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## Acronyms

ADMTC	Advanced Digital Media Technologies Centre
A/L	Advanced Level
BIT	Bachelor of Information Technology
CCNA	Cisco Certified Network Associate
CCNP	Cisco Certified Network Professional
CD	Compact Disk
CSC	Computing Services Centre
DIT	Diploma in Information Technology
EDC	External Degree's Centre
eLC	e-Learning Centre
e-Learning	Electronic Learning
FIT	Foundation in Information Technology
G.C.E.	General Certificate in Education
GPA	Grade Point Average
GPV	Grade Point Value
HDIT	Higher Diploma in Information Technology
ICT	Information and Communication Technologies
IT	Information Technology
JICA	Japan International Cooperation Agency
MBA	Master of Business Administration
MPhil	Master of Philosophy
MSc	Master of Science
NCGE	National Certificate in General Education
O/L	Ordinary Level
PDC	Professional Development Centre
PhD	Doctor of Philosophy
R&D	Research and Development
SCORM	Sharable Content Object Reference Model
SIDA	Swedish International Development Agency
TV	Television
UCSC	University of Colombo School of Computing
UGC	University Grants Commission
UNESCO	United Nations Educational, Scientific Cultural Organization
VLE	Virtual Learning Environment



## **1 BACKGROUND**

Background of the organisations associated with the Bachelor of Information Technology (BIT) Degree Programme is described below.

### **1.1 University of Colombo**

The history of higher education in Sri Lanka is closely linked to that of the University of Colombo. Established in the year 1870, as the Ceylon Medical College by the Government of that day under the leadership of Governor, Sir Hercules Robinson, the University of Colombo could claim to have been associated with higher education for over 100 years. This is an important legacy that all undergraduates who join the University of Colombo must be aware of and be proud of.

The vision of the University of Colombo, is to become a centre of excellence of international repute that contributes significantly to national development and human resource development particularly, in the South Asian region. Conscious of its long traditions as a leading tertiary education institution in the island, it will promote scholarship and research. It will seek to create and sustain a culture of learning and critical inquiry that respects viewpoint differences, inculcating a sense of social responsibility and service and commitment to democratic values in a plural society.

The University of Colombo is a metropolitan university and the students are at a distinct advantage being at the hub of cultural, economic and political activity in the country. Since its establishment as a distinct university, it has expanded its departments and programmes, and acquired a reputation within the country and abroad for academic excellence. The university has many faculties and institutes which are in great demand for the programmes they offer for undergraduate and postgraduate students, and for a wider community. The services of its staff are also increasingly used by the research community, international development agencies and the governmental and non-governmental sectors.

Students should feel very privileged to belong to the University of Colombo with its long tradition of excellence in teaching, learning, research and contribution to the community. The University of Colombo started its computing activities in 1967 and today it is the most advanced higher educational institution, in the forefront of human resource development in Information and Communication Technologies in Sri Lanka.

## **1.2 University of Colombo School of Computing**

In September 2002, University of Colombo School of Computing (UCSC) was established by merging The Institute of Computer Technology and The Department of Computer Science both of the University of Colombo, as the first centre of higher learning of computing in Sri Lanka. In the year 2003 UCSC admitted 120 students through the University Grants Commission (UGC) for a 3 Year Bachelor of Computer Science and 4 Year Bachelor of Science in Computer Science degree programme. The number of students admitted to these programmes has now increased to 160. In addition to this UCSC introduced a 3 Year Bachelor of Information & Communication Technology and 4 Year Bachelor of Science in Information & Communication Technology degree programme admitting 80 students through the UGC. This programme was introduced to fill the gap in the industry between business requirements and technical solutions. UCSC offers two Masters Programmes in Computer Science and Information Technology, and also has MPhil and PhD programmes. Computer Science courses are also conducted for all students of the Physical and Bio Science streams of the Faculty of Science, University of Colombo. The vision of the UCSC is to be a centre of international repute in training in Information and Communication Technologies (ICT).

The UCSC is fully equipped with student laboratories, multimedia laboratories, research laboratories, a state of the art digital studio, a campus wide fibre network, with the entire UCSC building complex fully wired for Internet access. UCSC has a state of the art network-operating centre. The library is well equipped with Books, Journals, CDs and provides Internet access to e-journals. The library is not accessible for the BIT candidates, however a collection of recommended textbooks are available with several

public libraries and a collection of past dissertations are available at the BIT office.

The major goal of the UCSC is to prepare students for careers in Information and Communication Technology as Software Developers, Systems Analysts, Network Administrators, Database Administrators, Web Developers, IT Managers, IT Strategic Planners and IT Policy Makers.

### **1.3 e-Learning Centre**

The UCSC was identified by donor agencies such as Swedish International Development Agency (SIDA) and European Union Asia Link Programme as an ideal location for a centre of excellence in e-Learning. In 2003, e-Learning Centre (eLC) has established an online learning environment at UCSC. The centre provides necessary support to develop interactive e-Learning content and training. The online virtual learning environment of the BIT degree programme (<http://vle.bit.lk>) is managed by them. For more details visit the eLC website (<http://www.ucsc.cmb.ac.lk/elc>).

