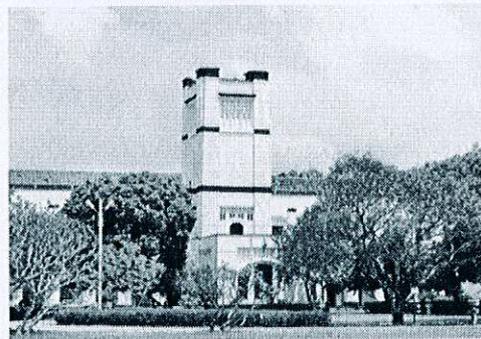
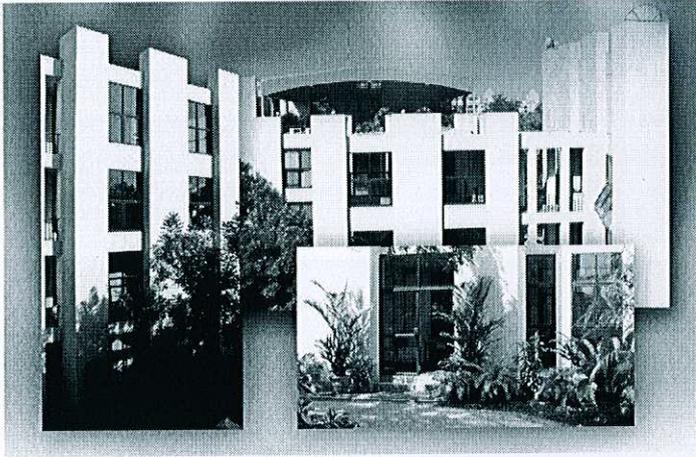




Annual Report 2012



UNIVERSITY OF COLOMBO
SCHOOL OF COMPUTING

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

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UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

ANNUAL REPORT AND ACCOUNTS FOR 2012

VISION & MISSION

Vision Statement

Create new knowledge, sustain a culture of critical inquiry and foster a spirit of service and commitment to the nation.

Mission Statement

Producing men and women of the highest technical competency with high ethical standards and social accountability, capable of creative, analytical and independent thinking, contributing to national development

DIRECTOR'S REVIEW

As a centre of Higher Learning in Computing, the UCSC has continued to train students at undergraduate and postgraduate levels as well as those in the IT industry with the latest developments in this field. 738 internal undergraduates enrolled for the four degrees programmes via the UGC intake continued their studies at the UCSC, although new intake enrolment was postponed by the UGC due to the Z score issue. Beside 1267 science graduates were trained in use of IT in respective scientific domains and 2029 students were provided the opportunity to do the BIT degree as an external student. 158 students were enrolled for the master's degree while 10 enrolled for research degrees. From those who enrolled in previous years 392 completed degrees at undergraduate level and 158 at postgraduate level. Output produced from both undergraduate and postgraduate degree programmes increased by 11% and 65% respectively. UCSC also undertook to implement testing of English and IT at all universities and pilot test carried out for 81 students successfully in two universities.

To distinguish from other training institutes UCSC put a lot of emphasis on creating new knowledge through research. While securing three NRC grants and two NSF grant for research projects the staff published 59 conference and journal papers despite three months national level academic strike. UCSC also continued to carry out consultancy projects for the government ministries and others, including for an overseas university. Students continued to be successful at national and international events winning and/or gaining recognition at NBQSA, e-Swabhimani, World Summit Award and Google Summer Code. Staff continued to be involved in many external committees, boards and professional bodies as their contribution to the society, while students continued with their IT outreach programmes to rural areas targeting school children. UCSC also successfully organized their annual international conference attracting 182 participants including 20 foreign delegates. Three UCSC staff members were recognized by UGC and ICTA for their research and development activities.

Long due physical infrastructure development of the UCSC commenced in 2011 and first phase of this project was completed and a new lecture hall for 300 students was put in to use. Building extension work to strengthen research activities is expected to complete in 2013.

UCSC while continued to hold the most qualified computing staff in the country with 19 PhD holders further strengthen its lecturer pool to partially address the shortage of its Human Resources. Overseas staff exchange programme which was initiated in 2011 for the first time continued and discussions were held to implement the student exchange programme in 2013.

While continue to work on the curriculum development to align existing degree programmes with international standards, new postgraduate degree in Bioinformatics was launched and intakes for the new undergraduate degrees in Information Systems and Software Engineering were initiated.

UCSC AT A GLANCE

		2010	2011	2012
Education (Enrolled/Graduated)				
Internal Undergraduates	All	739	737	738
	In	236	238	-
	Out	229	223	220
Science Undergraduates		1023	1160	1267
External Diploma	All	4281	4287	4166
	In	2514	2365	2029
	Out	361	576	654
External Higher Diploma	All	1863	2019	2390
	In	688	863	974
	Out	199	309	262
External Degree	All	1188	1293	1413
	In	403	442	476
	Out	140	129	172
Postgraduates	All	443	531	523
	In	177	143	158
	Out	89	94	156
Extension Programmes		935	678	528
Research				
Research (MPhil/PhD)	All	31/01	46/00	41/01
	In	06	13	10
	Out	-	1	3
Research Projects	All	06	05	05
	New	2	1	02
Publications		69	63	59
Consultancy Projects				
Local		25	14	12
Foreign		05	01	01
Social Responsibility Programmes		18	10	10

	2010	2011	2012	
Governance				
Permanent Academic Staff	All	34	36	35
	Prof	02	02	02
	PhD	18	18	19
Permanent Academic Support Staff	04	02	04	
Temporary Academic Staff (Instructors)	15	11	12	
Permanent Admin and Non-Ac Staff	35	35	34	
Contract Staff (including casual & trainee)	72	37	67	
Research/Project Staff	18	14	10	
Finance				
Annual Recurrent Expenditure (Millions SLR)	80	92	111	
Treasury Grant (Recurrent) (Millions SLR)- Act.	65	83	92	
Treasury Grant (Capital) (Millions SLR) – Actual	5	16	19	
Generated Income	123	159	195	
UCSC Contribution for UG (Millions SLR) (Generated %)	31 (25%)	22 (14%)	27 (16%)	
UCSC Budget (Millions SLR)	171	205	246	
Research/Project (Millions SLR)	84	6.1	5.6	
Cost per Employee (SLR '000s) per annum	457	578	670	
Cost per Student (SLR '000s) – Treasury	108	125	149	
Infrastructure				
Library Books	9,999	10,214	10,405	
Computers : staff	1:1	1:1	1:1	
Computers : students (General students)	1:4	1:4	1:4	
(Special students)	1:1	1:1	1:1	
Space Utilization (employee) (sq. m.)	6.99	9.42	10	
Space Utilization (student) (sq. m.)	1.89	1.90	2.0	

OVERVIEW OF THE UCSC

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 Computing, which now include Computer Science, Software Engineering, Information Technology and Information Systems. It is a Higher Educational Institution within the meaning of the Act. The UCSC Ordinance was Gazetted on 15th Nov 2002 (GZT NO. 1262/32) and Amended to include the Centre for Digital Forensics on 22 July 2011 (GZT NO. 1715/32).

A Brief History

The teaching of Computing in the University of Colombo first started way back in 1967 by the setting up of the Statistical Unit as a separate unit of the Department of Mathematics. Later with the initial guidance of Professor V.K. Samaranayake, the statistical unit was enhanced as the Statistical Consultancy and Data Processing Service Centre. This had paved the way to many future developments. By 1985, this Centre had grown into the Department of Statistics and Computer Science (DSCS). The major function of this department was to conduct special degree programmes in Statistics and in Computer Science. The DSCS offered Computer Science specialization programme, producing just 40 students per batch, in no way sufficient to meet the growing demand in the field of Computer Science (CS).

In 1997, a batch of 50 students was taken directly to study Computer Science, through the University Grants Commission, however, by this time, it was realized by many that the Computer Science subdivision of the DSCS need to be expanded as a separate department to meet the growing demand in the field of Computer Science. As a result, in 2001, the DSCS was separated into two departments namely Department of Computer Science and Department of Statistics.

The Department of Computer Science identified its own limitations of operating in the restrictive framework of a Faculty and at the same time it understood the importance of having a strong industry relationship for exploiting future growth potential. The university understood the importance of a strategic merger between the industry focused Institute of Computer Technology (ICT) and the more theoretically oriented Department of Computer Science of the University of Colombo.

The ICT had a strong relationship with the industry at the same time a high institutional profile among foreign donor agencies. The ICT also enjoyed much more autonomy in their business operations making it easier for receiving large amounts of resources from Japan International Cooperation Agency (JICA), Swedish International Development Agency (Sida) and several other donors.

This merger gave birth to the University of Colombo School of Computing (UCSC) on 1st September 2002. Prof. V.K Samaranayake became the founder Director of the UCSC, whose proactive thinking set the path to achieve success in several succeeding endeavours of the UCSC. Through all this, the UCSC has been able to position itself as a Centre of Excellence in ICT in the university system of Sri Lanka.

ORGANIZATION OF THE UCSC

The three departments and six Centres continued to plan and execute their programmes of activities for the current year too.

Departments of the UCSC

For the undergraduate academic programme, government funding is directly received by the UCSC through the UGC. Money received is inadequate to carry out the planned activities for the year and hence some of the generated income is used for undergraduate academic activities. The UCSC has three academic departments and the academic staff is allocated to these departments based on their specialization and teaching expertise. Three department heads are assigned to look after the undergraduate, postgraduate and external & extension programmes respectively as none of them offer programmes of its own. The three departments are,

1. Computation & Intelligent Systems (CIS);
2. Communication & Media Technologies (CMT);
3. Information Systems Engineering (ISE).

Centres of the UCSC

UCSC also performs many secondary activities. These activities are organized under six separate centres. Each centre has a coordinator who manages the day-to-day operations of the centre. The six centres are as follows:

1. Advanced Digital Multimedia Centre (ADMTC);
2. Computing Services Centre (CSC);
3. External Degrees Centre (EDC);
4. e-Learning Centre (e LC);
5. Professional Development Centre (PDC);
6. Centre for Digital Forensics (CDF).

GOVERNANCE

As laid down in the corporate plan, core areas of activity of the UCSC are *Education, Research, Consultancy* and *Social Responsibility*. Of these, Research has been recognized as the central pillar which sets the UCSC apart from the rest of the ICT Education sector, and which contributes in turn to the other three pillars. These pillars themselves are supported by two main sources; the Human and Physical Infrastructure/Resources and the Administrative/Financial services. In addition, all these aspects are held together and directed for optimal efficacy by a 'roof' of Good Governance.

Management

Management of the UCSC is handled by the officers of the UCSC with the assistance of the heads of the departments and centre coordinators. Director chaired all UCSC Statutory and Selection Committees.

Officers of the UCSC

Director: Prof GN Wikramanayake; **Deputy Director:** Prof ND Kodikara;

Heads of the Departments of the UCSC

CIS: Mr GP Seneviratne; **CMT:** Mr GKA Dias; **ISE:** Dr DD Karunaratna;

Centre Coordinators of the UCSC

ADMTC: Mr ST Nandasara; **CSC:** Mr. LP Jayasinghe; **EDC:** Mrs SP Ariyaratne; **eLC:** Dr KP Hewagamage; **PDC:** Dr SMKD Arunathilake; **CDF:** Mr KS Goonathilake.

