



UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

ANNUAL REPORT

2022

VISION

*Be a Global Leader in
Computing Education,
Advancing the Frontiers of
Knowledge through
Teaching,
Learning and Research*

MISSION

*To **Advance** and **Enhance** computing studies,
Fostering global strategic alliances,
Promoting cross disciplinary research,
Producing socially responsible professionals
With entrepreneurial skills,
Leadership qualities and integrity
Contributing to position the country as a
Knowledge hub in the region*

DIRECTOR'S REVIEW

I proudly present the Annual Report 2022 of the University of Colombo School of Computing (UCSC) with great pleasure. As a center of excellence in teaching and learning in computing, which is the main goal of UCSC, this report presents the accomplishments as well as challenges faced during undergraduate, postgraduate, and external degree programs as well as the general administration activities conducted during the year 2022. Almost all activities were challenged, however, by using an agile management strategy we were able to achieve our targets. With some difficulty, we were able to convert our operations to the physical mode shortly after a new normal environment, and by the end of 2022, we are pleased to report that nearly all activities at the UCSC had been converted.



In 2022, 335 internal undergraduate students, who got the opportunity to be enrolled through the UGC selection process, started their first-year academic activities in June 2022. Other than this, UCSC provided Computer Science courses for 1215 undergraduates of the Faculty of Science of the University of Colombo. With all difficulties, UCSC was able to produce 265 graduates in Computer Science and Information Systems at the end of the year, and more than 90% of these students were employed before their graduation.

Since there is a huge demand for computing education, UCSC continues its most crucial national service of conducting the Bachelor of Information Technology (BIT) external degree programme for which 3060 new students got the opportunity to be registered in 2022, although the programme was delayed by several months due to pandemic situation and delay of AL results. UCSC was able to conduct all semester exams of the BIT programme during the months of March and April 2022. UCSC was able to release the results of final year students, and 207 students received BIT degrees. At the same time, 491 students received the Diploma of Information Technology, and 300 students received the Higher Diploma of Information Technology during 2021. UCSC was able to register for the master's degree programme in December 2022 and the new batch of 210 students started their academic activities at the beginning of January 2023.

The generated income of postgraduate and external degree programs was a significant contribution for the sustainability of the organization due to inadequate government allocation for recurrent and capital expenditures. The pandemic situation and economic situation of the country affected all infrastructure development activities, and it caused a significant delay to complete activities during 2022. Some planned activities of infrastructure development were also postponed to 2023 due to operational issues. During the last few years, UCSC was utilizing its reserves to cover the expenses since the government grant as well as generated income were not adequate. In 2022, UCSC was forced to spend 60 million from its reserves due to inadequate funding to carry out the planned activities.

Finally, I take this opportunity to express my gratitude to the Council, Senate, the Vice-Chancellor, the Board of Management, Academic Syndicate, Boards of Studies and Management Committee and all other staff of UCSC, where we faced so many challenges which could be converted as opportunities in coming years.

Dr. Ajantha Atukorale

Director

University of Colombo School of Computing (UCSC)

GOALS

1. To be a center of excellence in teaching and learning in computing [**Education**]
2. To promote research and development in computing while emphasizing interdisciplinary research [**Research**]
3. To improve the qualities and responsibilities and professionalism of the students/staff [**Quality**]
4. Enhancement of infrastructure facilities for higher productivity through development of physical resources and human capital [**Development**]
5. To Enhance the institutional image through good governance [**Governance**]
6. To contribute to the development of ICT in the society [**Responsibility**]

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Overview of the UCSC

The University of Colombo School of Computing (UCSC) [<http://www.ucsc.cmb.ac.lk>] was established as a Centre of Higher Learning on 1st September 2002 by merging the Institute of Computer Technology (ICT) and the Department of Computer Science (DCS) 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 the Universities (Amendment) Act No.1 of 1995, with the purpose of providing, promoting and developing higher education in Computer Science, Information and Communication Technology. It is a Higher Educational Institute within the University of Colombo established to develop and promote computing studies in the country as well as an international knowledge hub in computing. The UCSC was granted financial autonomy, and its operations have been described in the Ordinance Gazette on 15th November 2002 (GZT NO. 1262/32) and amended to include the Centre for Digital Forensics on 22nd July 2011 (GZT NO. 1715/32).

According to the ordinance of UCSC, the University of Colombo School of Computing comprises 03 academic departments, namely;

- Department of Computation & Intelligent Systems (CIS)
- Department of Communication & Media Technologies (CMT)
- Department of Information Systems Engineering (ISE)

According to the ordinance of UCSC, the University of Colombo School of Computing has 06 centers:

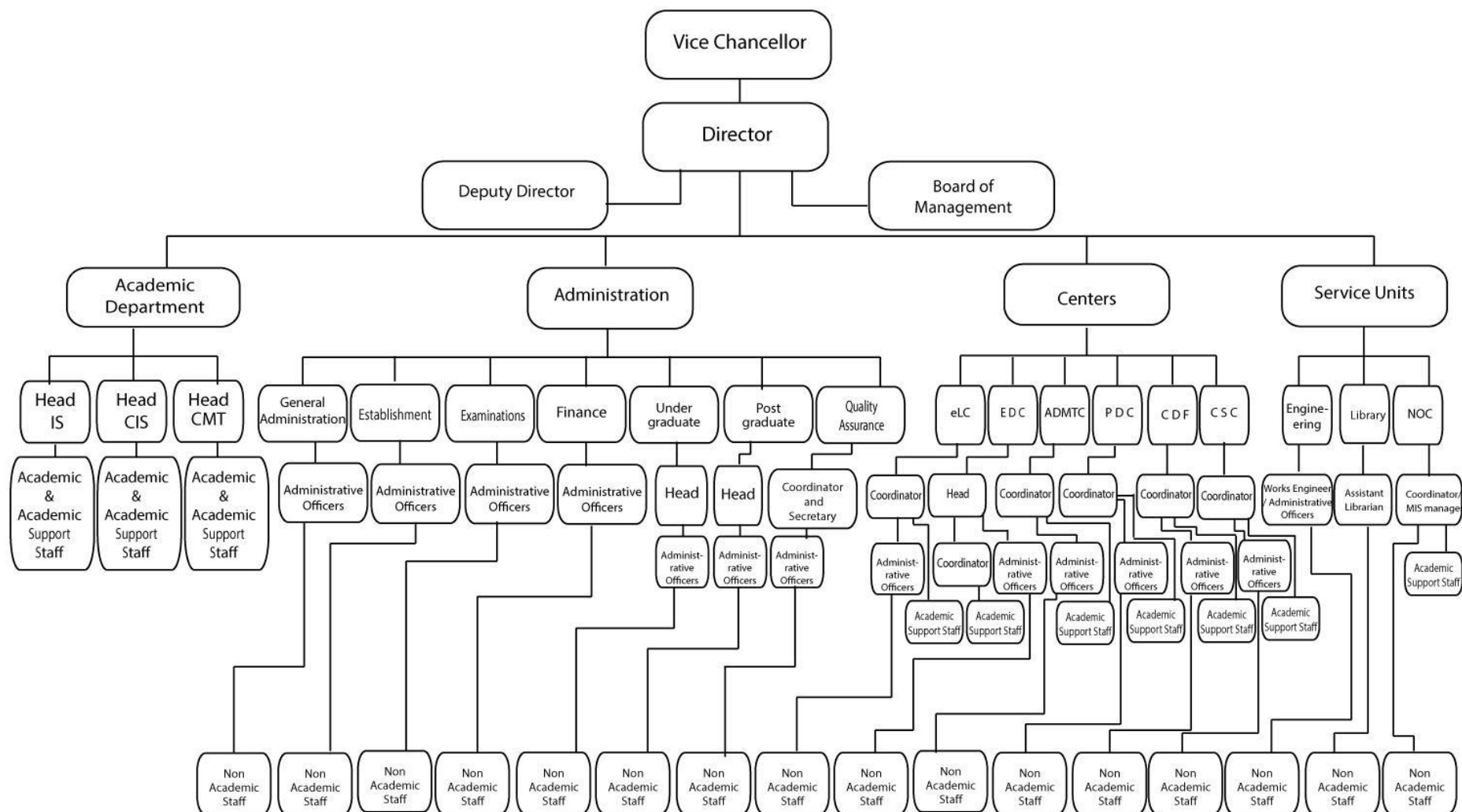
- Advanced Digital Media Technology Centre (ADMTC);
- Computing Services Centre (CSC);
- Center for Digital Forensics (CDF)
- External Degrees Centre (EDC);
- E-Learning Centre (e LC);
- Professional Development Centre (PDC);

More details about these departments and Centers are presented later in this annual report.

Organization Structure of UCSC - 2022

Based on the structure declared in the ordinance and current operational requirements, the organizational structure of UCSC has been established to carry out the management activities of the institute. The flow of authority and the allocation of staff have been coordinated according to the hierarchy given in the following diagram.

University of Colombo School of Computing – Organizational Structure



AT A GLANCE – KEY PERFORMANCE INDICATORS (KPIS) OF UCSC (2018-2022)

		2022	2021	2020	2019	2018
Education (Enrolled/Graduated)						
Internal Undergraduates	All	1036	997	929	899	857
	In	335	347	293	297	301
	Out	262	267	250	237	244
Science Undergraduates		1215	1157	972	1043	924
Diploma in Information Technology (DIT) (External)	All	4101	2933	2649	2373	1975
	In	3786	2158	2416	2142	1461
	Out	754	491	575	651	436
Higher Diploma in Information Technology (HDIT) (External)	All	899	1128	1804	1634	1240
	In	1048	1361	1548	1365	463
	Out	306	313	274	120	110
Bachelor of Information Technology (BIT) (External)	All	687	1034	1248	862	1230
	In	1434	987	1142	795	187
	Out	150	207	350	284	177
Postgraduates	All	493	478	501	426	556
	In	210	280	270	258	232
	Out	57	184	126	185	139
Extension Programs		135	220	347	551	317
Foreign Students		11	14	14		
Research						
Research (MPhil/PhD)	All	20/06	23/08	28/08	35/08	35/06
	In	02/00	04/02	02/00	03/03	04/00
	Out	01/00	02/01	03/00	03/01	00/01
Research Projects	All	20	18	12	21	20
	New	10	12	02	09	10
Publications		73	65	61	56	64
No. of Publications: No. of Academic Staff Members		73:53	65:61	61:46		
No. of Citations		6463	6205	4829		
Consultancy/R&D Projects						
	Local	14	13	7	15	15
Social Responsibility Programs		7	5	13	11	12

		2022	2021	2020	2019	2018
Governance						
Permanent Academic Staff	All	52	58	46	47	49
	Professors	08	05	03	03	02
	PhD	29	29	28	27	26
	Masters	09	10	09	06	09
Permanent Academic Support Staff		14	15	06	06	07
Temp Academic Staff (Instructors & Asst. Lect.)		44	32	39	43	30
Permanent Admin and Non-Ac Staff		62	62	62	52	54
Contract Staff (including casual & trainee)		20	25	41	56	35
Research/Project Staff		36	23	17	16	26
Finance						
Annual Recurrent Expenditure (Millions LKR)		572	555	520	586	488
Treasury Grant (Recurrent) (Millions LKR)		405	392	358	337	199
Treasury Grant (Capital) (Millions LKR)		54	60	23	69	112
Generated Income		281	299	249	289	274
UCSC Contribution to UG (Millions LKR) (Generated %)		169 (27%)	22 (5%)	30 (7%)	91 (18%)	126 (29%)
UCSC Budget (Millions LKR)		756	917	903	679	498
Research/Project (Millions LKR)		27.71	12.8	9.3	9.8	9
Cost per Employee (LKR '000s) per annum		1,906	1,640	1,564	1,692	1,275
Cost per Student (LKR '000s) – Recurrent		428	386	507	450	356
Infrastructure						
Library Books		8,758	8,780	8,825	9,073	8,948
Computers: staff		1:1	1:1	1:1	1:1	1:1
Computers: students (General students) (Special students)		1:4 1:1	1:4 1:1	1:4 1:1	1:4 1:1	1:4 1:1
Space Utilization (employee) (sq. m.)		10.84	11.09	11.1	10.9	11.70
Space Utilization (student) (sq. m.)		3.02	4.20	3.39	4.5	4.77

1.GOVERNANCE

1. GOVERNANCE

During the year 2022, the organizational activities were carried out based on the Strategic Plan for 2022-2026 while focusing on the six (6) goals as given in the beginning of this report. The Strategic Plan was prepared based on the planned activities for the subsequent five years together with an Action Plan for the current year. However, the University of Colombo School of Computing (UCSC) had to reschedule most of the academic programs and the procurement plan approved by the Board of Management for 2022 due to the suspension of operational activities from time to time during the year due to the COVID 19 and economic crises in the country. The UCSC faced many difficulties to employ its staff due to transport difficulties, and duty rosters approved by the Government through the Circulars issued by the Presidential Secretariat of Sri Lanka. With all these difficulties, the UCSC conducted its undergraduate examinations, released results, conducted the planned lectures online by the academic staff, held postgraduate exams, and released results followed by the new intake for the master programs as well. As planned, ICTer international conference was held online/physical, and several meetings, including the Board of Management, were held online. Some of the planned procurement activities were shifted to 2023.

The Management of the UCSC is coordinated by the Director of the UCSC with the assistance of the Deputy Director, Heads of the Departments, Deputy Registrars, and the Deputy Bursars, Centre Coordinators, Programme Coordinators, and the administrative staff members of divisions. The Director chaired all UCSC Statutory and Selection Committees except the Audit Committee. The structure and progress of these statutory bodies are given below.

1.1 OFFICERS OF THE UCSC

Director	Prof. K.P. Hewagamage (till 31/05/2022) Dr. D.A.S. Atukorale (from 01/06/2022)	
Deputy Director	Dr. D.A.S. Atukorale (till 31/05/2022) Prof. T.N.K. De Zoysa (from 01/06/2022)	
Heads	Dr. D.A.S. Atukorale (till 31/05/2022) Dr. C.I. Keppitiyagama (from 01/06/2022)	Department of Computation and Intelligent Systems (CIS)
	Mr. K.P.M.K. Silva (acting till 31/05/2022) Prof. T.N.K. De Zoysa (from 01/06/2022)	Department of Communication and Media Technologies (CMT)
	Prof. (Ms)M.D.J.S. Goonetillake (till 31/05/2022) Prof. M.G.N.A.S. Fernando (from 01/06/2022)	Department of Information Systems Engineering (ISE)
Deputy Registrars	Ms. H.P. Henegama & Ms. S.D. Chandralatha	
Deputy Bursars	Mr. E.M. Gunarathna & Ms. V.G.M. Priyangika	
Coordinators	Dr. S.S.P. Matara Arachchi	Advanced Digital Media Technology Centre (ADMTC)
	Prof. T.N.K. De Zoysa	Centre for Digital Forensics (CDF)
	Mr. G.P.N. Botheju (till 31/07/2022)	Computing Services Centre (CSC)

Dr. H.K.T.C. Halloluwa (from 01/08/2022)	
Dr. (Ms.) T.A. Weerasinghe	e-Learning Centre (eLC)
Mr. W.V. Welgama	External Degrees Centre (EDC)
Dr. (Ms.) L.N.C. De Silva (till 31/05/2022) Dr. P.V.K.G. Gunawardena (from 01/06/2022)	Professional Development Centre (PDC)

1.2 AUTHORITIES

The Authorities of the University of Colombo School of Computing (UCSC) are the Board of Management; Academic Syndicate; Boards of Study; Departments of Study, and Centres as described in the ordinance of UCSC.

1.2.1 BOARD OF MANAGEMENT (BOM)

Meetings of the Board of Management were held monthly during the year 2022. The first Thursday of each month is usually allocated for the BOM meetings. Minutes and memos are distributed before the meeting by the Deputy Registrar/Administration, who shall be the Secretary to the Board of Management. The composition of the Board of Management is given below, together with the statistics of the meeting participation (P - Participated, E - Excused, A - Absent). UCSC has conducted 14 BOM meetings via blended mode, including two special BOM meeting held on 28.01.2022 and 24.02.2022, for the matters with respect to the appointment of new Director and approval for submitting the Financial Statements, UCSC Annual Report 2021, and the Board of Survey Report 2021 to the Auditor General and the Secretary to the Ministry of Education.

Ex- Officio Members	
• Director	Prof. K.P. Hewagamage (P-14) Dr. D.A.S. Atukorale (P-07 - from 01.06.2022)
• Deputy Director & Head of CIS	Dr. D.A.S. Atukorale (P-06 - till 31.05.2022)
• Deputy Director & Head of CMT	Prof. T.N.K. De Zoysa (P-07 - from 01.06.2022)
• Nominee, Secretary of Higher Education	Mr. L. Waduge (P-10 & E-04)
• Nominee, Ministry of Finance	Ms. K.A. Ramya Kanthi (P-03 & E-01 - till 01.03.2022) Ms. D.H.S. Pullaperuma (P-10 - from 02.03.2022)
• Dean, Faculty of Science	Snr. Prof. Upul Sonnadara (P-10 & E-04)
• Head of CMT	Mr. K.P.M.K. Silva (P-04, E-01 & A-02 - till 31.05.2022)
• Head of ISE	Prof. (Mrs.) M.D.J.S. Goonetillake (P-06 & E-01 - till 31.05.2022) Prof. M.G.N.A.S. Fernando (P-06 & E-01 - from 01.06.2022)
• Head of CIS	Dr. C.I. Keppetiyagama (P-07 - from 01.06.2022)
Appointed Members	
• Members, UOC Council (02)	Prof. S. Karunaratne (P-12 & E-02) Mr. J.M.U.B. Jayasekara (P-09 & E-05)
• Members, UOC Senate (02)	Snr. Prof. J.K.D.S. Jayanetti (P-11 & E-03) Prof. Pavithra Kailasapathy (P-14)
• Nominees, UGC (02)	Mrs. C. Mubarak (P-14)

	Dr. Upali Mampitiya (P-13 & E-01)
• Representatives, IT Industry (02)	Mr. Saman Perera (P-12 & E-02) Dr. Romesh Ranawana (P-10 & E-04)
• Nominees, Academic Syndicate (03)	Dr. (Mrs.) T.A. Weerasinghe (P-13 & E-01) Mr. K.P.M.K. Silva - (P-10, E02 & A-02) Mr. W.V. Welgama - (P-09 & E-05)

1.2.2 FINANCE AND MANAGEMENT COMMITTEE (FMC)

The Finance and Management Committee (FMC) is a sub-committee which assists the Board of Management to discuss financial activities in detail before taking relevant decisions at the Board of Management. The committee was able to meet 03 times during the year 2022 and the Director/UCSC chaired the meetings.

Chairman	Prof. K.P. Hewagamage (P-1) Dr. D.A.S. Athukorala (P-2)
Deputy Director	Dr. D.A.S. Athukorala (P-1) Dr. T N K De Zoysa (P-2)
Board Nominees	Prof. Upul Sonnadara (P-2) (E-1) Mrs. C. Mubarak (P-2) (E-1) Prof. Pavithra Kailasapathy (P-3)
Deputy Registrar	Ms. S. D. Chandralatha (P-3)
Deputy Bursar	Mr. E.M. Gunarathna (P-3)

P-Present, E- Excused

1.2.3 AUDIT COMMITTEE (AC)

The Audit Committee (AC) is a Subcommittee, which assists the Board of Management to discuss matters related to internal audit reports and the final audit report before taking appropriate decisions at the Board of Management. It is usually chaired by an appointed member of the Board of Management. The Director and the Deputy Director are invitees of the committee. The representatives of the Auditor General's Departments, the Internal Audit division of the University of Colombo, and the Internal Auditor of the University Grants Commission are also invited to this meeting. The Representatives of Earnest and Young (Internal Auditors appointed by the Board of Management) are also invited to these meetings. The statistics of participation of the 04 meetings of the year 2021 are given with respect to each member.

Chairman	Mr. J.M.U.B. Jayasekara (P-4)
Board Nominees	Mr. L.P.H. Waduge (P-4) Ms. D H S Pullaperuma (P-4)
Rep of Auditor General	Ms. S. M. C. Indika (P-4)
Internal Auditor/University Grants Commission	Mr. M.M.J.R. Bogamuwa (P-1 & E-3)
Internal Auditor/University of Colombo	Mr. K.E.W. Jayasiri (P-1) (E-1) Mr. S. P. G. Nihal (P-1) (E-1)
Rep /Ernst &Young Auditors	Ms. Randika Silva (P-4)

Director (Observer)	Prof. K.P. Hewagamage (P-2) Dr. D.A.S. Athukorala (P-2)
Deputy Director (Observer)	Dr. D.A.S. Athukorala (P-2) Dr. T N K De Zoysa (P-2)

P-Present, E-Excused

1.2.4 ACADEMIC SYNDICATE

The Academic Syndicate was held monthly during the year 2022. The composition of the Academic Syndicate has been defined in the ordinance of UCSC. The Academic Syndicate takes the decisions recommended by three Boards of Studies, namely, the Board of Study (BOS) for Internal Undergraduate Degrees (IUD), the BOS for Research and Higher Degrees (RHD), and the BOS for External and Extension Program (EEP). Important academic-related matters of the Board of studies are approved or recommended by the Academic Syndicate. Special matters are tabled by the Director based on the recommendation of respective academic and administrative staff related to the Boards of Study.

Some of the important decisions recommended at the Academic Syndicate are required to be approved at the Board of Management of UCSC, the Senate of the University of Colombo and the Council of the University of Colombo based on the regulation in the University. Minutes of all formal meetings held during 2022 are approved and documented. Formal members of the Academic Syndicate and their participation statistics are given below.

S.N.	Name	Attendance of 13 Nos. of Syndicate Meetings			
		Present	Absent	Excused	Leave
1	Prof. K.P. Hewagamage, Director (Chairperson from Jan - May 2022)	13			
2	Dr. D.A.S. Atukorale, Director (Chairperson from June - Dec 2022)	13			
3	Prof. G.D.S.P. Wimalaratne, Head/CMT, Professor	Sabbatical Leave			
4	Prof. (Ms.) M.D.J.S. Goonetillake, Head, /ISE	13			
5	Prof. G.K.A. Dias, Professor	6			7
6	Prof. K.L. Jayaratna, Professor		2	2	9
7	Prof. D.D. Karunaratne, Professor	7	3	3	
8	Prof. M.G.N.A.S. Fernando, Professor	13			
9	Prof. T.N.K. De Zoysa, Professor	11		2	
10	Dr. A.R. Weerasinghe, Senior Lecturer Gr. I	11		2	
11	Dr. D.N. Ranasinghe, Senior Lecturer Gr. I	11		2	
12	Dr. T. Sritharan, Senior Lecturer Gr. I	11	1	1	

13	Mr. G.P. Seneviratne, Senior Lecturer Gr. I	12	1		
14	Dr. C.I. Keppetiyagama, Senior Lecturer Gr. I	13			
15	Dr. H.A. Caldera, Senior Lecturer Gr. I	12		1	
16	Dr. (Mrs.) S.M.K.D. Arunatileka, Senior Lecturer Gr. II	12		1	
17	Dr. M.D.R.N. Dayaratne, Senior Lecturer Gr. II	11	1	1	
18	Mr. K.P.M.K. Silva, Senior Lecturer Gr. II	12	1		
19	Mrs. M.W.A.C.R. Wijesinghe, Senior Lecturer Gr. I	13			
20	Mr. W.V. Welgama, Senior Lecturer Gr. I	12		1	
21	Dr. H.E.M.H.B. Ekanayake, Senior Lecturer Gr. II	13			
22	Dr. (Mrs.) T.A. Weerasinghe, Senior Lecturer Gr. II, Coordinator/eLC	13			
23	Dr. M.I.E. Wickramasinghe, Senior Lecturer Gr. II	10	1	2	
24	Dr. (Ms) K.H.E.L.W. Hettiarachchi, Senior Lecturer Gr. II	13			
25	Dr. P.V.K.G. Gunawardana, Senior Lecturer Gr. II	11		2	
26	Dr. B.H.R. Pushpananda, Senior Lecturer Gr. II	12		1	
27	Dr.(Mrs) H.N.D. Thilini , Senior Lecturer Gr. II	12		1	
28	Dr. (Mrs) L.N.C. De Silva, Senior Lecturer Gr. II	13			
29	Dr. S.S.P. Matara Arachchi, Senior Lecturer Gr. II, Coordinator/ ADMTC	13			
30	Dr. H.K.T.C. Hallolluwa, Senior Lecturer Gr. II [Coordinator/CSC from Aug 2022]	12	1		
31	Dr. Kasun Karunanayaka, Senior Lecturer Gr. II	9	1	3	
32	Dr. (Mrs.) M.G.D.K. Fernando, Senior Lecturer Gr. II	7		2	4
33	Dr. A.P. Sayakkara, Senior Lecturer Gr. II (From April 2022)	13			
34	Ms. P.G.M.P. Gamage, Asst. Librarian (From February 2022)	10		3	
35	Mr. G.P.N. Boteju, Instructor, Coordinator/CSC (on invitation from Jan - July 2022)	5	1	2	
36	Prof. R.D. Wijesekara, Nominee/ Faculty of Science, UOC	9		4	
37	Dr. K.A.D.M. Kastthurirathna, Senior Lecturer, SLIIT [From Feb 2022 on Sabbatical]	7	2	2	
38	Mr. Dilan Rajapakse, Managing Director, Vital Hub (From Aug 2022)	5			
39	Mr. Mangala Perera, Chief Operating Officer, Root Code (From Aug 2022)	4	1		
40	Mrs. H.P. Henegama, Deputy Registrar/ Postgraduate [From June 2022]	13			
41	Ms. J.A.M.S. Wijerathna, Senior Assistant Registrar/ Examinations [From June 2022]	13			

42	Ms. S.F. Imam, Assistant Registrar/ Examinations	13			
43	Ms. K. Prathayini, AR/Academic and Publication [Jan - May 2022]	6			
44	Ms. W.M.N.K. Weerasooriya, AR/EDC	12		1	
45	Mr. E.A.D.S. Udayanga, Senior Assistant Registrar/ Academic, Publication & Welfare [From April 2022]	8		1	

1.2.5 BOARDS OF STUDY

According to the ordinance of UCSC, there are three Boards of Studies for Internal Undergraduate Degrees (BOS/IUD), Research and Higher Degrees (BOS/RHD) and External and Extension Programmes (BOS/EEP). The Director, UCSC chairs these boards of studies and there is an academic staff member as the Secretary and an administrative staff member to coordinate the meetings.

