

Preamble

The University of Colombo School of Computing (UCSC) completed its first 5 years as a financially autonomous, academically integrated centre of higher learning within the University of Colombo during 2007. The two institutions which merged to form the UCSC, the Department of Computer Science and the Institute of Computer Technology were established in 1985 and 1987 respectively.

The year 2007 will be most remembered for the sad demise of the founder of the UCSC, the Father of IT in Sri Lanka, and the person who with great foresight introduced Computing to the University of Colombo as way back as in 1967, Vidya Jyothi Emeritus Prof. V. K. Samaranayake. After active service to the UCSC even after his retirement in 2004, Prof. Samaranayake passed away on 7th June 2007 while on a mission to evaluate ICT projects for Swedish Sida in Stockholm. The UCSC however organized a Felicitation Ceremony in his honour just prior to his demise to coincide with the publishing of the book "Partners in Progress" documenting his life and work – a truly fitting and timely tribute to a great visionary.

The new intake of 240 students in August 2007 brought the total number of undergraduates at the UCSC to 760, apart from which staff of the UCSC teach several hundred Faculty of Science undergraduates. The Computer Science 4th year was fully subscribed this year with 40 students opting to remain for a research year at the UCSC instead of joining the industry. This year also saw the first ever 3rd year batch for the BICT programme. The Professional Development Centre of the UCSC had the difficult task of placing 240 third-year students in industry for their placement requirement, which it did successfully.

During the year, the very first 4 year Bachelor of Science in Computer Science batch of 13 graduated together with their junior 3 year degree Bachelor of Computer Science batch. Many of them were absorbed immediately upon completion into the best Software Development companies in Sri Lanka. All internal degree courses at the UCSC are now offered in *blended mode* through a Virtual Learning Environment based on the open source Learning Management System, Moodle. This work is facilitated through the work of the eLearning Centre which is supported by the Sida funded National eLearning Centre (NeLC) project.

During 2007, the students also concluded a very successful IT Quiz programme for schools in the country. The final round of competition was broadcast on National Television with the undergraduates

accomplishing something never attempted before and coming out with flying colours. Their efforts were especially commendable since they were interwoven within their normal undergraduate study programme. This was a graphic demonstration to the public, and especially to the schools, that undergraduates can contribute actively to the national good rather than resorting to strikes and even just books.

In 2007, a team of innovative BICT undergraduate freshers also demonstrated that they can think *out of the box* by taking part in the Short Film category of the Microsoft Imagine Cup, earning their place in the World Finals held in South Korea. It is commendable that they were placed within the top 6 teams globally at this event with their armature but high quality original production on a 'shoe string' budget.

2007 also saw the re-launch of the re-designed 2-year part-time masters programmes of the UCSC: the Master of Computer Science programme for those with a first degree in Computer Science (MCS), and the Master of Information Technology (MIT) for those with degrees in other disciplines. From the many hundreds who applied, a batch of 125 were selected of which some 50+ offered the MCS with some 70+ opting for the MIT. The UCSC also advertised its MPhil and PhD programmes in conjunction with the masters programmes and several applications were received with a few being offered places and funding.

Arguably the most visible exposure the UCSC had during the year came in the form of the e-BIT Launch of the 25th of May. Funded by the Sida supported NeLC project, this event attracted two Vice Chancellors, several academics from other universities and several leaders from the IT industry of Sri Lanka. In addition to this, the eLearning Centre, through the NeLC project, also conducted training of university staff and school teachers in Online learning technology through the year. As part of the 3rd cycle of the BIT degree programme, the e-BIT brought online degree programmes to Sri Lanka for the first time during the Academic Year commencing in October 2006. A significant improvement in the overall performance of students of the BIT programme was recorded and attributed to the enhanced learning provided by the online material provided through the e-BIT initiative.

Also during the year, the ADMTC conducted the 2nd six-week Third Country Training Programme (TCTP) funded by JICA to train 16 international participants from countries in Africa and Asia in eLearning Technology. In addition to this, two four-week In-Country Training Programmes (ICTP) in eLearning were also carried out for participants from Sri Lanka –

one non-residential for those in the Western Province and the other a residential programme for those from other Provinces.

During 2007, the UCSC's Language Technology Research Laboratory was successful in being awarded a 3 year research grant as a follow up to its previous work in Sinhala language technology research and development. This work will be done in collaboration with 9 other countries of the South and East Asian region under the IDRC funded PAN Localization Project.

The UCSC's consulting continued through the Computing Services Centre (CSC) which conducted training and software development throughout the year. Apart from the Intermediate and Advanced Java courses offered to the industry through the CSC, other courses such as PC Application Packages, AutoCAD, Linux User and Administration continued. Several customized courses too were carried out during the year for state and private sector clients. Software Development and other IT Consulting also was healthy during the year with several Public Sector

Computerization projects through the ICT Agency of Sri Lanka were supervised or directly developed by the UCSC's Software Development Unit. One of the key public clients during the year was the Western Provincial Council whose many departments are being fashioned for e-Government.

In response to the enactment of the Computer Crimes bill in Sri Lanka, the UCSC also took steps to form a Digital Forensics Centre as its 6th Centre during 2007. Much of the initial work and approvals have already been completed, and the centre is expected to be officially inaugurated in 2008.

During 2007, one of the long standing action items since 2006, that of restructuring the Consultancy arm of the UCSC as a separate business unit, came to fruition. The company 'Theekshana' was formed with its own Council of Management made up of ex-officio and elected members, with much support and encouragement from UCSC's Board of Management.

PART I

1.1 Introduction

This report of the University of Colombo School of Computing (UCSC) covers the period from 1st January, 2007 to 31st December, 2007.

The University of Colombo School of Computing (UCSC) was established on 1st September, 2002 by merging the Institute of Computer Technology (ICT) and the Department of Computer Science (DCS), both of the University of Colombo, by an Order made under Section 24 A (1) of the Universities Act No. 16 of 1978 as last amended by Universities (Amendment) Act No. 1 of 1995, as a Centre of Higher Learning for the purpose of providing, promoting and developing higher education in Computer Science, Information and Communication Technology. It is a Higher Educational Institution within the meaning of the Act.

1.2 Institutional Development

The three departments and five Centres, established under the provisions of the UCSC Ordinance, No. 01 of 2002 continued to plan and execute their programmes of activities for the current year too. In addition we established the Centre for Digital Forensic during the year.

1.3 Authorities of the School

The Authorities of the School are the :

- (i) Board of Management
- (ii) Academic Syndicate
- (iii) Boards of Study
- (iv) Departments of Study
- (v) Centres

PART II

2.1 Board of Management

The Director, UCSC served as the Chairman of the Board of Management. 12 monthly meetings and 03 Special Meetings of the Board of Management were held during the year. The composition of the Board of Management is given in [Annex I](#).

Two mutually exclusive Sub-Committees, the Finance & Management Committee and the Audit Committee assisted the Board of Management by meeting on and during the year respectively. Their composition is given in [Annex I](#).

2.2 Academic Syndicate

11 (Eleven) meetings of the Academic Syndicate were held during the year. The composition of the Academic Syndicate is given in [Annex I](#).

2.3 Boards of Study

The following three Boards of Study established under the Ordinance continued to function during the year :-

- Research and Higher Degrees
- Internal Undergraduate Degrees, and
- External and Extension Programmes

Their composition is given in [Annex II](#).

2.4 Departments of Study

Following are the three departments of study established under the Ordinance:-

- Information Systems Engineering
- Computation and Intelligent Systems
- Communication and Media Technologies

Academic & Academic Support staff attached to the departments are listed in [Annex III](#).