Authorities

The Authorities of the School are the Board of Management; Academic Syndicate; Boards of Study; Departments of Study and Centres.

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 below.

Director (Chairman); Deputy Director; Heads of Dept (CIS/CMT/ISE); **Nominee/Secretary, Ministry of Higher Education:** Mr Piyasena Ranepura; **Nominee/Ministry of Finance:** Mr R Uduwawala; **Dean, Faculty of Science:** Prof TR Ariyaratne; **Nominees of Council, UOC:** Mr C Maliyadda; Mr. Asoka Pathirage (till Mar), Mr. HMN Warakaulle (from Apr); **Nominees of Senate, UOC:** Prof KH Thennakoon; Prof. PSM Gunaratne; **Nominees of the UGC:** Mr S Mudalige; Deshamanya Mr MDD Pieris; **Representatives of the IT Industry:** Mr Jayantha De Silva (until May), Mr. DB Saparamadu (from Oct); Mr Mano Sekeram; **Nominees of Academic Syndicate, UCSC:** Dr DN Ranasinghe, Dr GDSP Wimalaratne, Dr MC Jayawardena; Former Director (Invited): Dr AR Weerasinghe.

Two Sub-Committees, the Finance & Management Committee and the Audit Committee assisted the Board of Management. The two committees held 02 and 04 meetings respectively each during the year. Composition of the two committees is given below.

Finance and Management Committee

Director (Chairman); Deputy Director; Mr Piyasena Ranepura; Mr R Uduwawala; Prof TR Ariyaratne; Deshamanya Mr MDD Pieris.

Audit Committee

Mr Sujeewa Mudalige (Chairman Finance Specialist); Deputy Director; Mr C Maliyadda; Mr Piyasena Ranepura; Mr R Uduwawala.

Academic Syndicate

09 meetings of the Academic Syndicate were held during the year. The composition of the Academic Syndicate is given below.

Director; Deputy Director; Heads of Dept (CIS/ CMT/ISE); Centre Coordinators (ADMTC/CSC/EDC/eLC/PDC); **Nominee (Faculty of Science):** Prof RD Wijesekara; **Representatives/IT Industry:** Dr RAC Ranasinghe; Senior Academics (UCSC); **Two Teaching Staff:** Mr LP Jayasinghe; Mr. WMR Weerasuriya.

Boards of Study

There are three boards of studies, namely IUD, RHD and EEP. They focus on Internal Undergraduate Degrees (IUD), Research and Higher Degrees (RHD) and External and Extension Programmes (EEP). The three boards had 8, 9 and 9 meetings respectively during the year.

EDUCATION

Programmes and Students

UCSC offers a wide variety of programmes at different levels. Table 1 identifies the courses (programmes) conducted by the UCSC along with the students and staff involved.

Table 1: Type of Courses Offered

Course	Total Students	Total Academic Staff	Total non Academic Staff
Undergraduate and Postgraduate Programmes	1,125	48	62
Research and other Projects	42	16	10
Extension courses	528	07	55
External degree	5,700	41	11
Online	699	3	8
Other – Faculty of Science	1,267	19	2

Undergraduate Education

Computing for undergraduates were first introduced way back in 1967 as part of Faculty of Science. UCSC continues to offer this opportunity for faculty of science 1267 students. Computing as a degree commenced in 1990. All together 2005 undergraduates are being trained at the UCSC. UCSC currently offers Computer Science (CS) degree for 487 students and Information and Communication Technology degree (ICT) for 251 students.

Internal Degrees

UCSC continued to offer the two internal degree programmes in the field of CS and ICT. These two degree programmes are formulated to focus on different market segments in the IT industry and has a three and four year options. CS degree programme select students from A/L physical science stream while the ICT degree is open to all streams.

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

The ICT Programme is designed to produce a new kind of Information systems (IS) professional to fill the gap between business requirements and technical solutions. This degree Programme is 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 as the *Bachelor of Information and Communication Technology* (BICT), while the four-year degree is named as the *Bachelor of Science in Information and Communication Technology* (BSc (ICT)).

To make the degree programmes internationally accepted it was necessary to align our degree programmes according to internationally recognised ACM/IEEE guidelines. Several workshops on Curriculum Design were conducted to finalise this process. In this process it was identified that the Information and Communication Technology (ICT) degree programme has to be aligned with the Information Systems stream of the ACM/IEEE. Thus approval was obtained from the UGC to change the ICT degree to

Information Systems degree. As most graduates end up as software engineers it was required to introduce a Software Engineering degree. University approval to implement a Software Engineering stream for the Computer Science intake was also obtained. Accordingly UCSC will now be offering four computing degrees, namely: Computer Science, Software Engineering, Information Systems and Information Technology degrees. Among them the Software Engineering and Information Systems will be new degree programme for those entering universities from the 2012/13 intake.

The CS degree programme was redesigned to offer as 2+1 (3 year) and 2+2 (4 year) degrees instead of existing 3 year exist and 3+1 (4 year). New programme will contain a 4 year Software Engineering (SE) stream in addition to the existing 3 and 4 year CS exists. Changes are expected to be implemented from the 2012/13 intake.

Curriculum revision resulted in a name change from ICT to IS for which approval was obtained from the UGC. New 3 year degree will be called Bachelor of Information Systems (BIS) and the 4 year Bachelor of Science in Information Systems Engineering BSc (ISE). Implementation of the new curriculum is to take effect from the 2012/13 intake.

Enrolment

The UCSC could not admit a new batch due to issues with the Z scores of the 2010 GCE (A/L) and UGC postponement of admissions of students to 2013. During the year the total registered students at the UCSC was 738 (Table 2). Due to UGC policy aptitude test was removed for the ICT programme despite objections from the UCSC. Request was made to reintroduce from next intake. New GCE (A/L) ICT subject was also considered as a possible course to enter the ICT programme of the UCSC.

Table 2: Internal Undergraduate Programmes

Course	Intake 2012	1st Year Students	2nd Year Students	3rd Year Students	4th Year Students	Total	No of Graduated
Bachelor of Computer Science	-	160	147	140	0	447	104
BSc in Computer Science	40	0	0	0	40	40	39
Bachelor of ICT	-	78	77	76	0	231	59
BSc in ICT	20	0	0	0	20	20	18
UCSC Undergraduates	60	238	224	216	60	738	220
BSc Faculty of Science	-	539	418	280	30	1267	-
Internal Undergraduates	60	777	642	496	90	2005	220

All courses are conducted in English Medium

Visiting Staff

All the academic and academic support staff participated in delivering the internal undergraduate programmes. ICT degree programme consists of many courses that require external support. 17 persons were invited as visiting lecturers to conduct 13 courses of the ICT degree programme.

Industrial Placement

PDC continued to keep a close liaison with the IT industry and for improvement of the academic programmes through industry partnership thereby enhancing the quality of the undergraduates. During the year PDC placed 214 undergraduates at 61 organisations for their 6 months training.

Student Activities

Student activities are carried out through the student union mainly to promote cultural, ritual and recreation activities. Third year pass out students had their batch going down and juniors organized the student sports day. Students also held the Sinhala New Year Festival and Poson bakthee Gee. Students Freshers Welcome and Annual Vani Vizha events were also held. However, many other planned events were cancelled due to three month academic strike. Events organised for students by IEEE and Google was held at the UCSC. UCSC students also participated at Drupal workshop organised by Drupal Lanka.

Student Achievements

UCSC continued to encourage students and staff to participate in national and international competitions. Over the last few years UCSC has won several open awards awarded by NBQSA, e-Swabhimani, APICTA and Manthan. Students have excelled at Imagine Cup and other events.

IEEEExtreme is a global challenge in which teams of IEEE student members compete in a 24-hour time span against each other to solve a set of programming problems. UCSC students first took part at this event in 2011 with 13 teams participating from the UCSC. The number of teams participated from the UCSC increased to 105 students in 35 teams in 2012 and the top UCSC team was placed 207 in the world.

Google Summer of Code is a global program that offers post-secondary student developers ages 18 and older stipends to write code for various open source software projects. 2011 saw the first instance of participation from the UCSC. This was continued in 2012 with one student successfully completed the program.

The World Summit Award (WSA) is a global activity to select and promote the world's best e-Content and most innovative ICT applications. UCSC students have been participating in this since 2010. In 2012 under e-Media & News category "TrafficMate" won under the WSA-mobile Winners Events 2012.

National Best Quality ICT Awards (NBQSA) organised by the BCS the Chartered Institute for IT - Sri Lanka section is held annually for Tertiary Student Projects since 2003. In 2012, Dinuni Fernando, Chandima Fernando, C. Pankajan, Sahan Udana, Dilini Asanga, Samitha Udalagama, Lumini Sahabandu and Lasantha Samarakoon, won Silver award for the "TrafficMate" project and R.M. Gihan B. Wijerathne won a merit award for "OWPS - Open Wave Propagation Simulator".

The 2012 inter-university statistics quiz competition for the Professor V.K. Samaranayake memorial trophy was won by a UCSC students team consists of five Computer Science students from Second and Third years.

University of Colombo School of Computing (UCSC) team comprising of three undergraduates, namely Pankajan Chanthirasegaran, Dinuni Fernando and Sanjaya Amarasinghe from the 3rd year Bachelor of Computer Science degree programme became the runner up at the Hackathon competition organised by Calcey Technologies. Student-teams from six universities (Moratuwa - CSE & IT, UCSC, APIIT, SLIIT, Kelaniya MIT) competed with each other to prove their software development skills.

Kavitha Talent Show organized by the Ministry of Higher Education under different categories. UCSC student was selected for the final round in the Electronic Media - Creative Television Broadcaster of the Year category.

Sports

Ms. C.K. Waduge of UCSC was selected as the University of Colombo Women's Hockey captain.

Graduation

Graduation ceremony was held for 220 students from 4 degree programmes. Students for the ICT degree programme are selected from any A/L stream. In table 3 student performance by stream is also shown for these students.

Table 3: Performance of UCSC Graduates

Intake	First	Upper	Lower	Pass	TOTAL
BCSc	1	2	9	92	104
BICT	0	4	10	45	59
BSc CS	11	18	10	0	39
BSc ICT	6	6	6	0	18
TOTAL	18	30	47	137	220

Graduate employability data although collected and submitted to the HETC project office its analysis was not yet made available to include in the report.

Awards

Prof. V. K. Samaranayake Medal for the Most Outstanding Graduate of the UCSC was awarded to V. B. Wijesuriya. In the CS Degree Programme, three awards namely, Mohan Munasinghe Award for Computer Studies, David Peiris Group Gold Medal for Best Performance in Industrial Training and Virtusa Academic Excellence Award were awarded to Y. P. Gunawardana, M.V. Mathugama and M.S. Ruwanhewa respectively while CINTEC Award for the Best Computer Science Final Year Project was awarded to T.A.M.C. Tantriwatte and N. Wanigasekara. In the ICT Programme, S.R.B. Rajapakse, K.K.G Weerasekara, H.P.D. Jayathilake and W.K.A. Dharshani were awarded the IFS Academic Excellence Award for Best Performance in the Four Year Degree, Sampath Bank Award for the Best Final Year Project, David Peiris Group Gold Medal for Best Industrial Training and Motorola Academic Excellence Award for Best Performance in 3 year Degree respectively.