1.2.5.1 BOARD OF INTERNAL UNDERGRADUATE DEGREES (BOS-IUD)

During 2022, 12 meetings of the BOS/IUD were formally held and minutes of all these meetings have been recorded by the academic representative with the help of an administrative staff member. All matters related to internal undergraduate degrees, such as teaching, learning, assessment and administration, are discussed in detail at BOS/IUD. Nine student representatives also attended these meetings only during the first part of the meeting. The composition of the Board of Internal Undergraduate Degrees (IUD) and the participation statistics of the meetings are given below.

S.N	Name	Attendance of 12 Nos. of IUD Meetings		
		Present	Absent	Excused
1	Prof. K.P. Hewagamage, Director (Till May) & Advisor/ QAC	11		1
2	Dr. D.A.S. Atukorale, Director (from June)	12		
3	Prof. T.N.K. De Zoysa, Deputy Director, Head/CMT, Head RHD (from June)	10	1	1
4	Dr. C.I. Keppetiyagama, Senior Lecturer Gr. I Head/CIS, Head/IUD (from June)	11		1
5	Prof. .M.G.N.A.S. Fernando, Head/ISE, Head/ EEP (from June)	10	2	
6	Dr. B.H.R. Pushpananda, Senior Lecturer Gr. II, Secretary BOS/ IUD	12		
7	Prof. G.K.A. Dias, Professor (Sabbatical Leave)	2		1
8	Prof. D.D. Karunaratne, Professor	8	3	1
9	Prof. G.D.S.P. Wimalaratne, Professor (Sabbatical leave)			
10	Prof. K.L. Jayaratne, Professor	1		3
11	Prof.. (Ms). M.D.J.S. Goonetillake, Professor	12		
12	Dr. A.R. Weerasinghe, Senior Lecturer Gr. I	10		2
13	Dr. D.N. Ranasinghe, Senior Lecturer Gr. I	4	7	1
14	Dr. T. Sritharan, Senior Lecturer Gr. I	8	4	
15	Mr. G.P. Senevirathne, Senior Lecturer Gr. I	11		1

16	Dr. H.A. Caldera, Senior Lecturer Gr. I	9	2	1
17	Mr. K.P.M.K. Silva, Senior Lecturer Gr. II	10	2	
18	Dr. (Ms).S.M.K.D. Arunatilake, Senior Lecturer Gr. II	11	1	
19	Dr. M.D.R.N. Dayarathne, Senior Lecturer Gr. II	10	2	
20	Ms. M.W.A.C.R. Wijesinghe, Senior Lecturer Gr. I	10	1	1
21	Mr. W.V. Welgama, Senior Lecturer Gr. I, Coordinator/CS	12		
22	Dr. H.E.M.H.B. Ekanayake, Senior Lecturer Gr. II, Coordinator/ Information Systems Programme	12		
23	Dr. (Ms.) T.A. Weerasinghe, Senior Lecturer Gr. II, Coordinator/e-LC	10	1	1
24	Dr. (Ms.) K.H.E.L.W. Hettiarachchi, Senior Lecturer Gr. II	11		1
25	Dr. P.V.K.G. Gunawardana, Senior Lecturer Gr. II	11		1
26	Dr.(Ms.) H.N.D. Thilini, Senior Lecturer Gr. II	9	1	2
27	Dr. (Ms.)L.N.C. De Silva, Senior Lecturer Gr. II	12		
28	Dr. M.I.E. Wickramasinghe, Senior Lecturer Gr. II, Coordinator/SE	10		2
29	Dr. S.S.P. Matharaarachchi, Senior Lecturer Gr. II, Coordinator/ADMTC	12		
30	Dr. Kasun Karunanayaka, Senior Lecturer Gr. II	11		1
31	Dr.(Ms).M.G.D.K.Fernando, Senior Lecturer Gr. II (Maternity Leave)	6		1
32	Dr. H.K.T.C. Hallolluwa, Senior Lecturer Gr. II	10	1	1
33	Dr. A.P. Sayakkara, Senior Lecturer Gr. II	12		
34	Dr. K.A.D.M. Kasthurirathna, Senior Lecturer Gr. II	9	1	1
35	Ms. K.P.U. Jayasinghe, Lecturer (Probationary) Study leave			
36	Mr. R.N. Rajapakse, Lecturer (Probationary) Study leave			
37	Mr. R.A.H.D. Perera, Lecturer (Probationary) Study leave			
38	Mr. R.M.U.A. Rathnayake, Lecturer (Probationary)	8	2	2
39	Ms. D.N. Perera, Lecturer	5	1	1
40	Ms. R.A.Y.S. Ranasinghe, Lecturer (Probationary) Study leave			
41	Dr. K.D. Sandaruwan, Lecturer (Probationary)			
42	Mr. R.J. Amaraweera, Lecturer (Probationary)			
43	Ms. A.L. Nanayakkara Lecturer (Probationary)	11		1
44	Ms. C.L. Ishani Fonseka, Lecturer (Probationary)	8	3	1
45	Ms. G.K.K. Perera, Lecturer (Probationary)	2		
46	Mr. K.M. Thilakarathna, Lecturer (Probationary)	12		
47	Mr. D.T. Bamunuarachchi, Lecturer (Probationary)	8	1	1
48	Ms. S.S. Thrimahavitharana, Lecturer (Probationary) (Maternity Leave)	6		1
49	Ms. M.A.I. Perera, Lecturer (Probationary)	9	2	1
50	Mr.M.A.P.P.Marasinghe, Lecturer (Probationary)	10		2
51	Mr.N.H.P.I.Maduranga, Lecturer (Probationary)	10	2	
52	Ms.T.P.W.Seneviratne, Lecturer (Probationary)	9	3	
53	Mr. W R N S Abeyweera, Lecturer (Probationary)	12		

54	Mr.A.M.K.B.Athapaththu, Lecturer (Probationary)	10	1	1
55	Ms. M. Krishnathasan, Lecturer (Probationary)	11	1	
56	Ms. JEG Chathurangani, Lecturer (Probationary)	8	3	1
57	Ms. M.V.P.T. Lakshika, Lecturer (Probationary)	10		1
58	Mr. T.N.B. Wijethilake, Lecturer (on Contract)	11		1
59	Ms. P.G.M.P. Gamage, Asst. Librarian	9	1	2
60	Mr. G.P.N. Boteju, Instructor Gr. I	8	3	1
61	Ms. J.A.M.S. Wijerathna, SAR/Examinations & Registration (In Attendance)	7		
62	Mr. E.A.D. Sampath Udayanga, SAR/ Academic, Publication & Welfare (In Attendance) (From April 2022)	9		
63	Ms.S.F. Imam, AR/ Examinations & Registration (In Attendance)	12		

1.2.5.2 BOARD OF RESEARCH AND HIGHER DEGREES (BOS-RHD)

The Board of Research and Higher Degrees (RHD) is a formal committee established under the ordinance of UCSC, and there were 12 meetings held during 2022. All matters related to the research, postgraduate studies are discussed in detail on this board, and matters, which require the approval, are forwarded to the Academic Syndicate.

No	Name	Attendance of 12 BOS/ RHD Meetings		
		Present	Absent	Excused
1	Prof. K.P. Hewagamage, Director (Till May) Adviser/QAC	11		1
2	Dr. D.A.S. Atukorale, Director (From June)	12		
3	Prof. T.N.K. De Zoysa, Deputy Director, Head/CMT, Head/RHD (From June)	12		
4	Dr. C I Keppitiyagama, Head/CIS, Head/IUD (From June)	6		1
5	Prof. M.G.N.A.S. Fernando, Head/ISE, Head/EEP (From June)	10		1
6	Mr. G.P. Seneviratne, Senior Lecturer Gr. I, Rep./CIS	5		
7	Prof. (Mrs) M.D.J.S. Goonetillake, Head/ISE (Till May)	5		
8	Mr. W.V. Welgama, Senior Lecturer Gr II, Coordinator/MIT	12		
9	Mr. K.P.M.K. Silva, Senior Lecturer Gr. II, Coordinator/MCS, Rep./CMT, (Sec. RHD)	10		
10	Dr. M.I.E. Wickramasinghe, Senior Lecturer Gr II, Coordinator/MBAnalytics	10		2
11	Dr. P.V.K.G. Gunawardana, Senior Lecturer Gr II, Coordinator/MIS	11		1
12	Dr. T.A. Weerasinghe, Senior Lecturer Gr II, Coordinator/e-Learning Centre	9	1	2
13	Dr. S.S.P. Matara Arachchi, Senior Lecturer Gr II, Coordinator/ADMTC	12		
14	Mrs. M.W.A.C.R. Wijesinghe, Senior Lecturer Gr II Coordinator/MSc in Bioinformatics, Coordinator/QAC	10	1	1
15	Dr.(Mrs.) L.N.C. De Silva, Senior Lecturer Gr II, Project Coordinator/MSc in CS	12		
16	Dr. H.N.D. Thilini, Senior Lecturer Gr II, Project Coordinator/MIT	11		1
17	Mr. P.K.M. Thilakarathna, Lecturer (Prob), Project Coordinator/MIS	11	1	
18	Dr. B.H.R. Pushpananda, Senior Lecturer Gr II, Project Coordinator/MCS	12		
19	Dr. K.A.K.T. Karunanayake, Senior Lecturer Gr II, Project Coordinator/Cybersecurity	10		2
20	Dr. H.K.T.C. Halloluwa, Senior Lecturer Gr II, Project Coordinator/MB Analytics	12		
21	Ms. H.P. Henegama, Deputy Registrar/Examination (On sabbatical until March)	12		
22	Ms. M.S. Wijerathna, SAR/Postgraduate, Research & Projects (In attendance)	12		

1.2.5.3 BOARD OF EXTERNAL AND EXTENSION PROGRAMMES (BOS - EEP)

The Board of External and Extension Programs (BOS-EEP) is a formal committee defined in the ordinance of UCSC. 12 monthly meetings were held to discuss all the matters related to external and extension study programs managed by the UCSC. It is chaired by the Director and there is a formal academic secretary and administrative staff officer to manage the meeting minutes and activities.

No	Name	Attendance of 12 EEP Meetings		
		Present	Absent	Excused
1	Prof. K.P. Hewagamage, Director (till 31st May)	5		
2	Dr. D.A.S. Atukorale, Director (from 1 st June) – Head/EEP (till May)	12		
3	Prof. Kasun de Zoysa, Head/ Dept. of CMT/ RHD	7		
4	Dr. (Ms.) M.D.J.S Goonetillake, Head/ Dept. of ISE (till May)	5		
5	Prof. M.G.N.A.S Fernando, Head/ Dept. of ISE / EEP (from June)	12		
6	Dr. C.I. Keppitiyagama, Head/ Dept. of CIS/IUD	6		1
7	Mr. W.V. Welgama, Secretary EEP& EDC/CS Coordinator	12		
8	Dr. (Ms.) T.A. Weerasinghe, Coordinator- eLearning Centre	11		1
9	Dr. (Ms) K.H.E.L.W. Hettiarachchi, Academic Coordinator -BIT	11		1
10	Dr. Kasun Gunawardana, Coordinator- PDC	6		1
11	Dr. S.S.P. Matharaarachchi, Coordinator- ADMTC	12		
12	Mr. G.P.N Boteju, Coordinator- CSC (till 31 st July)	03	1	4
13	Dr. T.C. Hallouwa, Coordinator-CSC (from 1 st August), BIT Project Coordinator	11		1
14	Ms. K.C. Senarath, Coordinator, Nominee/CDF	11		1
15	Dr. H.B. Ekanayake, Coordinator/IS	6		1
16	Dr. M.I.E. Wickramasinghe, Coordinator/SE	5		2
17	Ms. R.P. Balasuriya, Instructor–Examinations Division	10		2
18	Mr. G.S. Hettiarachchi, BIT VLE Coordinator	9		3
19	Ms. K.M.G.B. Nishakumari, BIT VLE Facilitator	12		
20	Mr. T.C. Galahena, Webmaster – BIT Site	12		
21	Ms. Lakshi Gayanthika, Assistant to BIT Project Coordinator	8		
22	Ms. Prasangika Henegama- DR/Examinations (till May)	4		1
23	Ms. Maduka Wijeratne, SAR/Examinations (from June)	2		5
24	Ms. S.F. Imam, Assistant Registrar/ Examinations	12		
25	Ms. W.M.N.K.Weerasooriya, Assistant Registrar/ EDC	11		1
26	Ms K. Prathayini, AR/ Admin & Actg. AR/Director's Office	10		2
27	Dr.(Ms.) H.N.D. Thilini, BIT Curriculum Committee Invitee	3		
28	Ms. I. S. Samaraweera- Assistant to Academic Coordinator	2		

1.2.6 DEPARTMENTS OF STUDY

1.2.6.1 DEPARTMENT OF COMPUTATION & INTELLIGENT SYSTEMS (CIS)

Department of Computation & Intelligent Systems (CIS) consists of permanent academic staff members who have a direct interest in computer Intelligent Systems. Most of these staff members teach courses of undergraduates as well as postgraduate programs at the UCSC. Dr. D.A.S. Atukorale was the Head of the Department until he was appointed as the Director, UCSC. Dr. C.I. Kappitiyagama was appointed as the Head of CIS with effect from 01st June, 2022. More details are given in the website of UCSC (<https://ucsc.cmb.ac.lk/department-of-computation-and-intelligent-systems/>).

1.2.6.2 DEPARTMENT OF COMMUNICATION & MEDIA TECHNOLOGIES (CMT)

The Department of Communication & Media Technologies (CMT) consists of permanent academic staff members who have a direct interest in computer graphics. Most of these staff members teach courses of undergraduates as well as postgraduate programmes at the UCSC. Prof. T.N.K. De Zoysa was appointed as the Head of Department with effect from 01st June, 2022 and Mr. Malik Silva was the Acting Head of CMT until 31st May, 2022. More details are given on the website of UCSC (<https://ucsc.cmb.ac.lk/department-of-communication-and-media-technologies/>).

1.2.6.3 DEPARTMENT OF INFORMATION SYSTEMS ENGINEERING (ISE)

The Department of Information Systems Engineering (ISE) consists of permanent academic staff members who have a direct interest in information engineering. Most of these staff members teach courses of undergraduates as well as postgraduate programs at the UCSC. Prof. (Mrs.) M.D.J.S. Goonetillake was the Head of the Department until her turn was over on 31.05.2022 and Prof. M.G.N.A.S. Fernando was appointed as the Head of the ISE from 1st June 2022. More details are given in the website of UCSC (<https://ucsc.cmb.ac.lk/department-of-information-systems-engineering/>).

1.2.7 CENTRES

Advanced Digital Media Technology Centre (ADMTC)

The Advanced Digital Media Technology Centre (ADMTC), <https://ucsc.cmb.ac.lk/admtc/>, was established in order to implement the “Project for Human Resource Development in Information Technology through Capacity Building of UCSC” supported by the Japan International Cooperation Agency (JICA) from June 2002 to May 2005.

Following are the main activities carried out by ADMTC during 2022:

- Managing and maintaining the UCSC Auditorium
- Managing and maintaining the Digital Studio of UCSC
- Producing digital and printed materials of UCSC
- Maintaining UCSC Website
- Conducting courses on Graphics Design and Creativity Development and Advanced Multimedia Web Design and Development.
- Contributing to preparing the UCSC Newsletter.
- Facilitating the UCSC conference – ICTer 2022 (www.icter.org/conference)
- Publishing UCSC Journal – International Journal on Advances in ICT for Emerging Regions (ICTer 2022) – www.icter.org/journal

ADMTC has commenced (completed or ongoing) the Graphic Design and Creativity Development course in the year 2022 for two batches of 29 students and the Advanced Multimedia Web Design and Development for four batches of 53 students to disseminate the knowledge. All the batches were conducted in blended mode 2022.

UCSC Auditorium was fully functional for the year 2022. However, ADMTC provided technical support for several events, as mentioned below.

Event	Total Income	Discount	Discounted Income
National Law teacher's online conference organized by university of Grants commission on 26 th of March,2022	300,000/-	150,000/-	150,000/-
MBA inauguration of Faculty of Management University of Colombo on 29 th of September,2022	141,157/-	45,000/-	96,157/-
Members' Orientation Ceremony of Association of Accounting Technicians of Sri Lanka (AAT) on 29 th of November,2022	600,000/-		
Annual Research Symposium of University of Colombo on 16 th November 2022	95,000/-		

Computing Services Centre (CSC)

The Computing Services Centre, <https://ucsc.cmb.ac.lk/csc/>, which is the consultancy arm of the UCSC was established in 1990 to provide Consultancy Services to both public organizations as well as private institutes.

The activities undertaken by the CSC are in three folds.

- Carry out Short Term Training Courses
- Provide Software Development and Consultancy Services
 - Tender Evaluation
 - Systems Recommendation
 - Software Project Consulting and Development
 - Feasibility Studies
 - Acceptance Testing for Computer Hardware & Software
 - Planning and Conducting of Recruitment Testing
- Coordinate outside parties to hire UCSC resources

Short Term Training Courses conducted by CSC

The CSC of UCSC conducts specialized, short-term training programs in the most advanced and up to date topics that are in demand in the industry. These programs are designed with the aim of enabling the participants to learn a particular programming language, a design methodology, new technologies or the use of specialized packages in small groups with close supervision. These courses, which have been designed by the staff of UCSC, follow the industrial requirements and standards. Many of these courses are conducted over 5 to 10 days. Special programs for individual groups of companies were also arranged on demand. Certificates issued at CSC could be verified at <http://www.ucsc.lk/verify> using the certificate numbers.

Tests Conducted by CSC to External Parties

CSC conducted the below-mentioned recruitment and confirmation tests to external parties, in the year 2022.

Description	No. of Participants	Total Income	Discount	Discounted Income
Online examination for recruitment for the posts of System Analyst/ Programmer (Prob.) and Network Engineer (Prob.) to Bank of Ceylon on 6 th of February, 2022	741	3,334,500/-		
Practical Confirmation Test of Management Assistant (Bookkeeping) Grade III to National Institute of Libraries and Information Sciences on 25 th of March, 2022	01	4,000/-	2,000/-	2,000/-
Recruitment Test for Post of Computer Programmer-Library Services to University of Colombo school of computing held on 02nd of September, 2022	09	76,000/-	38,000/-	38,000/-

In addition, CSC took measures to organize a 10 days course for Internal Staff of UCSC from 7th of October, 2022 to 16th of December, 2022, especially for the Administrative and Non-Academic staff of the UCSC. At the end of the workshop, a questionnaire was used to evaluate the participants. 77 staff members participated in the programme. Out of them, 35 staff members were evaluated and awarded with certificates as successfully completed the course and the other 42 received certificates for participation.

External Degrees Centre (EDC)

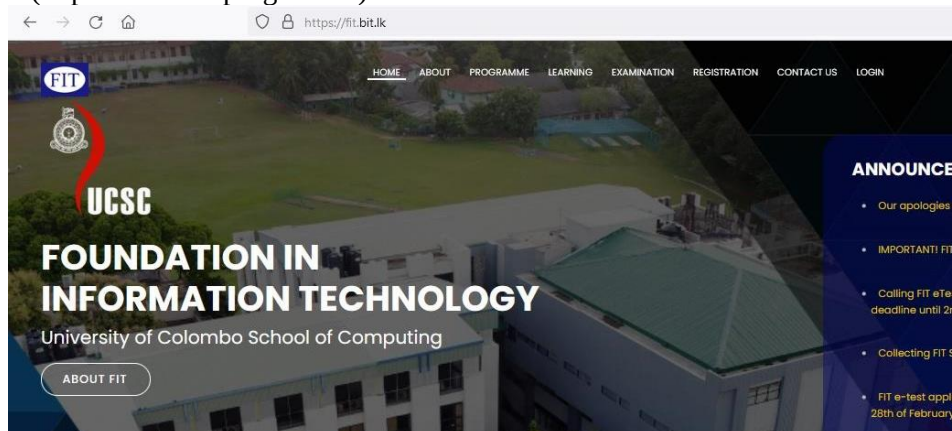
The External Degree Centre (EDC), <https://ucsc.cmb.ac.lk/academic-programmes/edc/> was established in order to manage the external and extension programs of UCSC in order to provide effective and efficient service to the general public. Currently, EDC coordinates the Bachelor of Information Technology (BIT) as an external degree programme of the University of Colombo.

Main activities carried out by the EDC for the year 2022 are registration of new BIT Students (more than 3000), Re-registration of current students (more than 5000), conducting meetings with teaching institutions (more than 20 teaching institutes), conducting a institute meeting with the Teaching Institutes, conducting BIT Semester one to six examinations (more than 3000 students) in Colombo, Kandy, Jaffna and Galle. EDC also carries out many activities related to the promotion of the BIT degree programme. Details of EDC is published and maintained at <http://ucsc.cmb.ac.lk/academic-programmes/edc/>

E-Learning Centre (eLC)

E-Learning Centre (eLC), <https://ucsc.cmb.ac.lk/elc/>, is one of the six centres of the University of Colombo School Of Computing. Its main goal is to facilitate the digital transformation of the teaching-learning process by integrating e-learning practices. Although it is a service centre of the UCSC to support undergraduate, postgraduate and external and extension degree programmes, it has become a national Centre during the last decade by providing services for both local and international organizations (www.e-learning.lk). eLC has a dedicated staff to conduct research and development work in e-Learning.

During 2022, eLC could complete FIT online course development activities and assignment question bank development. eLC could handle all the FIT student registrations via its newly introduced FIT Web Portal (<https://fit.bit.lk>). The improved syllabi have been prepared as a booklet and published via FIT Web Portal (<https://fit.bit.lk/programme>).



Also, eLC could complete the development of online courses for semesters 1, 2, 3 and 4 in the BIT degree programme. At the beginning of the 2nd half of the year, eLC started developing the online courses for Semesters 5 and 6 of the BIT degree programme. On the 23rd of September and the 28th of October, two workshops were conducted to make the subject matter experts and moderators aware of the development process and the quality of the expected content.

Moreover, eLC could conduct FIT e-Tests three times during the year. The statistics are as follows.

Record of FIT e-Test Examinations conducted during the year

Date	Online/ Onsite	Number of Applicants Sat for the Exam	Number of Students got Eligible for BIT Registration	Pass Rate
18-27 January	Onsite	332	78	23%
21-31 March	Onsite	230	72	31%
09 May–23 June	Onsite	200	60	30%
2-5 August	Online	111	31	27%

During 2022, there were 829 new registrants to the FIT programme. Having passed all three e-tests, 241 students were eligible for the BIT registration. Also, 28 students applied for the FIT practical tests, and 20 students passed the practical tests. Having passed the three e-tests and the practical test, 13 students completed the FIT programme.

Additionally, eLC continued its contributions to national and international organizations by engaging in the following two major activities.

1. An online course on “Video-based Learning Content Development for e-Learning & b-Learning” for the International Institute of Online Education (IIOE) of UNESCO-ICHEI (<https://www.iioe.org/>). eLC could complete the improvement of the pre recorded videos and identify future improvements. The coordinator eLC liaised with the respective Program Officer at the UNESCO-ICHEI, and the Director of UCSC signed an amendment to the agreement extending the validity period until March 2023. Also, the Coordinator eLC presented the progress and future plan of work at the annual conference for “South Asian Regional Consultation on Supporting University Teachers for the Digitally Transformed Future Through IIOE”, held via Zoom on the 15th of November 2022.

2. Pre-University English Language Course for University Grant Commission, Sri Lanka, delivered via PUPVLE (<https://fitvle.bit.lk/pup/>). eLC started the 2nd phase of this project (received the comments from the external reviewers) on the 16th of September 2022 by conducting a workshop with the subject matter experts and the advisors recommended by the University Grants Commission of Sri Lanka.
3. Conducted Moodle LMS Installation and Administration Course for Sri Lanka Navy on 03rd and 10th June 2022. The course is delivered via hybrid mode allowing the participants to join online or physically depending on their working nature.

In addition to the above-mentioned activities, eLC carried out below mentioned activities also during the year 2022.

- Maintaining and administering learning management systems of undergraduate as well as master's degree programs of the UCSC.
- Providing e-facilitation to online learners of the BIT degree programme and FIT programme.
- Diversifying the teaching-learning process to make it more interesting, efficient and contemporary.
- Conducting research and development in e-learning to enhance the quality of higher education within UCSC and the country.
- Establishing the culture of electronic education to produce high-quality blended learning courses.
- Supporting the improvement of the e-learning infrastructure of the UCSC.

Professional Development Centre (PDC)

The Professional Development Centre (PDC) is one of the centers at UCSC, established to keep a close liaison with the IT industry to improve the academic activities through industry-academia partnership. The mission of the Professional Development Center is to produce socially responsible professionals with entrepreneurial skills, leadership qualities, and integrity. The center facilitates training programs to improve the professional skills of both the academic staff and the undergraduates. The PDC invites the IT industry to conduct awareness programs on current trends in the IT industry, industrial practices, career paths in various disciplines, and thus, creating value addition to enhance overall graduate quality and employability.