### **1.4 Advanced Digital Media Technologies Centre**

Advanced Digital Media Technologies Centre (ADMTC) was established under the UCSC in order to implement the “Project for Human Resource Development in Information Technology through capacity building of the UCSC” that was supported by JICA. The centre is equipped with a state of the art Digital Studio and Multimedia Laboratories and it supports development of e-learning course content. Centre also conducts several training programmes in Multimedia, e-Learning and Digital Media Production. ADMTC produces all BIT TV programmes. For more details visit the ADMTC website (<http://www.admtc.lk>).

### **1.5 Computing Services Centre**

The Computing Services Centre (CSC) of UCSC is the main Consultancy arm of the UCSC. It conducts System Design and Development, System Recommendation, Software Project Consulting, Recruitment Testing, Tender Evaluation, Feasibility Study, Acceptance tests for computer hardware and software. It

also conducts tailor-made training programmes for the organizations in the private and public sector.

Training courses ranging from awareness to specific skills such as Upgrading & Maintenance of personal computers, Unix/Linux Network & Systems administration, CISCO Networking CCNA/CCNP Hands-on-training, Java, Computer aided Drafting, Advanced architectural 3D modelling & rendering are conducted by the CSC during weekday evenings and weekends. Software development unit of the CSC provide assists in automating various processors of the BIT programme. For more details visit the UCSC website (<http://www.ucsc.cmb.ac.lk>).

## **1.6 Professional Development Centre**

Professional Development Centre (PDC) of UCSC was set up for keeping a close liaison with IT industry and for improvement of the academic programmes through industry partnership. PDC primarily concentrate on improving professional skills of the staff and the internal students, industrial placements and visits for internal undergraduates and promoting inter-cultural harmony. Time to time PDC assists by announcing job opportunities for the BIT graduates or Diploma holders. For more details visit the PDC website (<http://www.ucsc.cmb.ac.lk/pdc>).

## **2 JOB OPPORTUNITIES**

The 21<sup>st</sup> Century would be dominated by ICT and there is a growing need for IT professionals. This, together with the critical shortage of IT professionals today, translates into opportunities for those in ICT as well as those interested in entering the field. Software Development & ICT Services is one sector where Sri Lanka can do well and have highly satisfactory economic returns, which in turn will benefit the national economy. In this context, we need to heighten public awareness on the potential of ICT and increase educational opportunities in the sphere.

## **3 BIT DEGREE PROGRAMME**

Taking into consideration the job opportunities that exist for ICT graduates in Sri Lanka & overseas, the UCSC (formerly Institute of Computer Technology) took the initiative to launch the External

Degree programme leading to the award of Degree of Bachelor of Information Technology (External) – BIT.

The UCSC having the most advanced training resources and experience in Sri Lanka in the field of ICT training examinations leading to the first-ever External Degree in IT in Sri Lanka. The University of Colombo will award the degree.

UCSC provides a well-defined detailed syllabus that would help to lay a solid foundation on which, a student can build his career in ICT. The syllabi will be constantly updated to meet the industry requirements. Model and past question papers, a list of recommended textbooks are provided to the students. In the year 2003, E-learning was introduced to the Year one BIT students through a Virtual Learning Environment (VLE). This was possible through assistance given by Sida (Swedish International Development Agency). VLE assists the students in learning through self-evaluating quizzes, learning material and activities. Further support is given to BIT students by the regular TV programme telecast over TVLanka. Recommended text books have been made available in many public libraries throughout the country in response to student requests.

The expertise of more than 20 PhD, 05 MPhil, 20 MSc and 03 MBA drawn from the University of Colombo, other Sri Lankan Universities and the ICT industry are associated with the programme, which makes the BIT a first in Sri Lanka to benefit from such expertise. Annually about 20 training institutes spread over the country offer training programmes for the BIT degree.

BIT Programme is designed to:

- produce qualified ICT professionals in addition to the traditional University output
- set professional standards and encourage students to obtain skills in commercial ICT applications and in the usage of necessary tools
- enable those who could not enter the university to read for a degree in ICT due to severe competition to work towards obtaining such a degree
- give an opportunity to those non-graduates already working in ICT to obtain a formal qualification in ICT through self-study.

The minimum duration of the BIT degree programme will be 3 academic years.

- A **Diploma in Information Technology (DIT)** will be awarded on successful completion of course examinations of the first year
- A **Higher Diploma in Information Technology (HDIT)** will be awarded to holders of the IT Diploma on successful completion of course examinations of the second year
- **Degree Certificate (BIT)** will be awarded on successful completion of year 1, year 2 and year 3 examinations and fulfilment of other requirements.

Over 20,000 candidates have enrolled for the BIT programme since its inception in 2000 and the 10<sup>th</sup> consecutive Academic year is about to commence. Performance of the completed academic years are summarised in Table 1 giving total registrations and award winners (DIT, HDIT & BIT) along with the new intake for the last completed academic year (excluding repeat candidates) and number graduated in that year.