Attracting good students is our primary concern as it contributes towards the quality of the students we produce. Students enrolling for the undergraduate programme are selected centrally by the University Grant Commission (UGC). It is based on student preference. Currently most student's first choice is either Engineering or Medicine. Also most students were unaware of the UCSC degree programmes and career opportunities in the computing field. Thus UCSC continued to organize workshops over two days for potential new admissions which were well attended. So far those shown interest have not had the opportunity to enrol for the internal programme.

Postgraduate Education

Postgraduate programmes were first offered at Colombo in 1986 through postgraduate diploma programmes. UCSC now offers three masters degree programmes and research degrees have 523 students (Table 4). Master of Computer Science offered since 1990 had 190 students. Information Technology programme offered since 2000 had 178 students. Information Security programme offered since 2011 had 51 students. New Bioinformatics programme jointly conducted with the IBMBB commenced with 12 students. 42 research students are carrying out research leading to MPhil/PhD.

Table 4: Postgraduate Degree Programmes

Course	Intake 2012	1 st Year Students	2 nd Year Students	3 rd Year Students	4 th Year Students	Total	No of Graduated
Master of Computer Science	68	60	80	31	19	190	48
Master of IT	66	57	72	29	20	178	58
MSc in Information Security	26	26	25	-	-	51	-
MSc Advanced Computing	-	-	-	-	12	12	07
PGD Advanced Computing	-	-	-	-	-	-	05
MSc Computer Science	-	-	-	-	20	20	04
PGD Computer Science	-	-	-	-	-	-	16
MSc IT	-	-	-	-	18	18	05
PGD IT	-	-	-	-	-	-	13
MSc Bioinformatics	12	12	-	-	-	12	-
Taught PGD	172	155	177	60	89	481	156
MPhil	10	10	13	05	14	42	03
Total	182	165	190	65	103	523	159

All courses are conducted in English Medium

Masters Programmes

Each programme caters towards distinct categories of people.

The *Master of Information Technology* (MIT) is a programme targeted at graduates in disciplines other than computing who wish to pursue a career in an IT related area. This is also suitable for those who wish to specialize in a multidisciplinary field overlapping with IT such as Management, Networking or Multimedia technology.

The *Master of Computer Science* (MCS) programme is designed for CS/IT professionals who already possess a degree in Computing and who wish to acquire a postgraduate qualification in CS/IT with research exposure.

The *Master of Science in Information Security* (MSc IS) programme is designed for graduates who wish to acquire a postgraduate qualification in the area of Information Security. This programme offers mid-career opportunities for those working in the areas of information technology, information system audit and information security.

First year of the new two year masters programme in Information Security for 25 students was completed. Two ongoing master's programmes in Computer Science and Information Technology continued to enrol nearly 150 students. New master's programme in Bioinformatics was designed in collaboration with IBMBB of the University of Colombo.

Awards

Kingslake award for the best student for Master of Computer Science Degree Programme was given to Ms. T.L.O Jayatunge while JICA award for the best student for Master of Information Technology was awarded to Mr. G.G.K.P Gunawardana.

External Degree & Extension Courses

BIT external degree programme enrolled 5,769 students while 528 followed the extension programmes.

BIT programme alone has attracted 27,148 since its inception. In 2012, 2031 new students joined the programme (Table 5). This was a reduction due to the delay in releasing the 2012 GCE (A/L) results. This year too BIT students were provided access to computing resources through NODES centres of the Ministry for a very nominal fee.

Table 5: External Degree Programme

Course	Intake 2012	1st Year Students	2nd Year Students	3rd Year Students	Total	No of Graduated
Diploma in Information Technology	2031	2811	1044	314	4169	654
Higher Diploma in IT	715	1358	501	531	2390	262
Bachelor of Information Technology	312	314	531	568	1413	172
All		2811	1545	1413	5769	

Table 6 highlights the performances of the BIT students over the last five years identifying number registered and graduated along with targets.

DIT Registration

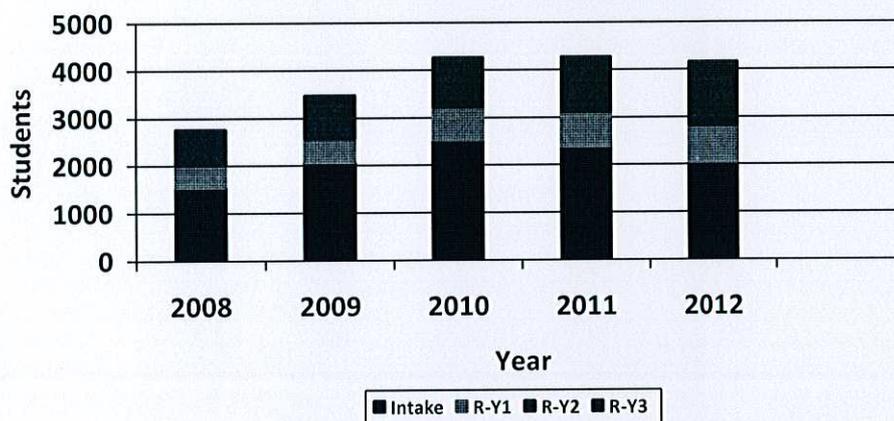


Table 6: External Degree Performance over last Five Years

External Undergraduates	KPI	2008	2009	2010	2011	2012
DIT - New Intake	2000	1540	2052	2514	2365	2031
DIT – Repeaters	-	1236	1438	1767	1922	2138
DIT – Diplomas	600	607	429	361	576	654
HDIT - Higher Diploma Intake	600	588	537	549	648	715
HDIT - Higher Diploma Registered	2000	1700	1749	1863	2019	2390
HDIT - Higher Diplomas	300	386	310	199	309	262
BIT - Degree Intake	300	236	258	228	279	312
BIT - Degree Registered	1200	1102	1126	1188	1293	1413
BIT – Graduates	150	138	161	140	129	172

Intake excludes repeaters

Note: 2008 (HDIT), 2009 (BIT) saw the introduction of GPA based evaluation system and a major curriculum revision under eBIT project. 2009 graduates benefitted from the relaxation of the requirement to pass all compulsory courses. 2011 introduced a minimum D grade for each course to fulfil the degree criteria.

Graduation

Performance of those participated at the 2011 convocation held on 4th April 2012 is shown in Table 7. 129 graduates were conferred the degree at this Convocation. 98 (87%) were already employed and out of the 15 (13%) unemployed only 6 (5%) was looking for employment. 16 (12%) students didn't respond to the employability questionnaire.

Table 7: Those Graduated at the Convocation held in 2012

Intake	First	Upper	Lower	Pass	TOTAL
BIT	3	5	8	113	129

Awards

Prof. VK Samaranyake Medal for the Best Performance at the Bachelor of Information Technology (External) Degree was awarded to Mr. S.P. Premaratne. Ms. Z.M. Nawfhal was awarded the best individual project award. Best e-Learner awards for the 4 semesters were awarded to H.N.C. Wijayawardhana (I), II not awarded, Mr. K.A.T. Jayalath (III) & Mr. W.A.M.L.B. Karunarathna (IV).

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 2011/12, 33 institutions from 14 districts conducted training for five or more candidates. Among them 10 institutions were involved in all three years (marked * in the Table 8).

Table 8: Institutes involved in the BIT Programme

District	Institute
Ampara	(2) Global Institute of Professional Education
Badulla	(2) Code J IT Services
Bandarawela	(2) Esoft Computer Studies
Batticaloa	(2) Esoft Computer Studies
Colombo	(10) *Earth International (11) EASL J Lanka Computer Training Institute (12) *Esoft Computer Studies (13) Foundation of IT Professionals (14) *IDM Computer Studies (15) *Matrix Institute of IT (16) *Openarc School of Business and Technology (17) Rotary Management Centre (18) *WideAwake Solutions
Galle	(2) Esoft Computer Studies

Gampaha	(5) *Earth International (6) Esoft Computer Studies, Gampaha (7) Esoft Computer Studies, Negombo (8) Urban College for Business and Technology
Jaffna	(5) BIT Corner (6) Esoft Computer Studies (7) MIS (8) *Mobile@Net Computer Services
Kandy	(6) *Esoft Computer Studies (7) IDM Computer Studies (8) Infortec International Institute (9) Matrix Institute of IT (10) National Institute of Co-operative Development
Kegalle	(2) Institute of Computer Studies
Kurunegala	(2) *Esoft Computer Studies
Matara	(3) Dbase School of Computing (4) *Esoft Computer Studies
Monaragala	(2) Global Institute of Professional Education
Ratnapura	(2) Esoft Computer Studies

UCSC also continued to offer over ten extension certificate courses attracting over 500 students. Table 9a identifies the details of the CSC courses (programmes) conducted by the UCSC.

Table 9a: CSC Training Programmes

Course	B	P
Advanced Java Application Development using J2EE	3	70
Advanced Multimedia Web Design and Development Techniques	3	61
Computer Aided Drafting Using AutoCAD 2008	2	68
Dynamic Web Development with PHP and MySQL	3	67
Embedded Systems Design & Development	2	23
Embedded Systems Workshop	1	27
Graphics Design and Creativity Development	1	11
JAVA Application Development	3	76
PHP & MySQL	1	12
Project Management Workshop	1	56
Unix Linux Fundamentals, Network & System Administration (C)	2	57
TOTAL	22	528

FIT Programme

The Foundation in Information Technology (FIT) programme aims at enhancing the literacy and competency in using basic computer applications together with analytical thinking and communicational skills required for school leavers. It was introduced in 2008 and it is considered as an alternate qualification to enter the BIT degree programme. Most who do not have GCE (A/L) three passes take the FIT theory component to qualify for the BIT. FIT also include a practical component and 15 successfully completed during the year (Table 9b).

Table 9b: FIT Certification Programme

Certification	Registered	Pass	Qualified for BIT
FIT	618	15	312

Foreign Students

To be accepted as a centre of excellence in the region it is important to attract foreign students. Although foreign student category to enrol students had been there for a while only students who have done their A/L elsewhere but with local connections have applied so far. During 2011 first student enrolled under the foreign student category for the CS degree programme and currently in year 2. He was a local who had studied overseas. Details of foreign student enrolment are given in Table 10. There were two foreign applicants for the postgraduate degree programme which is due to commence in early 2013.

Table 10: Foreign Students

Course	Medium	Intake 2011	1st Year Students	2nd Year Students	3rd Year Students	4th Year Students	No of Graduated
Computer Science	English	01	-	01	-	-	-

New Courses Started

Enhancing ICT skills and Improving English Language Skills programmes were launched by the ministry through the HETC funding in 2011. UCSC was asked to evaluate them again in 2012/13 at all universities which commenced with pre-testing at two universities.

UCSC continued to hold e-Testing for selecting students for the BIT programme and also implemented similar testing environment for the Institute of Chartered Accountants (ICA) students. Information of the new courses commenced is given in table 11.

Table 11: New Courses

Course	Medium	Certificate	Diploma	Postgraduate Diploma	Master	M.Phil	Ph.D
Online IT & English	English	2	-	-	1	-	-

RESEARCH

Research, Innovation and Publications

Research is carried out under different research groups and through research students. UCSC admits graduates with good first degree results in Computer Science/Engineering for its full/part time (FT/PT) MPhil programme mainly centred on research projects in progress. 10 new students registered during the year and one evaluation was held. Currently there are 41 MPhil students and 1 PhD student doing research degrees under 16 senior academics of the UCSC (Table 12). Nine MPhil students had publications during the year and three successfully defended their thesis.