Activities for the year 2022

- The final industry placement evaluations were carried out for the academic year 2021/2022.
- A selection committee was appointed and facilitated the evaluation to select the best candidate for the award of "Best Performance in Industrial Placement – 2021/2022."
- Student and company feedback was collected concerning industry placements carried out in 2021/2022.
- Organized several sessions for professional development together with the industry for both internal and external undergraduates.
- The newly registered companies under the UCSC internship program were interviewed via Zoom (Number of New Companies for 2022 - 25).
- Two hundred seventy-two (272) students were placed in 67 IT companies, 7 UCSC Projects under the undergraduate internship program for the academic year 2022/2023.
- Twenty (20) different professionals were invited from the IT industry to conduct tech talks for the 3rd-year undergraduates.

- Industry placement monitoring program was conducted to monitor the interns' progress and discuss any issues pertaining to the internship program 2021/2022.
- Separate meetings were organized with the head of directors of LSEG (PVT) LTD, Infor Nexus to discuss the potential collaboration to reduce the gap between the academia and the industry.
- Organized/Facilitated a session for UCSC academic staff. The LSEG conducted this session in their company premises.
- Several web banners, Competitions; online sessions organized by the IT industry were published and encouraged students to participate.
- Organized/Facilitated the 'Quality Assurance course', conducted by IT professionals and sessions were conducted for internal/external undergraduates of UCSC.
- Several meetings were conducted with professionals from the IT industry to enhance the industry-academia partnership.
- Engaged in handling the student issues and inquiries throughout the year.

Center for Digital Forensics (CDF)

The Centre of Digital Forensics (CDF), <https://ucsc.cmb.ac.lk/cdf/>, was established in 2011 by modifying the ordinance of UCSC by a special announcement since UCSC was requested to support respective law and order institutes in the digital forensic activities. During the last 20 years, these authorities in the country have requested the UCSC to carry out investigations due to the absence of a proper mechanism in the country. With lots of difficulties, UCSC has been supporting these institutes. Key organizations, which are requesting services, are different Courts, Criminal Investigation Department and Terrorist Investigation Units.

Finding pieces of evidence in digital offensive activities is a sensitive as well as a difficult process, which requires a research and development approach. In the past, several supporting tools have been developed by academic and academic support staff at UCSC to carry out these investigations and some of them have been published in International Conferences.

UCSC received more than 650 requests from different legal organizations during the last two decades, but it was very difficult to provide the required support due to the complexity and lack of funding and infrastructure. With the help of the Korean Government, UCSC helped the Government to expand the capacity of the Government Analysis Department and the Criminal Investigation Department to establish separate units for these operational tasks. This dramatically reduces the cases reporting to CDF, however, 217 cases to be investigated by 31st December 2022 and we have already completed 463 cases.

Since 2022 CDF has taken the responsibility of conducting undergraduate courses in the area of Information Security and Digital Forensic. In addition to that, CDF continues its support to conduct various postgraduate programs at UCSC.

CDF has been providing consultancy services for the Government Organizations, different Courts, Criminal Investigation Department as well as the Private Organizations in the field of Digital Forensics from the year 2022 by expanding its infrastructure facilities. Therefore CDF is expects to provide additional services in the field of Digital Forensics to the government and the private sector and earn more income in 2023.

2.EDUCATION

2. EDUCATION

According to the corporate plan of UCSC, the major responsibility of the organization is to promote computing education according to the relevant standards under the University of Colombo. Hence, UCSC manages computing education with respect to undergraduate programs (internal), postgraduate programs, and external or extension programs. The three Boards of Studies (described in previous sections) are responsible for the operational processes of these educational programs.

2.1 UNDERGRADUATE EDUCATION

Computing studies at the undergraduate level were first introduced back in 1967 as a part of the courses offered by the Faculty of Science at the University of Colombo. UCSC, which is the computing faculty of the University of Colombo, still continues to offer courses at the Faculty of Science and 1215 students of the Faculty of Science followed courses conducted by the UCSC in 2022. Degree programs in Computing were started in 1990 at the University of Colombo under the Faculty of Science, but after establishing UCSC, undergraduate degrees in Computing became the main responsibility of UCSC. In 2022, 350 students selected by the UGC were given the opportunity to follow the courses in Computer Science (CS) degree, Information System (IS) degree and Software Engineering (SE) degrees at UCSC.

2.1.1 INTERNAL UNDERGRADUATE DEGREE PROGRAMMES

UCSC currently offers five undergraduate degree programs in Computer Science, Software Engineering and Information systems considering both **SLQF Level 5** and **SLQF Level 6** declared by the University Grants Commission. The curriculum of these degree programs was designed and developed based on the IEEE/ACM international guidelines for computing degrees. UCSC has also established an academia-industry advisory board to obtain the feedback of the local industry to improve the relevance of all its computing degrees in order to maintain the **employability rate of UCSC graduates over 90%**. Those five degrees are depicted below with respect to SLQF levels.

Table: 2.1.1. - A: SLQF Levels of Undergraduate Programs

Degree Programme	Duration (Academic Years)	SLQF Level
Bachelor of Science in Computer Science (BSc in CS)	3 Years	Level 5
Bachelor of Science Honors in Computer Science (BSc Hons. in CS)	4 Years	Level 6
Bachelor of Science Honors in Software Engineering (BSc Hons. in SE)	4 Years	Level 6
Bachelor of Science in Information Systems (BSc in IS)	3 Years	Level 5
Bachelor of Science Honors in Information Systems (BSc Hons. in IS)	4 Years	Level 6

The selection for the four-year degree programme is carried out based on the students' performances of the first two years. Students who earn more than 2.75 GPA are eligible to apply for honors degree but the current intake size for CS stream is 50 and IS stream is 25. CS students were given the opportunity to select BSc Hons in CS or BSc Hons in SE. Results of the first two years examination were released before the commencement of the first semester of the third year of studies. The revised curriculum is now active for all degree programs. A/L students who have at least a Credit Pass (C) in Combined Mathematics or Physics or Higher Mathematics AND at least a Pass (S) in TWO other subjects from

Combined Mathematics, Higher Mathematics, Physics, Chemistry, Information & Communication Technology or Mathematics are eligible to apply for CS stream at UCSC.

A selection test (aptitude test) was held for the IS degree programme in October 2022 **where 3633 applicants applied and 380 were qualified** to apply for the IS stream.

2.1.2 ACADEMIC YEAR – 2020/2021 AND STUDENT ENROLMENT

Table 2.1.2. - A: Enrolment - Distribution of UCSC Intake – 2022

Stream of Study	Intake Size	Number enrolled	Male	Female
CS Stream	230	227 (98.7%)	148 (65.2%)	79 (34.8%)
IS Stream	120	108 (90%)	54 (50%)	54 (50%)
Total	350	335 (95.7%)	202 (60.3%)	133 (39.7%)

An academic year usually consists of two semesters where each semester comprises 15 weeks. A mid-semester break is one week and there will be one week of study leave after the semester before commencing the examination. The calendar for the academic year 2022 is given below. The inauguration for the new undergraduate students selected for UCSC was held **on 06th June 2022** and the orientation programme from **23rd May 2022 to 31st May 2022 (online)** before the commencement of the academic year.

<https://ucsc.cmb.ac.lk/inauguration-ceremony-2022/>

Academic Time Table for the Year 2022

DURATION		WEEKS	17/18	18/19	19/20	20/21
From	To					
23-May-2022	5-Jun-2022	2	Orientation Programme - 2020/2021 Intake Inauguration - 6th June 2022.			
6-Jun-2022	7-Aug-2022	9	4S1	3S1	2S1	1S1
8-Aug-2022	14- Aug-2022	1	Mid Semester Break			
15-Aug-2022	25-Sep-2022	6	4S1	3S1	2S1	1S1
26-Sep-2022	2-Oct-2022	1	Study Leave			
3-Oct-2022	30-Oct-2022	4	First Semester Examination 1st,2nd,3rd & 4th Years			
31-Oct-2022	20-Nov-2022	3	Vacation			
21-Nov-2022	27-Nov-2022	1	4S2	3S2	2S2	1S2
28-Nov-2022	4-Dec-2022	1	Mid Semester Break (ICTer Conference)			
5-Dec-2022	25-Dec-2022	3	4S2	3S2	2S2	1S2
26-Dec-2022	1-Jan-2023	1	Christmas & New Year Vacation			

2-Jan-2023	19-Mar-2023	11	4S2	3S2	2S2	1S2
20-Mar-2023	26-Mar-2023	1	Study Leave			
27-Mar-2023	9-Apr-2023	2	Second Semester Examination for the 1st,2nd & 4th Years			
10-Apr-2023	23-Apr-2023	2	Sinhala & Hindu New Year Vacation			
24-Apr-2023	30-Apr-2023	1	Continuation of Second Semester Examination for the 1st,2nd & 4th Years			

UCSC faces several administrative problems when synchronizing teaching courses of both the Faculty of Science and UCSC. However, due to online delivery of lectures, it was possible to address some of those issues.

2.1.3 STUDENT PERFORMANCES AT EXAMINATION

Table 2.1.3. - A: Study Programme: CS Stream

Academic Year	Registered Students	No of Students Sat for Exam	No. of Students – GPA ≥ 2.00	No. of Students $2.0 > \text{GPA} \geq 1.5$	GPA < 1.5	Pass Rate % [No. students ≥ 1.5 / No. of students Sat Exams]
2020/2021 (1 st Year)	227+3	227+3				
2019/2020 (2 nd Year)	228	228	195	12	21	91%
2018/2019 (3 rd Year General)	127	127	127			100%
2018/2019 (3 rd Year Special)	51	51	51			100%
2017/2018 (4 th Year)	50	50	50			100%

Table 2.1.3. - B: Study Programme: IS Stream

Academic Year	Registered Students	No of Students Sat for Exam	No. of Students – GPA ≥ 2.00	No. of Students $2.0 > \text{GPA} \geq 1.5$	GPA < 1.5	Pass Rate [No. students ≥ 1.5 / No. of students Sat Exams]
2020/2021 (1 st Year)	108	108				
2019/2020 (2 nd Year)	121	121	102	12	7	94%
2018/2019	70	70	64	3	3	96%

(3 rd Year General)						
2018/2019 (3 rd Year Special)	25	25	25			100%
2017/2018 (4 th Year)	25	25	25			100%

Students are supposed to complete both continuous assessments and semester exams in order to get through respective academic courses based on the curriculum of degree programs. The blended learning is practiced in all degree programs and the Virtual Learning Environment (VLE) for the degree programme <http://ugvle.ucsc.cmb.ac.lk>

2.1.4 INDUSTRIAL PLACEMENT

In order to improve the relevance of the degree program concerning national and industrial requirements, industrial placement has been introduced as a compulsory requirement for all the students of UCSC. The Professional Development Centre (PDC) was set to address these requirements and keep a close liaison with the IT industry and improve the academic programs with the help of the industry. The second semester of the third year of studies is allocated for industrial placements. UCSC has also established an academia-industry advisory board to obtain the feedback of the local industry to improve the relevance of all its computing degrees to maintain the employability rate of UCSC graduates over 90%. The statistics of the 2022/2023 placement are given below.

Table 2.1.4. - A: Distribution of Industrial Placement with respect to organizations

Type of Organizations – Placement	Number of Students Placed	Number of Organization
IT Companies	270	67
Research and Consultancy Projects at UCSC	9	7
Total	279	74

Apart from the industrial training, the PDC organized a series of tech talks and guest lectures from various companies. This time these talks were organized via zoom due to the pandemic situation. The sessions were aligned to make the undergraduates aware of the role that they have to play as professionals after being graduated. In addition, the PDC organized a series of seminar sessions on professional skills development in collaboration with the industry to provide the students with better employment opportunities.

2.1.5 UNDERGRADUATE STUDENT WELFARE

(a) Hostel Facilities

In the year 2022, the UCSC provided the neediest 1st year as well as final year undergraduates with residential facilities in keeping with the UCSC policy and according to the progress of the University Grants Commission (UGC). Since there are no dedicated hostel facilities, UCSC rented two private properties for Boys' Hostel in Battaramulla (which could accommodate around 35 students) and Girls' Hostel in Kohuwala (which could accommodate 36 students). The Warden and Sub-Wardens who are staff members of UCSC, were appointed to monitor the management of hostels and the Academic

Publication and Student Welfare (APW) division manages both hostels. The detailed statistics of 2022 are given in the table below.

Boys Hostel:

Hostel Address: 474/B, Kaduwela Road, Deniyawatta, Battaramulla

Academic Warden: Dr. M.I.E. Wickramasinghe

Academic Sub-Warden: Mr. R.J. Amaraweera

Capacity: 35

Girls Hostel:

Hostel Address: 76/16A, Sunethradevi Mawatha, Kohuwala, Nugegoda

Academic Warden: Dr. (Mrs.) T.A. Weerasinghe

Academic Sub-Warden: Ms M.G.A. Srimalee

Capacity: 36

Table 2.1.5.1. – A: Hostel Facilities Requested and Granted in 2022

Hostel	Applied for hostel facilities	Final year (3 rd and 4 th)					Total
		1 st Year students		students			
		CS Stream	IS Stream	CS Stream	IS Stream	SE Stream	
Boys Hostel	85	60	25				85
Girls Hostel	57	39	18				57
Total	142	99	43				142

Table 2.1.5.1. - B: Funds spent on Hostel facilities

Hostel	Capacity	Rent for 12 Months	Utility Cost	Management Cost	Registered Students	Cost per student Rs.
Boys' Hostel	35	1,800,000.00	Other: 29,640.32 Water: 14,400.00 Electricity: 66,000.00	Warden Allowance: 6,000.00 Sub Warden Allowance: 9,000.00 Caretaker Salary: 540,000.00	35	70,429.72
Girls' Hostel	36	900,000.00	Other: 200,000.00 Water: 120,000.00 Electricity: 240,000.00 Telephone: 7,200.00	Warden Allowance: 6,000.00 Sub Warden Allowance: 9,000.00 Caretaker Salary: 540,000.00	36	168,516.70
Total					71	238,946.40

(b) Canteen facilities

UCSC has to provide its students with canteen facilities since the canteens of other faculties are congested during the lunch hours and not in the vicinity of UCSC premises. The canteen faced several operational problems due to the unavailability of a suitable kitchen to prepare foods internally. However, the canteen was running under the temporary arrangement for the kitchen.

UCSC student canteen is usually opened at 7.00 am and the service is available until 6.00 pm during the academic semesters. The management of the canteen is monitored by a canteen committee which comprises senior academics, administrative staff members and student representatives. The committee meets at regular intervals to discuss as well as take actions to improve the canteen service of UCSC.

Mr. Kevin Gomes was selected as the Canteen Contractor for the student canteen for a period of two years under the government procurement procedure in 2022.

Since the student canteen is congested during regular hours of operations, a small staff canteen is maintained at the rooftop. Only staff and visitors are allowed to use this cafeteria and the lunch area is also located at the rooftop of the building complex

(c) Counseling for Undergraduates

The student counseling is a service provided free of charge by the UCSC for all undergraduate students. Our experience over the past decades has shown that the level of stress resulting from various incidents of life such as family matters, relationships, learning, and career decisions, is increasing. The UCSC counseling service focuses on providing a conducive environment for students who seek help at the early stage of their particular psychosocial problem. Our Counselors are qualified to give a listening ear to the students and to assist them to help themselves in dealing with issues that they are facing. However, the Counselors are also trained to make a decision whether a particular problem requires further help, and so to refer such a student to a Professional Counselor who visits the UCSC on an hour basis. A separate room has been allocated for student counseling and services are offered to the persons who need help.

It is important to note that all information that students communicate with student counselors will be kept confidential and will only be communicated to the Professional Counselor if the student agrees. Similarly, the Professional Counselor will only communicate back to the UCSC if there is any action required by the UCSC with respect to any impact on the issue of the study program that the student is engaged in. If the Professional Counselor determines that further help is needed he/she will refer the student, with his/her consent, to a Clinical Psychologist or Psychiatrist.

The Services of two academic Student Counselors, namely Dr. (Mrs) L.N.C. De Silva and Mr. K.T. Karunanayake was provided for all students in 2022. The Professional Counselor Mrs. Nilani Thushanthika provided the service of 2 -3 hrs a day in 2022 to facilitate the students who required counseling. UCSC paid for the service of Professional Student Counselors on an hourly basis. In general, around 30-40 students took regular consultations from these Counselors.

During 2022, online counseling was provided through phones and online meetings with counselors since physical visits were not possible due to covid-19 pandemic situation. Several online surveys were conducted to find out common issues of students and specific issues due to covid-19 pandemic. The Professional Student Counsellor was asked to follow up on those specific issues and students who faced

issues with respect to financial difficulties due to the pandemic were given special support with the help of Alumni association of UCSC.

(d) Financial Assistance for Undergraduate Students

Financial assistance was given to students in the form of Mahapola Scholarships, Bursaries, Industry Scholarships, and student welfare and distress fund.

Mahapola Scholarships

The Mahapola scholarships sponsored by the Mahapola Trust Fund of the Ministry of Commerce & Consumer Affairs were awarded to 285 students during the year 2022. The value of Merit and Ordinary scholarships were Rs. 5,050 and 5,000 respectively (Computer Science [CS] + Information System [IS]).

Table 2.1.5.1. – C: Number of students - Mahapola Scholarship Granted – 2022

Year of Intake	Year of Study	Merit scholarship (CS+IS)	Normal scholarship (CS+IS)	Total
2020/2022	Year 1	-	-	-
2019/2020	Year 2	9(9+0)	118(78+40)	127 (87+40)
2018/2019	Year 3	6(6+0)	118(96+22)	124 (102+22)
2017/2018	Year 4	9(09+0)	25(17+8)	34 (26+8)
All	Total	24	261	285

Bursaries

Bursaries were awarded in accordance with UGC Circulars, which governs the selection of students for Bursaries. 49 students were awarded Bursaries during 2022. The breakdown of the Bursary recipients for the year 2022 is shown in the following table (Computer Science [CS] + Information System [IS]). During 2022, the bursary payment was made to facilitate students to engage in the education through online mode.

Table 2.1.5.1. – D: Number of students -Bursary Granted – 2022

Year of Intake	Year of Study	Full Bursary (Rs. 4000)		Total
		CS	IS	
2020/2022	Year 1	79	25	104 (79+25)
2019/2020	Year 2	10	13	23 (10+13)
2018/2019	Year 3	4	10	14 (10+4)
2017/2018	Year 4	4	1	5 (4+1)
All	Total	97	49	146

Industry Scholarships

Private organizations are invited to sponsor scholarships for needy students every year. **IFS R&D Ltd. sponsored 8 scholarships** at Rs. 5000/= per month for a period of 12 months. The Deputy Director,

Heads of the Departments, Coordinators of the Undergraduate degree programmes, Student Counselors and Administrative Officers are directly involved in selecting these students after interviewing them.

Table 2.1.5.1. – E: Industry Scholarships 2022

Number of scholarships and scholarship amount	Number of First Year Students	Number of Second Year Students
08 Scholarships – Rs. 5,000/- per month	3 Students	5 Students

UCSC Student Distress and Welfare Allocation

A few years ago, UCSC academic staff monitored the requirements of the students in order to support students who were suffering from financial difficulties and unexpected personal problems such as sudden loss of parents, health problems etc. Hence, the academic staff decided to allocate 2% of the income of master's and external degree programs to utilize them for student distress and welfare activities. In 2022, the following activities were carried out utilizing funds available in this allocation.

The special financial support for the most deserving student is based on the following evaluation criteria:

- Annual parental income
- Number of Siblings (School going and doing higher education)
- Distance between home & University
- Other Scholarships / Financial Support
- Special circumstances in the family
- Recommendation of the selection panel

In 2022, 27 students were offered scholarships from the Student Welfare and Distress Fund. Among them, there were 19 scholarships at Rs. 5,000/- and 08 scholarships at Rs. 3,000/- for a period of 10 months. Hence, over 0.6 million from UCSC generated income was spent on special scholarships for students who had financial difficulties.

Table 2.1.5.1. – F (A): Special Financial Supports 2022

Number of full scholarships and scholarship amount	Number of partial scholarships and scholarship amount	Total Amount for year 2022
19 Scholarships – Rs. 5,000/- per month	08 Scholarship - Rs. 3,000/- per student	Rs. 119,000/- *10 Rs.1,190,000/-

Table 2.1.5.1. – F (B): Special Financial Supports 2022

Utilization Category	Event	No. of students	Paid Amount (Rs.)
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Utilization of the Student Welfare and Distress Fund	Granted LKR 100000/- for Kidney Surgery of CS Undergraduate student.	01	100,000/-
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Scholarship Funded By Foreign Donors

As per a request made by a private donor, UCSC has selected 1 student to initiate in setting up this scholarship which will go a long way in assisting the needy students and encouraging them to further academic activities.

Table 2.1.5.1. – G: Scholarships Funded by Foreign Donors 2022

Number of scholarships	Scholarship amount	Duration
01 Scholarship	Rs. 5,000/- per month	Until the studentship ends

Table 2.1.5.1. – G (I): Shorea Robusta Scholarships - 2022 (4th year Scholarship)

Number of scholarships	Scholarship amount	Duration
02 Scholarships	2 Full Scholarships (Rs. 4,000/- per month)	10 Months

2.1.6 UCSC STUDENT UNION

According to the progress of the Sub-Paras 25 and 26 of the Ordinance, University of Colombo School of Computing No. 01 of 2002, the Student Union election was held for the year 2022 and following office bearers were elected for the Student Union.

Name of the Student	Reg. Number	Office Bearer
A.A.N.Nishamal	2019/IS/052	President
K.G.Gavishka	2020/CS/059	Vice-President
W.A.G.M. Weerasinghe	2020/IS/113	Secretary
B.M.R.P. Balasooriya	2020/IS/012	Editor
A.A.W.G.W.T.S.H.Galahitiyawa	2020/CS/053	Junior Treasurer
N.P. Rajan	2020/IS/078	Committee Member
M.Sangeerthan	2020/IS/093	Committee Member
M.R.M.Ashfak	2020/CS/016	Committee Member
N.D. Kumarage	2020/CS/100	Committee Member
K.M.B.B.Dharmasena	2022/IS/018	Committee Member
H.V.B.L. Gunawardana	2022/CS/072	Committee Member
K.B.A.I. Kalupahana	2022/CS/097	Committee Member
S. Arunshanth	2022/IS/009	Committee Member

Many activities of students are coordinated by the Student Union and the several students' clubs and societies conducted several events during the year 2022 such as Sinhala-Tamil New Year, Annual Pirith ceremony, Vaani Vizha were conducted during 2022.

2.1.7 STUDENT ACTIVITIES

Student activities are carried out through the Student Union of UCSC mainly to promote cultural and recreation activities. The relevant details are stated below.

Table 2.1.7.: A: Timeline of Key Student Activities – 2022

Event	Date
UCSC Students' Union	
- Piritha 2022	06/13/2022
- TOC 2022	05/08/2022
- UCSC Padura 2022	17/12/2022
- Vani Vizha 2022	08/12/2022
IEEE Student Branch	
- IEEEExtreme 16.0	02/12/2022
- IEEE Introductory Session 2022	17/06/2022
- RevolUX 2.0	17/07/2022
- Imagine Cup Awareness Session	30/12/2022
IEEE CS Chapter	
- IEEE CS Chapter of UCSC Introduction	04/11/2022
- Python session series	10/08/2022
- Revive session series	30/06/2022
- IEEE introductory session	17/06/2022
- Interlick 2.0	10/01/2022
IEEE WIE	
- Scholarship Awareness session	21/12/2022
- WiCSaT 2022	20/08/2022
- IEEE Introductory Session 2022	17/06/2022
Computer Science Society (CompSoc)	
- Hosting a Secure Web Server series	26/09/2022
- Full stack web development series	09/09/2022
- Tec talks - Fundamentals of Digital Marketing and Content Creation	15/01/2022
ISACA Student Group	
- Fresh Hack 3.0	28/12/2022
- iMic logs episodes (up to 9)	02/11/2022
- Career Guidance Session	04/09/2022
- IT Risk fundamentals session	04/06/2022
- 4th CSSL GenZ forum breaking into cybersecurity session	21/03/2022

ACM Student Chapter of UCSC - ACM Meetup November - Introductory Session - Getting started in the field of ICT ACM meetup - How to follow SDLC in software development - Workshop on Kubernetes - Go Codeless with Twilio Studio	13/11/2022 22/08/2022 12/08/2022 22/07/2022 04/06/2022 12/01/2022
Rotaract Club of UCSC - Book Donation Campaign - SportX guest speaker sessions - Project Aaloka Donation Drive - Smart Corporate Session - Dev-possible sessions - Entrepreneurship session - Elevate Rotaract Session - Beach Cleanup	31/12/2022 24/12/2022 13/12/2022 19/11/2022 28/08/2022 27/08/2022 11/08/2022 10/08/2022
Pahasara - UCSC MEDIA - Piritha 2022 - The Batch Photo of the 2017/2018 academic year graduates - The Convocation Ceremony of University of Colombo School of Computing - Vaani Vizha 2022 - UCSC Padura 2022 - The Post-Conference workshop of the ICTer 2022 - 22nd International Conference on Advances in ICT for Emerging Regions (ICTer 2022) - The Pre-Conference workshop of the ICTer 2022 - The Annual Research Symposium - 2022 - UOC Inter-faculty Freshers' Championship 2022 - WiCSaT 2022 - "Trophy of Computing" Cricket Tournament 2022 - General Convocation 2020 - University of Colombo - National Olympiad in Informatics - Sri Lanka - 2022	13/06/2022 17/12/2022 14/12/2022 08/12/2022 17/12/2022 02/12/2022 01/12/2022 29/11/2022 25/11/2022 26/10/2022 03/09/2022 19/08/2022 02/08/2022 07/07/2022

Details of these events are available at the <http://ucsc.cmb.ac.lk/events/> and they are announced using the public calendar of UCSC at <http://ucsc.cmb.ac.lk/ucsc-calendar/>.

