TC3	03
7	Industrial Placement	ETC401SE6	06
8	Project	ETC402SE6	06
	Highway and Transportation Systems Design	ETC403TC3	03
	Engineering Economics	CST404NT3	03
	Industrial Engineering Management	CST405NT2	02
	Elective module I		
	Irrigation Technology	ETC406TE3	03
	Sustainable Built Environment Technology	ETC407TE3	03

3.9.2. Bachelor of Engineering Technology Honours

Automobile Technology Specialization

Semester	Course Unit Title	Code	Credits
1	Mathematics I	ETM101BC2	02
	Science for Technology I	ETS102BC2	02
	Foundation in Electrical and Electronic Technology	ETE103BC3	03
	Information and Communication Technology	EST104BC2	02
	Engineering Drawing	ETD105BC3	03
	Surveying I	ETF106BC3	03
	Communication Skills I (English)	AST107NT2	02
2	Mathematics II	ETM108BC2	02
	Science for Technology II	ETS109BC2	02
	Foundation in Automobile Technology I	ETA110BC2	02
	Foundation in Construction Technology	ETC111BC3	03
	Workshop Technology I	ETW112BC3	03
	Communication Skills II (English)	AST113NT2	02
	Intercultural and Inner Harmony	CST114NT2	02
3	Mathematics III	ETM201BC2	02
	Engineering Materials	ETS202BC3	03
	Electrical Installation Practices	ETE203BC3	03
	Occupational Health and Safety (Fire &electrical)	EST204BC2	02
	Building services	ETC205BC2	02
	Foundation in Automobile Technology II	ETA206BC2	02
	Personality and Communication skill development	EST207NT2	02
4	Mathematics IV	ETM208BC2	02
	Applied Thermodynamics	ETA209TC3	03

	Theory of machines	ETA210TC3	03
	Automobile Electronics	ETA211TC3	03
	Automobile Engines and Components (P)	ETA212TC1	01
	Automobile Workshop practice and Management	ETA213TC3	03
	Computer aided Drafting and modelling	ETA214SE3	03
5	Mathematics V	ETM301BC2	02
	Automotive Engines, combustion, fuel systems and lubrication	ETA302TC3	03
	Automobile Drivetrain, steering and braking	ETA303TC2	02
	Automotive Air conditioning and auxiliary systems	ETA304TC2	02
	Fault diagnosis and rectification of engine systems	ETA305TC2	02
	Computing for Automobile Technology	ETA306SE2	02
	Fundamental of Management Accounting	CST307NT2	02
	Dynamics of Mechanical systems	ETA308TC3	03
6	Project Management and Planning	CST309NT2	02
	Alternative fuels and pollution control	ETA310TC2	02
	Mechatronics and control theories	ETA311TC3	03
	Hybrid and Electric Drivetrain	ETA312TC3	03
	Professional Ethics and Human Value	CST313NT2	02
	Research Methodology	ETA314TC2	02

	Design of Automotive Components	ETA315TC3	03
	Elective Module I Advanced Materials Engineering Advanced Aerodynamics for Automobile Technology	ETA316TE2 ETA317TE2	02
7	Industrial Placement	ETA401SE6	06
8	Project	ETA402SE6	06
	Vehicle Dynamics, vehicle chassis and suspension systems	ETA403TC3	03
	Hybrid and Electric Drivetrain	ETA404TC3	03
	Alternative fuels and pollution control	ETA405TC2	02
	Professional Ethics and Human Value	CST406NT2	02
	Elective module II Heavy Vehicle Technology High Performance Vehicle Technology	 ETA407TE2 ETA408TE2	02

3.9.3. Bachelor of Engineering Technology Honours

Electro Technology Specialization

Semester	Course Unit Title	Code	Credits
1	Mathematics I	ETM101BC2	02
	Science for Technology I	ETS102BC2	02
	Foundation in Electrical and Electronic Technology	ETE103BC3	03
	Information and Communication Technology	EST104BC2	02
	Engineering Drawing	ETD105BC3	03
	Surveying I	ETF106BC3	03
	Communication Skills I (English)	AST107NT2	02
2	Mathematics II	ETM108BC2	02
	Science for Technology II	ETS109BC2	02
	Foundation in Automobile Technology I	ETA110BC2	02
	Foundation in Construction Technology	ETC111BC3	03
	Workshop Technology I	ETW112BC3	03
	Communication Skills II (English)	AST113NT2	02
	Intercultural and Inner Harmony	CST114NT2	02
3	Mathematics III	ETM201BC2	02
	Engineering Materials	ETS202BC3	03
	Electrical Installation Practices	ETE203BC3	03
	Occupational Health and Safety (Fire &electrical)	EST204BC2	02
	Building services	ETC205BC2	02
	Foundation in Automobile Technology II	ETA206BC2	02
	Personality and Communication skill development	EST207NT2	02
4	Mathematics IV	ETM208BC2	02