Table 12: Postgraduate Students

Students	FT	PT	Total	New
TOTAL	21	21	42	10

To promote research at the UCSC a research fund was established with utilisation guidelines in 2009. Since the initial contribution of 4 million from the masters and BIT this fund has continued to grow through generated funds and it now stands at 25.8 million. Senior staff could annually utilise up to 250,000 rupees to participate at research meetings and publish research in international conferences and journals. This increased annual UCSC publications from 30s to 60s. Among the years publications 52 were conference papers held in 16 countries. 27 (80%) academic staff published research papers and 10 international researchers co-authored eight collaborative research publications. Table 13 gives the details of the publications.

Prof. Robert Ramberg, Stockholm University visited UCSC under HETC project to supervise a research student. Peter Mozelius, Stockholm University also came during the same period to evaluate the current status and impact of the one laptop per child project. Lecture from Prof. Anantharaman from Chennai was held for the undergraduates. Two persons from National University of Singapore visited UCSC to talk to students about undergraduates at NUS. Prof. Abu Asaduzzaman of Wichita State University, US made a presentation on his CAPPLab research activities to staff and students.

Table 13: Research Summary

Subject	Published	Commercialized	Presented
No of Researches	103	-	52
No of Innovations	-	-	-
No of Journals	5	-	-
No of Books	-	-	-
No of Articles	53	-	-
Other	1	-	-
Total	59	-	52

Conferences, Seminars & Workshops

Setting up mechanisms for identifying & carrying out relevant research is another strategy of the UCSC. Organising the annual UCSC Research Symposium for Final Year undergraduates was continued. A Research Day to disseminate research carried out by staff was introduced this year with the participation of the overseas external examiner. UCSC also continued to publish two online issues and one printed issue of the ICTer Journal. Organize International IT Conference for Emerging Regions workshops at UCSC. UCSC also revised mechanism for utilizing Research Fund by all academics to encourage further involvement in research.

UCSC successfully held the annual Prof. V.K. Samaranayake oration at the UCSC where Prof. J.B. Disanayake was the orator. UCSC also advertised to attract the first visiting professor under the Prof. V.K. Samaranayake endowment fund. Details of the conferences, seminars and workshops are given in table 14.

Table 14: Conferences, Seminars and Workshops

Subject	Participated	Published	Presented
Senior Academics local conferences	20	3	0
Senior Academics International conferences	19	57	9
UCSC Symposium (abstracts)	85	17	15
Organized International Conference (ICTer)	223	37	51
ICTer Journal	7	2	0
Total	354	116	75

Awards Received

The e-Swabhimani is an initiative of the ICTA of Sri Lanka aimed at recognizing excellence in digital content creation. Since 2010 UCSC students have been participating and winning awards. In 2012 UCSC students won the e-Science and Technology category for the “Facial Muscle Anatomy based approach for Forensic Facial Reconstruction in Sri Lanka” a standard alone system in English produced by 4th year ICT students of the UCSC, namely: Roshan Rajapakse, A.K. Madugalla, P.I.U. Amarasinghe & V.H. Padmathilake together with the Department of Forensic Medicine, University of Sri Jayewardenepura under the supervision of Dr. A.T. Dharmaratne & Mr. K.D. Sandaruwan. UCSC also won another award under e-Science and Technology category for the “Field Artillery Simulation System (FASS)” a standard alone system in English produced by Staff together with the Centre for Research and Development, Ministry of Defense, School of Artillery. Two certificate of appreciation was also awarded in the eLearning and Education category for the “ICT based Education for students with Special Educational needs” an offline system in Sinhala produced by 4th year ICT students of the UCSC, namely: M.D. Nadira Tharanga Perera, T.G. Induni Shamika, Dilrukshi Wijeratne and D.P. Manori Madhubhashini Wijesooriya under the supervision of Dr. A.T. Dharmaratne & Dr. A.R. Weerasinghe; and the 2012 e-Entertainment and Games category “Saasthara a Facebook apps” in Sinhala produced by 2nd year students of the UCSC, namely: K.H. Madusha Kumarasiri & S.M.D.R. Subasinghe.

Mr. K D Sandaruwan was awarded the Hiran Tillekeratne Research Fund 2011 Award for Outstanding Postgraduate Research in Information Technology based on his postgraduate research work carried out during the 2009-2011. ICTA recognised the contributions made by Dr Ruvan Weerasinghe and Mr. Harsha Wijewardena for the development of Local Languages. The University of Colombo Research Award (UCSC) - 2011 was awarded to Dr. K.P. Hewagama of the UCSC

Table 15: Research Awards

Subject	No of Awards	No of Academics	No of Students
Local Awards	1	-	-
National Awards	2	3	4
International Awards	-	-	-
Other	3	-	-
Total	6	3	4

Academic Staff

During the year Information Systems Manager post was filled after eight years. One academic returned after completing his PhD. Administrator who went on sabbatical resigned and well as the Programmer-cum-Systems Analyst. Two computer application assistant posts and a receptionist post were filled during the year. However vacancies exist for nearly half the carder positions. Retaining trained technical personal and attracting good young academics were extremely difficult due to better prospects in the private sector. Beside the permanent staff to carry out daily activities UCSC rely on visiting staff to deliver some of their programmes.

In order to attract international human resources short term visiting researchers from Australia, Sweden and India was hosted during the year. UCSC also continued with the staff exchange programme under Linnaeus Palme Project with Umea University, Sweden and Swedish staff member successfully conducted a course in

Colombo. Dr Erik Billing of Dept. of Computer Science, Umea University Sweden visited under the Linnaeus Palme programme. He conducted some undergraduate and postgraduate classes during his stay in June-July.

Details of the UCSC academic staff is given in table 16.

Table 16: Staff Research Areas

Subjects	Medium	Senior Professor	Professor	Senior Lecturer	Lecturer	Asst Lecturer	Instructor
Computing (P)	English	-	02	18	15*	-	04
Computing (C)	English	-	-	-	01	04	07

*06 on leave

Non-Academic Staff: Permanent (P) Contract/Assignment (C/A)

Efforts were put into the development and implementation of management and strategic information system. Outcome was not encouraging due to less involvement by the potential users. Implementation work of the ongoing Examination Processing System was affected due to the resignation of the programmer-cum-systems analyst and no-replacement found yet due to existing low salary scales in the university system. Online payment facility for external and extension programmes and postgraduate programmes continued.

Details of the UCSC non-academic staff is given in table 17. Although carder for over 100 Non-Academic and Project staff were approved UCSC only 35 permanent position have been fill and the most of the work is carry out by contract and assignment staff. Resignation of the deputy registrar also affected the progress of the institute.

University of Colombo recognised 3 UCSC staff members, Mr. K.S. Goonathilake, Mr. R.M. Weerasiri and Mrs Asoka Rajapaksha for completing 25 years of service.

Table 17: Non-Academic Staff

Type	Most Senior(Admin)	Senior Staff	Junior Staff	Minor Employees	Project Staff
P	5	4	18	7	-
C	1	4	19	14	21
A	2	-	6	-	10

Staff Training and Overseas Leave

Training leave: Two academic staff participated at training programmes held overseas.

Dr. TNK De Zoysa (India), Mr. WMR Weerasuriya (Malaysia)

Ten academic staff participated at conference overseas involving 12 visits.

Dr. DAS Atukorale (Singapore), Dr. HA Caldera (Thailand), Dr. (Ms.) Y Ekanayake (Spain), Mr. MGNAS Fernando (Spain), Dr. (Ms.) MDJS Goonetilleke (Australia), Dr. CI Keppetiyagama (China), Prof. ND Kodikara (Indonesia), Dr. DN Ranasinghe (Singapore), Dr. AR Weerasinghe (India, UK), Prof. GN Wikramanayake (India twice).

Two academics went on study leave of which one assumed duties subsequently. Five academics continued to

be on study leave while other returned after PhD.

New: Mr. HM Siriwardana (Japan), Mr. SSP Matharaarachchi (Sri Lanka) [assumed]
Continued: Mr. HEMHB Ekanayake (Sweden), Ms. LNC De Silva (Sri Lanka), Ms. FHAM Premachandra (Australia), Ms. TA Weerasinghe (Sweden), Mr. MIE Wickramasinghe (Malaysia)
Returned: Dr. TMHA Usoof (Sweden)

Other: Ten staff members including two non-academics involving 13 visits had overseas for other reasons.
Dr. TNK De Zoysa (Korea), Dr. AT Dharmaratne (Sweden), Mr. KS Goonathilake (India), Mr. DN Gunawardena (India), Dr. KP Hewagamage (Bhutan, India, Japan), Mr. RS Madanayake (Bhutan), Mr. GP Seneviratne (UAE), Ms. KPC Rathnalatha (India), Dr. AR Weerasinghe (Pakistan), Prof. GN Wikramanayake (Australia, Brunei).

FINANCE

Recurrent Expenditure

UCSC contributes towards the day to day operations using generated income as treasury funds are inadequate to carry out the undergraduate activities. Cost per undergraduate student is 149,000. UCSC contributed 27 million for the internal undergraduate programme which was 16% of its generated income. Breakdown of recurrent expenditure is given in table 18.

Table 18: Recurrent Expenditure Rs. 000'

Subject	2010	2011	2012
Personal emoluments	68,015	79,931	92,840
Travelling	484	1,132	528
Supplies	3,895	4,227	4,579
Maintenance	2,906	3,627	3,057
Contractual Services	23,453	26,675	29,701
Other	54,672	56,915	57,357
Total	153,425	172,507	188,062
Government Allocation	65,381	83,102	91,802

Capital Expenditure

UCSC invested in physical resources to improve its computing and office facilities. Also construction work of the building extension continued during the year including utilisation of the newly constructed 4th floor extension of the East Wing. Computers at finance & admin branches were replaced with new computers. Printers, printers with scanning, firewall, network switches purchased were purchased to improve IT facilities. Heavy duty printer, booklet maker and collating machine purchased to meet the heavy printing loads of the institute. Details of capital expenditure are given in table 19.

Table 19: Capital Expenditure Rs. 000'

Subject	2010	2011	2012
Acquisition of furniture & Office Equipments	6,043	2,656	14,604
Acquisition of Machineries	-	-	-
Acquisition of Building & Structures	-	15,420	22,327
Other	15,257	10,099	4,076
Total	21,300	28,175	41,007
Government Allocation	3,420	16,000	19,150

Projects (Local/Foreign Funded)

Beside research based projects UCSC carry out consultancy services to public and private sector. UCSC is well known for some of its work in the past. UCSC has assisted with the National Elections since 1981. Birth Marriage certificates are now issued over the counter using UCSC software. Sinhala language is supported in modern computers due to the efforts of UCSC through the design and development of Sinhala Unicode. Implementation of a university student selection and allocation system for the UGC was one of the major development activities carried out by the UCSC. This will significantly reduce the time taken for university admissions as well as the accuracy of the process adopted. UCSC also continued to carrying out Digital Forensic activities to assist court cases.

While maintaining strategic partnerships with key stakeholders the UCSC continued implementation of e-Government projects in the country and commenced new projects with HETC and Government Ministries. UCSC was successful in the HETC Window 4 - Research Dissemination and Commercialization of Research Projects and Innovations proposal. Work on the HETC EDP commenced with all planed activities held during the year. UCSC, through Theekshana secured another Royal University of Bhutan assignment and successfully trained their staff to develop e-learning content through World Bank funding. Theekshana, a UCSC owned company generated nearly Rs. 22 million of which over Rs. 4 million was in foreign exchange securing single source projects from World Bank funded projects of ICTA and HETC.