2.5 Centres

Following are the five centres established under the Ordinance:-

- Advanced Digital Media Technology
- e-Learning
- External Degrees
- Computing Services
- Professional Development

The names of Co-ordinators of these centers are given in sub para 6.1.4.

PART III

3.1 Officers of the UCSC

The Director : Dr A R Weerasinghe
The Deputy Director : Dr G N Wikramanayake

PART IV

4. Staff

4.1 International Academic Advisory Committee

The composition of the International Academic Advisory Committee continued to be the same and is given in [Annex III](#).

4.2 Academic

The Academic and Academic Support staff attached to the UCSC during the year are listed in [Annex IV](#).

4.3 Administrative & Administrative Support

The Administrative and Administrative Support staff of UCSC during the year is listed in [Annex V](#).

PART V

5.1 Resources

Library

During the year 2007 we added 427 (35 donated, 392 purchased) books to the collection, making the total 8902. (with 6249 lending books and 2299 permanent reference books). In addition 76 Master of Science Dissertations were added to the library collection.

In the year 2007 a total of 384 students joined the UCSC library.

Degree Program	No. of Students
Undergraduate Computer Science (UCSC)	151
Undergraduate Information and Communication Technology (UCSC)	79
Joint Honors – 3 rd Year (Faculty of Science)	32
Master of Computer Science	55
Master of Information Technology	67
Total	384

Due to the conflicts of the outsourced security system, a new security plan was introduced. And according to this plan UCSC recruited a new daily paid worker solely for the library security purposes. Apart from this a new Library Attendant was recruited in the early 2007.

In the latter part of the year the photocopy service was outsourced and with the help of a digital copier, the service is now running smoothly.

Furthermore to accommodate the growing number of books new shelves were purchased and now it makes much easier for students to find a book.

Professor V K Samaranayake Auditorium

This was used extensively for routine lectures owing to increased undergraduate intake. In addition the auditorium was offered for UCSC and UoC student activities during the year and public lectures/activities by several organizations.

Studio

An advanced Digital Studio equipped with state of the art digital equipment is available for recording and editing of digital video. It was used for producing BIT educational programmes of the UCSC and the Nenapiyasa programmes of the ICTA during the year.

Computer Museum

This is the first ever Computer Museum in Sri Lanka and was established under the Institute of Computer Technology on 20th June 2002.

The following artifacts can be viewed at the Museum.

- Mechanical Calculator
- Electro Calculator
- Electronic Calculator
- 1st IBM PC XT
- BBC Micro Computer
- Data General S140
- Unisys 5000
- Punch Card Micro Computers
- Mini to Micro Frame Computers

PART VI

6. Academic Programmes, Examinations and Related Activities

6.1 Academic Programmes

6.1.1 Undergraduate Courses (Internal)

UCSC continued to offer the two-degree programmes, the Bachelor of Computer Science and the Bachelor of Information and Communication Technology in the year 2007. These two degree programmes are formulated to focus on two different market segments in the IT industry.

The Bachelor of Computer Science (BCSc) and the **Bachelor of Science in Computer Science (BSc (Computer Science))** degrees are designed to cater to the high demand for IT, IS and Computer Science professionals worldwide. The Bachelor of Computer Science (BCSc) Degree programme is a three year programme whereas the Degree of Bachelor of Science in Computer Science (BSc (Computer Science)) is a four year programme.

The Information and Communication Technology Programme is designed to produce a new kind of IT professional to fill the gap between business requirements and technical solutions. The BICT degree Programme was designed to produce this new breed of ICT professionals. The curriculum of this programme also emphasizes the importance of soft skills such as communication and teamwork. The three-year degree is named the **Bachelor of Information and Communication Technology (BICT)**, while the four-year degree is named the **Bachelor of Science in Information and Communication Technology (BSc (ICT))**.

The University of Colombo School of Computing admitted a batch of 160 students for the Degree in Computer Science Programme while 80 students were admitted for the Degree in Information and Communication Technology Programme for the year 2007.

At the end of 2007 the total number of registered students at the UCSC stands at 584 This breakdown is listed below.

Year of Intake	2004	2005	2006	2007	Total
Degree Programme					
Computer Science	116	154	157	160	587
Information & Communication Technology	-	75	77	79	231
Total	116	229	234	239	584

Forty One (41) students registered for the four-year Degree of Bachelor of Science in Computer Science [BSc (Computer Science)]. The low enrolment of students for the four year degree is due to the high demand of UCSC Computer Science Graduates in the Industry. It was observed that most of the students were recruited by reputed firms in the IT industry on lucrative contracts even before they finished their 3rd year industrial placements.

Financial Assistance

Financial assistance was given to students in the form of Bursaries and Mahapola Scholarships as in the previous years.

Mahapola Scholarships

The Mahapola scholarships sponsored by the Mahapola Trust Fund of the Ministry of Commerce & Consumer Affairs were awarded to 322 students. The value of Merit and Ordinary scholarships were Rs 2550/= and Rs 2500/= respectively.

Year of Intake	Year of Study	No. of Registered Students	Mahapola Scholarship Awardees	Awardees as a percentage
2007	1 st year	239	100	41.84%
2006	2 nd year	230	116	50.43%
2005	3 rd year	225	137	60.89%
2004	4 th year	41	17	41.46%

Bursaries

Bursaries were awarded in accordance with UGC Circular No. 856, which governs the selection of students for bursaries. The break down of the Bursary recipients for the year 2007 is depicted in the following table. The value of a full bursary and a half bursary were Rs 2000/= and 1900/= respectively.

Year of Intake	Year of Study	Total Number of registered students	Total No: Bursary Recipients	Recipient as a % of total registered student
2007	1 st year	239	30	12.55%
2006	2 nd year	230	100	43.48%
2005	3 rd year	225	82	36.44%
2004	4 th year	41	17	41.46%

Shorea Robusta Scholarship

A Special scholarship named "Shorea Rubusta" scholarship was introduced in 2007 in respect of 4th year undergraduate students. One scholarship is granted under this scheme and the value of the Scholarship would be Rs. 2000/= per month for 10 months of the Academic year. Selection is based on the academic performance and financial needs.

UCSC Student Union

In terms of the Sub-Paras 25 and 26 of the University of Colombo School of Computing Ordinance No. 01 of 2002, Student Union election was held on 13th September 2007 and following office bearers were elected uncontested for the year 2007.

President	Mr J K Dilunika
Vice President	Mr S .A S C Subasinghe
Secretary	Mr T H M S U S Herath
Editor	Miss D P R T Fernando
Junior Treasurer	Mr G H P P Jayarathne

Dr D D Karunaratne was appointed as the Senior Treasurer for the year 2007 for the fourth consecutive year.

Hostels

The University of Colombo School of Computing provides residential facilities for the 1st and 3rd year undergraduate students in keeping with the policy adopted by the University of Colombo. All hostel premises of the UCSC are rented and leased for this purpose. During the latter part of the year 2007, the boys hostel which was situated at Dehiwala was moved to Nugegoda.

Location	Type of the Hostel	Total No: Residential students
Kirulapphone	Boys' Hostel (First Year students)	40
Nugegoda	Boys' Hostel (Final Year Students)	30
Borella	Girls' Hostel (First/Final Year students)	30

Sports Activities

Students of the University of Colombo School of Computing participated in the following International Events.

Name of the student	Registration No.	Event	Country
Mr H R E Samarasinghe	2006/ICT/056	Athletics	World University Games – 2007, Bangkok 07 th August 2007-21 st August 2007
Mr A S Ariyawansa	2005/ICT/003	Table Tennis	World University Games – 2007, Bangkok 07 th August 2007-21 st August 2007

6.1.2 Undergraduate (External)

Degree of Bachelor of Information Technology (External)

The BIT programme initiated in the year 2000, leads to a Certificate in Information Technology in the first year, an Advanced Certificate in the second year and a Degree (Bachelor of Information Technology) in the third year.