2.1.8 STUDENT ACHIEVEMENTS

2.1.8.1 EXTRACURRICULAR

Students are encouraged to participate in many extracurricular activities to enhance their knowledge, skills, attitude and mindset. At the same time, such participation provides a better external reputation for the UCSC and its students. The following list provides the details of the achievements in 2022.

Competition	Achievement
Design Code UI UX Workshop - UoM (Inter Uni)	2nd and 3rd places
RevolUX 2.0 Designathon - UCSC (Inter Uni)	2nd place - Team Back Benchers

2.1.9 GRADUATION 2022

The graduation ceremony for the year 2022 was held on 13th & 14th December 2022. 265 students graduated from 5-degree programs in Computer Science, Information Systems and Software Engineering streams. Students of the BSc in Information Systems and BSc Hons. in Information Systems degree programs are analyzed with respect to their A/L study stream (Tables 2.1.9 B and 2.1.9 C).

Table 2.1.9. – A: Final Academic Performance of UCSC Graduates – 2022

Programme of Study	Main/Repeat	No. of students Sat for the Final Exam		Total no. of students Graduated											
				First Class		Second Upper		Second Lower		Pass		Total		Pass Rate %	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
B.Sc. in Computer Science (A/Y 2017/2018)	Main	91	52		1	19	14	26	11	30	22	75	48	82.42 %	92.30 %
B.Sc. in Information Systems (A/Y 2017/2018)	Main	35	30		1	13	9	6	12	10	3	29	25	82.86 %	83.33 %
B.Sc. (Hons) in Computer Science (A/Y 2016/2017)	Main	28	12	25	12	3						28	12	100%	100%
B.Sc. (Hons) in Software Engineering (A/Y 2016/2017)	Main	6	4	3	2	3	2					6	4	100%	100%
B.Sc. (Hons) in Computer Science (A/Y 2015/2016)	Repeat	1						1				1		100%	
B.Sc. (Hons) in Information Systems (A/Y 2016/2017)	Main	12	13	9	12	3	1					12	13	100%	100%
B.Sc. in Computer Science (A/Y 2013/2014)	Repeat	1								1		1		100%	
B.Sc. in Computer Science (A/Y 2014/2015)	Repeat	1								1		1		100%	
B.Sc. in Computer Science (A/Y 2016/2017)	Repeat	6	1					1		5	1	6	1	100%	100%
B.Sc. in Information Systems (A/Y 2016/2017)	Repeat	1	2							1	2	1	2	100%	100%

Table 2.1.9. – B: Performance of BSc in IS Graduates with A/L study streams

Class		First			Second Upper			Second Lower			Pass			Total
Gender		M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	
Stream	M				12	6	18	3	6	9	4	3	7	34
	B		1	1		2	2	1	4	5	1	2	3	11
	C				1	1	2	2	1	3	5		5	10
	A													
	T								1	1	1		1	2
Total			1	1	13	9	22	6	12	18	11	5	16	57

M – Mathematics, B – Biology, C- Commerce, A – Arts, T - Technology

Table 2.1.9. – C: Performance of BSc (Hons) in IS Graduates with A/L study streams

Class		First			Second Upper			Second Lower			Pass			Total
Gender		M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	
Stream	M	7	9	16	2	1	3							19
	B	2	3	5	1		1							6
	C													-
	A													-
	T													-
Total		9	12	21	3	1	4							25

M – Mathematics, B – Biology, C- Commerce, A – Arts, T - Technology

2.1.10 UNDERGRADUATE AWARDS

Several convocation awards are declared for all degree programs at UCSC. There is a pre-defined criterion for these awards, and all selections are approved by the Senate of the University of Colombo.

Table 2.1.10. – A: Convocation Awards for Information Systems Degree Programme – 2022

Name of the Award	Name of the Awardee
Zebra Technologies Academic Excellence Award for the Best Performance in three year degree - 2021	Ms. Jayalath T.D. (Index No.: 18020348)
IFS Academic Excellence Award for the Best Performance in four year degree - 2021	Ms. Samarasekara I.K. (Index No.: 17020743)
Sampath Bank Award for the Best Final Year Project - 2021	Ms. Samarasekara I.K. (Index No.: 17020743) Ms. Bandara M.S. (Index No.: 17020141) Mr. Mendis A.O.K. (Index No.: 17020522)
David Pieris Group Gold Medal for the Best Performance in Industrial Placement – 2021	Ms. Imasha M.B. (Index No.: 18020331)

Table 2.1.10. – B: Convocation Awards for Computer Science Degree Programme – 2022

Name of the Award	Name of the Awardee
Virtusa Academic Excellence Award for the Best Performance in three year degree – 2021	Ms. Amarasekara A.D.M.R. (Index No.: 18000118)
Professor Mohan Munasinghe Award for Computer Science - 2021	Mr. Piyadasa M.T.D. (Index No.: 17001323) Ms. Hewavitharana J.P. (Index No.: 17000564)
ICTA Award for the Best Computer Science Final Year Project - 2021	Mr. Kumarasinghe U.U. (Index No.: 17000912)
David Pieris Group Gold Medal for the Best Performance in Industrial Placement – 2021	Mr. Karunarathne J.R.M.D.B. (Index No.: 18000797)

Table 2.1.10. – C: Convocation Awards for Software Engineering Degree Programme – 2022

Name of the Award	Name of the Awardee
IFS Award for the Best Performance in B.Sc. (Hons) in Software Engineering – 2021	Mr. Arachchi S.M.W. (Index No.17000076)
Soma Goonetillake Memorial Award for the Best Final Year Project in B.Sc. (Hons) in Software Engineering – 2021	Mr. De Silva J.S.N. (Index No.: 17000221) Ms. Rupasinghe D.N.N.Y. (Index No.: 17001463) Ms. Wijesekara P.D.C.G. (Index No.: 17001943)
Wimala Jayaratne Memorial Award for the Best Performance in Software Engineering in B.Sc. (Hons) in Software Engineering - 2021	Ms. Illesinghe R.J. Index No.: 17000582)

Table 2.1.10. – D: Convocation Award for all streams – 2022

Name of the Award	Name of the Awardee
Prof. V.K. Samaranayake Memorial Medal for the Most Outstanding Graduate of the UCSC - 2021	Ms. S.Z. Mohomed (Index No. 17020532)

2.1.11 EMPLOYABILITY

It was observed that most of the students were recruited by reputed firms in the IT industry on lucrative contracts, even during their 3rd-year industrial placement. The employability details of graduates were collected at the time of convocation using a small questionnaire. The following table provides the details of the employability of UCSC graduates for each study stream. The employability rate of **all study programs at UCSC is over 90%.**

Table 2.1.11. – A: Employability of UCSC undergraduates - 2022

Programme	Number Responded	Employed	Self Employed	Waiting for Jobs / Not interested
Computer Science	153	92%	3%	5%
Information Systems	68	97%	3%	0%
Total	221	94%	3%	3%

2.2 POSTGRADUATE STUDIES

2.2.1 MASTER DEGREE PROGRAMME

All master degrees at UCSC are taught masters in SLQF level 9 except one master degree called MSc in Computer Science which is SLQF level 10 with a 15 credits research project. Details of these degrees together with performance in 2022 are presented in the next few sections.

2.2.1.1 MASTERS DEGREES

UCSC offered four master degree programs in 2022. A selection test was held to shortlist suitable candidates and interviews were held to identify more suitable candidates, using a structured marking scheme. The selection interviews of all master programs were held at UCSC premises and 280 eligible candidates were selected from among over 450 shortlisted candidates of the selection test.

- **Master of Computer Science (MCS)**

Those who have a Computing Degree or equivalent qualification are selected for this degree programme since the curriculum was designed considering basic courses in Computing Degree programs. The intake size for the programme for the year 2022/2023 was 100 students. The students were selected based on their first-degree qualification, performance at the selection test and selection interviews.

- **Master of Science in Computer Science (MSc in CS)**

Master of Science in Computer Science degree is designed for those who wish to acquire a Computer Science degree with a research focus. A student who satisfies the specified minimum academic performance in the first two semesters of the Master of Computer Science degree is eligible to register in the second year for the Master of Science in Computer Science degree programme (third and fourth semesters).

- **Master of Information Technology (MIT)**

Those who are interested in changing their career path into Computing or obtaining a postgraduate qualification in Computing are offered this programme. Any graduate with working experience in a computing environment is encouraged to apply for this programme. The intake size of the programme for the year 2022/2023 was 100.

- **Master of Information Security (MIS)**

The Master of Information Security, which has been designed for graduates who wish to acquire a postgraduate qualification in the area of Information Security. This programme offers mid-career opportunities for those who work in the areas of Information Technology, Information System Audit, and Information Security. The intake size of the programme for the year 2022/2023 was 30.

- **Master of Cybersecurity**

Master of Cybersecurity is a distance International Master Program in Cybersecurity launched in 2018 in collaboration with Asi@Connect TEIN Cooperation Centre, European Commission, which covers a broad spectrum of subjects in Network Security and Cybercrime Investigation. The programme administers online (distance learning) and the students are required to be present at the UCSC for hands-on practical sessions and for the semester examinations. Initial batch consists of 16 international participants from National Research and Education Networks (NREN) in Afghanistan, Bangladesh, Bhutan, Cambodia, Laos, Myanmar, Nepal, and other Southeast Asian countries. Due to the pandemic situation, students were not able to visit Sri Lanka for practical

sessions and semester exams. Hence, hands-on sessions and 3rd/ 4th semester examinations were held online. A new batch of the programme was also not started in 2021 and 2022.

- **Master of Business Analytics**

The UCSC has identified Business Analytics as an emerging and futuristic discipline that blends Data Science with the needs of modern-day businesses with its primary focus on understanding business performance and developing new strategies based on data. Accordingly, the Master of Business Analytics has been designed to cater to the emerging trends of Data Science. The intake size of the programme for the year 2022/2023 was 50.

Except for the Master of Science in Computer Science programme, all the masters' programs consist of two years and four academic semesters. Master of Science in Computer Science consists of two and half years and five academic semesters. Lectures except the lectures for the Information Security programme are held only on weekends. According to the workload and the number of credits for the programme, they are equivalent to full time programs although the students enrolled are full-time employees of private or public organizations. Since the programme starts annually, there are two batches of students at any time of the year. One batch of students is following the first-year courses and the other batch is in the second year of study.

Almost all the classes of the programs in the year 2022 were delivered online and physical. The live sessions of the classes were conducted via zoom and video recordings of each session were shared with students through youtube channels of lecturers via the postgraduate virtual learning environment pgvle.ucsc.cmb.ac.lk.

2.2.1.2 ENROLMENT

The master courses of Information Technology, Computer Science, Information Security and Business Analytics are scheduled to be started in January, 2023 for the 2022/2023 intake, but the recruitment of students was started in 2022. The Inauguration session is also scheduled to be held on 21st January, 2023 at UCSC premises. The academic time table for the programs were announced at the beginning of the course. The academic program for 2022/2023 intake is scheduled to be held in physical mode at UCSC premises. Blended learning culture was promoted through the virtual learning environment <http://pgvle.ucsc.cmb.ac.lk> for all courses in the programme for 2020/2021 intake in 2022. The live sessions of the classes were conducted via zoom and video recordings of each session were shared with students through YouTube channels of lecturers via the LMS.

The student handbook for the Master Degree programme for 2022/2023 intake was designed in 2022 and scheduled to publish in 2023 and its online version is available at the UCSC website <http://www.ucsc.cmb.ac.lk/pg>.

Table 2.2.1.2. – A: Postgraduate Enrolment in 2022

Degree Programme	Intake 2022/2023	1st Year Students		2nd Year Students		Total
		New	Repeaters	New	Repeaters	
Master of Computer Science	100	101	5	53	36	195
Master of Science in Computer Science				14		14
Master of Information Technology	100	102	1	71	42	216
Master of Information Security	30	28	1	26	3	58
Master of Business Analytics	50	49		33	1	83
Master of Cybersecurity				14		14
Total	280	280	7	211	82	580

Student registration fees of the master's degree programme are the main source of generated income of the UCSC. Therefore, it is very important to obtain active participation and contribution from the academic staff to conduct the programme on time and deliver a quality service. Several private organizations have started a similar master's programme. There is a threat to UCSC postgraduate programs since those organizations are offering high rates of lecture fees for resource persons. Hence, the programme budget was developed to motivate the academic staff to get their contribution to the programme and UCSC activities by considering market rates for resource persons, support for the research and development, staff training and welfare and institutional development. It is important to note that participation in postgraduate programs is not compulsory for the academic staff according to the present work norms and regulations of the university system.

2.2.1.3 STAFF PARTICIPATION

Table 2.2.1.3. – A: Direct Staff Participation in Masters Programme 2022

Degree Programme	Academic Lecturing			Supervision		Administration	Non- Academic
	UCSC	Visiting (Local)	Visiting (Foreign)	UCSC	Visiting		
MCS	26	6		30	1	2 (Exams/ Postgraduate)	5
MIT		3					
MIS		3	1				
MBAnalytics		5	1				
Total	26	17	02	30	1	2	5

2.2.1.4 GRADUATION OF MASTERS PROGRAMME

Postgraduate Convocation for the year 2021 was not conducted due to the pandemic situation in the country. The graduation ceremony for the year 2021 is likely to be held in 2022. Some repeat students also graduated and some other students requested the postgraduate diploma if they have satisfied the minimum requirements to be qualified. Details are given below.

Table 2.2.1.4. – A: Analysis of Graduation Data of 2022

Course	Intake 2018/ 2019	Graduated						Total
		2018/ 2019	%	2017/ 2018	2016/ 2017	2015/ 2016	Previous	
Master of Computer Science	100	33	33	14	10	1		58
Master of Information Technology	100	36	36	12	7			55
Master of Information Security	30	22	73	1				23
Master of Business Analytics	40	16	40					16
Master of Science in Computer Science		2		1				3
Postgraduate Diploma in Computer Science		1		3	3	3	5	15
Postgraduate Diploma in Information Technology					1	2		3
Postgraduate Diploma in Information Security		2		4		3	2	11
Total	270	112		35	21	9	7	184

The list of postgraduate students who were eligible to receive special awards based on their performances in the programme in 2021. Details are given below.

Name of Award/Medal	Name of Recipient
Kingslake Award for the Best Student for the Master of Computer Science – 2020	D.R.P.P. Hettiarachchi
Award for the Best Student for the Master of Science in Computer Science – 2020	L.G.U.P. Gunawardhana
JICA Award for the Best Student for the Master of Information Technology – 2020	M.K.A.M. Jayarathna
Asiriyal De Zoysa memorial award for the best student in Master of Information Security - 2020	W.K.B.A.K. Fernando
Prof. G.N. Wickramanayake Memorial Award - 2020	P.G. Sudasinghe

2.2.1.5 MASTERS PROGRAMME DEVELOPMENT

By considering the experience of the last few years and the requirement of aligning the master's degree programme with Sri Lanka Qualification Framework (SLQF), the syllabus of all master's degree programmes were revised in 2018. Initiatives have been taken to introduce a new master's programme as a degree of Master of Computing by Research in 2022. The by-laws and regulations of the programme have been approved by the Senate and the Council of the University of Colombo and the necessary steps have been taken to obtain the concurrence of the UGC for the degree programme in 2022.

2.2.1.6 RESEARCH DEGREES – MPhil AND PHD PROGRAMMES

The UCSC has a faculty of highly qualified staff specializing in several sub-domains of computing who have acquired postgraduate qualifications in leading universities including UK, Japan, Sweden, Australia, Canada, and USA, etc. The rich resource pool of academic expertise constitute a multitude of computing research domains such as Software Engineering, Human-Computer Interaction, Machine Learning, Database Management, Natural Language Processing, Computer Graphics and Simulation, Sensor Networks, Distributed Computing, eLearning, Machine Vision, Bioinformatics, etc.

The UCSC launched a state-of-the-art research facility namely UCSC Research Laboratory for the research students in December 2021. The Laboratory is a dedicated interactive research space consisting of over 1000 square feet and aims to strengthen the existing research and development environment of UCSC by providing conducive research and development.

By considering the experience of the last few years, the bylaws and regulations of both the MPhil and PhD degree programs were revised in 2022. The revised By-laws and Regulations of the MPhil/ PhD in Computing degree programs have been approved by the Senate and the Council of the University of Colombo. Registrations for MPhil/ PhD in Computing degrees are open throughout the year. The call for application for MPhil/ PhD in Computing degrees for the year 2022 was published in 2021.

Possible candidates have been prompted to submit an initial application first and after evaluating the application by a panel, the eligible candidates are facilitated to sit a general computing test. The successful candidates at the test are encouraged to identify potential supervisors by matching their research interests with research areas/groups/interests of the UCSC senior academic staff and submit the official application. Details of registration and graduation for research degrees are given in the table below.

Table 2.2.1.6. – A: Research Degree Registration and Completion 2022

Research Degree	Year 1 (Registration 2022)	Year 1 (Registration 2021)	Year 2 (Registration 2020)	Year 3 (Registration 2019)	On Extension (Registered before 2018)	Total	No of Graduated in 2021
PhD							
Full Time		1		2	2	5	
Part Time		1		1	1	3	1
PhD – Total		2		3	3	8	1
MPhil							
Full Time	1	3	1	2	2	8	
Part Time	1	1	1	3	9	14	2
MPhil – Total	2	4	2	5	11	22	2
Total Research Degrees	2	6	2	8	14	30	3

2.3 EXTERNAL DEGREE & EXTENSION COURSES

2.3.1 BACHELOR OF INFORMATION TECHNOLOGY (EXTERNAL) DEGREE PROGRAMME

In the past, the BIT programme alone has attracted more than 40,000 students and has produced 3291 graduates; 4622 higher diploma holders and 9845 diploma holders up to the end of 2022. In 2022 (20th Batch) had 3060 new enrolments, and the process for new intake commenced in early 2022 and kept open until September 2022 to cater to the advanced level students of 2021. The following table shows the details of the student registration for the year 2022.

Table 2.3.1. – A: BIT Student Registration - 2022

Course	New Registration	Re-registration	Total
First Year Registration	3060	1041	4101
Second Year Registration	310	589	899
Third Year Registration	133	554	687
Total	3503	2184	5687

2.3.1.1 STUDENT PERFORMANCE – 2022

The table below highlights the performances of the BIT students over the last three years identifying the number of registered and graduated students along with targets.

Table 2.3.1.1. – A: External Degree Performance over the last Three Years

External Undergraduates	Expected	2022	2021	2020	2019
DIT - New Intake	1500	3060	2453	2099	1098
DIT – Registered	2000	4101	2933	2370	2373
DIT – Diplomas	400	491	575	651	436
[DIT/Registered]%	20%	12%	19.6%	27%	18%
HDIT - Higher Diploma Intake	600	310	553	639	401
HDIT - Higher Diploma Registered	1200	899	1128	1303	1634
HDIT - Higher Diplomas	300	300	313	274	120
[HDIT/Registered]%	25%	33.4%	27.7%	21%/	7%
BIT - Degree Intake	300	133	300	289	174
BIT - Degree Registered	1500	687	1034	1312	862
BIT – Graduates	225	207	350	284	177
[BIT/Registered]%	15%	30.13%	33.8%	22%	20%

2.3.1.2 BIT TEACHING INSTITUTES

BIT, www.bit.lk, is conducted in the public-private-partnership mode since UCSC is not directly involved in the teaching process. However, UCSC provides teaching and learning resources such as detailed syllabi with a list of recommended textbooks for each course, model and past question papers, interactive learning materials and self-evaluating quizzes through the Virtual Learning Environment (VLE) [<https://vle.bit.lk/>]. Private teaching institutes can also make use of the VLE resources to conduct teaching for the BIT degree programme.

In the year 2022, one meeting was held with the private teaching institutes. It was held on 30th June 2022 to brief the academic and examination plan for 2022 and to present the revised semester 5 and 6 new curriculum for the year 2022 and to obtain their feedback.

At the moment, the UCSC does not accredit any of the private teaching institutions, but they can attain the status of a “Recognized BIT Teaching Institute”.

To become a “Recognized BIT Teaching Institute”, a teaching institute needs to go through three (3) stages.

When a teaching institute commences teaching BIT courses, they need to register with the External Degrees Centre (EDC) of the UCSC. At this stage, they are considered as an “Applied Institute”. When a teaching institute informs the UCSC that they conduct courses for the BIT degree programme along with a list of their students who have registered for the BIT degree, UCSC verifies the records and if acceptable, those teaching institutes are given access to the VLE as readers (not as students or teachers) to see the learning content including interactive learning activities. At this stage, these teaching institutes are considered as an “Application Verified Institute”. When BIT students apply for examinations, students are given an option to disclose the teaching institutes in which they have taken the courses. If students of those teaching institutes, completed the BIT examinations successfully, then, UCSC publishes those institution statistics (analysis) on the BIT website, with the consent of the respective teaching institute. Only those teaching institutes that have satisfactory progress are offered the status of “Recognized BIT Institute” and their institute details are included in the BIT handbook.

For the year 2022, 23 private teaching institutes from 07 districts have attained the status of a “Recognized BIT Institute” and their details and institute statistics (analysis) based on students' performance in the final examinations are published on the BIT website. For more details, please refer to <http://www.bit.lk> website.

2.3.1.3 BIT EXTERNAL DEGREE GRADUATION AND DIPLOMA AWARDS

BIT External degree graduation for 2020 was held on 25th September 2022 at the Prof. V.K. Samaranyake Auditorium.

Table 2.3.1.3. – A: Performance of External Degree Programme - 2022

Course	New registration	Repeaters	Total	No of Graduated
Diploma in Information Technology	3060	1041	4101	491
Higher Diploma in IT	310	589	899	300
Bachelor of Information Technology	133	554	687	207
All	3503	2184	5687	998

Table 2.3.1.3. – B: Analysis of Results – BIT Graduation data in 2022

Intake	First	Second Upper	Second Lower	Pass	Total
BIT	1	7	12	187	207

2.3.1.4 CONVOCATION AWARDS

At this convocation and the award ceremony the below mentioned students received special awards based on their performances in the programme.

Name of Award/Medal	Name of Recipient
Prof. V.K. Samaranayake Memorial Medal for the best performance at the Bachelor of Information Technology (External) Degree - 2021	M.N.M.S. Perera
Prof. G.N. Wikramanayake Memorial Medal for the best performance in Software Development Project - 2021	P.L. Hewagamage
Mr. M.J.P.U. Samantha Lake Memorial Medal for the best e-Learner – 2021	H.Sumaiya
Best e-Learner awards for the 1 st Semesters – 2021 3 rd Semester – 2021	J.P.A.P. Jayasekara R.M.M.N. Perera



2.3.1.5 EMPLOYABILITY

At the time of convocation, the employability details of graduates were collected using a small questionnaire. The following table provides the details of the employability of UCSC external graduates for the last four years.

Programme	2021	2020	2019	2018
Bachelor of Information Technology	86%	86%	90%	87%

2.3.2 EXTENSION COURSES

CSC was established to coordinate and manage extension courses, which are based on specialized areas. In 2022, UCSC offered five certificate level courses and attracted 135 students and all programmes were conducted online due to the prevalent pandemic and economic crises in the country. The below table shows the details of the courses which are normally conducted on weekends either on Saturday or Sunday. Certificates were offered based on the active participation in the courses and they could be verified at <http://www.ucsc.lk/verify>.

Table 2.3.2. A: CSC and ADMTC Training Programs - 2022

Course	Division	Duration (weeks)	No. Batches	Participants
Java Application Development using JavaSE	CSC	8	2	48
Data Science with Python	CSC	8	1	14
Training course on Linux System Administration for Medical Supplies Division Ministry of Health	CSC	6	1	6
Advanced Multimedia Web Design and Development Techniques	ADMTC	8	4	38
Graphic Design & Creativity Development	ADMTC	8	2	29
Total			10	135

Certificate awarding ceremony URL

<http://ucsc.cmb.ac.lk/events/completion-short-course-graphics-design-creative-development/>

Table 2.3.2. B: Consultancy Projects – 2022

Reporting Authority	Name of the Project
North Western Provincial Council (NWPC)	1. Consultation for Preparing Request For Proposal (RFP) for the Project Appraisal and Management Software 2. Project on Overall System Study of Transport Authority and the Transport Ministry for private Transportation Management, a Traceable System to detect the running time of the Buses on Routes and Issuing the Running charts and Annual Licenses to the Buses, Three Wheelers and Schools Vans.
Education Employees Co-operative Thrift and Credit Society Limited (EDCS)	Consultancy for Software Implementation, Monitoring and maintenance
Marine Environment Protection Authority (MEPA)	MEPA website development
Public Utilities Commission of Sri Lanka (PUCSL)	Consultancy services on formulation of procedure for detecting adulteration of petroleum fuels
Postgraduate Institute of Medicine (PGIM)	Consultancy service to automate the processes of the Postgraduate Institute of Medicine, University of Colombo
UGC	Consultancy for the Online Education
Ministry of Health	Implementing new medical supply information management system “SWASTHA”

e-Learning Centre conducted several workshops and examinations to several organizations in 2022, and the details are as follows.

Programme	No. Batches Duration	Participants
LMS Installation and Administration Course for Sri Lanka Navy	2 Days	5

2.3.3 ONLINE EXTENSION PROGRAMMES

The E-Learning Centre of UCSC was established to promote online learning for existing programs as well as to start new online programs based on the national requirements. The Foundation of Information Technology (FIT), <http://fit.bit.lk> was established as an online foundation programme for ICT and also as an alternative certification path to be registered for the BIT degree programme if a student does not have adequate A/L marks. The following table provides the details of the FIT programme in 2022.

