DIPLOMA IN
INFORMATION TECHNOLOGY
C O U R S E   D E T A I L S   H A N D   B O O K

Take OUR HAND to Follow your DREAM

WAYAMBA UNIVERSITY OF SRI LANKA

Wayamba University of Sri Lanka (WUSL) is one of the Sri Lanka's latest and modern learning and research institutions. Nationally acclaimed for its well qualified teaching staff, outstanding researches and modern high quality learning facilities, WUSL possesses reputation for quality and excellence in higher education. Being the leading education provider in Agriculture, Food & Nutrition, Applied Sciences, Technology, Medical and Business Studies & Finance. WUSL has time to time introduced innovative job-oriented courses and curricular to cater the needs of the stakeholders in many sectors.

Faculty Of **Business Studies & Finance**

WUSL graduates are in strong demand by both national and international employers. The knowledge and skills gained through top quality programs give our graduates a competitive advantage in the job market. After successfully completion of bachelor degrees, many graduates pursue postgraduate studies locally and internationally.
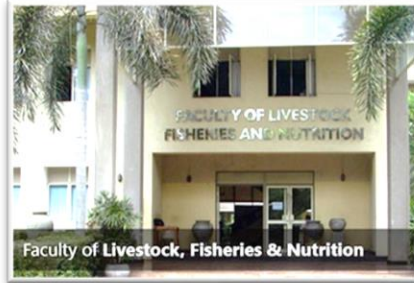

Faculty of **Applied Sciences**

At present, the WUSL has six Faculties- four at Kuliyaptiya and another two at Makandura. The two Faculties located at Kuliyapitiya are, Faculty of Applied Sciences and Faculty of Business Studies & Finance. The Degrees offered by the two Faculties are, B.Sc. (General) Degree, B.Sc. (Joint Major) Degree, B.Sc. (Special) Degree in Applied Electronics, B.Sc. (Special) Degree in Industrial Management, B.Sc. (Special) Degree in Mathematics & Statistics; B.Sc. (Special) Degree in Business Management, B.Sc. (Special) Degree in Accountancy & Business Finance, B.Sc. (Special) Degree in Banking & Finance, B.Sc. (Special) Degree in Insurance & Valuation.

The Faculty of Technology conducts the Bachelor of Engineering Technology Honours (BETHons) degree programmes in the following four specialization areas. BET Honours in Construction Technology, BET Honours in Electrotechnology, BET Honours in Material and Nano Science Technology and BET Honours in Mechanical and Manufacturing Technology.

The Faculty of Agriculture & Plantation Management and Faculty of Livestock, Fisheries & Nutrition are located at Makandura. The Degrees offered by the two Faculties at Makandura are, B.Sc. (Agriculture) Degree with specialization in Agribusiness Management, Biotechnology, Horticulture & Landscape Gardening and Plantation Management, B.Sc. (Plantation Management) External; B.Sc. in Food Production & Technology Management and the B.Sc. in Food Science & Nutrition.

ICT CENTER

Information Communication Technology (ICT) Center is the primary provider of computing and information technology resources, services, and support to Kuliyapitiya Premises of Wayamba University of Sri Lanka. It provides IT training programs for students, staff, and external professionals to improve demanding IT skills. It is committed to the support of academic activities by promoting on-campus information literacy, and by providing a suitable information technology environment. To ensure the smooth proceeding of educational and research activities, the center also offers comprehensive services using the latest advances in information technology. These services include running servers (mail, web, and LMS), maintaining the networks that form the university's IT infrastructure, promoting e-learning initiatives such as computerization of teaching materials and the use of learning management systems, and providing support to departments and units in order make their information and data available online.

We are ready to give our fullest at every weekday from 8.00am to 8.00pm and 8.00am to 4.00pm at Saturdays with the well-equipped laboratory environment.

DIPLOMA IN INFORMATION TECHNOLOGY

ICT Center of Wayamba University of Sri Lanka, Kuliyapitiya has initiated several IT related courses in the view of educating the general public of the surroundings by utilizing its human resources and modern infrastructure. According to the big demand, availability of knowledgeable resource personnel and modern computer laboratories, the ICT Center of Wayamba University of Sri Lanka, Kuliyapitiya intends to launch "Diploma in Information Technology" that leads to envisage Higher Diploma in Information Technology. Applicants who successfully complete 12 month taught courses and project work are eligible to receive the Diploma in Information Technology (DIT)

The "Diploma in Information Technology" will create a sound technical foundation in the field of Information Technology, which is leading to envisage Higher Diploma in Information Technology. By expanding services, the ICT Center can use currently available resources for the benefit of the society especially in North Western province in Sri Lanka while increasing the financial stability of the Center.