From year 2007 it changed as Diploma in Information Technology in the first year, Higher Diploma in the second year and a Degree for the third year. The coaching for the programme is provided by Computer Training Institutes of the private sector. In order to assist students and teachers, course objectives, detailed syllabi, model questions and answers, past question papers and answers are published on the BIT web site (www.bit.lk). Prescribed text books were made available through the public libraries in Colombo, Galle, Kandy, Jaffna, Kurunegala, Badulla and Anuradhapura. The weekly television programme "Forum for BIT" on TV Lanka continued to give additional support to the students. A seminar on the final year project was held to guide the students on how to proceed with their final year project.

The Second revision of the BIT curriculum was introduced in 2006. In addition to the existing continuous assessments through the web, Interactive e-Learning content was introduced for year 1 through the BIT Learning Management System (LMS). A new LMS running Moodle was set up for this purpose. The LMS provides better learning facilities to students and also promotes peer learning.

A computer-based selection test (e-test) was introduced in the academic year 2007/2008. e-test is administered once a month at the testing centre maintained at the external degrees center. The e-learning center of UCSC maintains the center & administer the test. 542 candidates have sat for the e-test so far. 281 of these candidates passed the test and 193 of them registered for the academic year 2007/2008 bringing the total number of new students enrolled to 1239.

528 candidates qualified for the award of Diploma in Information Technology. An award ceremony was held in Colombo on 4th December 2007 for award the Diplomas with His Grace The Most Rt. Rev. Dr. Oswald Gomis, Archbishop of Colombo, Chancellor, University of Colombo presiding at this ceremony. 13 Sri Lankan candidates in Dubai too qualified for the award of the Diploma and they had an award ceremony in Dubai with the Consul General for Dubai & Northern Emirates participating in it.

6.1.3 Postgraduate Courses

Masters in CS/IT

The UCSC recommenced its newly revamped Masters Degree Courses in Computer Science and Information Technology after a break of

nearly 3 years. Master of Computer Science is intended for those with a Bachelors Degree or equivalent in Computing and the Master of Information Technology for those graduates and practitioners in other disciplines. Both are two year part time degree courses.

The above courses commenced on 7th September 2007, with a total intake of 131 students. Courses have been modularised with easy options for accumulating the required number of credits. Both courses are supported by the widely experienced UCSC academic staff and industry personnel.

M.Phil Degree Programme

Two students registered during 2007 for the M.Phil degree programme (01 part time candidate and 01 full time candidate). Research Areas selected by the students were:

Ontologies
Computer Graphics

6.1.4 Other Academic Programmes

(a) **Advanced Digital Media Technology Centre**



Introduction

The Advanced Digital Media Technology Centre (ADMTC) was established under the University of Colombo School of Computing (UCSC) in order to implement the "Project for Human Resource Development in Information Technology through Capacity Building of UCSC" that was supported by the Japan International Cooperation Agency (JICA) as a three year Technical Cooperation Project between the Government of Sri Lanka and the Government of Japan from June 2002 to May 2005. This project had three major components.

- The establishment of Multimedia Laboratories, digital studio, and network capability to handle multimedia content.
- The training of trainers and content developers for web based training.
- Strengthening the Research and Development capabilities.

Subsequently in September 2005, JICA and UCSC agreed to co-operate with each other in organizing training programmes in the field of e-learning. We have agreed to conduct 10 In Country Training Programmes and 5 Third Country Training Programmes with the help of JICA. 2 In-Country Training Programmes and 01 Third Country Training Programme were conducted successfully during the year 2007. The purpose of these courses is to provide the participants from Asian and African countries including Sri Lanka an opportunity to improve their knowledge and skills in the field of e-learning.

Facilities at the ADMTC

The facilities of the ADMTC consist of 2 technologically enhanced teaching laboratories / Classrooms, a Development Lab, a Digital Studio with non linear editing equipment, a high speed data link with a Giga bit fibre backbone and a server room equipped with

high-end servers. A wide range of software is installed on computers and servers.

ADMTC supported activities

Recordings related to the Governments 'Nenasala Programme' are done using the ADMTC's Digital studio. The Nenasala Project is one of the projects implemented under the e-Sri Lanka Initiative. Formally known as the "Vishva Gnana Kendra Project (Nenasala)", ICTA has incorporated it under the "Nenasala" label to introduce several models of the telecentres or knowledge centres to be established in all parts of Sri-Lanka to spread ICT services to the rural and semi-urban population.

- ADMTC conducts the following training programmes targeted for people in the industry.
 - Digital Video Production and Animation
 - Advanced Multimedia Web Design and Development Techniques
 - Dynamic Web Development with PHP and MySql
 - Digital Video Production and Animation
 - 3D Modeling and Animation
 - Graphics Design and Creativity Development
- ADMTC staff and facilities are used for the e-BIT project coordinated by the e-learning centre of the UCSC. e-BIT is a project funded by European Union (EU) Asia Link Programme to develop a net based learning and evaluation platform to offer BIT external degree programme as a fully fledged distance learning programme using e-learning technologies.
- Multimedia Courses for undergraduate students are conducted using ADMTC lecture halls and laboratories.

Securing Information Systems	14
Hardware Training Program for Teacher Trainers	42
Total	605

Consultancy services were provided to the following clients through the CSC during the year 2007:

Project Name	Project Description
Western Province Provincial Road Passenger Transport Authority	Designed & Implemented Computer Base Information System
Government Information Department	Implemented Video Streamer and Pod casting for www.news.lk
Ministry of Health Indigenous Medicine Social Welfare Probation and Child Care and Council Affairs – Western Province	Designed & Implemented Pharmaceutical Distribution system
Western Provincial Council	Designed & Implementing Management Information System
Government Information Department	Designed & Implemented Customized POS system for Publication Bureau
Ministry of Foreign Affairs	Designed & Implemented MIS for the Protocol Division
Ministry of Livestock Development	Designed & Implemented Website of www.livestock.gov.lk
Ministry of Livestock Development	Designed & Implemented Database for recoding information on Artificial Insemination
Women's Empowerment	Designed & Implemented the database
Family Health Bureau	Designed & Implemented the database
Ministry of Foreign Affairs	Maintained the Network of the Ministry
Plantation Human Development Truест	Designed & Implemented Website of www.phdt.org

(b) Computing Services Centre



The CSC, which is the Consultancy arm of the UCSC provides Consultancy Services to the IT industry and related industries and conduct training programmes using the human and material resources of the UCSC of the University of Colombo.

The following specialized courses were conducted by the CSC.

Name of the Programme	No. of Participants
PC Applications	181
JAVA Application Development	188
Computer Aided Drafting Using AutoCAD	58
Upgrading and Maintenance of Personal Computer Systems	37
Unix Linux Fundamentals, Network & Systems Administration	85

(c) e-Learning Centre



Background

The e-Learning Centre was established in 2002 at the University of Colombo School of Computing to provide e-learning Service to both internal and external degree programs of the UCSC. Bachelor of Information Technology, the external degree program of the UCSC was supported by e-learning Center from 2003 using learning management facilities. This work was started as a collaborative project with Swedish partner organization, Department of Computer and Systems Sciences (DSV), Stockholm University. The project is financed by the Sida (Swedish International Development Agency) and it was conducted as a pilot project to identify the applicability of e-learning. As a result of this pilot project, it was decided to extend the project life to strengthen the e-learning initiatives of the UCSC and to extend e-learning consultancy and

services to other universities and the whole nation. National e-Learning Centre (NeLC) Project was started in 2006 to achieve this objective. In addition to NeLC project, e-Learning Centre has started two more projects, Asia eBIT and Pandora Pan Asia project to strengthen its e-Learning service and research and development activities.