	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>
Total Registrations	18,677	4,193	1,865
<b>2007/08 New Intake</b>	<b>1,558</b>	<b>781</b>	<b>284</b>
Total Awardees	3,369	1,403	640
<b>2008 Awardees</b>	<b>604</b>	<b>386</b>	<b>138</b>

**Table 1:** Enrolment and Awardees

### 3.1 International Recognition

The e-BIT programme of the UCSC won a Certificate of Commendation in the Education Planner and Administrator Category of the UNESCO ICT in Education Innovation Awards 2007-2008.

The UCSC was chosen for this award owing to its innovative use of ICT to scale the output of ICT Professionals much needed by the industry. The e-BIT was designed to optimize the use of ICT for communication, registration, delivery of the curricular content, and examination through its website and associated Virtual

Learning Environment. Today, it has become the student portal through which one learns on-line, seeks assistance from facilitators, and communicates with peers in addition to obtaining examination support material and retrieving results. For this reason, the BIT programme has become the premier 'open' and affordable IT degree programme in Sri Lanka.

The success of the e-BIT can be attributed to the efforts of the e-Learning Centre of the UCSC through its research and development (R&D) activities. The curriculum was completely revamped taking into account a new online pedagogy based on a user-centric but collaborative learning model and the *constructive alignment* paradigm of learning. R&D work in setting up an appropriate Virtual Learning Environment resulted in the adoption and adaptation of the open source Moodle framework which was customized and localized to form Vidupiyasa – UCSC's "Virtual Campus". SCORM compatible online learning lessons were developed based on the redesigned curriculum, with Video lectures distributed using a local TV channel, CDs and the online portal. An e-Assessment system for *formative* as well as some *summative* testing has also been developed and deployed.

#### 4 AUTHOTIRIES

Authorities Concerned with the BIT Degree Programme is listed below.

- The Council of University of Colombo
- The Senate of University of Colombo
- The Board of Management of UCSC
- The Academic Syndicate of UCSC
- Board of Study of UCSC for External & Extension programmes
- Any other Board approved by the Senate of University of Colombo

#### 5 ADMISSION REQUIREMETNS

- a) (i) Three passes in the G.C.E. (A/L) examination; **OR**  
(ii) Pass theoretical components of Foundation in Information Technology (FIT) of the UCSC; **OR**

- (iii) Any other academic/professional qualifications deemed equivalent by the Senate of the University of Colombo AND Pass a \*selection test, which tests the analytical, quantitative and communication skills  
**AND**
- b) Age: Not less than 17 years as at 30<sup>th</sup> of September of the first Year of Registration.

**\*Selection test**

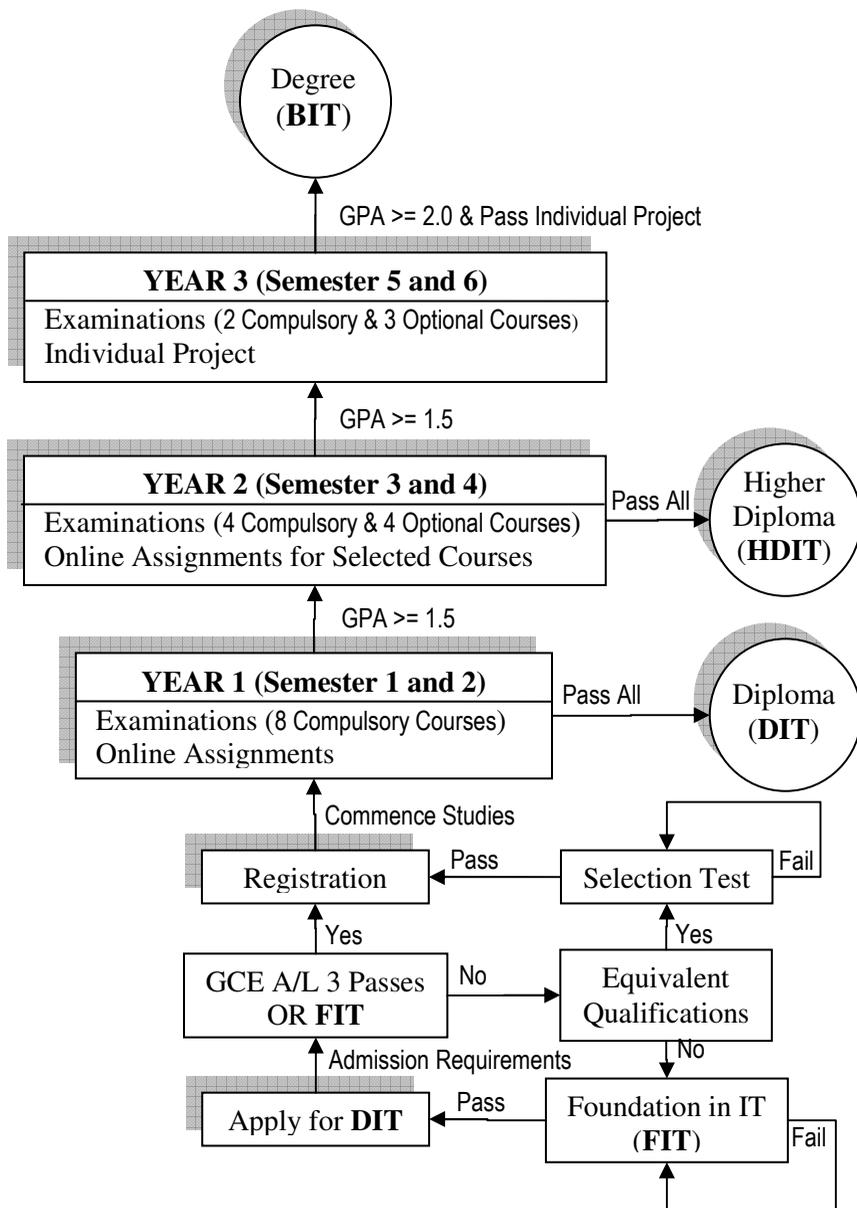
Medium – English; Duration of the test - 2 hours; Type of the test-Multiple choice questions.