	Electrical Machine I	ETE209TC3	03
	Electrical Power Generation	ETE211TC3	03
	Control System Engineering	ETE213TC3	03
	Electronics and Circuit System.	ETE210TC3	03
	Computer Programming using C++	EST212BC3	03
5	Mathematics V	ETM301BC2	02
	Electrical Transmission and Distribution system	ETE302TC3	03
	Electrical Machine II	ETE303TC3	03
	Measurement and Instrumentation	ETE304TC3	03
	Power Electronics and applications	ETE305TC3	03
	Computing for Electro Technology	ETE306TC2	02
	Fundamental of Management Accounting	CST307NT2	02
6	Project Management and Planning	CST309NT2	02
	Electronics and Communication	ETE310TC3	03
	Industrial Electronics and control	ETE311TC3	03
	Electrical Drives and Control	ETE312TC3	03
	Professional Ethics and Human Value	CST313NT2	02
	Research methodology	ETE314TC2	02
	Embedded Systems	ETE315TC3	03
7	Industrial Placement	ETE401SE6	06
8	Project	ETE402SE6	06

	Robotic and Automation	ETE403TC3	03
	Renewable energy & power system	ETE404TC3	03
	Engineering Economics	CST405NT3	03
	Industrial Engineering Management	CST406NT2	02
	Elective module I High Voltage Engineering Digital Signal Processing	 ETE407TE3 ETE408TE3	03

3.9.4. Bachelor of Biosystems Technology Honours

Food Production Technology Specialization

Semester	Course Unit Title	Code	Credits
1	Physics for Technology	BTS101BC3	03
	Chemistry for Technology	BTS102BC3	03
	Basic Mathematics and Statistics	BTM103BC2	02
	Information and Communication Technology	EST104BC2	02
	Basic Biology	BTS105BC3	03
	Biochemistry	BTF106BC3	03
	Communication skills I (English)	AST107NT2	02
2	Instruments for Technology	BTS108BC3	03
	Food and Nutrition	BTF109BC3	03
	Plant Production Technology	BTG110BC3	03
	General Microbiology	BTG111TC3	03
	Food Production Systems	BTG112BC3	03
	Communication Skills II (English)	AST113NT2	02
	Social Harmony and Citizenship	AST114NT2	02
3	Food analysis	BTF201TC3	03
	Principles and practices of organic farming	BTG202TC2	02

	Food Marketing and Business Economics	CST203BC2	02
	Food Preservation	BTF204TC3	03
	Biotechnology	BTG205TC2	02
	Livestock and feed Production Technology	BTG206TC3	03
	Environmental Toxicology	BTG207TC2	02
4	Agro enterprise Development and Management	CST208NT2	02
	Food safety and sanitation	BTF209TC2	02
	Fermentation Technology	BTF210TC2	02
	Food Engineering	BTF211TC3	03
	Food Chemistry	BTF212TC3	03
	Spice and Herbal Products Technology	BTF213TC2	02
	Sensory evaluation	BTF214TC2	02
5	Food Microbiology	BTF301TC2	02
	Fruits and vegetables process Technology	BTF302TC2	02
	Novel food product development	BTF303TC2	02
	Grain science and technology	BTF304TC2	02
	Fish and egg products technology	BTF305TC2	02
	Confectionary and Beverage Technology	BTF306TC2	02
	Kernel and Nut processing Technology	BTF307 TC2	02
	Renewable Energy Technology	BTG308TC2	02
6	Food Packaging and labelling	BTF309TC2	02

	Food plant layout and Design	BTF310 TC2	02
	Palm products technology	BTF311TC2	02
	Link Tech (Link with Small and Medium Enterprise)	BTF312(a)TE2	02
	Consumer driven cultural foods technology	BTF312(b)TE2	02
	Sustainable Consumption and Production	CST313NT2	02
	Dairy Products Technology	BTF314TC2	02
	Meat and Meat Products Technology	BTF315TC2	02
	Functional foods and Nutraceuticals	BTF316TC2	02
7 (24 weeks)	Human Resource Management	CST401NT2	02
	Scientific communication	CST402NT2	02
	Cleaner Production Technology	EST403TC2	02
	Applied statistics	BTM404TC2	02
	Organizational Management	CST405NT2	02
	Bioethics	AST406NT2	02
	Environmental Impact Assessment	CST407NT2	02
	Industrial Training	BTF408SE4	04
8	Research Project	BTF409SE8	08