Table 2.3.3. A: Statistics of Foundation of Information Technology Programme

Programme	Registration	Applied for * e-Testing	Passed e-Testing
FIT	829	879	241

2.3.4 FOREIGN STUDENTS

As a centre of excellence in the region, UCSC believes that it is important to provide opportunities for foreign students to follow programs at the UCSC. One student enrolled under the UGC foreign category (2%) to the Computer Science undergraduate degree programme in 2021 and completed his second year semester 1 studies in 2022. 13 foreign students enrolled in the Master of Cybersecurity programme in 2018 from Afghanistan, Nepal, India, and Bangladesh completed their 4th semester studies in 2022. One student from Bangladesh and one student from Nepal are following the Bachelor of Information Technology External Degree programme.

3. RESEARCH

3. RESEARCH

3.1 RESEARCH, INNOVATION, AND PUBLICATIONS

Research culture is the most important and distinguished area to showcase the achievements of UCSC. In 2022, several activities were carried out to enhance the research programs at the UCSC. Some of these research activities are linked to research degree programs, and others relate to external organizations that have directly funded research projects at UCSC. The importance of collaborative research was promoted among the academic staff to expand the research activities by allowing them to form research groups at UCSC. Since external funding varies due to competition, internal research and development allocation was maintained to sponsor research activities. A significant percentage of the income of the masters and external degree programme was used for this allocation. At the beginning of 2022, a policy document for UCSC research allocation for R & D was updated to allocate funds for staff research activities in 2022. At the same time, the UCSC called applications for UCSC research project allocation in 2022, granting Rs. 500,000.00 for each staff to continue their research projects with necessary physical/human resources.

3.1.1 UNDERGRADUATE LEVEL RESEARCH PROJECTS

All students of the honors degree programme are supposed to carry out a project with a research component in their final year. The duration of the project is one year and it is usually supervised by one or more senior academic staff members of UCSC. In the Computer Science degree programme, the final year project is an individual project, but it is a group project in the other two degree programs (Information System and Software Engineering). These projects are evaluated independently considering three milestones, namely proposal defense, interim evaluation, and final evaluation, all of which contain a presentation and viva by the staff members who were not involved in the supervision of the project. There are three academic coordinators with respect to degree programs, and there are guidelines to manage the evaluation process.

Table 3.1.1 A: Undergraduate Level Research projects conducted in 2022

Degree Programme	Project Coordinator	Number of Students	No. of Projects	Number of Supervisors	Number of Examiners
BSc Honors in Computer Science	Dr. (Mrs.).H.N.D. Thilini Ms. P.K.A. Pramodya	30	30	12	27
BSc Honors in Information Systems	Dr .K.D. Sandaruwan Ms. M.A.S.U. Fernando	25	9	6	15
BSc Honors in Software Engineering	Dr. B.H.R. Pushpananda Ms. M.A.I. Perera	10	3	3	5

3.1.2 MASTERS LEVEL PROJECTS

In all master's degree programs, students are supposed to carry out an individual project or independent study as a primary requirement to complete the degree programme. The individual project expands over two semesters (one calendar year), and a supervisor who is usually a senior academic staff member of the UCSC is appointed to supervise each student. Project coordinators are appointed at the beginning of the academic year to manage the evaluation process. The individual projects can be categorized as research type projects and implementation type projects. In the Master of Computer Science programme, most of the projects are research types. In other programs such as Master of Information Technology, Master of Information Security, and Master of Business Analytics, individual projects are implementation types. However, some projects have a research component. Details of master's projects in 2022 are given below.

Table 3.1.2. A: Evaluation of Masters Level Projects

Degree Programme	Academic Year	Registered Students (First Time + Repeaters)		Completed Successfully	Pass Rate %
		2020/2021	Repeaters		
MCS	2020/2021	74	24		
MSc in CS		13	6		
MIS		27	2		
MIT		77	16		
MBAAnalytics		34			

3.1.3 PROJECTS OF RESEARCH DEGREES

In the MPhil and PhD programme, the research project is the main component and students are supposed to defend them to an independent examination panel that consists of local and foreign examiners depending on the degree programme. In 2022, several applicants registered for research degree projects, and details were presented below.

Table 3.1.3. A: Projects of Research Degrees

Degree Programme	Registered
MPhil/ PhD in Computing	2
Total	2

3.1.4 FUNDED RESEARCH PROJECTS

3.1.4.1 INTERNAL RESEARCH AND DEVELOPMENT PROJECTS

In 2022, UGC did not allocate funds for research and development activities, and the capital grant was not enough to cover the infrastructure development activities of the UCSC. Hence, it was decided to utilize the research allocation of postgraduate programs to fund research projects carried out by the senior academic staff. All staff members were invited to submit proposals based on their planned research activities during 2022, and 6 proposals were selected for financial assistance. The following table shows the details of each project.

Table 3.1.4.1. – A: Allocation, Utilization and Outcome of Funded Research Projects 2022

Research Project/Activity	Principal Investigator/ Research Group	Allocation Rs	Utilization Rs
The Sinhala Dependency Treebank	Dr. B H R Pushpananda	500,000	500,000
Modeling and Prediction of Solid Waste Generation using Machine Learning Approaches in Sri Lanka	Prof. M G N A S Fernando	1,000,000	600,000
Usage of short-read assembly tools in assembly of long-read genome data	Ms. C R Wijesinghe	500,000	300,000
BIT BOT: Proposal for the design, development and deployment of a Chatbot for the Student Inquiries of the BIT Degree Programme at UCSC	Prof. K P Hewagamage	500,000	374,696.24

Permanent academic staff of UCSC, comprising both senior and junior staff, were supported to attend both local and foreign conferences/ symposiums and workshops using the generated income of the postgraduate programme. Details of their participation are given below.

Table 3.1.4.1. B: Participation of Conferences/Symposium and Workshops - 2022

Staff Level and Type of Conference	Published/ Presented	Total
Senior Academics – Conferences held in Sri Lanka	23	23
Senior Academics – Conferences held outside Sri Lanka	13	13
Junior Academics – Conferences held in Sri Lanka	2	2
Junior Academics – Conferences held outside Sri Lanka	1	1
Total	39	39

3.1.4.2 RESEARCH PROJECTS FUNDED BY EXTERNAL PARTIES

UCSC staff directly submitted proposals to local and foreign authorities to obtain funds for research and development activities of the UCSC. The following table shows the details of projects carried out in the year 2022.

Table 3.1.4.2. - A: Utilization and Outcome of Research Projects Funded by External Parties -2022

Project Name	Principal Investigator	Donor Agency or Sponsoring Organization	Type of Grant (Local or Foreign)
Incubator to channel expertise and knowledge from UCSC to Business Entities Sustainably (ICE KUBES) under the Accelerating Higher education Expansion and Development Operations (AHEAD).	Prof. T.N.K. De Zoysa	World Bank	Foreign

To promote Educational and Academic cooperation	Prof. K P Hewagamage	National Central University, Taiwan	Foreign
Swedish Research Link; Autonomous Visual Detection of Bio-hazards Locations with Aerial Drones	Prof. T.N.K. De Zoysa	Swedish Research Council	Foreign
To collaborate in the field of information and communication technology with respect to speech and natural language processing research	Prof. K P Hewagamage	USTAR (Universal Speech Translation Advance Research Consortium)	
The Detection and Tracking of Elephants through Eloc Infrasonic Detectors	Dr. A P Sayakkara	Rufford Foundation, UK	Foreign
For Research & Development Activities	Prof. K P Hewagamage	Sri Lanka Telecom PLC	Local
To establish a research laboratory (5G Innovation Centre) in order to enable the students of the University to carry out research activities.	Prof. K P Hewagamage	Dialog Axiata PLC	Local

3.1.5 ALLOCATION FOR RESEARCH THROUGH POSTGRADUATE PROGRAMME AND UTILIZATION

It is essential to maintain the research and development activities for the sustainability of the master's and research degree programs at UCSC. Government allocation for research and development is very unpredictable, and in some years, for example, in 2018, there was zero allocation for research and development. Hence, a part of the income of the master's degree and external degree programme was allocated during the last 16 years to establish the sustainability of research activities at UCSC. This allocation has been used to support research projects as well as research publications in journals and conferences using a quota system based on the seniority of the staff members. There are two types of allocation known as "Individual Quota" (IQ) and "Open Quota" (OQ). At the beginning of the year, all permanent academic staff were given a fixed allocation to promote publishing their research outcome in international conferences, journals, and book chapters. At the same time, they were supported to attend both local and foreign conferences within the allocated limit of each staff member.

Staff members were also supported to utilize the allocation to cover their research expenses directly related to their research work such as acquiring goods and services, including access to the internet, subscription of professional organizations, and partial support for externally funded projects, etc. Journal publications in web of science indexed journals were supported through the "open quota" allocation. The following table shows the utilization of Research allocation during 2022.

Table 3.1.5. A: Utilization of Research Allocation during 2022

Staff Members	Utilization (Rs.)	Average Utilization (Rs.)
Senior Staff (33)	5,330,085.3	161,517.74
Junior Staff (26)	417,702.21	16,065.47
Total Staff (59)	5,747,787.51	94,420.13

It is important to note that the UCSC Research allocation has been built using the generated income and donations of external parties during the last 17 years. The continuity of research and development irrespective of less government funding and academic and administrative workload is an essential requirement for the sustainability of UCSC.

3.1.6 RESEARCH GROUPS AT UCSC

In order to promote the collaborative research culture, UCSC staff are invited to carry out research and development activities as small teams comprising one or more senior staff members, junior staff members, full or part-time research assistants and students. Some groups also invite external parties to collaborate to carry out activities of research groups by funding fully or partially as well as contributing to their expertise in the respective area. The following table presents the details of active research groups in 2022.

Table 3.1.6. A: Research Groups in 2022

Group Name	Goal of Research Group	Members of Research Group	URL of Research Group
Sustainable Computing Research Group (SCoRe)	The goal of our research is to generate computing solutions through identifying low cost methodologies and strategies that lead to sustainability.	Prof. T.N.K. De Zoysa, Dr. C.I. Keppitiyagama, Dr. P.V.K.G. Gunawardana, Mr. Chathura Suduwella, Mr. Charith Elvitigala	https://ucsc.cmb.ac.lk/score/
The modeling and simulation group	To work on a Ship Handling Simulator (ViduSayura) for the Sri Lankan Navy	Prof. N.D. Kodikara & Dr. K.D. Sandaruwan	http://ucsc.cmb.ac.lk/research-groups/modelling-simulation-group/
Language Technology Research Laboratory (LTRL)	To address the growing need of local language computing in Sri Lanka by doing Localization and Language Processing research and development	Dr. A.R. Weerasinghe, Mr. W.V. Welgama & Dr. B.H.R. Pushpananda	http://ucsc.cmb.ac.lk/research-groups/language-technology-research-laboratory/
Sustainable Agro-ecosystem Research Group	The objective of the research group is to explore emerging technologies in developing a digital Agrifood ecosystem to deliver contextualized, just-in-time information assistance		https://ucsc.cmb.ac.lk/sustainable-agri-ecosystem-research-group/

	and support for the livelihood activities of the stakeholders		
Distributed Computing	The development of novel middleware architectures and parallel algorithms based on shared persistent space and the emergent behavior of large scale distributed systems	Dr. D.N. Ranasinghe , Mr. K. P. M. K. Silva	http://ucsc.cmb.ac.lk/research-groups/distributed-computing-group/
The Bioinformatics and Computational Biology (BCB)	Involves conducting quantitative studies, such as pattern recognition and network analysis, to discover biological knowledge; and developing computational techniques, algorithms, tools and statistical models to analyze various biological data and make predictions.	Dr. A.R. Weerasinghe & Ms. C.R. Wijesinghe	http://ucsc.cmb.ac.lk/research-groups/bioinformatics-and-computational-biology-bcb-research-group/
Unmanned Aerial Vehicles Research (UAVR)	R&D in UAV infrastructure development(payload, communication, ground control stations etc.) and Humanitarian Operations & Agricultural Applications of UAVs	Prof. G.D.S.P. Wimalaratne, Dr. H E M H B Ekanayake, Dr K A K T Karunanayake, Mr K V D J P Kumarasinghe, Dr H K T C Halloluwa, Dr M I E Wickramasinghe, Mr R M U A Rathnayake, Prof. M D J S Goonetillake, Dr L N C de Silva, Dr B H R Pushpananada	https://ucsc.cmb.ac.lk/unmanned-aerial-vehicles-research-lab/
UCSC Spatial Experience and Human Computer Interaction (USE-HCI) Lab	Aims to develop technology solutions to address community-driven problems by bringing together an interdisciplinary set of people to share ideas and collaborate on research related to the interaction between design, people, and technology.	Dr K A K T Karunanayake, Dr H K T C Halloluwa, Dr M I E Wickramasinghe	https://ucsc.cmb.ac.lk/ucsc-spatial-experience-and-human-computer-interaction-use-hci-lab/

3.1.7 RESEARCH PUBLICATIONS AND AWARDS

The following table shows the summary of research publications in 2022 and details of all the publications are given at the end of this section.

Table 3.1.7. – A: Publication Summary - 2022

Type of publication	Held/Published in Sri Lanka	Held/Published outside Sri Lanka	Total
Conferences	21	9	30
Journals	6	34	39
Total	27	40	66

The Academic staff plays the role of facilitating publishing research articles by guiding students and research assistants. They hardly find enough time to be the first author due to teaching and administrative workloads. The following table shows the profile of publications with respect to each staff member in 2021.

3.1.7. - B: Detail Analysis of Publications - 2022

Name of Staff Member	Conferences	Journals	Total
Prof. K.P. Hewagamage	6	5	10
Prof. D D Karunaratne	1		1
Prof. G.K.A. Dias	1		1
Dr. A.R. Weerasinghe	5	2	7
Dr. D. A.S. Athukorala		3	3
Prof. G.D.S.P. Wimalaratne	1	2	3
Prof. (Mrs) M.D.J.S. Goonatilake		2	2
Prof. K.L. Jayaratne	1	1	2
Dr. (Mrs) S.M.K.D. Arunathilake	1		1
Prof. T.N.K. De Zoysa	1	7	8
Dr. C.I. Keppitiyagama	2	4	6
Dr. D.N. Ranasinghe	1	2	3
Dr. H.A. Caldera		2	2
Prof. M.G.N.A.S. Fernando	2		2
Dr. L N C De Silva		1	1
Mr. G P Seneviratne	1		1
Dr. H K T C Halloluwa		1	1
Dr. K.D. Sandaruwan	2	1	3
Dr. (Mrs) T.A. Weerasinghe	2	1	3
Dr. P.V.K.G. Gunawardana		2	2
Dr. (Ms) K.H.E.L.W. Hettiarachchi		1	1
Mr. W.V. Welgama		1	1
Ms. K.P.U Jayasinghe		1	1
Mr. R.N. Rajapaksha		3	3
Dr. (Mrs.) Dinuni K. Fernando		3	3
Dr. K.T. Karunanayake	5	2	7
Mr. R J Amaraweera		2	2
Ms. H P Henegama	1		1

3.1.7.1 AWARDS FOR RESEARCH DURING 2022

UCSC continued to encourage students and staff to submit their research and development work for external evaluation to obtain national and international recognition. In 2022, one award was received for research work from different external organizations. Details are given below.

Table 3.1.7.1. – A: Awards for Research and Development Projects –2022

Name of the awards	Awarding Agency	Publication or Project	Team members
Won 2 NBQSA Awards under Research and Development Projects Category n 2022 - Bronze Award	BCS Sri Lanka	Tamil to Sinhala Translator Project	Dr. B H R Pushpananda, Dr. A R Weerasinghe, Dr. H N D Thilini, Mr. W L C Prasanna, Mr. B C Gamage, Ms. P K A Pramodya
Won 2 NBQSA Awards under Research and Development Projects Category n 2022 - Merit Award		Sinhala Automatic Speech Recognition System Project	Dr. B H R Pushpananda, Dr. A R Weerasinghe, Dr. H N D Thilini, Mr. W L C Prasanna, Mr. B C Gamage, Ms. P K A Pramodya

3.1.7.2 KEYNOTE/INVITED SPEECHES OF UCSC STAFF

3.1.7.2. - A: Detail of Keynote / Invited speeches of UCSC staff – 2022

Name of the staff	Event	Topic
Dr. T A Weerasinghe	Training Program on Developing e-Learning Modules for Faculty of Agriculture, University	Developing e-Learning Modules
Dr. T A Weerasinghe	UNESCO World Higher Education Conference (WHEC2022)	The right time to receive a helping hand: A story of blended learning practices at the University of Colombo
Prof. K P Hewagamage	2nd International Conference on Science and Technology (ICST 2022)	Virtual University: A Model to Apply Digital Transformation in Higher Education for the Professional Development of Graduates
Prof. K P Hewagamage	22nd International Conference on Advances in ICT for Emerging Regions (ICTer 2022)	Data-Driven Paradigm Shift: Evolution of Digital Transformation (DX) with Advances of ICT in Higher Education

3.1.7.2. - B: Detail of UCSC staff as Resource Persons at Workshops/Tutorial/Seminars– 2022

Name of the staff	Event	Topic
Mr. K A R Perera	Altruistic and participation as a resource for capacity building programs carried out by the ICT Agency of Sri Lanka.	Lighting Digital Youth Camp
Dr. T A Weerasinghe	Training Program on Developing e-Learning Modules for Faculty of Agriculture, University of Peradeniya	Developing e-Learning Modules

3.1.7.3 VISITING RESEARCHERS AT UCSC

Table 3.1.7.3. – A: Visiting Researchers at UCSC – 2022

Visiting Researcher	Duration	Activity
Professor Wen Hu School of Computer Science and Engineering University of New South Wales (UNSW).	30th November 2022, 01st December 2022	Keynote speech on “ Towards Privacy-Preserving Artificial Intelligence of Things (AIoT)” at the ICTer 2022 (online)
Dr. Primal Wijesekera Research Scientist ICSI - University of California, Berkeley.	30th November 2022, 01st December 2022	Keynote speech on “ Full stack researcher: the last line of defense against the tyranny created by tech bros” at the ICTer 2022
Dr. Nimesha Ranasinghe Assistant Professor at School of Computing and Information Science University of Maine.	30th November 2022, 01st December 2022	Keynote speech on “ Smell, Taste, and Haptic Interfaces to Inspire a New Age of Experience Media ” at the ICTer 2022

3.1.8 INTERNATIONAL CONFERENCE - ICTER 2022

The International Conference on Advances in ICT for Emerging Regions is the annual Conference hosted by the University Of Colombo School Of Computing. This year the 22nd annual Conference was successfully held for two days which will take place from 30th November to 1st December, 2022.

This was the second attempt of the University Of Colombo School Of Computing to host this significant event as a blended conference supported by both physical and Zoom platforms. This year the conference was technically co-sponsored by IEEE. The inauguration of the event was followed by the first day of the conference on the 30th November 2022. The chief guest of the event was the Vice Chancellor of the University of Colombo, Senior Prof. H.D. Karunaratne . At the Inauguration Dr.Ajantha Athukorala, the Director of the University of Colombo School

of Computing and the Conference Co-Chair Dr. Thilini Nadungodage encompassed the honor of welcoming the Guests of the conference in the morning of 30th November 2022. The Conference Co-Chair Dr. Asanka Sayakkara declared the conference as concluded in the evening of the 1st December, 2022.

This year, the conference consisted of 10 specialized tracks on various topics, namely machine learning, physical computing, distributed computing, human computer interaction, applications of IT, industry R & D, information security, natural language processing, open track, and digital transformation and innovation. Among these tracks, the last one is dedicated to the theme of this year's Annual Research Symposium (ARS) of the University of Colombo, called "Digital Transformation and Innovative Approaches to Mitigate Challenges in the Higher Education Sector". In addition to research paper presentations, this year's event consists of 4 keynote speeches by distinguished speakers from various fields in computing, and pre- and post-conference workshops.

The conference keynotes were delivered by Professor Wen Hu, School of Computer Science and Engineering, University of New South Wales (UNSW) on the title *Towards Privacy-Preserving Artificial Intelligence of Things (AioT)*. Dr. Primal Wijesekera, Research Scientist, ICSI - University of California, Berkeley on the title *Full stack researcher: the last line of defense against the tyranny created by tech bros*. Dr. Nimesha Ranasinghe, Assistant Professor at School of Computing and Information Science, University of Maine on the title *Smell, Taste, and Haptic Interfaces to Inspire a New Age of Experience Media*. Professor K.P. Hewagamage, University of Colombo School of Computing on the title *Data-Driven Paradigm Shift: Evolution of Digital Transformation (DX) with Advances of ICT in Higher Education*.

At the Conference 38 Full Research Papers were presented. These articles were themed on the conference tracks Machine Learning, Physical Computing, Distributed Computing, Human-Computer Interaction, Applications of IT, Industry R & D, Information Security, Natural Language Processing and Open Track.

A panel of five members serving as Senior Lecturers in Universities all over the country was appointed as the Best Paper Selection Committee and they identified 01 best papers from the articles presented at the conference. 07 other papers were designated as excellent mentions. The details and the keynote speeches and other details can be found at the ICTer website: <https://www.icter.org/conference/>

Conference Co-Chairs

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Dr. H. N. D. Thilini

Conference Co-Secretariats

Ms. N.W.Hettiarachchi and Ms. Yashodha Vimukthi

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Technical Program Committee

Chair - Prof. K.P.Hewagamage

Track Chairs

Machine Learning - Dr. Achini Adikari, La Trobe University, Australia & Dr.Darshana Kasthurirathna, Senior Lecturer, SLIIT

Physical Computing - Dr. Hiran Ekanayake & Mr. Jeewaka S Perera

Distributed Computing - Dr. Chamath Keppitiyagama & Dr. T.M.H.A. Usoof

Human Computer Interaction - Prof. Tariq Zaman, University of Technology Sarawak, Malaysia & Dr. Kasun Karunanayake

Application of IT - Dr. Thushani Weerasinghe & Dr. Windhya Rankothge, SLIIT

Industry R&D Track - Dr. Lasanthi De Silva & Chathuranga Manamendra, IFS

Information Security - Dr. Janaka Alawatugoda, Research & Innovation Centers, Rabdan Academy, UAE & Dr. Suvradip Chakraborty, The Institute of Theoretical Computer Science, Switzerland

Natural Language Processing - Dr. Randil Pushpanada

Open Track - Dr. Kasun Gunawardena & Mr. Isuru Darmadasa

Industry Liaison Committee

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Coordinator - Ms. Nimali Wasana Hettiarachchi

Publicity & Public Relations Committee

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Webmaster - Mr. Tharindra Galahena

3.1.9 INTERNATIONAL JOURNAL – ICTER

The International Journal on Advances in ICT for Emerging Regions (ICTer) aims to promote journal-level publications through a peer-review process. This journal

was initiated as a project by the University Of Colombo School Of Computing in order to promote Computing publications in 2008. The journal welcomes researchers in ICT-related fields, particularly from emerging regions, to disseminate knowledge through an international network to an international audience by way of an internationally acclaimed journal. ICTer will expose its writers to prominent research institutions and funding organizations like SIDA, SPIDER, JAICA, KOICA, World Bank, etc. Its ISBN No. is ISSN 2550-2794 and available at the <http://journal.icter.org/>. In 2022, the Google Scholar h-index of the ICTer Journal is 12. The following members were appointed as the staff of ICTer Journal.