**5.1 Selection Procedure**

Notices calling for the admission to the Diploma in IT of the BIT degree programme will be published in the press and the BIT website annually. In accordance with such notices, prescribed application forms should be completed online from the BIT website and forwarded to the External Degrees Centre (EDC) of the UCSC on payment of appropriate fees (see Section 11). Degree path is shown in Figure 1.

**6 REGISTRATION**

Students selected will be informed to register for the Year 1 of the BIT degree programme. Initially students will be granted only a provisional registration. Registration proper would be given only after the qualifications (e.g. G.C.E. (A/L)) are verified (e.g. by the Department of Examinations) or other equivalent qualifications are accepted by the University Authorities. Registration is valid for a period of one academic year. The students have to pay the registration fee annually to keep their registration valid and sit for examinations.



**Figure 1: Degree Path**

## 6.1 Documents Required for Provisional Registration

- a). Originals & Photo copies of the following:
- Birth Certificate
  - National ID card/ Valid Passport/Valid Postal ID
  - Educational certificates
    - 1) For Candidates who have three passes at the G.C.E. (A/L) examination:  
G.C.E. (A/L) Certificate
    - 2) For Candidates who have pass the Foundation in Information Technology (FIT) conducted by University of Colombo School of Computing:  
Letter from e-Leaning center of University of Colombo School of Computing
    - 3) For candidates having alternative qualifications:  
Documents issued by the institute/institutes giving the name, duration, the course content (syllabus) and the level of achievement obtained by the candidate of the study programmes that has been completed or the successful results of any examination the candidate has sat for and any certificates received

**AND**

- b). Original receipt of payment of Registration Fee for Year 1

**AND**

- c). **Three recent colour** photographs of Passport size (35x45 mm).  
Place your signature on the reverse of **two** photographs.

Paste the third photograph on a clean sheet of paper and have it attested by an \*authorized person. The signature and the seal of the authorizing person should be placed across the photograph so as not to cover the face of the candidate.

\*(Head or Retired Head of a Government/Director Managed approved school, Grama Niladhari of the Division, Justice of Peace, Commissioner of Oaths, Attorney at Law, Notary Public, Commissioned Officer of the armed forces, Staff Officer of Govt./ Corporation, the Chief Incumbent of a Buddhist Vihara, A religious Dignitary of standing of any other religion)

## **6.2 Registration Number**

A student is given a registration number at provisional registration. A provisional certificate of registration is given to a student until a BIT Identity Card is issued. All inquiries regarding any matter pertaining to the BIT degree programme must be accompanied by this registration number. In case you are unable to obtain provisional registration this year either due to a personal reason or you have not been able to acquire the necessary qualifications, the UCSC authorities will allow you to defer the provisional registration to the next academic year on a written request made with a payment of a Deferment fee (see Section 11).

Any requests made by a candidate to register for the BIT programme based on the previous year's selection test will be rejected unless he/she has requested for a deferment before the 30<sup>th</sup> September of that year.

## **6.3 BIT Identity Card**

The BIT Identity Card remains the property of the student until such time; the student obtains the Degree of Bachelor of Information Technology. Thereafter, the student should return it to the EDC of UCSC. If the BIT Identity Card is lost, a duplicate will be issued on payment. For payments refer (Section 11). An affidavit should be produced to obtain the duplicate. Students will not be allowed to sit an examination without the BIT Identity Card.

## **6.4 Cancellation of Registration**

Any student may at his request obtain cancellation of his student registration. In such an event the UCSC will retain 25% of the registration fee provided a written request is made within 30 days from the closing date of registration. No requests for cancellation will be entertained from students awaiting the results of an examination or pending disciplinary action in respect of any examination malpractice.

Registration of students who have been found to submit false documents would be cancelled and such documents would be forwarded to necessary authorities for investigation.

## 6.5 Renewal of Registration

All students are required to renew their registration within a prescribed period after the release of results of Year 1, Year 2 and Year 3 examinations. Payment vouchers and information about the registration fees are available in the BIT website. Use only these vouchers to make the necessary payment. No other mode of payment will be accepted. Already registered students need to renew their registrations before the 30<sup>th</sup> of September. Students will know whether they have to register/re-register for the next academic year depending on their examination results. A student has no right or claim to sit any examination after expiry of period of registration. Hence a student whose registration has lapsed must apply to the EDC for renewal of registration.