Asia eBIT was a project that was started in the last quarter of 2005 to improve the quality of BIT program through e-learning services and it was funded by the European Union. It is a three year project which has two foreign partners Department of Computer and Systems Sciences (DSV), KTH, Stockholm University in Sweden and Delft Technology University in Netherlands.

The Asia eBIT project will develop a model for net-based learning, as well as will improve and implement a 3-year external Bachelor of Information Technology Programme (BIT) in order to offer it as a fully fledged distant learning program. However this largely depends on the infrastructure of e-learning at UCSC, which has been set up by the NeLC project.

Current Operations

The activities undertaken during the period of 2007 can be summarized are as follows:

- In May 2007, e-BIT program was officially launched in the presence of large number of Academics, Government and Industry representatives. This event gave a wide publicity to the e-BIT program as well as the UCSC.
- Under the Aisa eBIT project, e-Learning courses were developed for Semester 2 and Semester 3 courses.
- Due to e-Learning project for BIT degree program, the pass rate of BIT first year has gone up three times.
- The virtual learning environments developed and maintained by e-Learning centers are further developed and integrated under the concept of "UCSC Virtual Campus" and it is named as "Vidupiyasa". <http://lms.bit.lk>. Similar template is used for all virtual learning environments.
- UCSC virtual learning environment now depends on the Moodle LMS which is an open source project. Staff of eLC also have contributed by developing and publishing modules for Moodle LMS. Details are given at <http://dev.lms.bit.lk/moodle>
- Localization of Moodle LMS for Sinhala and Tamil languages are completed and published among moodle community using NeLC resources.
- virtual learning environments depending on the type of program. Study program and approximated students in the group.
 - VLE for Internal Undergraduate programs: <http://lms.ucsc.cmb.ac.lk/> [more than 1200 students]
 - VLE for BIT Degree Program: <http://www.bit.lk/lms> [more than 4000 students]
 - VLE for Postgraduate Study Programs.

<https://lms.ucsc.cmb.ac.lk/pg> [more than 200 students]

- VLE for FIT study program <http://fit.bit.lk/lms> [more than 250 learners]
- The national portal for e-Learning started at <http://www.e-learning.lk> to disseminate knowledge and information with respect to e-Learning.
- e-Testing service is started by setting up e-Testing lab at the external degree centre. The fully equipped e-Testing lab now conducts e-Testing for BIT selection. More than 1000 students have taken this test.
- FIT (Foundation in Information Technology) program is designed as a pre-BIT program to improve intake students quality of BIT and to provide alternative qualification for the BIT program. Details of the program are given at <http://fit.bit.lk> The program is now known as "FIT for BIT".
- Research and development work of eLC is published in several International conferences and Journals.

Donor Support

The main sponsor and donor for e-Learning activities in UCSC is Sida during 2007 under National e-Learning Centre (NeLC) project.

e-BIT project is also partially funded by the European Commission specially covering European experts expenses' on the traveling to Sri Lanka, curriculum development, training and evaluation activities of BIT program. Only 15% of the budget is allocated to local activities at UCSC.

The logical framework of NeLC project is slightly revised based on the experience conducted during last year 2006. The revised LFA is attached below.

- Develop interactive e-learning courses for IT based graduate courses.
- Start a postgraduate program in e-Learning.
- Establish e-learning portal for Sri Lanka.
- Expand the facilities at e-Learning Centre to provide better service.
- Provide training to other universities and groups which are interested in e-learning.

Workshops/Seminars

Several workshops and seminars are conducted during the year 2006 to promote e-learning among University Staff and other groups which are interested in e-learning.

- We have conducted several workshops to improve the curriculum for external and internal degree programs.
- Several guess seminars are conducted by visiting researchers in e-learning.
- e-Facilitation program is started as an alternative way to support students.
- LMS Administration course is conducted two times during the year.
- Several Instructional Design workshops are conducted to provide the development of e-learning materials.

- Special seminars were conducted to several visitors to give an overview of e-learning technologies and the infrastructure at the e-Learning Centre.

(d) **External Degrees Centre (EDC)**



The EDC handles all activities connected with conducting the Degree of Bachelor of Information Technology (External) programme provisionally in managing all logistics pertaining to the operations of the programme. see sub para 6.1.2 for further details.

(e) **Professional Development Centre**



The Professional Development Centre (PDC) is an entity within the University of Colombo School of Computing (UCSC). The mission of the PDC is to produce graduates having extra curricular skills such as professional skills, business skills, communication skills, community service skills, innovative capacity and entrepreneurship to pursue successful careers thereby contributing to the socio-economic development of Sri Lanka.

The PDC was setup for keeping a close liaison with the IT industry and for improvement of the academic programmes through industry partnership thereby enhancing the quality of the undergraduates. The programmes conducted by PDC primarily concentrate on the following aspects:

- Improving professional skills of the students by organizing invited talks and public lectures and conducting workshops.
- Industrial placements of Bachelor of Computer Science (BCSc) and Bachelor of Information and Communication Technology (BICT) undergraduates.
- Industrial visits for BICT 2nd year students.

The PDC serves as the primary provider of Industrial Training for undergraduate students from both BCSc and BICT degree programmes. The undergraduates are placed on internships during their third year second semester at the UCSC for a period of 6 months.

Industrial Training is an integral part of the two Degree Programmes conducted by the UCSC. This enables us to provide the much needed industry exposure for the undergraduates, which is an essential part in Computer Science and ICT education to produce quality graduates meeting the Industry standards.

Last year, more than 45 companies have joined the PDC providing placements for 120 UCSC undergraduates. The companies have the chance of addressing undergraduates at a pre-scheduled time, interview them and select successful people for training at their companies. PDC has to face the challenge of placing 240 undergraduates from 2008 onwards.

The companies are very happy with the UCSC undergraduates and the following is a statement made by the CEO of a leading IT company in Sri Lanka.

“With my understanding, I'm very happy with the UCSC students and their conduct in our company. They were a set of committed individuals who wanted to learn and I'm pleased with the progress they are going through so far. Initially I felt a great deal of misalignment from them about their awareness on what they want to achieve during internship and how they need to engage with a professional working environment. But it was very encouraging to see how they had been changing their attitude and approach with little mentoring and opportunities we have provided. “

Apart from the industrial training, the PDC organizes;

- Industrial Visits for the BICT programme where the students have to visit the actual industry and understand the business processes of different industrial sectors such as, Health, Plantation, Transportation etc.
- Speechcraft Programme for the undergraduates with the aim of improving their soft skills that are much needed in the industry to get a “foot in the door” of their profession. The successful undergraduates are awarded a certificate from Toastmasters International.
- The companies to voluntarily take part in a series of guest lectures, through which the undergraduates are made aware of the role they have to play as professionals after they graduate. Through these lectures, the undergraduates are provided with a good orientation program and preparation before being sent for Internship. They are clearly communicated of the objectives and skills to gain during the internship.
- The career fair for the third year CS and ICT students. Invited companies have interviewing sessions at the university premises where students get the opportunity to face interviews and get selected for relevant companies.

Further, there are many other opportunities of collaborative work towards this national service. Interested companies are welcome to join the UCSC-Industry link and take part in the Industrial Training Programme.