3.9.5. Bachelor of Biosystems Technology Honours

Commercial Green Farming Technology Specialization

Semester	Course Unit Title	Code	Credits
1	Physics for Technology	BTS101BC3	03
	Chemistry for Technology	BTS102BC3	03
	Basic Mathematics and Statistics	BTM103BC2	02
	Information and Communication Technology	EST104BC2	02
	Basic Biology	BTS105BC3	03
	Biochemistry	BTF106BC3	03
	Communication skills I (English)	AST107NT2	02
2	Instruments for Technology	BTS108BC3	03
	Food and Nutrition	BTF109BC3	03
	Plant Production Technology	BTG110BC3	03
	General Microbiology	BTG111TC3	03
	Food Production Systems	BTG112BC3	03
	Communication Skills II (English)	AST113NT2	02
	Social Harmony and Citizenship	AST114NT2	02
3	Food analysis	BTF201TC3	03
	Principles and practices of organic farming	BTG202TC2	02

	Food Marketing and Business Economics	CST203BC2	02
	Food Preservation	BTF204TC3	03
	Biotechnology	BTG205TC2	02
	Livestock and feed Production Technology	BTG206TC3	03
	Environmental Toxicology	BTG207TC2	02
4	Agro enterprise Development and Management	CST208NT2	02
	Food safety and sanitation	BTF209TC2	02
	Water conservation Technology	BTG 210TC2	02
	Green soil fertility management	BTG 211TC2	02
	Floricultural Technology	BTG 212TC2	02
	Urban Gardening	BTG 213TC2	02
	Productive Entomology	BTG 214TC2	02
	Marine and Brackish water fish production	BTG 215TC2	02
5	Bio agents Production Technology	BTG301TC2	02
	Fruits and vegetables process Technology	BTF 302TC2	02
	Land Degradation and Pollution Management	BTG 303TC2	02
	Agronomy of underutilized crops	BTG 304TC2	02
	Small Scale Green Farming	BTG305TC2	02
	Forage science and range management	BTG 306TC2	02
	Farm mechanization Technology	BTG 307 TC2	02
	Renewable Energy Technology	BTG 308TC2	02

6	Food Packaging and labelling	BTF 309TC2	02
	Vermitechnology	BTG 310TC2	02
	Automated Farming Technology	BTG 311TC2	02
	Land management and GIS application	BTG312(a)TE2	02
	Landscape and Architectural design	BTG312(b)TE2	02
	Sustainable Consumption and Production	CST313NT2	02
	Green Agro Forestry	BTG 314TC2	02
	Plant Protection Technology	BTG 315TC2	02
	Farm Layout Development Management	BTG 316TC2	02
7 (24 weeks)	Human Resource Management	CST 401NT2	02
	Scientific communication	CST 402NT2	02
	Cleaner Production Technology	EST 403TC2	02
	Applied statistics	BTM 404TC2	02
	Organizational Management	CST 405 NT2	02
	Bioethics	AST 406NT2	02
	Environmental Impact Assessment	CST 407 NT2	02
	Industrial Training	BTG408SE4	04
8	Research Project	BTG409SE8	08

4. Supportive Facilities for Learning and Sports

4.1. The Main Library

The University Library is situated in front of the Students Centre. It is named after Prof. S. Vithiananthan, the first Vice-Chancellor of the Jaffna University, as "Vithiananthan Library". Access to this building is from the Western side of the building facing the Science Faculty. There are branch libraries in the Faculty of Agriculture, Faculty of Technology, Faculty of Engineering, Faculty of Medicine, Ramanathan Academy of Fine Arts (RAFA) and the Siddha Medicine Unit.

Opening hours:

- Week days 8.30 am to 6.15 pm; Saturdays 8.30 am to 2.30 pm.
- The Library is closed on Sundays and public Holidays.

4.1.1. The Faculty Library

Faculty of Technology has got its own library. It is functional with lending and reference facilities. Student can get access to range of books for their successful progress in academic programme. This library is to be upgraded with IT and network facilities in near future. A small IT unit will be established inside the library and it will serve for online of books. In addition to this Wi-Fi zone is going to be established to facilitate teaching and learning process of the faculty, coupled with library.

4.2. The Computer Unit

The main computer unit, located at the Library and Faculty of Science premises, serves as the provider of computer services for the whole university. It helps in the teaching of computer courses in all the Faculties and units. The unit has internet access facilities for both students and staff.