Editors

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Prof. Abhaya Induruwa, Canterbury Christ Church University, United Kingdom

Associate Editors

Dr. Kasun Karunanayake, University of Colombo School of Computing, Sri Lanka
Dr. L.N.C. De Silva, University of Colombo School of Computing, Sri Lanka
Dr. Thilina Halloluwa, University of Colombo School of Computing, Sri Lanka
Mr. W.V. Welgama, University of Colombo School of Computing, Sri Lanka

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 Mr. Roshan Abeyweera, University of Colombo School of Computing, Sri Lanka
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Mr. G. M. T. C. Galahena, University of Colombo School of Computing, Sri Lanka

The statistics of ICTer Journal as follows:

1. Number of submissions (2022) = 30
2. Number accepted = 13
3. Number published = 7
4. Number of issues = 3 – available at <http://journal.icter.org/index.php/ICTer/issue/archive>

Major activities of ICTer Journal during 2022

1. Published – 2022 January Issue, Vol 15, No 01
2. Published – 2022 Special Issue, Vol 15, No 02
3. Published – 2022 December Issue, Vol 15, No 03

3.1.10 RESEARCH PUBLICATIONS – 2022

3.1.10.1 JOURNAL PUBLICATIONS – 2022

01	Rangana Jayashanka, E Hettiarachchi, K P Hewagamage, “Technology Enhanced Learning Analytics Dashboard in Higher Education”, Electronic Journal of e-Learning, Volume: 20, Issue: 2, Publication date: 2022/2/14, DOI: https://doi.org/10.34190/ejel.20.2.2189
02	Muditha Tissera, Ruvan Weerasinghe, “Grammatical Structure Oriented Automated Approach for Surface Knowledge Extraction from Open Domain Unstructured Text”, Journal of information and communication convergence engineering, Volume-20, Issue-2, 2022.06 DOI: https://www.dbpia.co.kr/Journal/articleDetail?nodeId=NODE11079856
03	LDCS Subhashini, Yuefeng Li, Jinglan Zhang, Ajantha S Atukorale, “Assessing the effectiveness of a three-way decision-making framework with multiple features in simulating human judgment of opinion classification”, Journal of Information Processing & Management, Volume 59, Issue 2, Publication date 2022/3/1, DOI: https://doi.org/10.1016/j.ipm.2021.102823

04	LDCS Subhashini, Yuefeng Li, Jinglan Zhang, Ajantha S Atukorale, “Integration of semantic patterns and fuzzy concepts to reduce the boundary region in three-way decision-making”, Journal of Information Sciences, Volume 595, Publication date 2022/5/1, DOI: https://doi.org/10.1016/j.ins.2022.02.036
05	LDCS Subhashini, Yuefeng Li, Jinglan Zhang, Ajantha S Atukorale, “Integration of fuzzy logic and a convolutional neural network in three-way decision-making”, Expert Systems with Applications, Publication date - 2022/9/15, Volume - 202, DOI: https://doi.org/10.1016/j.eswa.2022.117103
06	Elgiriya M K de Silva, Prabhath Kumarasinghe, Kottahachchi K D A K Indrajith, Tennekoon V Pushpakumara, Ranapura D Y Vimukthi, Kasun de Zoysa, Kasun Gunawardana, Shermin de Silva, “Feasibility of using convolutional neural networks for individual-identification of wild Asian elephants”, Journal of Mammalian Biology, Publication date 2022/1/21, Publisher: Springer International Publishing, DOI: https://doi.org/10.1007/s42991-021-00206-2
07	Wathsara Daluwatta, Ravindu De Silva, Sanduni Kariyawasam, Mohamed Nabeel, Charith Elvitigala, Kasun De Zoysa, Chamath Keppitiyagama, “CGraph: Graph Based Extensible Predictive Domain Threat Intelligence Platform”, Journal of arXiv preprint arXiv:2202.07883, Publication date 2022/2/16. , DOI: https://doi.org/10.48550/arXiv.2202.07883
08	Mithsen De Silva, Prabhath Kumarasinghe, Kasun De Zoysa, Chamath Keppitiyagama, “Reidentifying Asian Elephants from Ear Images Using a Cascade of Convolutional Neural Networks and Explaining with GradCAM”, Journal of SN Computer Science, Volume 3, Issue 3, Publisher: Springer Singapore, Published: 21 March 2022, DOI: https://doi.org/10.1007/s42979-022-01057-5
09	Shehan Edirimannage, Mohamed Nabeel, Charith Elvitigala, Chamath Keppitiyagama, “PhishChain: A Decentralized and Transparent System to Blacklist Phishing URLs”, Journal of arXiv preprint arXiv:2202.07882, Publication date 2022/2/16 DOI: https://doi.org/10.48550/arXiv.2202.07882
10	Roshan N Rajapakse, Mansoor Zahedi, M Ali Babar, Haifeng Shen, “Challenges and solutions when adopting DevSecOps: A systematic review”, Journal of Information and Software Technology, Publication date: 2022/1/1, Volume 141, Publisher: Elsevier DIO: https://doi.org/10.1016/j.infsof.2021.106700
11	M D J S Goonetillake, Rangana Jayashanka, SV Rathnayaka, “Predicting Security-Vulnerable Developers Based on Their Techno-Behavioral Characteristics”, Journal of International Journal of Information Security and Privacy (IJISP), Volume 16, Issue 1, Publisher: IGI Global, 2022, DOI: 10.4018/IJISP.2022010103
12	K D Zoysa, “Smart Contract Based Electronic Cheque Settlement Protocol”, International Journal of Research Computing, KDU, Sri Lanka. Publication date 2022/1/10, Volume 01 , Issue 01, 2022 [8], DOI: http://ir.kdu.ac.lk/handle/345/5296
13	S I Baddegamage, LNC De Silva, MDJS Goonethilake, “Information Management for Sri Lankan Vegetable Farmers: Effectiveness of ICT Applications”, International Journal of Research Computing, KDU, Sri Lanka. Publication date 2022/1/10, Volume 01 , Issue 01, 2022 [8], DOI: http://ir.kdu.ac.lk/handle/345/5299
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4. HUMAN RESOURCES – ACADEMIC AND NON-ACADEMIC

4.HUMAN RESOURCES – ACADEMIC AND NON-ACADEMIC

Human resource of an organization is the key foundation as well as the most important asset for its development. The present cadre of the UCSC is based on the revised Cadre Manual in 2017.

4.1 UCSC CADRE

There is a big issue to recruit suitable qualified academic staff members for the available cadre positions in the UCSC and it leads to an increase in the vacant academic cadre positions. This is mainly due to the demand in the computing industry and high salaries in the private sector. More than the qualification, the capability of staff members are very critical for the successful management of the academic programs. Though the UCSC advertised several times for both senior and junior academic staff members, it was not possible to recruit the required number of qualified and capable members for the staff. At the same time, several probationary level staff members resigned during the past few years for their higher studies since they were not interested in entering into a bond/ agreement for their study leave periods. Although new staff members are recruited, the issue of non available of qualified staff still exists.

Other than that, due to the restrictions imposed by the government, recruitment for staff for all categories is stopped and therefore vacancies are rapidly increasing from year 2022. Due to this issue, it is very critical to manage the institute smoothly.

Table 4.1. A: Summary of UCSC Staff Distribution

Designation Department/ Division/ Unit/ Centre	Approved Cadre	Existing Cadre	
		Permanent	Contract/Temp/ Assignment
(1) Director's Office	5	4	
(2) Establishment Division	8	4	2
(3) General Administration Division	11	6	2
(4) Academic & Publication (Undergraduate) Division	15	7	3
(5) ISE Department (Academic)	58	20	35
(6) CIS Department (Academic)	43	18	
(7) CMT Department (Academic)	53	13	
(8) Finance Division	14	13	2
(9) Examination Division	11	9	3
(10) Advanced Digital Media and Technology Centre (ADMTC)	6	2	2
(11) Centre for Digital Forensic (CDF)	4	3	1
(12) Library	6	3	
(13) Postgraduate Division	3	4	2
(14) Engineering & Maintenance	10	7	1
(15) Network Operating Centre (NOC)	15	6	2
(16) External Degree Centre (EDC)	10	6	3
(17) Professional Development Centre (PDC)	2	1	
(18) Computer Service Centre (CSC)	2	1	
(19)Quality Assurance Cell (QAC)		1	
(20)E-Learning Centre (ELC)			6
Total	276	128	64

Service Category	Salary Code	Approved Cadre	Actual Cadre	Vacancies
1. Primary Level				
Primary Grade - Unskilled	U- PL 1	16	14	2
Primary Grade - Semi Skilled	U- PL 2	3	2	1
Primary Grade - Skilled	U- PL 3	5	3	2
2. Secondary Level				
Management Assistant - non - Technical	U- MN 1	53	36	9
Staff Assistant/ Supra & Senior Staff Assistant	U- MN 4		8	
Management Assistant - Technical	U- MT 1/U-MN4	10	5	5
3. Tertiary Level				
Temporary Tutor/Demonstrator/ Instructor/Asst.Lecturer/Research Assistant/Lecturer	Fixed	53	41	12
Academic Support - Segment 2	U-AS 1	14	11	3
Junior Executive / Managers	U-EX 1	7	6	1
Academic Support - Segment 1	U-AS 2	5	5	0
4. Senior Level				
Middle Level Executives	U-EX 2	10	4	2
Middle Level Executives	U- EX 2(a)		4	
Lecturer	U AC 3	99	53	46
Associate Professors	U- AC 4			
Professors/ Senior Professors	U- AC 5			

In 2022, some vacancies were filled in the Academic cadre appointing Temporary Instructors, and Temporary Assistant Lectures on contract basis. According to table 4.1.A, there were 192 staff members working in the organization and there are 84 vacancies existing according to the cadre manual.

4.2 OVERALL PROFILE OF THE UCSC STAFF

Highest Computing Qualification of the Academic Staff

No. of Staff	PhD	MPhil	MSc	BSc (Hons)
52	29	5	4	14

Highest Academic Qualifications of the Administrative and Finance Staff

No. of Staff	PhD	MPhil	MSc/MBA	Bachelor	Diploma
13		1	5	6	1

4.3 RECOGNITION OF UCSC STAFF

In 2022, following staff members were nominated as awardees at the Long Service Award ceremony which was organized to recognize the staff who have completed more than 25 years or more service in the university system. The following staff members were nominated as awardees.

Staff Member	Designation	Date of First Appointment	Date of Completion of 25 years or more	Total Service at the University System as at 31.12.2022
Professor D.D Karunaratne	Professor	01.06.1992	31.05.2022	30 years
Dr. D.A.S Atukorale	Senior Lecture Gr. I	10.07.1997	09.07.2022	25 years

4.4 STAFF DEVELOPMENT AND TRAINING

Staff development and training are regarded as an important policy of the human resource development of the organization. Depending on the grade of staff and job requirements, relevant staff was supported using both funds of generating income as well as from government grants. However, due to the post Covid situation in the country and the issues with respect to the sufficient financial allocations, staff was not promoted to attend training programs physically, but encouraged them to attend online.

1. Permanent Academic was supported by the Research and Development allocation to attend the International Conferences, Workshops and Seminars subject to a limit determined based on the seniority of the staff member. Details of all such participants are given in the research section of this report.
2. Depending on the job requirements, the staff was given special training in local organizations during 2022. 80 Staff members were given such opportunity during 2022 and Rs.66,000/- was spent on such training requirements.
3. Online training programs were conducted as a group online training during 2022.
4. Academic staff who were not permanent were supported to attend ICTer2022 conference, in order to improve their research and development awareness.
5. The outbound training programme was postponed to year 2023 to manage the financial allocations.

The details of the training programs staff of UCSC attended are as follows.

Sn	Programme	Category of staff participated	No. of participants	Spent Amount (Rs.)
01	Workshop of "Price Fluctuation Calculations" - conducted by the Institute Of Quantity Survey of Sri Lanka (IQSSL).	Technical staff	1	12,000.00
02	Conference fees for the 42 nd National Conference of Chartered Accountants of Sri Lanka	Executive - Finance	2	40,000.00
03	Staff Development Programme (12 weeks – 30 hours) Conducted by the University of Colombo School of Computing.	All Staff	77	14,000.00*
Total				66,000.00

Note: * Internal Resource Persons conducted their workshop Free of Charge.



4.4.1 MEDICAL SUPPORT SCHEME

The Medical Support Scheme was introduced to the UCSC as a part of the organizational policy of health and safety of the organization. In this Medical Support Scheme, the staff has been given an opportunity to subscribe to one of three schemes that have different supporting limits when medical expenses are incurred. The objective is to support the staff to maintain a good profile of their health conditions by conducting medical camps and partially supporting their medical expenses. The UCSC hopes that this would motivate its employees to increase their productivity in the workplace and provide full cooperation to generate additional income for the organization, especially during working hours. UCSC has also partially supported employees who are interested in obtaining Agrahara insurance to face tragic situations in their life, especially in unexpected critical illnesses.

4.4.2 WELFARE SOCIETY OF UCSC

The welfare society of UCSC has been a volunteer society for all staff members irrespective of the type and grade of employees. The membership of the welfare society is open for all staff members who have completed at least one year of service at the UCSC and they have to pay a membership fee in order to be a member. The welfare society is involved in fostering goodwill, solidarity and unity among all members of the UCSC.

With the outbreak of the Covid-19 epidemic the welfare community's collective activities were suspended due to the cessation of collective action.

The following social services provided by the welfare society were further activated.

1. Celebration of the dawn of the year 2022 on 3rd January 2022.
2. Organized “gift vouchers distribution” for staff motivation.
3. Organized welfare ceremonies to commemorate the retired and transferred staff members.
4. The staff members’ whose close family members passed away were given financial assistance.

5.INSTITUTIONAL DEVELOPMENT

5.INSTITUTIONAL DEVELOPMENT

5.1 QUALITY ASSURANCE AND ACCREDITATION

According to the guidelines given by the University Grant Commission, the University of Colombo established the Center for Quality Assurance (CQA) as the main centre to coordinate the quality assurance of all faculties and institutes in the university. The Internal Quality Assurance Cell (IQAC) of UCSC officially commenced its activities in June 2015. The purpose of the IQAC of UCSC is to create a culture that seeks to continually improve the quality of all academic and other activities in the Institute.

IQAC Committee Members 2022

- i. Director - Dr. D A S Atukorale, Director/UCSC
- ii. Chairperson/Head of the Institute QA Cell - Mrs C R Wijesinghe, Coordinator/IQAC
- iii. Deputy Registrar/PRP & IQAC - Mrs.P Henegama
- iv. Chairperson of the Curriculum & Academic Development Committee - Prof (Mrs) M.D.J.S. Goonetilleke, Head/Department of Information and Systems Engineering (ISE)
- v. **Heads of Departments**
 - Prof. Kasun de Zoysa, Deputy Director, Head/ Department of Communication and Media Technologies (CMT)
 - [Dr. C. I. Keppitiyagama](#), Senior Lecturer Gr I, Head/ Department of Computation and Intelligent Systems (CIS)
 - Prof. M G N A S Fernando, Head/ Department of Information Systems Engineering (ISE)
- vi. **Coordinators of the Undergraduate/Postgraduate/External degree programmes**
 - [Mr. W V Welgama](#), Senior Lecturer Gr. I, Coordinator/Computer Science (CS) Degree Programme/ Coordinator/Master of Information Technology (MIT) Degree Programme
 - Dr. H.E.M.H.B Ekanayake, Senior Lecturer Gr. II, Coordinator/Information Systems (IS) Degree Programme
 - [Dr. M I E Wickramasinghe](#), Senior Lecture Gr. II, Coordinator/Software Engineering (SE) Degree Programme/Coordinator/Master of Business Analytics (MBA) Analytics Programme
 - Dr. Randil Pushpananda, Senior Lecturer Gr. II, Coordinator/CS – Faculty of Science
 - Mr. Keneth Thilakarathne, Lecturer, Coordinator/Master of Cybersecurity (MC) Degree Programme.
 - Dr. Asanka Sayakkara, Senior Lecturer Gr. II , Coordinator/Master of Computer Science (MCS) and Master of Science in Computer Science Degree Programme.
 - Dr. P.V.K.G. Gunawardena, Senior Lecturer Gr. II, Coordinator/Master of Information Security (MIS) Degree Programme
 - Dr. (Ms) K.H.E.L.W. Hettiarachchi, Senior Lecturer Gr. II, Academic Coordinator/BIT External Degree Programme
- vii. **Coordinators of the Centres (E-Learning and Professional Development,)**
 - Dr. (Mrs) T.A. Weerasinghe, Senior Lecturer Gr. II, Coordinator/ e-Learning Centre (eLC)

- [Dr. P V K G Gunawardena](#), Senior Lecturer Gr. II, Coordinator/Professional Development Centre (PDC)
- viii. DRs/SARs of the school, representing degree programmes, and examination
 - ix. Ms. N W Hettiarachchi and Mr. K A R Perera , Representative/ UCSC Alumni
 - x. System Developers - Mr. W .R. N S Abeyweera (Lecturer Probationary) and Ms. J. E. Jayathma Chathurangani (Lecturer Probationary).
 - xi. Staff Management Assistant - Ms N.S. Gajasinghe

The IQAC activities carried-out in 2022 :

1. Collected evidence required for programme review 2020/2022 and stored in IQAC office.
2. Evidence gathering workshops were held for each criterion in Program review..
3. Started collecting evidence for Institutional review 2022.
4. Followed up the activities of curriculum revision of the Bachelor of Information Technology degree programme (External)
5. Followed up the the activities of curriculum revision of the Undergraduate Programme
6. Followed up the preparation of the Tracer Study of UCSC
7. Followed up the preparation of the Examination Manual of UCSC
8. Followed up the Employability Survey 2022.
9. Followed up the preparation of the Honor code of UCSC
10. Followed up the activities related to the proposed framework on course design and development for adopting blended learning
11. Collected the feedback from academic staff for the proposed programme manual of the postgraduate programs and share with the UGC
12. Prepared to collect details on alignment of the UN's sustainable development goals to research student activities and administration of UCSC.
13. Followed up the preparation of a feedback form for master online examinations.
14. Followed up the preparation of the assignment submission Calendar in the undergraduate VLE
15. Followed up the preparation of drafting an NDA for preventing the unauthorized disclosure of confidential information relating to exam work of UCSC.
16. Participated in the design of the strategic plan of CQA, UOC
17. Submitted the finalized forms of Master of Cybersecurity programme, Postgraduate Diploma/ Certificate in Cybersecurity programs for UGC concurrence through the Director/ CQA
18. Submitted the finalized forms of Master of Business Analytics programme, Postgraduate Diploma/ Certificate in Business Analytics programs for UGC concurrence through the Director/ CQA
19. Collected Feedback of MCS/MIT/MIS/MBA Programs - 2nd, and 4th semesters (2022) using Google forms.
20. Collected Feedback of Undergraduate Degree Programs / CS and IS - Semester I using google forms (2022) -
21. Formation of CDEC(Curriculum Development and Evaluation Committee) in each board of Study.

5.2 INFRASTRUCTURE DEVELOPMENT

5.2.1 CAPITAL PROJECTS – 2022

The commenced and completed projects of UCSC in 2022 are given in the table below.

Name of the project	Project cost [Rs.]	Date of commencement	Scheduled Date of Completion	Date of completion	Remarks
Refurbishment of the Research Floor area (West Wing) 4th Floor at UCSC UCSC/PROC/W/2019/02	6,069,649.75	2019.10.04	2020.01.02	2022.03.20	Completed
Proposed Refurbishment of Computer Laboratory (Ground Floor) at University of Colombo School of Computing-Phase I UCSC/ NCB/W/2020/003	6,400,000.00	2021.01.07	2021.05.07	2022.03.15	Completed
Proposed Renovation and Rehabilitation of Rooftop area [fifth floor] in North wing, East wing and West wing at University of Colombo School of Computing UCSC/ W/NCB/ENG/2021/01	12,451,210.81	2021.07.05	2022.01.05	2022.02.28	Completed
Proposed Rehabilitation and Expansion [Special Type Moveable Partitioning and Ceiling Works] of Computer Laboratory [Ground Floor] at University of Colombo School of Computing - Stage II UCSC/W/NCB ENG/2021/02	2,726,317.87	2021.07.05	2021.11.02	2022.03.03	Completed
Proposed Main Key Holding Compartment at University of Colombo School of Computing UCSC/W/NSP-1/ENG/2021/018	226,500.00	2021.04.20	2021.04.27	2022.03.24	Completed
Waterproofing of External Walls of the Main Auditorium at University of Colombo School Computing UCSC/W/NCB/ENG/2021/08	2,869,380.08	10.01.2022	2022.01.10	10.02.2022	Completed
Proposed Shifting of Existing Storeroom from East Wing to South-East Wing at University of Colombo School Computing UCSC/W/NSP-2/ENG/2021/075	278,600.00	24.01.2022	2022.01.26	2022.01.24	Completed
Proposed Renovation and Refurbishment of 1st Floor in East Wing in University of Colombo School of Computing UCSC/W/NCB/ENG/2021/11	59,260,576.05	2022.01.06	2022.06.05	2022.06.05	Completed
Proposed Extension to Canteen and Administration Building- South East wing at University of Colombo School of Computing UCSC /W/NCB/ENG/2022/004	39,836,043.00	04.10.2022	2023.06.29		On going

Proposed Stainless steel name board for Lecture halls, Computer Labs & Non-academic Office area at University of Colombo School of Computing UCSC/P/ORD/2022/0133	378,050.00	2022.01.05	2023.01.30		On going
Proposed Supply and Fabrication of Heavy duty GI storage racks for NOC store room & EDC at University of Colombo School of Computing UCSC/W/NCB/ENG/2022/074	2,924,518.00	2022.11.26	2022.12.26		On going

5.3 DEVELOPMENT OF THE INSTITUTIONAL RECOGNITION

Since the initiation, the UCSC has been providing consultancy services for both public and private organizations. Through these consultancy programs, it is expected to provide a service to the other government and non-government institutes as well as to make the public aware of our capacities in addition to being the higher education institute for computing studies in Sri Lanka. The following staff members of UCSC was contributed during 2022 to achieve the above objective.

5.3.1 OUTSTANDING AWARDS FOR STAFF MEMBERS

Organizer	Award Name	Awardee
International Federation for Information Processing	Interaction Design for International Development Award for the paper "LIFT: an eLearning Introduction to Web Search for Young Adults with Intellectual Disability in Sri Lanka"	Theja Kuruppu Arachchi, Laurianne Sitbon, Jinglan Zhang, Ruwan Gamage, and Priyantha Hewagamage (Prof.)
BCS Sri Lanka Chapter	Silver Award in National ICT Awards (NBQSA) 2022	Akila Wikramasekara A P Sayakkara (Dr.)
University of Colombo	Senate Award	K P Hewagamage (Prof.)
University of Colombo	Senate Award	A P Sayakkara (Dr.)
University of Colombo	Senate Award	C I Keppitiyagama (Dr.)
University of Colombo	Senate Award	G D S P Wimalaratne (Prof.)

5.3.2 CONTRIBUTIONS FROM UCSC STAFF MEMBERS

Name	Organization
Athukorala D.A.S. (Dr.)	- Visiting Lecturer - Faculty of Management & Finance, University of Colombo - Member of Technical Evaluation Committee – - Supplying, installation, training and maintaining enterprise resource planning System (ERP system); human resource management software system for the University of Colombo - Procurement of a Service Provider to Provide Co-location Services of the ICT Agency of Sri Lanka - Procurement of Supply, installation, configurations and commissioning of Bare-Metal servers and Application Stack for 2nd Zone of Lanka Government Cloud 2 of the ICT Agency of Sri Lanka

	• Design, Supply, Installation, Commissioning & Maintenance of Online Application System for One Stop Unit For development approval process within UDA • Procurement of Design, Development, Implementation and Support of Digital Forms for Government Organizations by the ICT Agency of Sri Lanka • Procurement for Upgrading of Sri Lanka Customs' Access Network Infrastructure and Security • Consultant • Consultative Committee Meeting - Conversion Program or Non-IT Graduates, by the ICT Agency of Sri Lanka • Member of the Standing Committee on Accreditation and Quality Assurance (SCAQA) of the Ministry of Education • Member of the Technical Advisory Committee appointed by SCAQA for Bachelor of Science Degree Proposals of NSBM • Member of Selection Committee for Post of Systems Engineer Grade II-Network Operations Centre - University of Colombo • Member of Selection Committee for Post of Instructor in Computer Technology Grade II - Computer Unit - Faculty of Arts & Dean's Office - Faculty of Education • Member of the Judge panel of Interlick 2.0 organized by the IEEE Computer Society Student Branch Chapter of UCSC • Proctor of the IEEE IEEEExtreme Programming Competition 15.0 • Member of the Steering Committee for the Establishment of a Trusted Digital Repository at National Archives, appointment by the Secretary, Ministry of Buddhasasana, Religious and Cultural Affairs • Vice President of the Computer Society of Sri Lanka (CSSL) the apex body representing Information and Communications Technology (ICT) professionals in Sri Lanka • Represented Sri Lanka at the International Federation for Information Processing (IFIP) General Assembly representing CSSL • Represented Standing Committee on Computing and Standing Committee on Technology at the UGC representing the CSSL
De Silva L.N.C. (Dr.) (Ms.)	• Consultant, Commercialization of a Real-time Agricultural Mobile-based Information System - Govi Nena, Funded by AHEAD • Consultant, Development Lotteries Board Sri Lanka, Technical Consultation on Reviewing the Rules and Regulations Manual drafted by DLB with respect to IT processes and Information Security • Committee Member, EDB Advisory Committee ICT/BPM sector • Steering Committee Member, The Center for Gender Equity (CGE), University of Colombo • UCSC Representative, Career Guidance Coordinators/Advisory Board, UOC • Technical Evaluation Committee Member, Website Development of the National Education Commission • Curriculum Reviewer, IoT in Urban Gardening, An Undergraduate Course Module, The Department of Plant Science, UOC • Visiting Lecturer, Department of Plant Science, Faculty of Science, University of Colombo. • Paper Reviewer, International Conference on Advanced Research in Computing 2022 • Paper Reviewer, The CSSL Research Colloquium (CSSLRC) 2022 • Paper Reviewer, International Conference of Advances in ICT for Emerging Regions (ICTer) 2022. • Paper Reviewer, International Journal of Advances in ICT for Emerging Regions (ICTerJournal) 2022.

	• Paper Reviewer, International Conference on Advancements in Computing 2022. • Paper Reviewer, KDU International Research Conference 2022.
Halloluwa T. (Dr.)	• Degree Program Reviewer panel Chairperson- Ministry of Education • ICT curriculum development consultation- National Institute of Education • Software Development consultant – Sri Lanka police • National Steering Committee member for e Ministry of Health in implementing new medical supply information management system “SWASTHA” with the approval of the Cabinet of Ministers to ensure and monitor the proper supply and distribution of medical supplies • Member of Education Reforms Committee organized by the NIE • Assisted the Sri Lanka Police department by conducting workshops on root cause analysis. The workshops were conducted for the senior officials of the Police Department • Organizer of the school outreach program with the Ministry of Education. The aim of this program was to support the ICT teachers in the country to be better prepared to conduct the more complex technical sections of the AL ICT curriculum
Hewagamage K.P. (Prof.)	• Director – UCSC from Jan – May , 2022 • Advisor - Quality Assurance Cell, UCSC from June – Dec. 2022 • Keynote Speaker, ICTer2022 Conference • Chief Editor and Chair, Steering Committee, International Journal of ICT for Emerging Regions • Member, Council, University of Colombo • Member, Senate, University of Colombo • Member, Research and Higher Degrees, University of Colombo • Chair, Annual Research Symposium, 2022 • Consultant to Rajarata University Sri Lanka, Faculty of Agriculture, - To develop Virtual Learning Environment, and MIS for Student Information • Evaluator for the Post of Professor, - Jaffna University, Ruhuna University, Moratuwa University • Evaluator, Postgraduate Degree Programs, University Kelaniya • Consultant to develop the proposal to establish the Virtual University of Sri Lanka • Member of Standing Committee, Online Education and IT Infrastructure Development • Consultant to Develop the pre-University Programme to Learn English and IT • Member of Standing Committee, Computing Education (Jan – June 2022) • Chair, Subject Benchmark Committee, Computing Degrees, QAC • Consultant to Quality Assurance Council, UGC • Chair, Committee to Recommend Computing Devices for Student Loan Scheme
Hettiarachchi K.H.E.L.W. (Dr.) (Ms)	• Technical Committee Member in 2022 14th International Conference on Education Technology and Computers (ICETC 2022), held at the University of Barcelona, Spain and online from October 28-30, 2022. • Paper Reviewer of Open Learning: The Journal of Open and Distance Learning-2022. (In Web of Science Core Collection - Emerging Sources Citation Index.)