UCSC has a strong research group in several disciplines. Modelling & Simulation, e-Learning and Language Technology are among those that have reached the user community. Ongoing research projects included M-ATM, FASS and Copsayura. Details of the UCSC research projects carried out and their expenditure are listed tables 20 and 21.

Rs. 000'

Table 20: Recurrent Expenditure

Name & Detail	Grant	Funding Agency	TCE	RFA	DF
M-ATM (2008-11)	7,596	Royal Inst. of Tech.(KTH), Sweden			
Tele centre.Org (2010-11)	2,856	Telecentre Foundation, Philippines			
Foreign Funds	10,452				
FASS (2011-2012)	1,308	Ministry of Defence, Sri Lanka			
Copsayura (2011-13)	1,934	National Science Foundation			
Local Funds	3,242				

TCE – Total Cost Estimated; RFA – Request for Applications; DF – Discount Factor

Project Expenditure (Local/Foreign Funded)

Rs. 000'

Table 21: Project Expenditure

Name	TCE B/F Accu. Cost	Exp in 2011	Exp in 2012	Cumulative Exp as at 31.12.2012	% of Physical Progress
M-ATM	4,878	787	697	6,362	84%
Tele centre.Org	1,828	562	168	2,558	90%
Foreign Project Exp	6,706	1,349	865	8,920	
FASS	-	40	970	1,010	77%
NSF	-	-	1,709	1,709	88%
Local Project Exp	-	40	2,679	2,719	

Financial Progress (Expenditure)

Table 22: Financial Progress (Expenditure) Rs. 000'

Subject	Provision	Exp	Savings/Excess
Recurrent except Project	190,370	172,507	17,863
Capital except Project	84,425	28,175	59,250
Project - Local funded	2,679	2,679	-
Project – Foreign funded	865	865	-
Total	278,339	204,226	74,113

Financial Progress (Generated Income)

Table 23: Financial Progress (Generated Income) Rs. 000'

Source of Revenue	Provision	Collection	Deficit / Surplus
Undergraduate Studies	96,366	94,494	1,872
Postgraduate Studies	55,881	67,170	(11,289)
Consultancies	28,974	21,210	7,764
External Degree	65,308	69,823	(4,515)
Other	-	-	-
Total	246,529	252,697	(6,168)

Excluding the Undergraduate income UCSC earned 195,000. Generated income of the UCSC was much higher than most universities and higher education institutes, including its main university.

Financial Performance Analysis

Table 24: Financial Performance Analysis Rs. 000'

Subject	Formula	Exp. per Student
Recurrent Expenditure per Student (RE)	RE / No of Student strength	149
Capital Expenditure per Student (CE)	CE / No of Student strength	42
Total		191

Infrastructure Facilities

UCSC operate with limited space with inadequate space to conduct lectures. Students do not have adequate space in the canteen, common and study rooms. As the university was unable to provide land UCSC commenced Build West wing and fourth floor extensions to meet shortage in undergraduate classrooms and to accommodate fulltime research students. During the year East Wing lecture hall was completed and handed over for student use.

While meeting the short term infrastructure needs expansion plans were designed to meet medium and long term goals. Construction of a canteen and administrative building at the current canteen location was identified along with replacing the existing auditorium with lecture halls/study rooms cum auditorium were among the medium term goals. Requirement to set up buildings outside the University of Colombo was also identified as long term goals. Details of the building work are given in table 25.

Table 25: Infrastructure

Rs. 000'

Infrastructure Details	Expenditure (Rs)	Physical Progress
UCSC Building Extension	22,328	96%

Any Other Details / Performance Relevant to this Report

To enhance visibility locally and internationally monthly print media coverage of UCSC activities was maintained along with redesigning of the UCSC web site to improve presence.

UCSC considers taking IT education and products to the periphery is one of their social responsibilities. During the year UCSC partnered with Rupavahini Corporation to introduce educational programme for A/L students. UCSC also continued community interface through SLBC Radio programme conducted every Wednesday morning from 9 to 10. UCSC also assist Ministry of Education and Schools in conducting Software Competitions including the International Olympiad in Informatics. UCSC Digital Torana was displayed as part of the vesak festival for the 3rd occasion.

UCSC provided real opportunities for students to exercise social responsibility both within and outside the university. Several workshops were organised by the students. Over 180 staff and family joined the UCSC Annual Welfare Trip which was to Arugam Bay. UCSC continued with the staff medical insurance scheme.

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING
UNIVERSITY OF COLOMBO
COMBINED BALANCE SHEET AS AT 31ST DECEMBER 2012

<u>ASSETS</u>	2012 Rs	2011 Rs
<u>Non Current Assets</u>		
<u>Property, Plant & Equipment</u>		
Buildings	12,643,800	13,609,495
Lab & Teaching Equip. Furniture & Fittings	60,601,400	63,508,994
Library Books and Periodicals	990,690	882,382
Motor Vehicles	3,774,644	5,015,623
Total	78,010,534	83,016,494
Rehabilitation and Improv. of Capital Assets.	30,413,602	31,309,842
Construction Work in Progress	37,748,579	15,420,756
<u>Current Assets</u>		
Inventories	2,442,445	2,588,631
Receivables & Prepayments	38,602,043	33,202,229
SIDA Funds	-	60,429,110
Cash & Cash Equivalent	581,177,143	482,533,173
Total Current Assets	622,221,631	578,753,143
TOTAL ASSETS	768,394,353	708,500,240

EQUITY & LIABILITIES

Capital & Reserves

Capital

Capital Grant Unspent	4,857,245	3,361,251
Capital Grant Spent	57,564,972	39,984,898
Foreign Funded Projects-Unspent	1,336,470	7,823,342
Foreign Funded Projects-Spent	30,803,032	11,684,294
Differed Gants	-	37,430,874
Contribution from the UoC	8,155,714	8,155,714
Total	102,717,433	108,440,373
Reserves	433,117,827	342,298,905
Restricted Funds	67,859,485	54,954,738

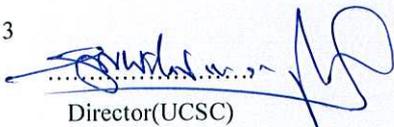
Non Current Liabilities

Retirement Benefit	27,573,818	23,393,238
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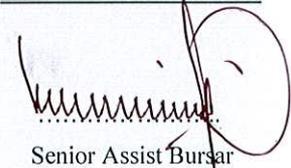
Current Liabilities

Other Accruals & Payables	137,051,170	117,960,098
SIDA Funds	-	60,429,110
Bank Overdraft	74,620	1,023,778
Total	137,125,790	179,412,986
TOTAL EQUITY & LIABILITIES	768,394,353	708,500,240

28.02.2013


 Director(UCSC)

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 Senior Assist Bursar

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

UNIVERSITY OF COLOMBO

COMBINED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST DECEMBER 2012

	2012 Rs	2011 Rs
<u>Undergraduate Programme</u>		
<u>Income</u>	-	-
Government Grant	91,802,000	83,102,728
Deferred Income - Grants	14,629,135	19,778,039
Other	2,671,894	4,879,143
	109,103,029	107,759,910
<u>Undergraduate Programme -Expenditure</u>	-	-
Personnel Emoluments	60,733,791	50,717,167
Traveling expenses	37,701	387,447
Supplies	2,927,786	2,424,562
Contractual services	26,818,704	24,159,062
Retirement Benefits	13,726,350	8,133,475
Subscription, Contri. and Membership Fee	36,929	44,139
Staff Development	106,270	349,643
Other Recurrent Expenses	6,825,057	6,094,293
Depreciation	14,629,135	18,551,317
Total	125,841,723	110,861,105
Deficit from Undergraduate Programme	(16,738,694)	(3,101,195)
<u>Extension Programme</u>	-	-
M Sc. Programme	41,891,163	30,760,124
External Degrees Centre	40,714,205	43,468,371
Computing Services Centre	2,137,334	654,128
Advanced Digital Media Technology Centre	827,464	175,248
e Learning Centre	18,105,244	1,972,517
Professional Development Centre	(520,064)	(461,413)
Surplus from Extention Programme	103,155,346	76,568,975
<u>Projects</u>	-	-
Foreign Funded Common Projects	10,792,226	-
ICTer Conference-2012	147,339	-
IDRC Vertual Village	95,992	65,944
Surplus from Projects	11,035,557	65,944
Net Surpluses/(Deficit)	97,452,209	73,533,724

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING
UNIVERSITY OF COLOMBO

COMBINED CASHFLOW STATEMENT FOR THE YEAR ENDED 31ST OF DECEMBER 2012

	2012 Rs	2011 Rs
Cash flow from operating activities		
Deficit/Surplus for the year	97,452,209	73,533,724
<u>Adjustment for</u>		
Depreciation -	25,210,600	25,380,877
Provision for Gratuity	4,407,740	3,233,192
Overprovision for Depreciation	0	(67,655)
Differed Income	(22,142,464)	(23,974,726)
Transfer from Previous Grant Received	(10,901,365)	(5,245,357)
Profit from sales of property plant & equipment	(96,450)	(1,283,000)
Exchange Gain	(11,616,474)	(784,747)
Operating surplus before working capital changes	82,313,796	70,792,308
Working capital changes	9,792,438	8,070,977
Net cash generated from operating activities	92,106,234	78,863,285
Cash flows from investing activities		
Acquisition of property plant & equipment	(16,146,779)	(28,430,366)
Payment on Construction	(22,327,823)	-
Proceeds from sales of property plant & equip.	96,450	1,283,000
Rehabili. & maintenance of property plant& equip	(1,905,331)	(561,288)
	51,822,751	51,154,631
	-	-
Cash flows from financing activities		
Capital grant received	19,150,000	18,205,340
Project Grant Received	5,639,052	6,202,608
Transfer of Completed Project Balances	(2,503,889)	(5,805,939)
NeLC Project Transfer	-	(379,400)
ICTer Conference	1,191,152	-
Gratuity paid	(227,160)	(73,688)
Receipts from Restricted Funds	12,904,748	12,093,420
Net Increase/decrease in cash and cash equivalent	87,976,654	81,396,972
Exchange Gain/(Loss)	11,616,474	784,747
Cash and cash equivalent at the beginning of theyear	481,509,396	399,327,677
Cash and cash equivalent at the end of the year	581,102,523	481,509,396