The Information Technology Resource Centre (ITRC) was established in 2004 in Level 2 of the main Vithyananthan Library to expand the IT services provided to the staff and students of the whole university. The unit has four teaching laboratories and one Internet Laboratory. The four labs have about 195 computers. The Internet lab has 40 computers. It houses servers for running the network related services.

The faculty of technology also has a computer unit which is located in university premises (Kilinochchi) to provide services to the students.

4.3. The Physical Education Unit

The students are encouraged to take part in Sports to keep themselves physically fit and develop sports skills. The Physical Education Unit situated behind the Medical Faculty Complex handles the following:

- Providing Sports facilities.
- Maintaining the sports equipment and materials.
- Facilitating friendly matches and tournaments.

- Conducting tournaments.
- Conducting Colours awarding ceremony.
- Making arrangements for participation in the inter university games.
- Affiliating with outside sports associations and coordinating with them.

The Sports Complex has a large playground where Courts for Tennis, Basketball, Hockey, Cricket, Soccer, Netball, Volley ball and Elle have been set up and maintained. The Physical Education Unit provides about more than 26 games to the students: Athletic, Badminton, Basketball, Carom, Chess, Cricket, Elle, Gymnastic, Hockey, Karate, Netball, Rugby, Soccer, Table tennis, Volleyball, Weightlifting, etc. There is a sports complex is available at Ariviyal Nagar premises in order to fulfill the students' needs regarding sport activities from the faculties of Agriculture, Engineering and Technology.

4.4. Useful Telephone Numbers

Faculty of Technology	Telephone Number
Dean office	021 – 206-0169
Assistant Registrar	021 – 206-0169

Administrative Office/Branch/Unit	Telephone Number	Administrative Office/Branch/Unit	Telephone Number
University - General Information	021 – 221 8100	Deputy Chief Marshal	021 – 222 9668
Vice Chancellor	021 – 2222294	Chief Security Officer	021 – 222 8862
Registrar	021 – 2222006	Senior Student Counsellor	021 – 222 9668
Bursar	021 – 2224767	Librarian	021 – 222 2970
Deputy Registrar /Administration	021 – 2226517	Computer Unit	021 – 222 2259
Deputy Registrar /Student Admission	021 – 222 6714	English Language Teaching Centre	021 – 221 7423
Deputy Registrar /Examination	021 – 222 3609	Physical Education Unit	021 – 222 3482
Assistant Registrar / Welfare Services	021 – 222 6716	Peoples Bank (University Branch)	021 – 222 2072
University Medical Officer (UMO)	021 – 221 8130	Bank of Ceylon (University Branch)	021 – 221 9570

5. Staff / Faculty of Technology

Dean	**Dr. (Ms.) S. Sivachandiran** Ph.D, B.Sc[Hons] Agri. (Peradeniya, SL)
Former Deans (Acting)	**Prof K. Kandasamy** B.Sc. [Hons.] (Peradeniya, SL) Ph.D. (Keele, UK) **Prof. S. Srisatkunarajah** B.Sc. [Hons.] (Jaffna, SL), Dip. in Ed. (OUSL), Ph.D. (Heroit-Watt, UK)
Consultant	**Prof K. Kandasamy** B.Sc. [Hons.] (Peradeniya, SL) Ph.D. (Keele, UK)
Heads of the Departments	**Dr.(Mr).B.Ketheesan** Acting Head (Department of Engineering Technology) B. Sc. Eng (Peradeniya), M.S in EnV Eng (NMSU, USA), PhD (NMSU, USA) **Ms. K. Nishanthan** Acting Head(Department of Biosystems Technology) M.Phil, B.Sc.[Hons].Agri.(Jaffna, SL) **Dr.(Mr).T.Ketheesan** Head (Department of Interdisciplinary Studies) B.Sc. [Hons] (Jaffna, SL), Ph.D. (Dublin, Ireland)
Assistant Registrar	**Mr T.Thivakaran** B.Sc. [Hons.] (Wayamba, SL)