If a student who is already registered for the BIT programme wishes to postpone his registration he/she will have to inform the EDC in advance by letter. Such students will have to pay 50% of the intervening years' registration fees plus the registration fee for the year being renewed. If not informed, such students have to pay the full fee for all the years.

## 7 COURSE STRUCTURE

Candidate must select a minimum of 30 credits from each academic year including all compulsory courses. All eight courses in Year 1 (Table 2a) are compulsory with 4 credits each and each of them has online assessments. Four courses are offered in each semester of Year 1.

<b>YEAR 1 (From 2009/10)</b>		
(All Compulsory with continuous assessments)		
<b>Code</b>	<b>Name</b>	<b>Semester</b>
IT1104	Information Systems & Technology	1
IT1204	Computer Systems I	1
IT1304	PC Applications	1
IT1404	Internet & World Wide Web	1
IT2104	Mathematics for Computing I	2
IT2204	Programming I	2
IT2304	Database Systems I	2
IT2404	Systems Analysis & Design	2

**Table 2a: Year 1 Courses**

Four compulsory courses and six optional courses are offered in Year 2 (Table 2b) each with 4 credits and have online assessments. Two compulsory courses and three optional courses are offered in each semester of Year 2.

<b>YEAR 2 (From 2010/11)</b>			
(Select all 4 Compulsory (C) and 4 out of 6 Optional (O) courses)			
<b>Code</b>	<b>Name</b>	<b>Semester</b>	<b>Select</b>
IT3104	Object Oriented Analysis & Design	3	C
IT3204	Software Engineering	3	C
IT3304	Mathematics for Computing II	3	O
IT3404	Management Information Systems	3	O
IT3504	Web Development Techniques	3	O
IT4104	Programming II	4	C
IT4204	IT Project Management	4	C
IT4304	Rapid Application Development	4	O
IT4404	Multimedia Technologies	4	O
IT4504	Data Communication & Networks	4	O

**Table 2b: Year 2 Courses**

Three compulsory courses and five optional courses are offered in Year 3 (Table 2c) each with 4 credits except for the Individual Project which spans throughout the year with submission of online progress reports and has 12 credits. Two compulsory courses and two optional courses are offered in the 5th semester and the remaining in 6<sup>th</sup> semester of Year 3.

<b>YEAR 3 (From 2011/12)</b>			
(Select all 3 Compulsory (C) and 3 out of 5 Optional (O) courses)			
<b>Code</b>	<b>Name</b>	<b>Semester</b>	<b>Select</b>
IT5104	Professional Issues in IT	5	C
IT5204	Information Systems Security	5	C
IT5304	Computer Systems II	5	O
IT5404	Internet Application Development	5	O
IT6104	Individual Project	5 & 6	C
IT6204	Systems & Network Administration	6	O
IT6304	e-Business Applications	6	O
IT6404	Database Systems II	6	O

**Table 2c: Year 3 Courses**

## **8 EXAMINATIONS**

### **8.1 Medium**

Medium of Examinations is English.

### **8.2 Examination Dates**

Examinations will be held on a Semester basis, twice within an Academic Year, starting Mid-February and Mid-July respectively.

### **8.3 Applications to sit the examinations**

Applications for examinations will be entertained from prospective candidates who possess all the requisite qualifications. Refer examination criteria (see Section 8.4) for eligibility. Payment vouchers and examination application forms are available in the BIT website. Students are expected to download them from the website. Use only the vouchers in the website to make the necessary payment. No other mode of payment will be accepted.

In the event of any candidate applying for two different semester examinations in the same year, separate applications, payment vouchers and envelopes must be submitted in respect of each semester examination.

#### **Important**

**Examination Application may be rejected on the following grounds:**

- i) Not possessing all the requisite qualifications for the examination concerned
- ii) Not applying on prescribed forms
- iii) Not submitting the applications on or before the closing date of applications
- iv) Invalid Registration
- v) Non-payment of Registration and Examination fees
- vi) Pending inquiries

## **8.4 Examination Criteria**

The Board of Examiners may test any candidate by means of written / electronic / oral / practical examination or any other form of evaluation.

Each course (as set out in section 7 above) examination leading to the award of the Degree of Bachelor of Information Technology, carries a maximum mark of 100.

**A candidate shall not re-sit a course examination, for which he/she has already obtained a mark of 50% or more.**

The pass mark for course examination shall be 50%.

No repeat examinations will be held. In the case of a syllabus revision, candidates are requested to consult the Academic Coordinator of the BIT programme about the modules that need to be repeated. This information will also be published on the BIT website.

### **9.2.1 First Year Examination**

Each candidate shall sit during his First Year of study, number of courses (as specified in section 7 above), relating to semester 1 and semester 2 and be subjected to continuous assessment.

Any candidate who obtained a minimum GPA (Grade Point Average) of 1.5 at the First Year course examinations may proceed to and register for the Second Year.