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

FINANCIAL HIGHLIGHTS

Rs. '000

Financial Year	2012	2011	2010	2009	2008	2007	2006
Balance sheet							
Cash & Cash Equivalent	581,177	481,510	401,220	327,808	260,935	201,245	164,656
Receivables & Prepayments	38,602	33,202	35,580	34,859	32,253	19,219	13,058
Inventories	2,442	2,588	3,251	2,404	2,126	1,548	1,859
SIDA Funds managed by UCSC	-	60,429	222,763	186,424	77,020	81,555	86,432
LEARN Funds managed by UCSC	-	-	51,256	74,896	49,024	61,861	27,695
Rehabilitation and Improv. of Capital Assets.	30,413	31,309	34,381	21,694	20,455	18,918	16,231
Construction works in Progress	37,749	15,420	-	-	-	-	-
Property, Plant & Equipment	78,011	83,016	81,261	75,535	83,684	88,079	115,581
Total Assets	768,394	707,474	829,712	723,620	525,497	472,425	425,512
Capital	102,717	108,440	105,296	108,690	109,010	102,707	124,218
Reserves	433,118	342,299	272,126	232,899	179,578	138,765	109,647
Restricted Funds	67,859	54,954	43,215	30,110	22,528	19,597	18,457
Other Liabilities	164,700	201,781	409,075	351,921	214,381	211,356	173,190
Total Liabilities & Funds	768,394	707,474	829,712	723,620	525,497	472,425	425,512
Government Grant - Recurrent	91,802	83,102	65,381	68,610	71,555	78,695	52,850
Government Grant - Capital	19,150	16,000	4,920	4,167	11,055	10,560	36,740
Total Govt. Grant Received	110,952	99,102	70,301	72,777	82,610	89,255	89,590
Recurrent Expenditure U/Programme	111,212	92,310	80,120	84,461	80,083	76,564	65,617
Capital Expenditure	31,178	28,628	21,301	8,542	12,764	12,305	29,064
Total expenditure U/programme	142,390	120,938	101,421	93,003	92,847	88,869	94,681
Contribution to U/Prog. from Generated income	31,438	21,836	31,120	20,226	10,237	-	5,091
Contribution to U/Prog. from Generated Gross income -%	16%	14%	25%	17%	10%	0%	9%
Contribution to U/Prog. from Generated Net income -%	28%	28%	62%	35%	18%	0%	21%
Generated Income	194,230	159,429	123,267	115,690	105,426	68,494	58,981
Recurrent Expenditure Extension Programmes	82,390	80,197	73,313	58,399	47,316	40,117	35,141
Grant Received for the foreign funded projects	5,639	6,202	93,581	104,834	70,969	35,700	46,356
No. of Internal students	737	737	739	748	754	584	592
No. of Employees	144	144	151	162	156	147	139
Cost per student P.A. ('000)	151	125	108	113	106	131	111
Cost per employee P.A. ('000)	670	578	457	414	384	372	359

SMB



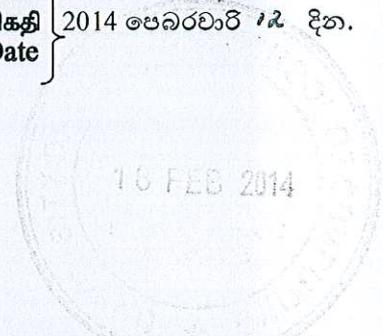
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கணக்காய்வாளர் தலைமை அகிபுதி திணைக்களம்
AUDITOR GENERAL'S DEPARTMENT



මගේ අංකය } රීට්/සී/යූසීට්ස්සී/
 எனது இல } 2012/එස්එස්
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 Your No }

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 திகதி }
 Date }



අධ්‍යක්ෂ,
 කොළඹ විශ්වවිද්‍යාලීය පරිගණක අධ්‍යයන ආයතනය.

කොළඹ විශ්වවිද්‍යාලයට අනුබද්ධිත පරිගණක අධ්‍යයන ආයතනයේ 2012 දෙසැම්බර් 31 දිනෙන් අවසන් වර්ෂය සඳහා වූ මූල්‍ය ප්‍රකාශන පිළිබඳ 2002 අංක 01 දරන කොළඹ විශ්වවිද්‍යාලීය පරිගණක අධ්‍යයන ආයතන නියමාවලියේ 23 වන වගන්තිය හා 1978 අංක 16 දරන විශ්වවිද්‍යාල පනතේ 108(1) උපවගන්තිය ප්‍රකාර විගණකාධිපති වාර්තාව.

සමාංක හා 2013 ඔක්තෝබර් 31 දිනැති මාගේ ලිපියට යොමුවේ.

02. ඉහත සඳහන් ලිපිය සමඟ එවන ලද මාගේ වාර්තාවේ ඉංග්‍රීසි අනුවාදය මේ සමඟ එවා ඇත.


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- පිටපත් :
1. ලේකම් , උසස් අධ්‍යාපන අමාත්‍යාංශය
 2. ලේකම් , මුදල් හා ක්‍රමසම්පාදන අමාත්‍යාංශය
 3. සභාපති , විශ්වවිද්‍යාල ප්‍රතිපාදන කොමිෂන් සභාව
 4. උපකුලපති , කොළඹ විශ්වවිද්‍යාලය.

අංක 306/72 පොල්වූව පාර,
 බත්තරමුල්ල , ශ්‍රී ලංකාව

இல. 306/72, பொல்துவ வீதி,
 புத்தரமுல்லை இலங்கை

No.306/72, Polduwa Road,
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 பக்ஸ் இல } 2887223
 Fax No. }

ඉලෙක්ට්‍රොනික් තැපෑල }
 #- மெயில் } oaggov@slt.net.lk
 E-mail. }



විගණකාධිපති දෙපාර්තමේන්තුව

கணக்காய்வாளர் துறைமொ சித்திபதி திணைக்களம்

AUDITOR GENERAL'S DEPARTMENT



මගේ අංකය
எனது இல
My No

EC/C/UCSC/2012/FA

ඔබේ අංකය
உமது இல
Your No.

දිනය
திகதி
Date

31 October 2013

The Director
University of Colombo School of Computing

Report of the Auditor General on the Financial Statements of the School of Computing affiliated to the University of Colombo for the year ended 31 December 2012 in terms of Section 23 of the University of Colombo School of Computing Ordinance No.01 of 2002 and Sub section 108 (1) of the Universities Act No.16 of 1978

The audit of financial statements of the School of Computing affiliated to the University of Colombo for the year ended 31 December 2012 comprising the statement of financial position as at 31 December 2012 and the statement of comprehensive financial performance and cash flow statement for the year then ended and a summary of significant accounting policies and other explanatory information, was carried out under my direction in pursuance of provisions in Article 154(1) of the Constitution of the Democratic Socialist Republic of Sri Lanka read in conjunction with Section 23 of the University of Colombo School of Computing Ordinance No.01 of 2002 imposed under Sub section 107 (5) and Section 18 of the Universities Act No.16 of 1978 and 108 (1) of the Universities Act. My comments and observations which I consider should be published with the Annual Report of the Institute in terms of Sub Section 108(1) of the Universities Act appear in this report. A detailed Report in terms of Sub Section 108(2) of the Universities Act was furnished to the Director of the institute on 23 July 2013.

1:2 **Management's Responsibility for the Financial Statements**

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Sri Lanka Public Sector Accounting Standards and for such internal control as the management determines is necessary to enable the preparation of financial statements that are free from material misstatements, whether due to fraud or error.

අංක 306/72 පොල්දූව පාර,
බත්තරමුල්ල, ශ්‍රී ලංකාව

இல. 306/72, பொல்துவ வீதி,
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No.306/72, Polduwa Road,
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பக்ஸ் இல
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#- மெயில்
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1:3 **Auditor's Responsibility**

My responsibility is to express an opinion on these financial statements based on my audit. I conducted my audit in accordance with Sri Lanka Auditing Standards. Those Standards require that I comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatements of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the institute's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the institute's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of financial statements. Sub - sections (3) and (4) of Section 13 of the Finance Act, No. 38 of 1971 give discretionary powers to the Auditor General to determine the scope and extent of the audit.

I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my qualified audit opinion.

1:4 **Basis for Qualified Audit Opinion**

My opinion is qualified based on the matters described in paragraph 2.2 of this report.

2. Financial statements

2:1 Qualified Opinion

In my opinion, except for the effects of the matters described in paragraph 2:2 of this report, the financial statements give a true and fair view of the financial position of the School of Computing affiliated to the University of Colombo as at 31 December 2012 and its financial performance and cash flows for the year then ended in accordance with Sri Lanka Public Sector Accounting Standards.

2.2 Comments on Financial Statements

2:2:1 Preparation of Consolidated Accounts

The School of Computing had established a company limited by guarantee, namely Theekshana and 80 per cent of the Board of Management of the company is the Board of Management of the School of Computing and financial statements of the company limited by guarantee had not been presented together with the financial statements of the School of Computing. Further, no disclosure in respect of Theekshana Company had been made in the financial statements.

2.2.2. Accounting Deficiencies

The following observations are made.

- (a) The van still in use was fully depreciated and had a zero book value at a cost of Rs.2, 775,000 had not been revalued.
- (b) A surplus amounting to Rs.41, 336,035 had been brought forward as current liabilities for several years in respect of 09 projects of which agreements had been entered into with other institutes by the School of Computing instead of taking as income.
- (c) Although according to the Accounting Policies mentioned in financial statements presented, it had been shown that the accounts had been prepared on accrual basis, the hostel rent income had been understated by Rs.35, 933 in financial statements due to accounting of hostel rent income on cash basis.
- (d) As per Section 37(2) (b) of the Inland Revenue Act No.10 of 2006 dated 31 March 2006, abatement of withholding tax aggregating Rs.3, 568,155 had been made in each

year from the fixed deposit interest and shown in the financial statements as current assets without taking into account as expenditure.

2.2.3. Balances Receivable and Payable

According to the financial statements presented, balances receivable aggregating Rs.471, 048 and balances payable aggregating Rs.4, 800,790 had not been settled within a period from 01 to 08 years.

2.2.4. Non – compliance with Laws , Rules , Regulations and Management Decisions.

Following non compliances were observed.

<u>Reference to Laws, Rules, Regulations etc.</u>	<u>Non – compliance</u>
(a) <u>Financial Regulations of the Government of Sri Lanka</u>	
(i) Financial Regulation 394 (a)	No action had been taken in terms of financial regulations in respect of cancelled cheques, valued at Rs.75, 878 shown as current liabilities from the year 2010.
(ii) Financial Regulation 756 and 2.1 of Sub section 2 of Chapter xxvi of the Universities Establishments Code	Although all non- current assets existing in the institute should be surveyed annually, non-current assets valued at a cost of Rs.465,902,538 had not been surveyed and Boards of Survey report had not been presented to audit even by 23 August 2013.
(b) Sub section 4(a) of the Management Services Circular No.45 of 4 April 2011 and 2011/01 of 20 January 2011 of the Ministry of Higher Education	Although approval should be sought for research proposal from the Committee for Research Management accepted by the Senate of the University to obtain entitlement for research allowance, recommendation of the Management Academic Committee had been

obtained instead. Allowances amounting to Rs.2,060,529 had been paid to 25 members of the academic staff during the period from January to October in the year under review.

- (c) 2(1) (b) of Section 13 of the Computer Education Institute Ordinance No.01 of 2002. Although the committee should be satisfied with regard to the progress of research to obtain the research allowance continuously, the committee was not satisfied with regard to research allowance amounting to Rs.557,175 paid to 07 lecturers.
- (d) University Grants Commission Letter No. UGC/JUA/2/PGS/6 dated 03 June 2009. Although Rs.2, 500 should be paid per hour for lecturers who hold lectures for post graduate courses of the University, an amount aggregating Rs.2,840,250 at the rate of Rs.3000 and Rs.4000 per lecture hour had been paid from January to September in 2012.