Keppitiyagama C.I. (Dr)	• External Reviewer - Bachelor of Science in Information Technology Degree Programme, Faculty of Computing, General Sir John Kotelawala Defence University. • Consultant - Development Lotteries Board • Evaluate - Research Grant Applications - KDU • Judge Panel Member - NBQSA • Resource Person - A/L Workshop for Teachers, Organized by the department of education • Mphil examiner - Postgraduate Unit of the Faculty of Applied Sciences, Rajarata University • MSc Examiner - University of Moratuwa • Speaker – Pre Conference workshop session, KDU-IRC • Exam paper moderator - University of Ruhuna
Matara Arachchi S.S.P. (Dr.)	• Judging panel member for “Desafio 22”, the annual Inventions Competition of Devi Balika Vidyalaya, Colombo 8, conducted by the Sri Lanka Inventors Commission (SLIC) • Judging panel members to evaluate IICE 20/21 projects on 26th and 27th August 2022 conducted by the IIVCC (Innovation, Invention and Venture Creation Council - USJ) council of University of Sri Jayewardenepura. • Member of the Technical Evaluation Committee for the Development of Department of Labor Website • Consultation for Designing and Development of web-based voting system and conducted the voting process for the National Academy of Science of Sri Lanka. • Contributed as a delegate Member of the Sri Lanka Digital Health Convergence Workshop - 22nd December 2022, conducted by the Sri Lanka College of Health Informatics and the Ministry of Health. • Member of the National Level Technical Working Group on Data Protection and Health Information Security (TWG-DAPHIS) Organized by the Ministry of Health. • Consultation for Development of a website for the University Test of the English Language (UTEL) organized by the National Center for UTEL Testing Services, University Grants Commission. • Main organizer and member of the judging panel of the Young Computer Scientist 2022, Conducted by the Ministry of Education and the Federation of Information Technology Industry Sri Lanka (FITIS). • Judging panel member of the Creative Teacher Competition- 2022, conducted by the Ministry of Education. • Technical Session I- Judge Technology Track, International Research Conference (IRC), General Sir John Kotelawala Defense University (KDU). • Member of the Curriculum Validation Panel of the Bachelor of Technology in Industrial Management (Hons) Degree Programme, University of Vocational Technology. • Paper setter and the Examiner for Practical test for recruitment for the post of Graphics and Page Designer, University of Colombo • Visiting Lecturer (Enterprise Resource Planning Systems and Enterprise Architecture) Academic Year 2022, Faculty of Computing, General Sir John Kotelawala Defense University (KDU). • Final paper moderator (e-Commerce and Multimedia Technology) and 2nd examiner for ICT4D Degree Programme, Faculty of Art, University of Colombo

	● Chair of the IT and Publicity Committee of Annual Research Symposium 2022, University of Colombo. ● Visiting Lecturer (eBusiness and Web Technologies) Academic Year 2022, Bachelor of Technology in Industrial Management (Hons) Degree Programme, University of Vocational Technology. ● Visiting Lecturer (Computer Science) Academic Year 2022, Naval Institute of Technology, Sri Lanka Navy.
Seneviratne G.P.	● External Procurement Consultant - Peoples Bank ● Member of the Academic Committee - NILIS ● Permanent Student Counselor/UCSC (till May) ● Mentor IEEE Students Branch of UCSC
Thilakeratne K.M.	● Visiting Lecturer - University of Kelaniya ● Consultant - Development Lotteries Board
Weerasinghe A.R. (Dr.)	● Visiting Lecturer - ○ Masters in Bioinformatics, IBMBB, University of Colombo ○ PhD Programme (Research Methods course) at the Faculty of Graduate Studies, University of Colombo ○ Masters in Big Data Analytics, Informatics Institute of Technology ● Invited speaker and panel member at the NSF symposium titled Current Status and Future Trends of application of Technologies related to the Fourth Industrial Revolution (4IR) in Sri Lanka – A Discourse by Practitioners in the Field, organized by the National Science Foundation in Colombo, Sri Lanka, 14th November 2022. ● Invited speaker and panel member at the symposium titled Artificial Intelligence: the good the bad and the ugly, organized by the Ethics Committee of the Sri Lanka Association for the Advancement of Science (SLAAS), Colombo, Sri Lanka, 29th November 2022. ● Consultant for the revision of the Bachelor of Computer Science Curriculum at the Eastern University of Sri Lanka. ● Principal Investigator of an NRC Public Private Partnership Grant by the National Research Council of Sri Lanka for the Development of a Next-Generation Sequencing (NGS) based test for the diagnosis of Maturity Onset Diabetes of the Young (MODY) with the private sector partner GeneLabs (Pvt) Ltd. ● Member of the National Science Foundation's Science and Technology Policy Committee and Chair of the Task Force on the 4th Industrial Revolution. ● Interview Panel Member, Fulbright Commission of Sri Lanka for shortlisting candidates for Masters programs in the USA. ● Member of the Association of the LK Domain Registry. ● Advisory Group member of the FACTUM initiative on Developing and Adopting a Code of Practice for Global Social Media and other Internet Companies in Sri Lanka. ● Director of Theekshana Research & Development company.
Weerasinghe T.A. (Dr.) (Ms)	● Deputy Director-Training, Cyber Campus, University of Colombo ● Focal Point of Contact- Smart Classroom Project, Main Library, University of Colombo ● Member of Core Group and Institute-Level Coordinator, Blended Learning Committee, University of Colombo ● Member- IT Committee, University of Colombo ● Coordinator-University of Colombo, International Institute of Online Education (https://www.iioe.org)

Wickramasinghe M.I.E. (Dr.)	• TEC member – Postal Department of Sri Lanka, Department of Registration of Persons (DRP), Sri Lanka Port Authority, UCSC • Consultant – eProcurement Project, Computerizing of Education Co-operative Society. • Visiting lecturer – University of Ruhuna, Rajarata University • Evaluator Non-State University Degree Programs on Business Analytics and Data Science. • Permanent Procurement Committee - Minor Purchases UCSC • Judge/ Evaluator - National Schools Software Competition (NSSC), National Best Quality Software Awards (NBQSA)
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5.4 UCSC CONTRIBUTION TO SUSTAINABLE DEVELOPMENT GOALS (SDG) – 2022

5.4.1 SUSTAINABLE DEVELOPMENT GOALS (SDG)

The United Nations Development Programme (UNDP) has identified 17 Sustainable Development Goals (SDG) for improving the living standard of human beings and ensuring a green environment with the economic development of the World. In line with the 17 SDGs of UNDP, the Government of Sri Lanka has implemented SDGs for the upliftment of Sri Lanka economy, society, and environment. UCSC management discussed the contribution to SDGs having focused on the Strategic Plan 2022-2026 and the action plan 2022.

5.4.2 UCSC CONTRIBUTION TO SUSTAINABLE DEVELOPMENT GOALS (SDG) FOR THE YEAR 2022

GOAL 1: No Poverty

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 Progress	Target by 2030
01	End poverty in all its forms everywhere	UCSC admits undergraduate students including low-income families and contributes to the free education system with a view to reducing the poverty in this country. Both the government funds and generated income of UCSC are used to improve undergraduate education. Students in low-income families follow the programme and UCSC carries out many activities to address their wellbeing including hostels and using its distress funds in order to facilitate their higher education.	Tuition fees are not charged from undergraduate students under free education policy. Mahapola and Bursary scholarships are provided using government funds. Special scholarships are provided using generated income Special financial supports are provided through Alumina association	Increase student intake over 500

GOAL 2: Zero Hunger

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 progress	Target by 2030
02	End hunger, achieve food security and improved nutrition and promote sustainable agriculture	- Subsidized canteen for students to provide good quality food at a low price. UCSC established the canteen committee to ensure and monitor the quality of food. - Conduct meetings to solve issues raised by students against the canteen owner and improved awareness of both the staff and students. - Promote a paperless environment to reduce solid waste and manage the least plastic waste daily.	Special financial assistance were provided for students who lost their parents Scholarships for living were provided even during online teaching and learning Carried out landscaping activities to increase the green environment of the UCSC Reduce the consumption of papers with activities such as e-signature and electronic communication under the work from home policy Practicing the policy to reduce the Energy consumption Special loan scheme was introduced and given for the staff to purchase laptop computers Staff members who faced critical financial problems were supported through welfare society Due to economy crisis in the country, staff were promoted to engage in home gardening activities by the government	Improve existing canteen facilities and provide high-quality food for students and staff. Provide financial assistance for low-income students and in distress situations. Provide loan facilities for the staff who are in distress. Improve activities with respect to staff welfare. Become a paperless organization (at least 90%) Improve the greenery environment in the organization. Carry out ICT research related to e-agriculture.

GOAL 3: Good Health and Well-being

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 progress	Target by 2030
03	Ensure healthy lives and promote well-being for all at all ages	- UCSC has implemented a Medical scheme for its staff and arranged awareness programmes. - The medical center provides medical assistance for UCSC students free of charge and UCSC provides free	Using the medical support scheme, the staff and their immediate family members were supported during 2022 The WFH was practiced among all staff to minimize the spread of Covid-19 virus	Improve the level of satisfaction of staff and students. Enhance current

		transport facilities for students up to National Hospital Colombo if required depending on the circumstances. • Distress loan scheme facilitates staff to seek funds when they are in distress. • Improve the environment safe while maintaining a clean environment to ensure a Dengue free and mosquito-free environment. • Counseling service to staff and students	Many guidelines were issued to maintain social distancing and health practices such as washing hands and having face mask during working hours Suspected staff members were granted paid leave to stay at home due to covid-19 infection Government and university guidelines were followed to minimize the spread of Covid-19 All examinations were carried out based on the under strict health regulations to protect staff and students Professional counseling was provided to both staff and students	health care facilities for all students & staff by 2030. Improve the counseling service and reduce the number of student and staff obtaining the counseling facilities
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GOAL 4: Quality Education

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 progress	Target by 2030
04	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	UCSC provides free, equitable and quality education. Offer the following. 1. Certificate, Diploma and Higher Diploma courses 2. BIT degree for external students 3. FIT programme as the foundation programme for those who are willing to improve their ICT knowledge and skills 4. BSc. Degree programs for areas in computing (5 degrees) 5. Postgraduate degree programs in 6 areas of specialization UCSC has full time professors and senior academic staff to deliver high-quality teaching and research to students and it has over 90%	During covid-19 pandemic situation and economy crises in the country, UCSC didn't suspend any academic activities and teaching / learning / assessment activities were carried out through online learning environment All online lectures were recorded allowing students to access them in both synchronized and asynchronized modes Free Internet access was provided when accessing UCSC online learning environment and participating online meeting through Zoom service Many quality assurance activities were carried out during 2022 to improve the process of education deliver while collecting students feedback at regular time points during the semester Curriculum development of BIT and FIT programs were carried out to	Meet quality assurance indicators introduced by UGC from time to time to ensure high-quality education and international standards

		employability rate among students. Most of the senior academic staff possess PhDs	improve the quality of open educational initiatives of UCSC Several student surveys were carried out to find out students issues and facilitate them to engage in the education effectively	
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GOAL 5: Gender Equality

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 progress	Target by 2030
05	Achieve gender equality and empower all women and girls	No gender discrimination in admission and given equal opportunity for higher learning and enjoying any facility of UCSC at all Actions have been taken to empower all women same as male population of UCSC	Gendered was never considered in the student admission of any degree or other academic programs Gender was never considered when staff members were recruited or promoted during 2022 Male and Female ratio was considered when developing facilities such as sanitary facilities Female students were provided special scholarships using external support in the BIT programme	Maintain gender equality policy as existed by 2030

GOAL 6: Clean Water and Sanitation

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 progress	Target by 2030
06	Ensure availability and sustainable management of water and sanitation for students and staff	All students and staff were given drinking water facility and sanitary facilities by spending recurrent and generated an income of UCSC	Drinking water was provided for all staff The condition of the water was checked at a regular time point. Regular cleaning activities were carried out and they were recorded daily	Ensure drinking water for all students and staff and sanitation facility for all including differently-abled students

GOAL 7: Affordable and Clean Energy

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 progress	Target by 2030
07	Ensure access to affordable, reliable, sustainable and modern energy for all	Introduce energy-saving activities and make use of efficient energy. Consider energy saving when acquiring new computers and lab equipment for students and staff	According to the energy saving policy, low consumption equipment such as LED bulbs were used to replace when it is necessary. Monitor the energy usage to take actions to minimize the actions required Practiced the formal policy on Energy savings Many repair activities with respect to electricity supply were carried out to minimize the electricity wastage	Save energy by 15% introducing new technology

GOAL 8: Decent Work and Economic Growth

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 Progress	Target by 2030
08	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all	Produce quality graduates to contribute to national development of the country. Employability of UCSC graduates to maintain over 90%. Improve the working standard of students and staff.	Evaluated the employability issues of present graduates due to covid-19 pandemic situation Carried out employability survey of different groups of graduates Many actions were taken to minimize the effect on the income due to covid-19 WFH was practiced together with new reporting mechanism Staff promotional activities were carried out through the welfare society of UCSC	Maintain 100% employability and produce competitive, innovative, creative and high-quality graduates through Research & Development (R&D) Stable economic growth in the UCSC irrespective of government funds

GOAL 9: Industry, Innovation and Infrastructure

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 progress	Target by 2030
09	Build resilient infrastructure, promote inclusive and sustainable industrialization	Upgrade the infrastructure with modern technologies to provide high-quality education for IT graduates based on the industry demand Develop the curriculum of current programs and start	IT infrastructure was enhanced to promote WFH activities Online Meetings through Zoom service became a common methodology to promote	Innovation will be considered when assessing student performance-based evaluation.

	tion and foster innovation	new programs based on the market requirement Promote innovation as a curriculum as well as extracurricular activity among students and staff	interaction among staff and students Activities related to the capital development were carried out during to upgrade the infrastructure Many projects were supported for innovative development considering current economy crises in the country ICTer Conference and Journal was the mechanism for knowledge dissemination to promote industrialization and innovation	Establish environment-friendly sustainable physical and IT infrastructure in the organization. Contribute to the national innovation in Sri Lanka
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GOAL 10: Reduced Inequality

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 progress	Target by 2030
10	Reduce inequality within and among countries	Conduct English classes for students who are weak in English Conduct tutorial classes among weak students in studies	Welfare society carried out activities considering all staff on the same level to promote their participating and reduce the inequality depending on the designation in the organization Facilitated students to acquire additional awareness to improve their soft skills Online Seminars were conducted to improve career development Students and staff were facilitated to learn English language Staff were promoted to continue their education	Increase the student performance where the majority of students get GPA 2.5 or more

GOAL 11: Sustainable Cities and Communities

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 progress	Target by 2030
11	Make cities and human settlements inclusive, safe, resilient and sustainable	Improve the safety of the working environment in all aspects.	Fire protection system was developed within UCSC to improve the safety and sustainability of the organization	Improve the e-Learning and blended learning infrastructure to promote

		Facilitates students from rural areas by providing hostels and scholarships. Students and staff conduct workshops for rural schools.	Promoted both BIT and FIT programs among low income students as an affordable degree programme for all	distance education through BIT programme
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GOAL 12: Responsible Consumption and Production

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 progress	Target by 2030
12	Ensure sustainable consumption and production patterns	UCSC follows waste management policies and sends waste for recycling. UCSC considers e-waste disposal process to minimize the environment damages	Due to covid-19 pandemic situation and economy crises in the country, a significant amount of consumption of electricity and water was reduced UCSC continued to monitor consumption of materials Repaired many equipment's such as cupboards to reuse them again E-waste management policies were followed	Manage the consumption of energy and other resources. Obtain the maximum usage of goods/assets before its disposal. Develop policies to manage consumption and practice them. Maintain a good waste management and recycling system.

GOAL 13: Climate Action

Goal No.	Description of goal	UCSC activity in line with SDGs	2022 progress	Target by 2030
13	Take urgent action to combat climate change and its impacts	Control usage of goods which have a direct effect on climate change such as different electronic devices, papers, and plastics	UCSC minimize the consumption of energy due to covid-19 situation and WFH and it contributed the climate development Policy of saving energy was formally approved and it was practiced when replacing all electronic equipment's Minimize the consumption of papers	Achieve the status of green campus

GOAL 14: Life Below Water

Goal No.	Description of goal	UCSC activity in line with SDGs	2022 progress	Target by 2030
14	Conserve and sustainably use the oceans, seas and marine resources for sustainable development	Consumption of Water management Waste management to minimize the water quality	Minimize the consumption of water during 2022 Improve the waste management in the organization	Contribute by reducing water consumption and protecting the quality of water

GOAL 15: Life on Land

Goal No.	Description of goal	UCSC activity in line with SDGs	2022 progress	Target by 2030
15	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss	This goal is not related with UCSC Strategic Plan and Action Plan	Not applicable	Not applicable

GOAL 16: Peace and Justice Strong Institutions

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 progress	Target by 2030
16	Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels	Zero tolerance for ragging, sex or gender based violence and staff and students could make necessary complaints if they are victims of such events	All students were educated about violence and ragging within the university premises as well as online environment Activities were carried out to develop the friendship and harmony among staff and students groups Staff and student complaints were addressed to minimize the issues and provide better working and learning environment for all	Establish the violence free and friendly environment through proper awareness and monitoring system all stakeholders

GOAL 17: Partnerships to Achieve the Goal

Goal No.	Description of goal	UCSC activities in line with SDGs	2022 progress	Target by 2030
17	Strengthen the means of implementation and revitalize the global partnership for sustainable development	UCSC has established partnerships with IT industry/organizations locally and globally for the betterment of its students and staff UCSC adopts policies to promote sustainable development	PDC continued its activities to promote better relationship between academia and industry UCSC took part actively many national initiatives and projects UCSC staff were promoted to actively contribute national development to improve partnership UCSC actively contributed main campus, UGC and other universities to improve the partnerships	Achieve the status of development with sustainability as the main indicator of achievement

6. Finance

6. FINANCE

According to the financial regulations, it is required to submit the 2022 annual financial statements within the first two months of 2023 after obtaining Board of Management approval. Following extracts in this section are prepared based on those financial statements submitted to the Auditor General and any subsequent changes recognized. Financial Statements were submitted to the Auditor General with the approval of the Board of Management before the deadline. In this section, we describe and analyze the financial status of the institute during 2022.

6.1 RECURRENT EXPENDITURE

Since the treasury funds are not adequate to meet the requirements of day-to-day operations of the organizations, the generated income has become a vital source of income to carry out the operations of the institute. The main business of the institute is to manage the internal undergraduate programs, for which 5 days out of 7 days of a week are allocated. Hence, the bulk of recurrent expenditure is directly related to activities linked to undergraduate programs. In 2021, the recurrent expenditure of Rs. 427,676/= has been spent per student basis.

In general, the recurrent expenditure is 571.85 million, out of which 167.05 million was the generated income of UCSC. In other words, 29.21% of the total recurrent expenditure is from UCSC generated income. The major classification of recurrent expenditure is given below in the table (Recurrent Expenditure).

Table 6.1. A: Total Recurrent Expenditure **Rs. 000'**

Subject	2022	2021	2020
Personal Emoluments	367,892	329,870	322,106
Travelling	149	179	175
Supplies	15,402	8,200	8,384
Maintenance	7,095	4,202	4,209
Contractual Services	32,724	27,054	29,690
Other	148,256	181,052	155,044
Total	571,518	550,557	519,608
Government Allocation	404,800	392,180	357,880

Since government allocation for recurrent expenditure was sufficient only to cover the personal emoluments and part of other recurrent expenditure, the management was very careful and controlled all the other recurrent expenses as you see when you compare figures of 2022 with 2021 in the table of Recurrent Expenditure.

6.2 CAPITAL EXPENDITURE

Due to Government capital grants, UCSC generated funds were used to carry out planned activities. During the year capital expenditure is Rs.179.00 million, out of which Rs. 124.73 million was the generated income of UCSC. In general, the capital expenditure per student is Rs. 172,613/=. Details of capital expenditure are given in the table below (Capital Expenditure).

Table 6.2. A: Capital Expenditure *Rs. 000'*

Subject	2022	2021	2020	2019
Acquisition of Furniture, Office Equipment Other Fixed Assets	80,614	23,059	14,445	68,939
Rehabilitation and Improvement of Building & Structures	98,386	50,112	27,140	33,091
Total	179,000	73,171	41,585	102,030
Government Allocation	54,262	60,000	23,000	69,000

6.3 CONSULTANCY AND RESEARCH PROJECTS (EXTERNALLY FUNDED)

All projects are classified as consultancy projects or research projects of the UCSC. Consultancy projects were carried out to provide a service to an outside party. 30% of income generated from consultancy projects are contributed to the UCSC development activities and the balance funds were used to cover the project expenses. If the project amount is large and the principal investigator is requested to contribute 2-3% of the project funds to staff welfare allocation to cover the indirect contribution of staff members.

Research projects funded by external parties are carried out based on the agreed objectives. The outcome is usually shared by both institutes and they are published in joint papers. 10% of research projects are charged as the administration charges and the balance is utilized according to the budget prepared by the Principal Investigator.

All software development projects are considered as consultancy type projects. Some of these projects are coordinated directly by the individual senior staff members as the principal consultant for those projects. The principal consultant, who is a permanent staff member of UCSC, could obtain the service of anyone on a fulltime or part time basis but the cost of such work should be financed only within the budget of consultancy. The principal consultant should directly report the progress to the Director who is the overall coordinator of those consultant projects since the director signs the relevant service agreement with those external parties subject to concurrence of the Board of Management, UCSC. The software development unit under the computer service Centre is the dedicated location for such activities.

Table 6.3. A: Financial Progress of Projects *Rs. 000'*

Type of Project	Budgeted	Invoiced	Received	Expenditures
Research Projects (locally funded)	10,720	-	655	240
Research Projects (foreign funded)		-	3,833	2,708
Consultancy & Software Dev. Type of Projects	18,000	-	23,226	1,080
Total	28,720		27,714	4,028

Service Assignments Given by the Government Authorities

According to different parliament Acts and government requirements, UCSC was asked to offer services from time to time. The Centre for Digital Forensic (CDF) was supposed to carry out investigations based on the court orders or directives received from other parties. A nominal fee is paid for some assignments but the actual cost incurred by the UCSC is higher than the income of service assignments

6.4 ANALYSIS OF FINANCIAL SUPPORT AND THE GENERATED INCOME

The support of the Government is given only for undergraduate studies but this support is not enough to meet all the requirements of the undergraduate programme. Funds are directly collected from the students of postgraduate and external degree programmes to carry out respective academic activities. Consultancies, projects and service types of assignments given by external parties are charged by issuing invoices. Following table describes the budgeted and received income from different activities of UCSC.

Table 6.4. A: Financial Progress (Budgeted, Invoiced, Received) Rs. 000'

Major Income Sources	Budgeted	Invoiced	Received	Variance
Undergraduate Studies	5,100	16,055	16,055	10,955
Postgraduate Studies	72,002	87,806	87,806	15,804
Consultancies	18,000	18,649	17,851	(798)
External Degree	93,976	123,645	123,645	26,669
Other	40,000	36,244	36,244	(3,756)
Total	229,078	282,399	281,601	48,874

6.4.1 FINANCIAL PERFORMANCE ANALYSIS

Table 6.4.1. A: Financial Performance Analysis – 2022 Rs. 000'

Subject	Formula	Exp. per Student
Recurrent Expenditure per Student (RE)	RE / Total No of Student strength	428,110
Capital Expenditure per Student (CE)	CE Total / No of Student strength	172,613
Cost per Student		600,724

6.4.2 ANALYSIS OF THE FINANCIAL DETAILS OF THE UNDERGRADUATE PROGRAMME

RS '000

	2022	%	2021	%	2020	%	2019	%
Personal Emoluments	367,893		326,363		316,053		329,637	
Other Recurrent	81,253		74,163		53,479		66,441	
Total Recurrent Expenditure	449,146		400,526		369,532		396,078	
Recurrent Grant Received	404,800	90	392,180	98	357,880	97	337,200	85
Generated Funds for Recurrent Activities	44,346	10	8,346	2	11,652	3	58,878	15
Capital Expenditure	179,000		73,171		41,585		102,030	
Capital Grant Received	54,262	30	60,000	82	23,000	55	69,000	68
Generated Funds for Capital Activities	124,738	70	13,171	18	18,585	45	33,030	32
Total Expenditure (Recurrent + Capital)	628,146		473,697		411,121		498,108	
Total Government Grant	459,062	73	452,180	95	380,880	93	406,200	82
Generated funds for Undergraduate Programme	169,084		21,517		30,241		91,908	
Generated Funds utilization as a % of total Expenditure		27		5		7		18

I. STATEMENT OF FINANCIAL POSITION

AS AT 31ST DECEMBER	Notes	2022 Rs	2021 Re- Classified Rs
ASSETS			
Current Assets			
Cash & Cash Equivalents	1	129,033,443	105,600,505
Loans Receivable - Within One Year	2	5,042,352	4,918,068
Investments - Mature within One Year	1.1	1,409,000,444	1,318,618,277
Other Receivables & Prepayments	3	41,535,033	9,557,251
Interest Receivables	4	142,438,512	66,042,290
Inventories	5	7,361,681	3,026,788
Total Current Assets		1,734,411,466	1,507,763,181
Non-Current Assets			
Loans Receivable - More than One Year	2	10,538,664	12,940,474
Investments - Mature after One Year	1.1	43,742,158	43,742,158
Rehabilitation and Improvement of Capital Assets	6	-	40,765,012
Construction Work in Progress	7	15,743,865	42,343,666
Library Books & Periodicals	8	28,224,248	1,396,658
Property, Plant & Equipment	9	1,581,985,359	679,756,392
Intangible Assets	10	36,020,107	8,329,464
Total Non-Current Assets		1,716,254,402	829,273,825
TOTAL ASSETS		3,450,665,867	2,337,037,006
EQUITY & LIABILITIES			
Current Liabilities			
Accruals & Other Payable	11	29,603,601	27,185,213
Creditors		397,909	6,539,879
Retention		3,085,960	1,913,877
Provisions	12	2,602,907	2,777,807
Deferred Income	13.1	103,833,508	116,987,025
Total Current Liabilities		139,523,886	155,403,801
Non-Current Liabilities			
Deferred Income	13.2	43,976,500	15,062,500
Retirement Benefit Obligation - Gratuity	14	109,625,888	103,156,667
Total Non-Current Liabilities		153,602,388	118,219,167
TOTAL LIABILITIES		293,126,272	273,622,967
TOTAL NET ASSETS / EQUITY		3,157,539,595	2,063,414,038
ACCUMULATED RESERVES & FUNDS			
Accumulated Fund - Capital	15	779,873,691	706,160,342
Accumulated Fund - Current	16	1,072,480,863	913,867,790
Project Grants	17	11,462,146	12,226,200
Contribution from University of Colombo		8,155,714	8,155,714
Revaluation Reserve	18	946,381,060	131,897,080
Restricted Funds	19	339,186,121	291,106,911
TOTAL NET ASSETS / EQUITY		3,157,539,595	2,063,414,038
.....			
Deputy Bursar			
The accounting policies on pages 8 to 17 and notes on pages 19 to 46 form an integral part of these Financial Statements. The Members of the Board of Management are responsible for the preparing and presenting of these Financial Statements. These Financial statements were approved by the Board of Management and signed on their behalf.			