Lecturers	**Eng. Sivakumar Gowthaman**(On Study Leave) Ph.D. (Reading) (Hokkaido, JAPAN), M.Sc,B.Sc. Eng (Hons) (Peradeniya, SL), AMIE (SL). **Eng. Nallainathan Sakthivelnathan** (On study Leave) Ph.D. (Reading) (Murdoch, Aus), B.E. EEE, MSc (Peradeniya ,SL) AMIE (SL). **Eng. Randika Chandana Ambagala** B.Tech(OUSL, SL), M.Sc. (Reading), AMIE (SL). **Eng. Balaskandan Banujan** (On Study Leave) M.Sc.E. (Reading) (UNB, Canada),B.Sc. Eng. (Hons.) (Moratuwa, SL). **Eng. Arulampalam Kunaraj** B.Tech EIE P.G.Dip (Industrial Automation) (Moratuwa, SL). **Eng.Rtr.J.Joy Mathavan** B.Tech(Mech) [NIT, Jaipur] **Eng. M. Nithurshan** M.Sc. (Reading), B.Sc. Eng. (Hons) (Peradeniya, SL), AMIE (SL). **Eng. P. Rajeevkaran** M.Sc, B.Sc.Eng. (Hons) (Moratuwa, SL), AMIE (SL). **Eng. (Mr.) Akila Eranda Jayasinghe** M.Sc.Eng (Reading) (Peradeniya, SL), B.Sc.Eng. (Hons) (Jaffna, SL) AMIE (SL), GSMIEEE **Ms K.A.D.G.P. Dilrukshi** B.Sc.Eng (OUSL, SL).

Lectures	**Ms. Sukirtha Srivarathan** B.Sc. (Hons) (Wayamba, SL), M.Sc (Peradeniya, SL), PQHRM (CIPM, SL), SLAAS. **Ms. Nivethika Ajeethan** B.Sc. (Hons) (Jaffna, SL), M.Sc. (Peradeniya, SL), SLAAS. **Ms. Rajeetha Jeisunthar** B.Sc. (Hons) (Jaffna, SL). **Ms. Piratheepa Jegatheeswaran,** (On Study Leave) M.Sc (Reading) (Lethbridge, Canada), M.Sc (Peradeniya, SL) B.Sc. (Hons) (Jaffna, SL). **Ms. Hajarooba Gnanagobal** (On Study Leave) M.Sc. (Reading) (Memorial, Canada) B.Sc. (Hons) (Jaffna, SL). **Ms. Powshana Kunasingam** B.Sc. (Hons) (Ruhuna, SL). **Ms. Priyanthi Chandravarnan** B.Sc. (Hons) (Peradeniya, SL), M.Sc (Peradeniya, SL) **Ms.Anushiya Muralitharan** B.Sc (Hons) (Jaffna, SL). **Ms.Viharnaa Raveenthira** B.Sc (Hons) (EUSL), P.G.Dip in Agric Extension (Peradeniya, SL), P.G.Dip in Education (OUSL). **Ms. Simmaky Surendran** B.Sc (Hons) (Jaffna, SL) M.Sc (Peradeniya, SL).

	Ms. Keerthini Selvakumar M.Phil (Reading), B.Sc (Hons) (Jaffna, SL) **Mr S.Sayanthan** B.Sc (Hons) (Jaffna, SL). **Mr. Duglas Sathees** B.Sc (Hons) (Jaffna, SL), MBA (Reading) (University of Wales, UK).

Department of Interdisciplinary Studies

Senior Lecturers (Grade II)	**Dr.T.Ketheesan** B.Sc. [Hons] (Jaffna, SL), Ph.D. (Dublin, Ireland) **Mr S.Kajanthan** M.Phil (Jaffna, SL), B.Sc (EUSL)
Lecturer	**Ms. T.Janani** B.Sc (Hons) (Jaffna, SL)

Non Academic Staff

Technical officers	**Mr. S. Niruparan** NDT (Civil), ITUM, B.Tech (Reading) (OUSL), AMIIE – SL **Mr R.Eragan** HNDE (ME) **Mr A.Sanjeevan** B.Sc. [Hons] (Jaffna, SL). **Mr. S. Nishanthan** B.Sc. (Hons) (Jaffna, SL).

	Mr S.Thirukumaran B.Sc. (Hons) (Jaffna, SL) **Ms P.Usshanthi** B.Sc. (Hons) (Wayamba, SL). **Mr. S. Pathmasivam** B.Sc (Hons), CCNA Routing and Switching certification, CCNP Routing certification. **Mr. A. Sivakumaran** Special Equipment Trained in AIT (Thailand)
Mechanic	**Mr. T. Luxman** NVQ Level 5 (Reading)
Lab-Attendant	**Mr Y.Elankeeran** **Mr K.Manalan** **Mr A.Naguleswaran**
Office - Aid	**Mr T. Anusiyan** **Mr. P. Sriragubavan**
Works - Aid	**Mr K.Tharmeshkaran** **Mr Edman Donaldan**
Management Assistant	**Ms S.Vivedani** NVQ level 4 **Ms.S.A.Sanat Sanchuvi** HNDIT