### **9.2.2 Second Year Examination**

Each candidate shall sit during his Second Year of study, number of courses (as specified in section 7 above), relating to semester 3 and semester 4 and be subjected to continuous assessment.

Any candidate who obtained a minimum GPA (Grade Point Average) of 1.5 at the Second Year course examinations may proceed to and register for the Third Year.

### **9.2.3 Third Year Examination**

Each candidate shall sit during his Third Year of study, number of courses (as specified in section 7 above), relating to semester 5 and semester 6. The examination for the project shall consist of the project report and its defence.

### **8.5 Examination Admission Forms**

Before a minimum of one week prior to the commencement of the examination all eligible candidates to sit the relevant examination will be issued an admission form to that examination. In the event of a candidate not receiving such admission form he should inform the EDC of UCSC immediately.

### **8.6 Other Requirements**

Those candidates who are referred or re-referred must of necessity obtain a pass in the relevant of such course examination in accordance with examination criteria.

A candidate can appear for any course examination until either he obtains a pass in the course or completes the degree programme. However, a student shall not re-sit a course examination, for which he/she has already obtained a mark of 50% or more.

### **8.7 Examination Rules and Instructions to Candidates**

A candidate when sitting an examination must at all times have in his possession his admission form and his BIT Identity Card. In case the BIT Identity Card is not produced, when called for (at an examination), a student is liable to have his candidature cancelled. In the course of an examination, if by any chance the BIT Identity Card is lost, steps must be taken immediately to inform the Coordinator of such loss and have a duplicate procured.

All candidates will be issued a detailed instruction sheet along with the examination admission card.

**In the event an examination malpractice is proved the following punishments are meted out:**

- Cancellation of examination candidature
- Suspension/Cancellation of registration

- Debarring from sitting the examination for a stipulated period of time with or without a fine being imposed
- Any other punishment meted out by the Senate of the University of Colombo

**Some of these malpractices are:**

- Having on one's possession or near oneself notes, diagrams, articles etc. irrespective of its relevance to the examination.
- Removing from the examination hall stationery, tables, etc. supplied by the University
- Copying
- Impersonation
- Other forms of dishonesty and unruly behaviour
- Obtaining or attempting to obtain improper assistance or cheating or attempting to cheat
- Aiding and abetting the commission of any of these offences
- Non adherence to examination procedures/rules

## **8.8 Release of Results**

Results will be published in the BIT website at the end of an academic year.

## **8.9 Re-scrutiny of Answer Scripts**

Under no circumstances and for no reason what so ever will there be a re-scrutiny of answer scripts. UCSC will publish the model answers on the BIT website within two weeks of concluding the examination. Any queries regarding the model answers may be made within the specified period to the academic coordinator of BIT ([acc@bit.lk](mailto:acc@bit.lk)).

# **9 AWARD OF THE DEGREE**

## **9.1 Criteria for a Pass**

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

- (a) a minimum of 90 Credits with at least 30 Credits from each of the three years;
- (b) a minimum GPA of 2.00 in the three years;
- (c) a grade not inferior to a C for the third year Individual Project

If the candidate fails to obtain a mark of 50% or more at the Individual Project, he/she shall be required to re-submit the project report and/or re-appear for the defence as determined by the Board of Examiners.

A candidate who fails to satisfactorily complete the continuous assessment component in respect of each year may be required to repeat such component.

Each course examination and the project shall be graded according to the scheme given in Table 3.

Marks	Grade	Points Value
90-100	A+	4.25
80-89	A	4.00
75-79	A-	3.75
70-74	B+	3.25
65-69	B	3.00
60-64	B-	2.75
55-59	C+	2.25
50-54	C	2.00
45-49	C-	1.75
40-44	D+	1.25
30-39	D	1.00
20-29	D-	0.75
00-19	E	0.00

**Table 3:** Grading Scheme

The Grade Point Value (GPV) corresponding to the percentage score obtained by a student in respect of each such Course in the case shall be multiplied by its Credit Value and weighted across all Courses to obtain the Grade Point Average ( $GPA = \frac{\sum (GPV * Credits)}{\sum Credits}$ ) rounded to the second decimal place, of all the contributing Courses of the student. Such courses shall

satisfy the minimum 30 Credits per academic year as prescribed in section 7.

## 9.2 Award of Classes

In the case of a candidate who repeats any course examination, the percentage score to be taken into consideration in determining the award of class shall be limited to 50% for a course examination unless the Senate decides otherwise.

### 9.2.1 First Class

A candidate is eligible to be placed in the First Class if he/she has passed the Degree of Bachelor of Information Technology as set out in section 9.1 and has:

- (i) **First Class** – for obtaining a minimum overall GPA of 3.50; **AND**
- (ii) an “A” grade for the Individual Project.

### 9.2.2 Second Class (Upper Division)

A candidate is eligible to be placed in the Second Class (Upper Division) if he/she has passed the Degree of Bachelor of Information Technology as set out in section 9.1 and has:

- (i) **Second Class (Upper Division)** - for obtaining a minimum overall GPA of 3.25; **AND**
- (i) a minimum of an “A” or “B” grade for the Individual Project.