3 Financial Review

3.1 Financial Results

According to the financial statements presented, the working of the Institute for the year ended 31 December 2012, before taking into account the Government grant for recurrent expenditure, had resulted in a surplus of Rs.5,650,218 as against the deficit of Rs. 9,569,010 for the preceding year. The surplus for the year under review had been increased to Rs. 97,452,218 due to the Government grant of Rs. 91,802,000 received for recurrent expenditure. Due to the Government grant of Rs.83, 102,728 received for recurrent expenditure for the preceding year, the deficit had been converted to a surplus of Rs. 73,533,724. The increase of Rs. 8,699,272 in the Government grant for recurrent expenditure and the increase of Rs.31, 579,250 in the revenue had affected the improvement of Rs. 23,918,500 in the year under review.

4 Operating Review

4.1 Management Inefficiencies

Following observations are made.

- (a) A probationary lecturer had vacated the post on 31 December 2005 and a bond to the value of Rs.798, 589 was recoverable to the institute. Although the Attorney-General had inquired in this regard at 03 instances from 16 November 2006, legal procedure had been weakened due to failure in providing the said information. Action had not been taken to recover this amount even from the Employees' Provident Fund.
- (b) A lecturer had vacated the post on 01 October 2004 and the bond recoverable was Rs.1, 311,691. Although the lecturer had been notified on 10 October 2006 to pay the value of this bond, the relevant payment had not been made even at the date of audit and the institute had not taken steps to take legal actions against the lecturer.
- (c) A lecturer had vacated the post on 01 November 2004 and the bond recoverable was Rs.3, 440,576. Due to failure in tracing the present address of the lecturer, although it had been forwarded to the Attorney-General to take legal actions against the lecturer on 31 August 2005, the institute had not consulted the Attorney-General even 8 years had lapsed.
- (d) A lecturer had vacated the post on 01 January 2004 and the bond recoverable was Rs 3, 373, 722. Although the lecturer was notified of the payment of the bond recoverable to the institute on 22 May 2006 which was after 2 ½ years of breaching the bond, it was not recovered. After settling the case filed at the District Court of Colombo, the Director of the institute had notified that it had been agreed to pay the amount to be recovered from the lecturer, Rs.2,000,000 on 22 September 2013 and Rs.1,370,772 on 22 March 2014.

4.2 Underutilization of Funds

Funds amounting to Rs.4, 197,538 granted to Advance Digital Media Technology Centre and International Development Research Project from Japan Cooperation Funds by the Government to acquire fixed assets had remained idle without being utilized for over a period of three years.

5 Accountability and Good Governance

5.1 Corporate Plan

In terms of Sub Paragraph 5.1.2 of Chapter 5 of the Guidelines on Good Governance of Public Enterprises, a statement on current position of assets of the institute, a statement prepared in respect of identifying strengths, weaknesses, opportunities and threats of the institute analytically (SWOT Analysis) and a review on operating results for the nearest three years had not been shown in the Corporate Plan prepared for the period of 2011-2015.

5.2 Action Plan

Following observations are made.

- (a) Frame Work for each function had not been included to enable individual identification of intended purposes and persons responsible in the Action Plan prepared by the institute.
- (b) Procurement activities valued at Rs.5, 500,000 included in the Procurement Plan had not been included in the Action Plan.

5.3 Tabling of Annual Reports

Annual Report of the institute for the year 2011 had not been tabled even by 23 July 2013. It had been notified by the Director of the institute that the said Annual Report had been presented to the Ministry of Higher Education on 14 February 2013.

5.4 Establishment of a limited company in the School of Computing

Powers had been vested to establish Computer Centres in terms of Section 18(iv) of the University of Colombo School of Computing Ordinance No.01 of 2002, under which the School of Computing has been established. Contrary to Section 24 of the Universities Act No.16 of 1978, even though approval of the University Grants Commission and Ministry of Higher Education and the Cabinet of Ministers should be obtained to establish a company which is capable of competing directly with the Computer Centre to fulfill objectives and functions similar to the objectives and functions mentioned in the University of Colombo School of Computing Ordinance, it was observed that according to the decision of the Board of Management, establishment of Theekshana, company limited by guarantee under Companies Act is against the law.

6 Systems and Controls

Deficiencies in systems and controls observed during the course of audit were brought to the notice of the Director of the institute from time to time. Special attention is needed in respect of the following areas of control.

- (a) Fixed Assets
- (b) Accounting
- (c) Project Funds
- (d) Purchasing

W.P.C. Wickramaratne
Acting Auditor General

2013.12.31
Auditor General,
Auditor General's Department,
No. 306/72, Polduwa Road,
Battaramulla.

Dear Sir,

Answers for the Report of the Auditor General on the Financial Statements of the University Of Colombo School Of Computing for the year ended 31 December 2012 in terms Section 23 of the University of Colombo School of Computing Ordinance, No. 1 of 2002 and of Section 108(2) of the Universities Act, No. 16 of 1978

1.2 Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Sri Lanka Government sector Accounting Standards and for such internal control as the management determines is necessary to enable the preparation of financial statements that are free from material misstatements whether due to fraud or error.

1.3 Auditor's Responsibility

My responsibility is to express an opinion on these financial statements based on my audit. I conducted my audit in accordance with Sri Lanka Government Sector accounting standards. Those Standards require that I comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgments, including assessment of the risks of material misstatements of the financial statements, whether due to fraud or error. In making risk assessments, the auditor considers internal control relevant to the institution's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the institution's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of financial statements. Subsections (3) and (4) of Section 13 of the Finance Act, No. 38 of 1971 give discretionary powers to the Auditor General to determine the scope and the extent of the audit.

I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my qualified opinion.

1.4 Basis for Qualified Opinion

My opinion is qualified based on the matters described in paragraph 2.2 of this report.

2. Financial statements

2.1 Qualified Opinion

In my opinion, except for the effects of the matters described in paragraph 2.2 of this report, the financial statements give a true and fair view of the financial position of the University of Colombo School of Computing as at 31 December 2012 and its performance and cash flows for the year ended in accordance with Sri Lanka Government Sector Accounting Standards.

Answer

Noted.

2.2 Comments on Financial Statements

2.2.1 Preparation of consolidated accounts

A limited company called Theekshana has been established by School of Computing, and the Management Board of it is as 80 percent same as the Management Board of School of Computing, and the financial statement of that limited company had not been presented with the consolidation of the financial statements of the School of Computing. As well as any revelation regarding this Theekshana Company had not been made in financial statements.

Answer

Action will be taken to prepare consolidated accounts including the accounts of Theekshana Company when preparing final accounts of year 2013.

2.2.2 Accounting deficiencies

Following observations are made.

- (a) Revaluation had not been done for the van in use in which the book value was fully depreciated and the cost was Rs. 2,775,000.

Answers

Action will be taken to adjust in the accounts in year 2013, the revalued figure of the Van after revaluating it in accordance with Sri Lanka Accounting Standards since the book value of the Van (Registration No. WPGF 5434, Cost - Rs. 2,775,000) is zero.

- (b) They were being carried forward as current liabilities since few years instead of taking them in to Income the excess money amounting to Rs. 41,336,035 of nine projects that the Institute signed agreements with other Institutions.

Answers

The Projects funds stated as current liabilities & the answers related to them.

<i>Project</i>	<i>Balance as at 31/12/2012</i>	<i>Current states of the Project</i>	<i>Steps being followed</i>
<i>1.SIDA Phd, Networking projects</i>	<i>32,133,791</i>	<i>The final report of the project was submitted & the final report was issued on 11.10.2013 having completed the final Audit by the Auditors of SIDA Institute.</i>	<i>After receiving recommendation for final Audit Report from SIDA Institute, with the recommendation of Project Coordinator's & the approval of Board of Management, required actions will be taken for the remaining money.</i>
<i>2.Asia @ Bit</i>	<i>1,298,615</i>	<i>The Project was completed & the remaining money has stated in this way</i>	<i>Action will be taken to add the relevant remaining money in to the Income of year 2013 on the recommendation of relevant Project Coordinator's & with the approval of Board of Management.</i>
<i>3.Pandora</i>	<i>906,725</i>		
<i>4.VET</i>	<i>226,649</i>		
<i>5.GIS Project</i>	<i>1,518,739</i>		
<i>6. In Country training Programme</i>	<i>2,625,758</i>		
<i>7.JICA</i>		<i>This is a duplication of above Project No 6 i.e. In Country training Programme.</i>	<i>The Auditors have agreed to resubmit the Audit report having done the relevant correction.</i>
	<i>41,336,035</i>		

- (c) Even though it was stated that the Accounts mentioned on the financial statements are prepared on accrual basis in accordance with the Accounting Standards, rent income from Hostel was understated by Rs. 35,933 in financial statements since it was accounted on cash basis.

Answers

The academic year for students started in October 2011 & the income received from them had been taken as income in year 2011 and on the conflict situation prevailed in the University at the end of the year 2012, year 2012 hostel rent income has been reduced since the beginning of next academic year was not taken place within the year 2012.

- (d) Being stated as current assets without being accounted as expenses in the financial statements, the total withholding tax money amounting to a Rs. 3,568,155 deducted in each year from fixed deposits interest, according to section No 37(2) of Inland Revenue Act No 10 of 2006.

Answers

Action will be taken to write off relevant withholding tax as expenses in the year 2013.

2.2.3 Receivable & Payable Balances

It was not settled a receivable balance totaling to Rs. 471,048 and the payable balances totaling to Rs. 4,800,790 within a time period from 1 to 8 years according to presented financial statements.

Answers

Receivable Balances

<i>Name of the Account</i>	<i>Amount</i>	<i>Our answers</i>
<i>Withholding tax receivable</i>	<i>242,104</i>	<i>Action will be taken to write off as an expense.</i>
<i>Staff distress loan</i>	<i>217,584</i>	<i>The employee's provident fund of relevant employees has not been released and arrangement was made to charge it from them.</i>
<i>Staff loan</i>	<i>11,360</i>	
	<i>471,048</i>	

Balances payable

<i>Name of the Account</i>	<i>Balance</i>	
<i>1. Training Programme- Local</i>	<i>2,625,758</i>	<i>Action will be taken to take in to income with the approval of Board of Management'</i>
<i>2. Course fees payable</i>	<i>120,000</i>	
<i>3. Stipend Payble</i>	<i>30,000</i>	
<i>4. Course fees</i>	<i>1,623,500</i>	
<i>5. Amalgamated Club</i>	<i>27,351</i>	<i>Action will be taken to pay the relevant</i>
<i>6. Medical charges</i>	<i>97,101</i>	
<i>7. Student Union</i>	<i>53,301</i>	
	<i>152</i>	

8. P.K.H. Thilakarathne	12,500	<i>money having informed the relevant party.</i>
9. E. Hettiarachchi	16,667	
10. Retention money	194,612	
	4800,790	

2.2.4 Non- compliance with Laws, Rules, Regulations and Management Decisions

Following non compliances are observed.

Reference to Laws, Regulations etc.	Non-compliance
(a) Financial Regulations of Government of Sri Lanka	
(i) Financial Regulation 394(a)	No action had not been taken in compliance with monetary regulations regarding the cancelled cheques worth of Rs. 75,878 stated as current liabilities since year 2010.

Answers

Stated under cheques issued from foreign project funds but not as presented cheques. Action will be taken to take on to income in year 2013.

- (ii) *Financial Regulation 756 and 2.1 of Subsection 2 of paragraph xxvi of University Establishment Code. Even though all non-current assets of the Institute should be surveyed, the survey board report of non-current assets amounting to the cost of Rs. 465,902,538 had not been submitted to the Audit even by 23rd August 2013 having done the survey.*

Answers

Stores verification 2012 was carried out by a professional institute and the draft reports of it have been received to us. Action will be taken to present for the audit after receiving the final report after relevant rectification.