6.2 Research & Development

6.2.1 Publications and Journals by the UCSC staff members during the year 2007

De Zoysa Kasun, Keppitiyagama Chamath, Seneviratne Gihan and Shihan W. W., A Public Transport System Based Sensor Network for Road Surface Condition Monitoring. In *Proceedings of the 2007 ACM SIGCOMM Workshop on Networked Systems For Developing Regions -NSDR'07-(Kyoto, Japan, August 27 - 27, 2007)*.

De Zoysa Kasun and Keppitiyagama Chamath, BusNet – A Sensor Network Built Over a Public Transport System. In *Adjunct Poster/Demo Proceedings of the Fourth*

European Conference on Wireless and Sensor Networks (EWSN) – January 2007, Delft, Netherlands

Bandara T. G. T. A., De Zoysa Kasun, Keppitiyagama Chamath, Laxaman Nayanajith and Thilakarathna Kenneth, BusNet Data Transfer Protocol (Poster Abstract) – *Third International Conference on Intelligent Sensors Sensor Networks and Information Processing* – December 2007, Melbourne, Australia.

Caldera H J, Ranasinghe D N, Adapting particle movement models to mobile device connectivity patterns, SLAAS annual proceedings, 2007

Gomez-Cabrero D, Armero C, Ranasinghe D N - The traveling salesman problem: A self adapting PSO-ACS algorithm, 2nd International Conference on Industrial and Information Systems (ICIIS), December 2007, Peradeniya.

Ganesahmoorthy K, Ranasinghe D N, Silva K P M K, Wait R - Performance of shallow water equations model on the computational grid with overlay memory architectures, 2nd International Conference on Industrial and Information Systems (ICIIS), December 2007, Peradeniya.

Kalawila W D I A, Ranasinghe D N - Priority based distributed job scheduler for java compute servers, 2nd International Conference on Industrial and Information Systems (ICIIS), December 2007, Peradeniya.

Ganeshamoorthy K, Ranasinghe D N, Silva K P M K, Wait R - Parallel implementation of shallow water model on distributed memory architectures, Proceedings of the 20th International conference on Parallel and Distributed Systems (PDCS), September 2007, USA.

Ranasinghe D N - Ubiquitous computing and privacy (in Sinhala), Dinamina IT Supplement, 2007.

Ranasinghe D N - Nature inspired computing (in Sinhala), Dinamina IT Supplement, 2007.

Wikramanayake G.N., News Paper articles for Dinamina Pariganaka, Mar, Jun-Oct 2007.

Wikramanayake G.N., News Paper articles for *Daily News*, Apr-May 2007.

Hewagamage K.P., Wikramanayake G.N., Weerasinghe T.A., Mozelius Peter (2007, May 28-30) "Analysis and Development of Curriculum to Build the Foundation for eLearning Courses", *Proceedings of 2nd eLearning Africa (eLA) - International Conference on ICT for Development, Education and Training*, Nairobi, pp. 63-65.

Wikramanayake G.N. (2007, May-Jul), "CSSL Facilitation to Increase the ICT Usage in Sri Lanka", *Information Communication Technology, Interactive*, vol. 3, Issue 3, Colombo: Synergy Interactive, pp. 26-26.

Kelani Bandara K.B.P.L.M., Wikramanayake G.N., Goonethillake J.S. (2007, Aug 9-11) "Optimal Selection of Failure Data for Reliability Estimation Based on a Standard Deviation Method", *Proceedings of 2nd International Conference on Industrial and Information Systems*, University of Peradeniya: IEEE 07EX1753C, ISBN:1-4244-1152-1, pp. 4.

Mashood Mifla, Wikramanayake G.N. (2007, Aug 9-11) "Seamlessly Securing Web Services Using Policies", *Proceedings of 2nd International Conference on Industrial and Information Systems*, Peradeniya: IEEE 07EX1753C, ISBN:1-4244-1152-1, pp. 6.

Wikramanayake G.N., Hewagamage K.P., Gamage G.I. & Weerasinghe A.R. (2007, Sep 19-20) "Asia eBIT@UCSC: Implementing the paradigm shift from Teaching to Learning through e-learning framework", *Proceedings of 25th National Information Technology Conference*, Colombo: CSSL. ISBN: 978-955-9155-15-7, pp. 68-81.

Mashood Mifla, Wikramanayake G.N. (2007, Nov 18-19) "Architecting Secure Web Services for E-Businesses through Policies", *Proceedings of 24th South East Asia Regional Computer Conference*. Held in Muang Thong Thani, Thailand. Also in *International Journal of the Computer, the Internet and Management*, S. Charmonman (Ed.), vol. 15, ISSN 0858-7027, pp. 5.

Wikramanayake G.N. (2007, Nov), "ICT as Career Part I", *Information Communication Technology, Interactive*, vol. 3, Issue 4, Colombo: Synergy Interactive, pp. 30-31.

6.2.2 **Members of the staff attended the following Conferences / Seminars / Meetings and/or made the following presentations :**

Wikramanayake G.N., "Analysis and Development of Curriculum to Build the Foundation for eLearning Courses", 2nd *eLearning Africa (eLA) - International Conference on ICT for Development, Education and Training*, Nairobi, 28-30 May 2007.

Wikramanayake G N - General Assembly meetings as the Team Leader of the Sri Lanka Team, 19th International Olympiad in Informatics (IOI) International Software Competition, Zagrab, Croatia, 15th-22nd August 2007.

Wikramanayake G N – Judge's meetings as a Judge, Asia Pacific ICT Awards (APICTA) 2007, Singapore, 26th-30th November 2007.

Baggaley J.P., Wikramanayake G.N., Sangi Nazir & Jamtsho Sangay, "Accessibility, Acceptance and Effects of DLT in South Asia", 3rd Global Knowledge Conference, Malaysia, 11-13 Dec 2007.

Baggaley J.P., Batchuluun Batpurev, Wikramanayake G.N., "Evaluation and Adaptation of Open Source Software for DL in Asia", 3rd Global Knowledge Conference, Malaysia, 11-13 Dec 2007.

6.2.3 Other Activities of Staff

Atukorale D A S Dr

1. Secretary to the Board of Study for Research and Higher Degrees
2. Member of the Board of Study for Internal Undergraduate Degrees
3. Member of the Board of Study for External and the Extension Programmes
4. Coordinator of the International Programme on Design, Installation and Administration of Network Systems (DIAMN) funded by the Swedish International Development Agency (Sida)
5. Coordinator of the Linux Network Administration and CISCO CCNA training Programmes conducted by the Computing Services Centre (CSC) of UCSC
6. Acting Director of the Network Operations Centre (NOC) of the University of Colombo (UoC)
7. Member of the Committee on Network and Website of UoC
8. University Representative for the Lanka Education and Research Network (LEARN)
9. University Representative for the SIDA IT Project Management Committee
10. Treasurer of the Lanka Education and Research Network (LEARN)
11. Visiting Lecturer - MBA Programme, Faculty of Management, University of Colombo.