### 9.2.3 Second Class (Lower Division)

A candidate is eligible to be placed in the Second Class (Lower Division) if he/she has passed the Degree of Bachelor of Information Technology as set out in section 9.1 and has:

- (ii) **Second Class (Lower Division)** - for obtaining a minimum overall GPA of 3.00; **AND**
- (iii) a **minimum** of an “A” or “B” grade for the Individual Project.

## 10 CERTIFICATES

Examination transcripts and certificates are issued by the Examination Branch of the UCSC. It is located at the 4<sup>th</sup> Floor of UCSC, 35, Reid Avenue Colombo 07. Refer to Figure 2 for the location of the Examination Branch. You are advised to download the relevant forms from the web and apply through post by paying transcript and postal fees.

You will visit the examination branch only to apply for or collect transcripts. Contact person is the Assistant Registrar or officer in charge.



**Figure 2:** University of Colombo School of Computing (UCSC)

**Postal Address:**

Assistant Registrar Examinations of UCSC,  
35, Reid Avenue,  
Colombo 00700  
Sri Lanka

Tel: +94-11-2581245 Ext. 610/611

### **10.1 Transcripts**

The University shall publish the names of candidates who are eligible to be awarded the Degree of Bachelor of Information Technology. Each candidate, whether he/she has passed or not, shall be provided with a transcript giving details of the grades, GPV and GPA he/she had obtained and the final result including classes, if any, provided that, he/she makes an application for such transcript in the prescribed manner.

### **10.2 Degree Certificates**

Degree certificates will be issued to graduates after approval by the Senate of the University of Colombo, of results of the examination of the Degree of Bachelor of Information Technology - BIT.

### **10.2 Diplomas and Higher Diplomas**

A candidate who has obtained a minimum GPA of 2.0 for each course and has satisfactorily completed continuous assessment in the First Year and all courses as specified in section 7 shall be awarded a Diploma in Information Technology.

A candidate who has obtained a minimum GPA of 2.0 for each course and has satisfactorily completed continuous assessment and all courses as specified in section 7 in the Second Year and has obtained the Diploma in Information Technology shall be awarded a Higher Diploma in Information Technology.

### **10.3 Awards & Prizes**

**Prof. V.K. Samaranayake Medal for the best performance in the BIT programme**

This will be awarded at the BIT convocation for the candidate who has obtained the highest overall GPA from among the first or second classes.

### **Best Individual Project**

This will be awarded at the BIT convocation for the candidate who has obtained the highest mark from among the first or second classes.

### **Best e-Learner Award**

This will be awarded for the Diploma and/or Higher Diploma Awardees candidate(s) based on their performances at the VLE assessments and have taken part actively in the VLE forum discussions in each of the four semesters.

## **11 FEES & PAYMENT METHOD**

### **11.1 Programme Fees**

Programme fees for Sri Lankan Citizens (in Sri Lankan Rs.) are given in Table 4.

	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>TOTAL</b>
<b>Application Processing</b> (when applying)	<b>750</b>			<b>750</b>
<b>Annual Registration</b> (for new students)	<b>2,100</b>	<b>2,500</b>	<b>2,500</b>	<b>7,100</b>
<b>Course examination</b> (Each course)	800	900	1,000	
<b>Year Examination</b> (minimum)	<b>6,400</b>	<b>7,200</b>	<b>5,000</b>	<b>18,600</b>
<b>Project registration</b> (Proposal submission)			<b>1,000</b>	<b>1,000</b>
<b>Project evaluation</b> (dissertation submission)			<b>3,000</b>	<b>3,000</b>
<b>TOTAL</b> (minimum)	<b>9,250</b>	<b>9,700</b>	<b>11,500</b>	<b>30,450</b>

**Table 4:** Programme Fees for Sri Lankan Citizens

Fees in respect of referred and re-referred course/project examination(s) are same as above.

## 11.2 Miscellaneous Fees

Miscellaneous fees for Sri Lankan Citizens (in Sri Lankan Rs.) are given in Table 5.

Re-sit e-Selection Test	750
Deferment Fee	250
To obtain a duplicate BIT Identity Card	250
Academic Transcript with Grades	500
Academic Transcript with Grades & Marks (Sent only to Foreign Institutions named by the student)	750
Postage Fee (registered) to send transcripts to Applicant	40
Postage Fee (registered) to send transcripts to Foreign Institutions	175
Certificate for Diploma and Higher Diploma in Information Technology	500 each
Degree Certificate	2,000
Resubmission of Final Report (major corrections)	1,000

**Table 5:** Miscellaneous fees for Sri Lankan Citizens

- NB**
1. All payments can be made to any People’s bank branch on prescribed vouchers that can be downloaded from the BIT website (Please use all 4 copies of the voucher).
  2. Cash/Money Orders/Postal Orders will **not** be accepted
  3. All fees are subject to revision.

## 11.3 Fees & Payment Method for Foreign Nationals

Fees & payment methods for foreign national are available on request from the External Degrees Centre (EDC) of UCSC.