- (b) Sub Section 4(a) of Management Circular No. 45 dated 4th April 2011 and 2011/01 dated 20th January of Ministry of Higher Education
- The approval should be taken for the research proposal from the committee accepted by the Senate of the University, instead of doing so recommendation had been taken from the management and academic committee. Allowances of Rs. 2,060,529 had been paid to 25 No of academic staff during January to October in the year under review.

Answers

Action was taken to pay research allowance to lecture panel was in accordance with circular No 1/2011 of higher education circular dated on 20th April 2011. As mentioned in the sub section 4(A) of that circular, the lecturers who qualified to obtain a research allowance has submitted for the approval of senate of University of Colombo with the recommendation of academic committee of our Institute & the board of management for the appointment of research committee accepted by the senate to submit a research proposal & the approval has been taken from the senate with a little delay because of a mistake.

- (c) 2(1)(a) of Section 13 of School of Computing Ordinance of No. 01 of 2002
- Even though a committee should be satisfied to obtain research allowance continuously, the committee had not been satisfied about the research progress for which the allowance of Rs. 551,175 paid for 07 No of lecturers.

Answers

According to the sub section 03 (iii) of so called circular, this allowance can be received after submitting research proposals. The progress of this proposals will be evaluated in receiving this allowance for the coming the coming year.

- (d) University Grants Commission Letter UGC/JUA/2/PPS/6 dated 03rd June 2009
- Although Rs. 2600 per hour should be paid to the lecturers who conduct Post Graduate Lectures at the University, between Rs. 3,000 and 4,000 per hour and a sum of Rs. 2, 840, 250 has been paid from January to September 2012.

Answer

Post Graduate Course – Payment for visiting lecturers

MSc Programmes regarding Computer Technology Science has been carried out by other universities and recognized Private institutions as well as our institution. Demand for this course is determined by the quality of the course. Internal as well as external lecturers have been recruited for teaching activities of the course.

Arrival of Lecturers for the Course is determined by the hourly rate paid to them. Every Institute carried out this course on weekends and lecturers attract to the institutions which pay higher fee.

This hourly rate has been determined by including all other basic expenditure for preparation of printed material, printing and other related tasks into lecture fee paid by us. But other institution pay for those tasks separately. Such as preparation of printed lecture notes using LMS.

60% of income which is generated from each of these courses has been expend on course activities and remaining 40%, that is nearly Rs. 10 million is utilized for activities of internal students, development and improvement activities of the institute, as well as for research activities. From that there is an excellent opportunity for the government to reduce expenses of the internal graduates.

If it is needed to reduce the hourly rate due to some reason it will be difficult to conduct the course successfully and it will be an immense loss to both institute and the government.

Request has been made to increase this hourly rate as decided by the discussion with University Grants Commission.

3. Financial Review

3.1 Financial Result

According to the presented financial statements, the results of the activities of the Institute for the year ended 31st December 2012 was a surplus of Rs. 5,650,218 before taking in to account the government grants for recurrent expenses & corresponding to it the last year deficit was Rs. 9,569,010. The surplus of the year under review has been increased up to Rs. 97,452,218 due to the government grant of Rs. 91,802,000 for recurrent expenses. The deficit became a surplus of Rs. 73,533,724 due to government grant for recurrent expenses of Rs. 83,102,728 in the last year. For the increase in government grant by Rs. 23,918,500 for the year under review was affected by increase in the government grant for recurrent expenses by Rs. 8,699,272 and increase in the income by Rs. 31,579,250.

Answers

Noted.

4. Operating Review

4.1 Management inefficiencies

Following observations are made.

- (a) A probationary lecturer had been vacate the service and the bonds amounting to Rs. 798,589 to be recovered to the Institute. Even though information was inquired by Attorney-General, because of not providing such information, legal activities had been delayed. Action had not been taken to recover this money from employee's provident fund.

Answers

It cannot be agreed with this observation. The value of the amount to be paid as bonds to the Institute by Mr. Ruckman Senanayake, a probationary lecturer is Rs. 798,588.54 & for the recovery of it, has informed & subsequent reminders was made to the Vice-Chancellor that he

vacated the service or else to decide whether the resignation he has made via an email message would be accepted by the governing council. That decision was not given so far. Inquiries were made even from Attorney-General's Department from University of Colombo in this regard.

- (b) A lecturer had been vacate the service on 01st October 2004 and the bonds value to be recovered was Rs. 1,311,691. The relevant payment had not been done even though the lecturer was informed with the date of 10th October 2006 to pay this bonds value & the legal action was not made against the lecturer until now.

Answers

The legal steps were taken against him with regard to non-payment of bonds value by the lecturer namely R.K.Rajapakshe & the relevant legal activities are handled by the Attorney-General Department.

- (c) A lecturer had been vacate the service on 01st November 2004 and the bonds value to be recovered was Rs. 3,440,576. Even though it was referred to the Attorney-General on 31st August 2005 in order to take legal steps due to the fact the present address of the lecturer couldn't be found, An inquiry was not made from the Attorney-General by the Institute even though 8 years was elapsed.

Answers

The last given address of Mr. S. P. Paheedaran was notified to the Attorney-General Department but it was reported that he has vacated dwelling of it. An address of Residence could not be found so far & Steps are taken to find the address. What so ever, required activities are being taken with the Attorney-General Department until now & actions are being taken to file cases against the Witnesses who signed for bonds on behalf of Mr. Paheedaran.

- (d) A lecturer had been vacate the service on 01st January 2004 and the bonds value to be recovered was Rs. 3,373,722. On 22nd May 2006, 2 1/2 years after breaching the bond guarantee, even though the lecturer was informed to pay the bond money to be paid to the Institute, it was not recovered. It was notified by the Director of the Institute that the case filed in the Colombo District Court has been come to conciliation & agreed to pay the amount receivable from the lecturer partly on 22nd September 2013 Rs. 2,000,000 & on 22nd March 2014 as Rs. 1,370,772.

Answers

It cannot be agreed to this observation. The Attorney-General has taken steps regarding this lecturer & the court case no DMR 0984k109 was filed against him at Colombo District Court & it was come to conciliation by the date of 2013.09.01. According to the conciliation terms mentioned therein, the consent was given to pay off the amount of Rs. 3,370,772.36 to be recovered from Mr. P. Gunarathne partly as Rs. 2,000,000 as of 2013.09.22 & as Rs. 1,370,772.36 as of 2014.09.22.

However the Bond value stated as Rs. 3,373,722 in the observation is not correct & it should be corrected as Rs. 3,370,772.36

Further all exemption documents for the funds recoverable related to all the lecturers above has been referred to University Grant Commission.

4.2 Under utilization of funds

The funds amounting to Rs. 4,197,538 provided to Advance Digital Media Technology Center & to International Development Research Center to acquire fixed assets by the Government, Japan corporation funds had been kept idle since more than three years.

Answers

On the recommendation of the coordinators of other Project balances & with the approval of Board of Management, actions will be taken to disburse the relevant funds.

5. Accountability & the good governance

5.1 corporate plan

Statement of Present situation of the assets of the institute, A SWOT analysis statement to analytically identify strengths of the institute, opportunities and weaknesses and threats with regard to them and financial review for the nearest three years have not been included in the Corporate plan prepared for the time period of year 2011-2015 as per Subsection 5.1.2 of Section 5 of Code of Public Enterprise Good Governance Guidelines.

Answer

Action will be taken to prepare the present corporate plan which is currently being prepared by the institute according the relevant laws and regulations.

5.2 Action Plan

Following observations are made.

- (a) In the Action plan prepared by the Institute did not include to separately identify the time frame for each functions, the expected objectives and the responsible person.

Answers

The action plan being prepared by the Institute for year 2014 has been prepared to separately identify the time frame for each function, expected objectives and the responsible persons.

- (B) Procurement activities worth of Rs. 5,500.00 included in procurement plan was not taken in to the Action Plan. The director of the Institute had informed that on 14th February 2013 that report was presented to the Ministry of Higher Education.

Answers

Detailed procurement plan prepared year 2012 by the institute include date of commencement of pre procurement activities, last date and date of submitting of procurement and date of finalizing. Action will be taken to prepare the detailed procurement plan which include dates and time periods of procurement activities, concurrently with the action plan and approved budge of the year, from year 2014.

5.3 Tabling of Annual Reports

2011 Annual Report of the institute has not been tabled even by 23rd July 2013. Director of the institute informed that the report has been submitted for Ministry of Higher Education on 14th February 2013.

Answers

2011 Annual report has been submitted for Ministry of Education on 2013.02.14 to submit for the Cabinet. Action will be taken to table at the parliament once this process ends.

5.4 Establishment of limited company in the School of Computing

The power was vested for the establishment of computer centre in accordance with Section 18(iv) Of University of Colombo School of Computing Ordinance, No. 1 of 2002. To do the similar objectives & activities by the Computer Service Centre in contrary to Section 24 of the Universities Act, No. 16 of 1978 even though it should be done subject to the approval of University Grant Commission which directly has competitive nature & the Ministry of Higher Education and the Cabinet, it was observed that establishment of the Theekshana (Pvt) Limited under the company act on the approval of Board of Management is not in compliance with the law.

Answers

The approval for the establishment of this Theekshana (Pvt) Ltd was given by the Board of Management on the direction of Vidyajothi Professor V.K. Samaranayake, the founder of University of Colombo School of Computing, & using the theory being followed by the International level Universities for the Commercialization of its own research results.

Accordingly, Decision was taken based on the [Memo No.: UCSC/BOM/40/12 (i)] submitted to 40th Board of Management of the University of Colombo School of Computing on 05th January 2006, to see the possibility of establishing Computer Service Centre (CSC) as a Company & appointment of a Consultant for that task and Company Secretary as well to fulfill legal requirements.

After that, According to document [Memo No : UCSC/BOM/42/10(d)] submitted to 42nd Board of Management on 2nd March 2006, the relevant report was presented by the consultant appointed on the decision made on the 05th January meeting. Further after considering so called report, the Board of Management has given advice to take steps to arrange preliminary functions to establish the company.

Management Board considered the company established by University of Moratuwa as a model and obtained assistance of its legal consultant as well. As well as Establishment of such company as a strategy followed by international level universities in commercialization of their research results was identified as a timely requirement.

This Theekshana Company has no competition with Computer Services Center in no way. That is this company provide consultancy services only for the projected implemented with international funds. As well as Consultancy services are provided for the contract received on recommendation of ICTA which is operating on World Bank Funds.

Action will be taken to obtain relevant approval on audit recommendation.

6. **Systems and controls**

The deficiencies being observed at the Audit were informed to the Director of the Institute. Special attention should be made for following control areas.

(A) Fixed Assets

Answers

Noted

(B) Book keeping

Answers

Noted

(C) Project Funds

Answers

Noted

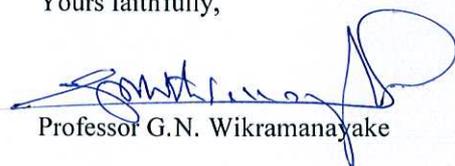
(D) Purchasing

Answers

Noted.

Thank you,

Yours faithfully,



Professor G.N. Wikramanayake

Director