Dharmaratne A T Dr

1. Co-ordinator, Professional Development Centre
2. Member of the Board of Study for Internal Undergraduate Degrees
3. Member of the Board of Study for External and the Extension Programmes
4. Co-Editor of the "Partners in Progress" – Felicitation Volume of Professor V K Samaranyake

Dias G K A

1. Co-ordinator, Advanced Digital Media Technology Centre (ADMTC)
2. Co-ordinator of the Third Country and In Country Training Programmes in e-Learning Technology
3. Member of the Board of Study for Internal Undergraduate Degrees
4. Member of the Board of Study for External and the Extension Programmes
5. Member of the Board of Study for Research and Higher Degrees

6. Visiting Lecturer and Examiner of the University of Sri Jayawardenapura
7. Served as a nominee of Academic Syndicate Member of the Board of Management Committee, UCSC
8. Member of the Project Management Committee of the National E-Learning Centre (NeLC)
9. Co-ordinator of the following courses conducted by the ADMTC
 - Advanced Multimedia Web Design and Development Techniques course,
 - Digital Video Production and Animation course
 - Dynamic Web Application Development with PHP and MySQL course
 - 3D Modeling and Animation
 - Graphics Design and Creativity Development

Goonathilake M D J S Dr

1. Student Counsellor/UCSC
2. Co-ordinator/BICT Degree programme
3. Member of the Board of Management
4. Member of the Board of Study for Internal Undergraduate Degrees

Hewagamage K P Dr

1. Co-ordinator - e-Learning Centre
2. Co-ordinator - Master of Computer Science Programme
3. Coordinator of Postgraduate Projects in MSc in CS and MSc in IT programmes
4. Project Coordinator of National e-Learning Centre
5. Project Coordinator of Asia eBIT Project
6. Senior Researcher of IDRC Pandora Project in evaluation and adoption of Learning Management Systems in Asia and e-Assessment Systems
7. Member of Board of Study in Undergraduate Degrees, Research and Higher Degrees AND Extension and External Programmes in UCSC
8. Member of Library Committee UCSC
9. Member of Academic Syndicate of UCSC
10. Member of Academic Committee National Institutes of Library and Information Sciences (NILIS), University of Colombo
11. Member of Special Committee on Science and Technology, National Science Foundation, Sri Lanka
12. Academic Representative of Board of Management of UCSC
13. Senior Member of IEEE Computer Society Chair, IEEE Computer Society Sri Lanka Chapter
14. Member of Association of Computer Machinery (ACM)
15. Academic Advocate of ISACA (Information System Audit and Control Association) Sri Lanka Chapter
16. Secretary of University Colombo Computing Teachers (UCCA) Association (union of UCSC academic staff; developed the constitution of UCCA to form the association in the period of 2005/2006)

17. Secretary of Swedish Sri Lanka Friendship Association
18. Member of the Main Organizing Committee of International Information Technology Conference 2006
19. Member and Advisor of e-Learning Committee of SEMP Project, Ministry of Education
20. UCSC Academic Representative and Organizer of Microsoft International Software Competition
21. The organizer and a Resource Person of e-Learning Workshop at the International Information Technology Conference, 2006 (IITC 2006), October 2006
22. The organizer and a Resource Person of e-Learning Workshop for University of Colombo Academic Staff, September 2006
23. The organizer and a Resource Person of Curriculum Development workshop for Academic Staff of UCSC, March, 2006
24. The organizer and a Resource Person of Curriculum Development workshop for Academic Staff of UCSC, December 2006
25. The organizer of e-Learning Content Development Workshop under Asia eBIT Project, August 2006
26. Visiting Lecturer - MBA Programme, Faculty of Management, University of Colombo.
27. Visiting Lecturer and curriculum advisor for the South Eastern University, Sri Lanka
28. The design and development of e-Learning Courses for BIT Semester 1 in the academic year 2006/2007 under the Asia eBIT Project
29. Module coordinator for IT Project Management (Semester 4) and Intelligent Systems (Semester 5) courses and moderator for Information Systems and Technology (Semester 1)
30. Examiner, University of Ruhuna, South Eastern University and all undergraduate (including external) and postgraduate study programmes in UCSC
31. Programme coordinator and resource person in TV programmes "Forum for BIT"
32. Technical paper reviewer, International Information Technology Conference (IITC2006), NSF Journal of Science and Technology, University of Sri Jayawardanapura.

Jayasinghe L P

1. BIT – Year 1 – Academic Co-ordinator
2. Academic Co-ordinator, Post-graduate Diploma in Computer Technology – Full time & Part time
3. Secretary, Board of Study for External and Extension Programmes
4. Member, Board of Study for Research and Higher Degrees
5. Member, Board of Study for Internal Undergraduate Degrees
6. Member, Academic Syndicate of UCSC
7. Member, Committee on Computing Services Centre

Keppitiyagama C I Dr

1. Member, Panel of Judges, National Best Quality Software Awards (NBQSA) Tertiary category organized by the British Computer Society (BCS) Sri Lanka Section.
2. Adviser to the organizing committee of the UCSC IT Quiz.
3. Member of the Project Management Committee of the National E-learning center.
4. Member of the Council of Management of the Theekshana.
5. Advisor to the Wireless and Sensor Network (WASN) lab.
6. Member of the steering committee of the journal *ICT for Emerging Regions* (ICTer).

Karunaratne D D Dr

1. Head, Department of Communication & Media Technologies
2. Secretary of the Board of Study for Internal Undergraduate Degrees
3. Academic Coordinator of the Computer Science Undergraduate Programme
4. Activity Co-ordinator of Science & Technology Development Project
5. Member, Panel of Judges, National Best Quality Software Awards (NBQSA) Tertiary category organised by the British Computer Society (BCS) Sri Lanka Section

Kodikara N D Dr

1. Head/ Department of Information Systems Engineering
2. Coordinator, Research Degree Programmes, UCSC
3. President, University of Colombo Computing Teacher's Association (UCCTA)
4. Treasurer, IEEE (Sri Lanka Section) Computer Society
5. Member, Sub Committee for Technical subjects (Information Technology), Ministry of Education
6. Member/Subject Review Team, Department of Computer Science and Engineering, University of Moratuwa
7. Member, Technical Evaluation Committee, HEMIS Project under IRQUE
8. Committee Member, SLASS (Section E1)
9. Local Ph.D. Supervisor of S.Suthakar under Sida split Ph.D. programme
10. Member, Academic Committee, NIBM
11. Secretary, Nalanda College School Development Committee

Ranasinghe D N Dr

1. Head/ Dept of Computation & Intelligent Systems
2. Accredited Senior Teacher in Higher Education
3. Member, UCSC Statutory Committees
4. Committee Member, SLASS, Section E1(2007)
5. Associate Editor, ICTER Journal
6. Coordinator, Master of Science programme

7. Member, Ethics and Research Committee, UoC
8. Journal paper reviewer: Journal of the National Science Foundation (SL)
9. Local PhD supervisor for Mr K Thabotharan, Uppsala University
10. MPhil supervisor for Mr K Ganeshamoorthy (since 2006)
11. Technical Paper Reviewer, SLASS
12. External examiner: Universities of Jaffna, Kelaniya and Ruhuna
13. Visiting Lecturer, SEUSL
14. Review Panel Member, Quality Assurance and Accreditation Council of the UGC

Seneviratne G P

1. Member, TEC University of Colombo
2. Member, TEC IRQUE Project
3. Member, TEC and Consultant/IT Procurement Peoples Bank
4. Member, TEC and Consultant/IT Procurement National Savings Bank
5. Member, TEC and IT Advisory Committee Colombo Public Library
6. Member, IT Advisory Committee National Library
7. Member, TEC SEMP Project of Ministry of Education
8. Member, Academic Committee NILIS UOC
9. Visiting Lecturer University of Sri Jayawardanapura
10. Activity Coordinator, IBG II/IT IRQUE Project UOC

Siriwardena M

1. Moodle Sinhala Translation - A Learning Management System
2. ATutor Sinhala Translation - A Learning Management System
3. PHPMyAdmin Sinhala Translation - Web based MySQL database client
4. SquirrelMail Sinhala Translation - web based PHP mail client
5. Drupal Sinhala Translation – Content Management System
6. MySQL GUI Tools Sinhala Translation – MySQL database client
7. osCommerce Sinhala Translation – e-Commerce solution
8. Consultant - Information and Communication Technology Grade 11 Syllabus - 2008
9. Teachers' Instructional Manual - National Institute of Education