## 12 TRAINING INSTITUTES

Many training institutes have offered face to face classes and learning support for the BIT candidates. Over 200 institutes have participated in this process with around 50 institutions in some academic years. UCSC do not accredit any of these institutions but have recognised their contributions for the success of the programme. Each year UCSC publish the summary of examination results for each course by institute so that the candidates can identify the available institutions and plan their learning mode.

More than half the candidates study on their own with the help of the VLE and online/recommended material. In 2007/08 20 institutions from 9 districts conducted training for five or more candidates. Among them 05 institutions were involved in all three years (marked \* in Table 6).

<p><b>ANURADHAPURA</b>                  OPENARC SCHOOL OF BUSINESS AND TECHNOLOGY, 522D                  Maithreepala Senanayaka Mawatha, Anuradhapura</p>
<p><b>COLOMBO</b>                  *BASE 2 SCHOOL OF COMPUTING, 110, Maya Av., Col. 06                  *ESOFT COMPUTER STUDIES, 158F 1/1, Galle Rd., Col. 04                  *FOUNDATION OF IT PROFESSIONALS, Col. 08                  *FOUNDATION OF IT PROFESSIONALS, 64/1, Jambugasmulla Rd., Nugegoda                  *FOUNDATION OF IT PROFESSIONALS, Malabe Rd., Moraketiya, Pannipitiya                  *MATRIX INSTITUTE OF IT, 279/3 Galle Rd., Col. 04                  *OPENARC COMPUTER SCHOOL, 377/B, High level Rd., Nugegoda                  *PATHE ACADEMY, 37, School Lane, Col. 03</p>
<p><b>GALLE</b>                  *ADVANCED TECHNICAL INSTITUTE, Akmeemana                  *THE GOLDEN KEY INSTITUTE OF COMPUTER TECHNOLOGY, 58/4, Wakwella Rd., Galle</p>
<p><b>GAMPAHA</b>                  *EARTH INTERNATIONAL, 432, Colombo Rd., Gampaha                  *IAYR FOUNDATION, 39/1A, Kandy Rd., Yakkala</p>
<p><b>JAFFNA</b>                  *MOBILE@NET COMPUTER SERVICES (MCS), Jaffna</p>
<p><b>KANDY</b>                  *ESOFT COMPUTER STUDIES, 23, Suduhumpola Rd., Kandy                  *VISION INSTITUTE OF IT, 678/7, Peradeniya Rd., Kandy</p>
<p><b>KEGALLE</b>                  *INSTITUTE OF COMPUTER STUDIES, 90, Kandy Rd., Karandupone, Kegalle</p>
<p><b>KURUNEGALA</b>                  *ESOFT COMPUTER STUDIES, 76/3, Negombo Rd., Kurunegala</p>
<p><b>MATARA</b>                  *ESOFT COMPUTER STUDIES, 32B 1/1 Dharmapala Mw., Matara                  *IDM COMPUTER STUDIES, 5B Hakmana Rd., Matara</p>

**Table 6:** 2007/08 Training Institutes

## 13 CONTACT

### 13.1 External Degrees Centre

EDC is located at 221/2A Dharmapala Mawatha, Colombo 07. Refer Figure 3 for the location of the BIT office.



**Figure 3:** External Degrees Centre (EDC) of UCSC

**Postal Address:**

Coordinator,  
External Degrees Centre of UCSC,  
221/2A, Dharmapala Mawatha,  
Colombo 00700  
Sri Lanka

Tel: +94-11-4720511; Fax: +94-11-2682331

**BIT Web Site:** <http://www.bit.lk>

## 13.2 Staff

Following Staff are directly connected with the BIT programme. However, you may directly communicate only with those listed with email or telephone and it should be for appropriate purpose.

**Director of UCSC** (Head of the Institution)

Dr. Ruvan Weerasinghe

**Coordinator EDC** (All correspondence)

Mrs. Shalika Ariyaratne (Tel. (+94) 011-4720511)

**Academic Coordinator of BIT** (Academic matters only)

Dr. Gihan Wikramanayake (email: [acc@bit.lk](mailto:acc@bit.lk))

### **Programme Coordinators**

Mr. L.P. Jayasinghe (Year 1), Mr. G.P. Seneviratne (Year 2) and  
Dr. H.A. Caldera (Year 3)

**Coordinator e-Learning Centre** (Head VLE)

Dr. K.P. Hewagamage (email: [elc@ucsc.cmb.ac.lk](mailto:elc@ucsc.cmb.ac.lk))

**Web Master** ([www.bit.lk](http://www.bit.lk) web site)

Ms. Enosha Hettiarachchi (email: [web@bit.lk](mailto:web@bit.lk))

**e-Testing Administrator** (Online Examinations)

Mr. G.S. Hettiarachchi (Tel. 011-2694391; 011-2158949)

**VLE Administrator** (Access to VLE)

Mr. F.R.M. Mahroof (email: [admin@lms.bit.lk](mailto:admin@lms.bit.lk); Tel. 011-2158948)

**VLE Facilitator** (VLE Content) - Tel. 011-2158948

**Note:** While all necessary information pertaining to students reading for the BIT degree is included in this handbook, the UCSC of the University of Colombo reserves the right to revise such information without prior notice.