MEDIUM

Medium of instruction is English (Explanations will be done in both Sinhala and English languages)

COURSE UNITS PRESENTLY AVAILABLE FOR CREDIT TOWARD THE PROGRAM

No	Section Name	Description	No. of Credits
01	Concepts of IT	Parts of a Computer- CPU, Ram, Motherboard, Storage devices, Input/Output devices etc. and Hardware assembling Computer Architecture -Number systems, Boolean Algebra, Logic gates and Truth tables. Von-Neumann Operating systems	1
02	Office Applications	Word processing using MSWord, Spreadsheet applications using MS Excel, Graphical presentation using MS PowerPoint	6
03	Database Management	Database Management using MS Access	2
04	Internet, and Email	Introduction to Internet, email and related technologies with cloud computing	2

05	Ecommerce Application	Introduction to e-commerce, Types of e-commerce Advance e-commerce applications	1
06	Computer Security essential	Ethical, Social, Security and Health.	1
07	Web Development	Web Designing with HTML Web templates handling using CSS Web Server Management (using WAMP), Hosting & Maintenance	6
08	Computer Networking	Introduction to Networking, Networking Hardware, IP Addressing, Practical in simulation environment.	2
09	Graphic Designing	Photo editing and Graphic designing with Adobe Photoshop	
10	Introduction to Programming	Programming concepts and Rapid Application Development in VB.Net	6
11	Software Project Development	Prepare and approve the Individual/Group Project proposal Development of the Project, Discussion and monthly project presentation to supervisor and Interim Project presentation Report Submission and presentation	3
		Total Credits	**30**

ATTENDANCE

There is a direct correlation between attendance and academic success. Attendance is mandatory. Each student should have at least 80% attendance to sit for the examination of a course module

STUDENT LEARNING OUTCOMES ASSESSMENT

The performance of students is evaluated by means of examinations, assignments, presentations, software project and reports. The following guiding rules are adopted as fundamental requirements.

a) Two continues Assessments (5% Marks + 5% Marks)
b) Final examination (60% Marks)
c) Software project & report (30% Marks)

For a student to be eligible for award of the certificate, should have submitted / done all the above (a), (b), (c) and (d) components of the evaluation criteria.

                            And

Should have obtained 50% overall average marks while preserving 40% from each individual component.

GRADING

Note: A candidate shall be eligible to obtain a Credit, Merit, or Distinction Pass for a course module, only if he/she has taken the examination at the very first attempt.

Criteria	Grade
80 – 100	Distinction
70-79	Merit
60-69	Credit
50-59	Ordinary
0-49	Fail

REPEAT EXAMINATIONS

There will be a repeat examination only for the students, who are absent for the final examination, or those who failed the final examination

AWARDING THE CERTIFICATES

To be eligible for the award of certificates, students should successfully complete the course requirements. Certificate awarding ceremony will be held within 3 months after the final examination.

COURSE FEE DETAILS

Fee	Initial	At the time of Admission	By end of 3rd Month	Total
Application	Rs. 300.00			Rs. 300.00
Course Fee		Rs. 25,000.00	Rs. 20,000.00	Rs. 45,000.00

TEACHING STAFF

Name	Qualifications	Dept. / Unit
Dr. Upanith S. Liyanarachchi	B.Sc in Computer and Electronics (Wayamba), M.Sc., Ph.D. (Wayamba)	Director ICT Center, Kuliyapitiya
Mr. Akila Jayasanka	B.Sc. (Special) in ICT (RUSL), MPhil. (Wayamba), CCNA	Lecturer ICT Center, Kuliyapitiya
Mr.A.C. Abdulwahaab	B.Sc. (Wayamba.), Pg. Dip in IT, Reading for M.Sc	Lecturer ICT Center, Kuliyapitiya
Mr. H.M.A.K. Bogoda	B.Sc. (Hons) Computer Science (Peradeniya)	Lecturer ICT Center, Kuliyapitiya

SUPPORTIVE STAFF

Name	Position
Mr. H.M.C.Gunathilaka	Technical Officer , ICT Center, Kuliyapitiya
Ms. H.M.L.S.P Herath	Course Secretary, ICT Center, Kuliyapitiya
Mr. W.A.A Priyasantha	Lab Attendant, ICT Center, Kuliyapitiya
Mr. A.A.P Dassanayake	Lab Attendant , ICT Center, Kuliyapitiya
Ms. BDGNN Amarawansha	Office Assistance, ICT Center, Kuliyapitiya

ADMINISTRATIVE STAFF

Name	Position	Contact
Dr. Upanith S. Liyanarachchi	Course Director	077-266-0181
Mr. Akila Jayasanka	Course Coordinator	077-016-1692
Ms. Linush Herath	Course Secretory	037-228-4528

TEACHING PLATFORM

- Physical lectures and practical will be held in the Main Computer Lab, Faculty of Business Studies and Finance, Wayamba University of Sri Lanka, Kanadulla, Kuliyapitiya.
- Online lectures will be conducted via ZOOM online learning platform.
- All the course content will be available in the University LMS (lmsk.wyb.ac.lk)