Weerasinghe A R Dr

1. Project Leader, IDRC PAN Localization Project
2. Member, ICTA Local Language Working Group
3. Member, ICTA ICBP Grants Board
4. Member, ICT Advisory Committee, Export Development Board
5. Member, ICT Advisory Committee, Ministry of Education
6. Member, SLSI Sectoral Committee on IT
7. Member, Lanka Domain Name Registry Panel

8. Board Member, Computer Emergency Response Team (CERT) - Sri Lanka
9. Board Member, Lanka Software Foundation
10. Member of the UGC Standing Committee on Information Technology Development
11. UCSC Representative on the LEARN Management Committee
12. Chairman, Sida-IT Project Management Committee
13. Member, Senate, University of Colombo
14. Member, Planning & Development Committee, University of Colombo
15. Local Ph.D. Supervisor of M C Jayawardena under Sida – split Ph.D. programme
16. Member of the International Affairs Committee of the International Speech Communication Association
17. Chairman of all UCSC Statutory Committees

Wikramanayake G N Dr

1. Acting Director, UCSC, Jan/Dec 2007.
2. Deputy Director, UCSC, Jan-May 2007.
3. Act. Head, Dept. of Communication and Media Technologies (CMT), Since Oct 2007.
4. Bachelor of Information Technology (BIT) External Degree Programme: Academic Coordinator; Examinations Officer, Resource Person for TV and publicity programmes; Subject matter expert for e-Learning content; Module coordinator and examiner.
5. Faculty of Science: Member Faculty Board and Joint Coordination Committee; Academic coordinator of BSc Joint Special Degree programme.
6. UCSC: Examiner BCS, BICT and MCS degree programmes; Member IT Quiz Panel of Judges.
7. Member UCSC committees: Coordinating, Finance & Management, Audit, Library and Curriculum Development & Evaluation.
8. Member Leave and Awards Committee, Board of Management, Academic Syndicate and 3 Boards of Studies.
9. University of Colombo: Committee Member Alumni Association.
10. British Computer Society (BCS) Sri Lanka Section: Chairman; Council Member Infotel Society Sri Lanka and Chartered Forum Institutes; Judge National Best Quality Software Awards and Asia Pacific ICT Awards (Singapore).
11. Computer Society of Sri Lanka (CSSL): Student Counsellor; Coordinator ACS Examinations and ICDL accreditation process; Member CSSL membership discussion panel and National Computer Conference proceedings committee; Chairman National School's Software Competition.
12. Examiner: Two Professional Association Examinations.
13. National ICT Capacity Summit: Member Capacity of the Industry and Enhancing ICT Teaching capacity sub-committees.

14. Institute of Chartered Accountants: Member Syllabus Revision Committee.
15. National Institute of Education: GCE(A/L) Curriculum Development and National Education Commission, ICT Policy
16. National Science Foundation: Committee Member National Science Olympiads.
17. Technical paper reviewer: Open University of Sri Lanka and Sabaragamuwa University.
18. Team Leader, International Olympiad in Informatics, Croatia.
19. Member, Research Group: E-learning, NeLC project management and Asia eBIT committees.
20. Local PhD supervision of Indra Seher (2001-), Instructor, UCSC, ADB funded split PhD candidate at University of Western Sydney, Australia.
21. Local PhD supervision of Manivasakan Sabesan (2004- Licentiate 2007), Lecturer, University of Jaffna, SIDA funded split PhD candidate at Dept. of Information Technology, University of Uppsala, Sweden.
22. Local PhD supervision of Tharaka Sesath llayperuma (2004- Licentiate 2007) and E.A.T. Ananda Edirisuriya (2004- Licentiate 2007), Lecturers, University of Ruhuna and University of Sri Jayewardenepura, SIDA funded split PhD candidate at Dept. of Computer and System Sciences, University of Stockholm, Sweden.
23. Joint local PhD supervision of Hakim Usoof, Lecturer, UCSC, NeLc Project funded split PhD candidate at Umeå University, Sweden.
24. Principal Investigator, Sub Project 1: Accessibility, Acceptance & Effects of Distance Learning Technologies in South Asia. PAN-DLT (Asia): Networking Distance Learning Technology Engines for Research" an Asian Regional Project sponsored by the International Development Research Corporation (IDRC) of Canada with the participation of several Asian countries Pakistan, India and Bhutan.
25. Member, Sub Project 7: E-Assessment Methods and Models for Student Evaluation in Asia. Allama Iqbal Open University, Islamabad, Pakistan is the lead institute of this project.

Wimalaratne G D S P Dr

1. Director, Career Guidance Unit, University of Colombo.
2. Project Coordinator for Learning Environment - Institutional Block Grant, IRQUE World Bank funded project at University of Colombo.
3. Vice Chair- Institute of Electrical and Electronic Engineers (IEEE) Sri Lanka Section.
4. Represented Sri Lanka at the IEEE Region 10 Meeting Held in Malaysia.
5. Served as a member of Curriculum Review Committee, G.C.E. GIT, National Institute of Education.

6. Member of the Senate (on invitation), University of Colombo.
7. Member, Standing Committee on Career Guidance and Student Welfare of the Universities, UGC.
8. Member of the judging panel, National Best Quality Software Awards Organized by the British Computer Society Sri Lanka Section.
9. Served as a member of the selection committee, Career Counselor, University of Colombo.
10. Served as a member of the selection committee, Systems Engineer, Sri Lanka Parliament.

Zoysa T N K De Dr

1. Secretary - Sida-IT Project Management Committee.
2. Project Co-ordinator and Research Advisor – Wireless Ad-hoc Sensor Network Project (WASN).

6.3 Other Activities

6.3.1 - University Network

The UCSC continued to provide the administrative functions of the University of Colombo Campus-wide Network and the University of Colombo Web Site. Throughout the year, the UCSC did the administrative work of the Sida IT project specially including financial matters.

6.3.2 - LEARN Administration

The administrative and financial functions of the Inter-university Network LEARN during the year continued to be handled by the UCSC.

6.3.3 - Weekly Radio Programme

The UCSC sponsored and conducted a weekly Radio Programme on National Radio every Wednesday from 8.30 a.m. to 9.30 a.m. This programme has become extremely popular with a large clientele of listeners. The staff and students of the UCSC took part in this programme on a voluntary basis.

6.3.4 - Weekly TV Programme

Preparing for BIT - The UCSC continued to conduct the weekly TV programme "Forum for BIT" where the students of the BIT Programme are provided with guidance regarding the programme of study. This programme was telecast on TV Lanka.

6.3.5 - International Olympiad in Informatics (IOI)

IOI Pool was trained at UCSC and was sponsored by ICTA. Team won a Silver Medal. The UCSC was assigned the task of running the IOI SL Committee commencing in the year 2004.

6.3.6 – Newspaper Supplement of ANCL

The "Dinamina" Sinhala newspaper of the Associated Newspapers of Ceylon Ltd. initiated a weekly 8 pages newspaper supplement called "Pariganaka Denuma" on every Saturday from 12th August with the assistance of UCSC. Twenty one consecutive weekly issues with ICT

related articles written by the members of UCSC staff were released during the year.

6.3.7 – National Schools Software Competition
National Schools Software Competition was held at UCSC.

6.3.8 - South East Asia Computer Conferation
South East Asia Computer Confederation (SEARCC) Team was trained at UCSC. Team was placed third.

6.3.9 - National Best Quality Software Awards(a)
Tertiary category competition was held at UCSC.

6.3.10- Partnerships
The following agreements were entered during the year.

- Memorandum of Grant Conditions of PAN Localization – Phase II signed between NUCES and UCSC.
- Signed Memorandum of Understanding between ICTA and UCSC for the selection, training, participation and recognition of the National Team at International Olympiad in Informatics.

6.4 Examinations

The following examinations were conducted during the period under review.

6.4.1 Degree of Bachelor of Computer Science (Internal)

The Second semester Exam for Students of A/Y 2005/2006 (1st Year), A/Y 2004/2005 (2nd Year) and A/Y 2003/2004 (3rd Year) Batches were held during the period of May - June 2007. The Second semester; Industrial Placement for A/Y 2003/2004 (3rd year) was completed in July 2007.

English Placement Test for the new batch of students CS & ICT of A/Y 2006/2007 was held on 09TH July, 2007.

The First Semester Exam for students of A/Y 2003/2004(4th year Special) 2004/2005 (3rd Year), 2005/2006 (2nd Year) and 2006/2007 (1st Year) Batches were held during the period of January, 2008.

The provisional results of the students of A/Y 2002/3(A), 2003/2004 and 2004/2005 were released and they were allowed to sit for the above exam as repeaters.

6.4.2 Degree of Bachelor of Information & Communication Technology (BICT) (Internal)

The Second semester Exam for Students of A/Y 2005/2006 (1st Year), A/Y 2004/2005 (2nd Year) Batches were held during the period of May - June 2007.

The First Semester Exam for students of A/Y 2004/2005 (3rd Year) and 2005/2007 (2nd Year) and 2006/2007 (1st Year)

Batches were held during the period of January, 2008.

The Selection Test for Bachelor of Information & Communication Technology (Internal) Degree Programme for admission of 80 students for the A/Y 2007/8 for the UCSC was conducted on 29th March 2008. This examination belongs to 2007.

6.4.3 Degree of Bachelor of Information Technology (External)

The Selection Test for 2007 was conducted on 24th June, 2007 and Repeat exams for Jaffna Students held on 02nd July 2007 and 24th October 2007 respectively. The results were released on 12th July 2006 and 19th October 2006.

Semesters I, III and V examinations were successfully conducted during the period of March, 2007. Semesters II, IV and VI were held during the period of August 2007.

Year one results of Semesters I and II (Academic Year 2006/2007) were released on 12th October, 2007 and 251 students were qualified for the Diploma in Information Technology.

Year two results of Semesters III and IV (A/Y 2006/2007) were released on 31st December, 2007 and 128 student were qualified Advanced Computing for Information Technology.

Year three results of students registered in year 2005/2006 were released on 10th January 2007 and 89 students were qualified and were released on 15th February 2007 as supplementary pass list 26 students qualified for the Degree of Bachelor of Information Technology (External).

6.4.4 Postgraduate Diploma in Computer Technology (Part-time)

The results of the above examination held in last year were released on 03rd April 2007. 05 were successful at this examination.

The repeat exam for above was held during the month of June/July 2006.

6.4.5 Master of Science Programmes

Semester II (Repeat) examination for batch One and Two of M.Sc. in Advanced Computing/ Information Technology/ Computer Science were held in January 2007.

Repeat examination for batch 07 of M.Sc. in Computer Science were held in May 2007.

The Selection Test for the Master of Computer Science and Master of Information Technology Degree

Programme was conducted on 28th July 2007 and were selected 57 students for MCS and 74 students for MIT program.

Repeat examination for the student of M.Sc. Batch 07 were held during the period of May 2007.

The following postgraduate results were released in 2007:

Name of the Degree Programme	No. of qualified	Issuing date of Results
Master of Science in Information Technology Batch 1 (2002 Intake)	05	26.01.2007
Master of Science in Computer Science Batch 2 (2004 Intake)	19	26.01.2007
Master of Science in Information Technology (Batch 02) (2004 Intake) (Supplementary)	20	26.01.2007
Master of Science in Computer Science Batch 1 (2002 Intake) (Supplementary)	07	26.01.2007
Master of Science in Computer Science Batch 2 (2004 Intake) (Supplementary)	01	26.01.2007
Master of Science in Information Technology Batch 1 (2002 Intake) (Supplementary)	01	15.02.2007
Master of Science in Computer Science Batch 1 (2002 Intake) (Supplementary)	01	15.02.2007
Master of Science in Information Technology Batch 2 (2004 Intake) (Supplementary)	01	15.02.2007
Master of Science in Computer Science Batch 2 (2004 Intake) (Supplementary)	04	15.02.2007
Master of Science in Computer Science Batch 7 (Supplementary)	04	20.03.2007
Master of Science in Computer Science Batch 1 (2002 Intake) (Supplementary)	01	20.03.2007
Postgraduate Diploma in Computer Science Batch 7 (Supplementary)	10	20.03.2007
Postgraduate Diploma in Computer Technology -Part Time (Repeat)(Supplementary)	05	03.04.2007
Master of Science in Information Technology Batch 1 & 2 (2002 & 2004 Intake) (Supplementary)	07	16.07.2007
Master of Science in Computer Science Batch 1 & 2 (2002 & 2004 Intake)	10	16.07.2007

(Supplementary)		
Master of Science in Advanced Computing Batch 1 (2002 Intake) (Supplementary)	01	16.07.2007

6.4.6 Convocation and Awards Ceremony

The Convocation for conferment of the Degree of Bachelor of Information Technology (External) was held on 16th May, 2007 at the BMICH by the University of Colombo. 103 graduates were conferred the degree at this Convocation.

The Convocation for conferment of the Degree of Bachelor of Computer Science (Internal) was held on 29th June, 2007 at the BMICH by the University of Colombo. 81 graduates were conferred the degree at this Convocation.

Award of Diploma in Information Technology (External) 2007 was held on 4th December, 2007 and 520 students were awarded.

6.4.7 Prizes and Awards

Prof. V K Samaranyake Medal for the Best Performance at the Bachelor of Information Technology (External) Degree - 2007 was awarded to *M S S Perera*.

Japan International Co-operation Agency (JICA) Award for the Best Student in Master of Science in Information Technology – 2007 was awarded to *Mr. H M E H K Herath*. Kinaslake Award for the Best Student in Master of Science in Computer Science 2007 was awarded to *Mr. J D S Denagama*.

The University Research Award 2007 was awarded to Dr. K P Hewagamage, Senior Lecturer of the University of Colombo School of Computing.

PART VII

7. **Foreign Funded Projects**

The following projects were undertaken by the UCSC.

Project Name	Description	Co-ordinator
IDRC – PAN Localization	International Development Research Centre (Canada) funded PAN Localization Project	Dr A R Weerasinghe
IDRC - Pandora 1	International Development Research Centre funded - "PAN-DLT" .	Prof V K Samaranyake (Till 5 th June) Dr G N Wikramanayake (From 6 th June)
GIS	Design & Development of a GIS Based Disaster Management System	Dr D D Karunaratne
WASN	National Research & Development Centre for "Wireless Ad hoc & Sensor Networks"	Dr T N K De Zoysa
Asia e-BIT	EU funded - A Model for net based learning to help bridge the knowledge divide	Dr K P Hewagamage
TCTP/ICTP	JICA funded In Country/Third Country Training Programme	Mr G K A Dias
NeLC	The Swedish International Development Cooperation Agency funded - Establishment of a National e-Learning Centre at UCSC	Dr K P Hewagamage
IDRC - Virtual Village	International Development Research Centre funded - Virtual Village Project	Dr A R Weerasinghe
SIDA – PhD	The Swedish international Development Cooperation Agency funded – PhD Programme	Director/UCSC
SIDA – Network	The Swedish international Development Cooperation Agency funded – Net work Project	Director/UCSC