.....			
Director			Deputy Director
24/Feb/2022			

II. STATEMENT OF FINANCIAL PERFORMANCE

FOR THE YEAR ENDED 31ST DECEMBER	Notes	2022	2021 Re-Classified
		Rs	Rs
Revenue			
Revenue from Non Exchange Transactions - Current			
Government Grant for Recurrent Expenditure		399,605,000	392,180,000
Grant for Student Bursary		5,195,400	4,946,100
Total Revenue from Non Exchange Transactions- Current		404,800,400	397,126,100
Revenue from Exchange Transactions - Current			
Interest Income	27	144,435,272	64,205,222
Other Internal Income	28	16,666,866	7,879,624
Actuarial Gain		11,555,164	13,419,164
Exchange Gain		2,536	-
Disposal Profit		-	417,164
Revenue from Extension Programme	29	2 55,644,457	231,917,287
Revenue From Projects	30	14,026,031	3,935,989
Total Revenue from Exchange Transactions- Current		442,330,325	321,774,450
Total Revenue - Current		847,130,725	718,900,550
Revenue from Non Exchange Transactions - Capital			
Government Grant for Capital Expenditure		54,262,766	60,000,000
Project Grant for Capital Expenditure		786,397	-
Donation		1,461,390	-
Total Revenue from Non Exchange Transactions- Capital		56,510,552	60,000,000
Total Revenue - Capital		56,510,552	60,000,000
Total Revenue		903,641,278	778,900,550
Operating Expenditure - Current			
Personal Emoluments	31	304,234,101	269,779,146
Traveling Expenses	32	148,525	173,702
Supplies	33	15,401,855	6,408,431
Contractual Services	34	39,818,863	29,719,386
Retirement Benefits	35	63,658,550	56,584,275
Other Recurrent Expenses	36	19,977,935	13,809,787
Mahapola & Bursary Payment		5,195,400	4,946,100
Non Moving Items - Write Off		-	139,461
Disposal Loss		710,587	6,181,485
FAR-Write Off		-	2,730,344
Transferred to Common Project		-	1,565,542
Expenditure for Extension Courses	37	115,784,264	103,513,693
Expenditure for Projects	38	6,587,760	4,191,268
Total Operating Expenditure - Current		571,517,839	499,742,622
Non-Operating Expenditure			
Depreciation & Amortization Expenses	39	103,993,592	95,787,728
Total Non-Operating Expenditure		103,993,592	95,787,728
Total Expenses		675,511,431	595,530,350
Total Surplus Deficit for the Year		228,129,845	183,370,199

Current Surplus/ (Deficit) for the Year		275,612,886	219,157,928
Capital Surplus/ (Deficit) for the Year		(47,483,040)	(35,787,728)
"The accounting policies & Notes are an integral part of these Financial Statements."			

III. STATEMENT OF CHANGES IN EQUITY

FOR THE YEAR ENDED 31TH DECEMBER	Accumulated Fund - Capital	Accumulated Fund - Current	Project Grants Unspent	Contribution from UoC	Revaluation Reserve	Restricted Funds	Total
	Rs	Rs	Rs.	Rs.	Rs.	Rs.	Rs
Balance as at 01st January 2021	726,439,363	703,379,156	5,792,698	8,155,714	45,930,497	264,632,918	1,754,330,346
Transfer Surplus/ (Deficit) during the year	(35,787,728)	219,157,928	-	-	-	-	183,370,202
Grant Received During the Year	-	-	8,788,468	-	-	-	8,788,468
Transferred During the Year from Unspent Grant to Income	-	-	(2,354,966)	-	-	-	(2,354,966)
Transferred During the Year	12,000,000	(12,000,000)	-	-	92,805,995	26,473,994	119,279,990
Transfer from Revaluation Reserve to Accumulated Fund - Current	-	3,330,706	-	-	(3,330,706)	-	-
Transfer from Revaluation Reserve to Accumulated Fund - Capital	3,508,706	-	-	-	(3,508,706)	-	-
Balance as at 31st December 2021	706,160,342	913,867,790	12,226,200	8,155,714	131,897,080	291,106,911	2,063,414,038
Transfer Surplus/ (Deficit) during the year	(47,483,040)	275,612,886	-	-	-	-	228,129,845
Grant Received During the Year	-	-	6,427,125	-	-	-	6,427,125
Grant Spent During the Year	-	-	(7,191,179)	-	-	-	(7,191,179)
Transferred During the Year	121,196,389	(118,182,343)	-	-	815,666,510	48,079,210	866,759,766
Transfer from Revaluation Reserve to Accumulated Fund - Current	-	1,182,530	-	-	(1,182,530)	-	-
Balance as at 31st December 2022	779,873,691	1,072,480,863	11,462,146	8,155,714	946,381,060	339,186,121	3,157,539,595
"The accounting policies & Notes are an integral part of these Financial Statements."							

IV. STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED 31ST DECEMBER	Note	2022	2021 Re-Classified
		Rs.	Rs
Cash Flows From/ (Used in) Operating Activities			
Surplus / (Deficits) for the Year		228,129,845	183,370,199
Adjustment for :			
Depreciation & Amortization		103,993,592	95,787,728
Provision for Gratuity		19,533,113	15,558,047
Write off		157,901	3,844,841
(Profit) /Loss from Sales of Property, Plant & Equipment		710,587	6,086,328
Interest Income		(144,435,272)	(64,205,222)
Exchange Gain / (Loss)		(6,315,285)	171,732
Actuarial Gain / (Loss)		(11,555,164)	(13,419,164)
Provision of Audit Fee		820,000	500,000
Donation		(1,461,390)	-
Net Cash Flow from Operating Activities before Working Capital Changes		189,577,927	227,694,490
(Increased) / Decreased in Inventories		(4,334,894)	(1,232,586)
(Increased) / Decreased in Other Receivables & Prepayments		(32,140,683)	2,460,946
(Increased) / Decreased in Staff Loan Receivables		2,277,526	53,379
Increased / (Decreased) in Accruals & Payables		(2,551,499)	(10,412,935)
Increase / (Decrease) in Deferred Income		15,760,483	(8,277,479)
Net Cash Flow from Operating Activities after Working Capital Changes		168,588,861	210,285,816
Gratuity Paid		(1,508,729)	(11,801,644)
Audit Fee & other provisions Paid		(994,900)	(2,298,300)
Net Cash Generated/ (Used) From Operating Activities		166,085,233	196,185,872
Cash Flows From/(Used In) Investing activities			
Acquisition of Property, Plant & Equipment		(76,957,239)	(22,958,530)
Work in Progress - Construction		(93,135,833)	(45,525,433)
Proceeds from Sales of Property, Plant & Equipment		580,475	712,203
Rehabilitation & Improvement of Capital Assets		(4,427,025)	(4,586,474)
Received in Interest		81,542,393	87,983,996
Funds invested in Fixed Deposits		(1,225,067,310)	(252,034,233)
Withdrawals of Fixed Deposits		1,134,685,144	17,325,493
Net Cash Generated/ (Used) From Investing Activities		(182,779,395)	(219,082,978)
Cash Flows from /(Used In) Financing Activities			
Transfer to Income from Project Grant Received		(7,191,179)	(2,354,966)
Project Grant Received		6,427,125	8,788,468
Net Receipts/Payments from Restricted Funds		34,575,869	21,451,792
Net Cash Generated/ (Used) From Financing Activities		33,811,815	27,885,294
Net Increase/Decrease in Cash and Cash Equivalents		17,117,652	4,988,187
Cash and Cash Equivalents at the Beginning of the Year		105,600,505	100,784,050
Adjustment of Exchange Gain / (Loss)		6,315,285	(171,732)
Cash and Cash Equivalents at the End of the Year	1	129,033,443	105,600,505

"The accounting policies & Notes are an integral part of these Financial Statements.

V. POLICIES TO THE FINANCIAL STATEMENTS

1. Reporting Entity

1.1 Legal and Domicile Form

University of Colombo School of Computing (UCSC) is the center of higher learning of the University of Colombo and established under the UCSC Ordinance No. 01 of 2002 and domiciled at No.35, Reid Avenue, Colombo 07, Sri Lanka.

1.2 Principal Activities & Nature of Operation

To provide computing degree programs for internal undergraduate, external degree and postgraduate programs, to conduct research & development and to provide consultancy in the field of computing.

1.3 Financial Period

The financial period of the UCSC represents a twelve-month period from 1st January 2022 to 31st December 2022.

1.4 Date of Authorization for Issue

The financial statements were authorized for issue by the Board of Management held on 23rd February 2023.

1.5 Basis of Preparation of Financial Statements

1.5.1 Statement of Compliance

The financial statements of UCSC have been prepared in accordance with Sri Lanka Public Sector Accounting Standards (SLPSASs) issued by the Institute of Chartered Accountants of Sri Lanka.

The financial statements comprise the Statement of Financial Position, Statement of Financial Performance, Statement of Changes in Equity, Cash Flow Statement and Notes to the Financial Statements.

The principal accounting policies applied in preparation and presentation of financial statements are set out below. These policies have been consistently applied to all periods presented in the financial statements unless otherwise stated.

1.5.2 Basis of Measurement

The Financial Statements have been prepared on a historical cost basis except where appropriate disclosures are made with regard to the fair value clarified by relevant notes.

1.5.3 Comparative Information

Comparative information including quantitative, narrative and descriptive information is disclosed in respect of the previous period for all amounts reported in the financial statements in order to enhance the understanding of the financial statements of the current period and to improve comparability.

When the presentation or classification of items in the financial statements is amended, comparative amounts are reclassified, unless reclassification is impracticable.

1.5.4 Functional and Presentation Currency

The financial statements are presented in Sri Lankan Rupees, which is the functional and presentation currency of the UCSC.

1.5.5 Rounding

The amounts in financial statements have been rounded-off to the nearest rupee, unless otherwise indicated as permitted by the Sri Lanka Public Sector Accounting Standards.

1.5.6 Significant Accounting Estimates and Judgments and Assumptions

The preparation and presentation of financial statements in conformity with SLPSASs, requires management to make judgments, estimates and assumptions that affect the application of accounting policies and reported amounts of assets, liabilities, income and expenses. Uncertainty about these assumptions and estimates could result in outcomes that require material adjustments to the carrying amount of assets or liabilities affected in future periods.

Estimates and underlying assumptions are reviewed on an on-going basis. Revisions to accounting estimates are recognized in the period in which the estimate is revised if the revision affects only that period or in the period of the revision and future periods if the revision affects both current and future periods.

1.5.7 Going Concern

The financial statements have been prepared on a going concern basis.

1.5.8 Changes in Accounting Policies and Estimates

UCSC recognized the effects of changes in accounting policy retrospectively. However, the effects of the changes in accounting policies are applied prospectively if the retrospective application is impractical.

2. Summary of Significant Accounting

Policies

2.1. Assets and the Basis of their valuation

2.1.1 Property, Plant and Equipment.

a. Recognition and Measurement

(I) Basis of Recognition

Property, plant and equipment are recognized if it is probable that future economic benefits associated with the asset will flow to UCSC and the cost of the assets can be measured reliably.

(II) Basis of Measurement

All items of property, plant and equipment are initially recorded at cost. Subsequently, it will be measured at cost less accumulated depreciation and impairment. Significant components of assets are identified and depreciated separately.

b. Cost

The cost of property, plant and equipment comprises its purchase price and any directly attributable cost of bringing the asset to working condition for its intended use. As previously mentioned, Property, plant and equipment are stated at cost, excluding the costs for day-to-day servicing, less accumulated depreciation. Such cost includes the cost of replacing part of the property, plant and equipment when that cost is incurred, if the recognition criteria are met. When significant parts of property, plant and equipment are required to be replaced at intervals, the UCSC recognizes such parts as individual assets with specific useful lives and depreciates them accordingly.

c. Subsequent Expenditure

Subsequent expenditure incurred for the purpose of acquiring, extending or improving assets of a permanent nature in order to carry on or increase the earning capacity of the assets has been treated as capital expenditure. Expenditure incurred to replace a component of an item of property, plant and equipment that is accounted for separately, including major inspection and overhaul expenditure, is capitalized. Other subsequent expenditure is capitalized only if it is probable that the future economic benefits embodied within the part will flow to UCSC and its cost can be measured reliably. An entity does not recognize in the carrying amount of an item of

property, plant and equipment the costs of the day-to-day servicing of the item. Rather, these costs are recognized in surplus or deficit as incurred.

d. Fair Value

Assets received under the grants have been recognized at fair value.

2.1.2 Derecognition of Property, Plant & Equipment

An item of property, plant and equipment is derecognized upon disposal or when no future economic benefits are expected from its use or disposal. Any gain or loss arising from de-recognition of the asset is calculated as the difference between the net disposal proceeds and the carrying amount and included in the statement of Financial Performance in the year the asset is derecognized.

2.1.3 Library Books

The costs of library books are written off on a straight-line basis over a period of five years.

2.1.4 Revaluation of Property Plant & Equipment

If the carrying amount of a class of assets is increased as a result of a revaluation, the increase shall be credited directly to revaluation surplus. However, the increase shall be recognized in surplus or deficit to the extent that it reverses a revaluation decrease of the same class of assets previously recognized in surplus or deficit.

If the carrying amount of a class of assets is decreased as a result of a revaluation, the decrease shall be recognized in surplus or deficit. However, the decrease shall be debited directly to the revaluation surplus to the extent of any credit balance existing in the revaluation surplus in respect of that class of assets. Upon disposal, any revaluation reserve relating to the particular

2.1.4.1 Revaluation during the Year 2022

During the year 2022, UCSC conducts a revaluation of its entire class of Building from the Department of Valuation. Library books and Periodicals were revalued by a five member internal committee, appointed by the Director UCSC. Committee completed the revaluation and submitted their reports. The effective dates of revaluation were 30th September 2022 for Building and 31st December 2022 for Library Books and Periodicals. During the year 2022, these revaluations were recognized in the financial statements.

2.1.5 Depreciation

Depreciation is recognized on all Property, Plant & Equipment on a straight-line basis over the estimated useful lives of such assets. Depreciate all the assets when they are

available for use, and depreciation of assets ceases when the assets are de-recognized" in accordance with the Sri Lanka Public Sector Accounting Standards (SLPSAS7). If the date of purchasing of assets is not known, depreciation is provided for the whole year of the asset acquired or based on the most recent month of the assets acquired. The annual rates of depreciation are as follows.

Description	Rate per annum
Buildings	5%
Office Equipment	20%
Laboratory, Studio & Teaching Equipment	20%
Computer & Network Equipment	20%
Electrical & Maintenance Equipment	20%
Furniture & Fittings	10%
Library books & periodicals	20%
Motor Vehicles	20%
Electricity Connection	10%
Water Supply System	10%

2.1.6 Capital Work- in- Progress

Capital work-in-progress is stated at cost. These are expenses of a capital nature directly incurred in the construction of property, plant and equipment awaiting capitalization. Capital work-in-progress would be transferred to the relevant asset category in property plant and equipment, when it is available for use. i.e. when it is in the location and condition necessary for it to be capable of operating in the manner intended by the UCSC.

2.1.7 Intangible Assets

Acquired computer software is capitalized on the basis of the costs incurred to acquire and bring it to use. These costs are amortized over their estimated useful life of five (05) years. Costs associated with maintaining computer software programmes are recognized as an expense when it is incurred.

Description	Rate per annum
Computer Software	20%

Costs that are directly associated with the production of identifiable and unique software products controlled by UCSC are recognized as intangible assets when the following criteria are met:

1. It is technically feasible to complete the software product so that it will be available for use;
2. Management intends to complete the software product and use it;
3. There is an ability to use the software product;
4. It can be demonstrated how the software product will generate probable future economic benefits;
5. Adequate technical, financial and other resources to complete the development and to use the software product are available; and
6. The expenditure attributable to the software product during its development can be reliably measured.

Directly attributable costs that are capitalized as part of the software product include the software development employee costs and an appropriate portion of relevant overheads.

2.1.8 Inventories

Inventories have been valued at cost and the cost is determined based on the first in first out (FIFO) method. The cost includes expenditure incurred in acquiring the inventories and bringing them to their existing location and condition. The Inventory of the UCSC includes stationery, consumables and maintenance items. Where inventories are acquired through a non-exchange transaction, their cost shall be measured at their fair value as at the date of acquisition.

2.1.9 Cash and Cash Equivalents

Cash and cash equivalents are defined as cash in hand, demand deposits and short-term highly liquid investments, readily convertible to known amounts of cash and subject to insignificant risk of changes in value. For the purpose of the Statement of Cash Flow, cash and cash equivalents consist of cash in hand, deposits in banks and bank overdrafts. Investments with short maturities i.e. Three months or less from the date of acquisition are also treated as cash equivalents.

3. Liabilities & Provisions

3.1.1 Liabilities

All known liabilities as at the date of statement of financial position are included in the financial statements and adequate provisions are made for liabilities which are known to exist, but the amount of which cannot be determined accurately. Obligations payable on demand or within one year of the date of statement of financial position are treated as current liabilities in the statement of financial position. Liabilities payable after one year from the date of statement of financial position are treated as non-current liabilities in the statement of financial position.

3.1.2 Contingent Liabilities

UCSC does not recognize contingent liability but discloses any contingencies in the notes to the financial statements, unless the possibility of an outflow of resources embodying economic benefits or service potential is remote.

3.1.3 Provisions

A provision is recognized in the statement of financial position when UCSC has an obligation as a result of a past event, it is probable that an outflow of assets will be required to settle the obligation and the obligation can be measured reliably. No provision has been made in the accounts with regard to liabilities arising out of litigation for which the outcome is uncertain.

3.1.4 Deferred Income

Deferred income results when received income relating to courses and study programmes are raised at the commencement of the courses where the course delivery takes place over a period of several months / years. Deferred income is recognized in the statement of Financial Performance to the extent of course delivery taking place on a quarterly basis and the balance attributable to the remaining course period is recognized as a liability on the statement of financial position until income is recognized.

3.1.5 Employee Benefits

a. Employee Defined Benefit Plan – Gratuity

Defined benefit plan is a post-employment benefit plan, other than a defined contribution plan. The defined benefit is calculated by an independent actuary using the Projected Unit Credit (PUC) method.

The present value of the defined benefit obligation is determined by discounting the estimated future cash outflows, using interest rates that are denominated in the currency in which the benefits will be paid and that have terms to maturity approximating to the terms of the related liability. The present value of the defined benefit obligations depends on a number of factors that are determined on an actuarial basis using a number of assumptions about discount rates, future salary increments and mortality rates. Due to the long-term nature of these plans, such estimates are subject to significant uncertainty.

All assumptions are reviewed at each reporting date. Accordingly, the employee benefit liability is based on the actuarial valuation as of 31st December 2022. The UCSC's accounting policy for gratuity is to recognize actuarial gains and losses in the period in which they occur in full in the statement of Financial Performance.

Actuarial and Management Consultant (Pvt) Ltd, qualified actuaries has done actuarial valuation on the defined benefit plan – Gratuity as at 31-12-2022. The assumptions used in determining the cost of retirement benefits are as follows.

Retiring Gratuity Formula: Half month's Salary plus Allowance for each completed year of service when the total period of service as at the date of "exit" is 5 years or more.

Mortality: A 1967/70 Mortality Table

Disability: 10% of the Mortality Table

Staff Turnover Rates: Permanent Staff: 5.00% p.a. cross the board up to age 54 and thereafter zero and Non-Permanent Staff as given in the Annex

Non-Permanent Staff: Staff Turnover Rate

AGE GROUP RATE

XV: 18 to 34 23%

XV: 35 to 44 21%

XV: 45 to 54 13%

And thereafter, Zero.

Rate of salary Escalation

Basic Salary and Allowances

Academic Staff 16.00% p.a.

Academic Support Staff 14.00% p.a.

Non-Academic Staff 14.00% p.a.

Retiring Gratuity Formula: Half month's Salary plus Allowance for each completed year of service for those with at least 5 years' service.

Normal Retirement Age

Academic Staff 65 yrs.

Non-Academic staff 60 yrs.

Rate of discount 18% p.a.

(The employees who are aged over the specified retirement age have been assumed to retire on their respective next birthday)

Current Service Cost

Category	Rs.
Academic-Permanent	4,931,683
Non -Academic -Permanent	1,446,150
Academic Support –Permanent	350,932
Academic – Non-Permanent	372,658
Non –Academic Non-Permanent	142,412
Academic Support –Non-Permanent	43,612
<u>E Learning</u>	<u>15,686</u>
Total	7,303,133

Sensitivity Analysis was done assuming below rates.

- One percentage point increase (+1%) in Discount Rate Rs. 103,573,419
- One percentage point decrease (-1%) in Discount Rate Rs. 116,344,761
- One percentage point increase (+1%) in Salary Escalation Rate Rs. 116,356,676
- One percentage point decrease (-1%) in Salary Escalation Rate Rs. 103,466,888

Actuarial valuation is done for the year 2022.

b. Defined Contribution Plans – University Provident Fund (UPF), Employees' Trust Fund (ETF) and University Pension Fund

The UCSC and employees contribute 15% or 07% and 10% respectively, of the salary of each employee to the approved University Provident Fund. In addition, UCSC contributes 3% of the salary of each employee to the Employees' Trust Fund and 08% of the salary of eligible employees to the University Pension Fund. These are recognized as an expense in the statement of Financial Performance as incurred.

3.1.6 Foreign Currency Transaction

Transaction currencies other than Sri Lankan rupees are converted into Sri Lankan rupees at rates which are prevailing at the date of transaction. Gains and losses resulting from the settlement of such translation and from the translation of monetary assets and liabilities denominated in foreign currencies are recognized in the income

statement. Monetary assets and liabilities denominated in foreign currencies are translated at the exchange rate prevailing on the balance sheet date.

3.2 Accounting for the Receipt and Utilization of Funds, Grants and Reserves

Revenue consists of Government Grants, UGC Grants, Income generated from internal sources and external grants provided by various donors and Institutes. Restricted funds are invested in fixed deposits in state banks. Usage is restricted to the specific purpose for which the fund was established.

3.2.1 Endowment Funds

Where assets are received as an endowment which are not exhausted, only the income earned from such assets may be recognized and used as income. Investment income and other gains realized from funds available under each of the above categories are allocated to the appropriate funds, unless the relevant agreement or minute provides otherwise. Purposes of the funds are awarding subject prizes and merit prizes for the best performance in each specified examination.

3.2.2 Accumulated Fund

UCSC adopted and applied SLPSAS 11 – Revenue from Non-Exchange transaction standard with effect from the year 2021 onwards. Accordingly, spent capital grant, capital grant unspent, gift and donations were aggregated as “Accumulated Fund - Capital “in the statement of financial position in accordance with the SLPSAS 11 and guidance issued by the APFASL. General reserve account re-named as accumulated Fund- Current as per the SLPSAS 11.

4. Statement of Financial Performance

4.1. Revenue Recognition

Revenue is recognized to the extent that it is probable that the economic benefit will flow to UCSC that it can be reliably measured. Recognizing revenue from services by reference to stage of completion. Where revenue cannot be measured reliably, revenue is recognized only to the extent that the expenses incurred are recoverable.

4.1.1 Revenue Recognition from Non-Exchange

Transaction

Non-exchange transactions are those where the UCSC receives value from another entity (e.g. cash or other assets) without giving approximately equal value in exchange. In flows of resources from Non-exchange transactions, other than services in-kind, that meet the definition of an asset are recognized as an asset only when:

- It is probable that UCSC will receive an inflow of economic benefits or service potential; and
- The fair value can be measured reliably. Inflows of resources from non-exchange transactions that are recognized as assets are recognized as non-exchange revenue, to the extent that a liability is not recognized with respect to the same inflow.

The following are the specific recognition criteria in relation to the UCSC non-exchange transactions.

(a) Government Grants

Assets and revenue arising from government grants are recognized in the period in which the transfer arrangement becomes binding at the fair value. Where a transfer is subject to conditions and when there is a resulting present obligation as a result of the non-exchange transaction, UCSC recognizes a liability until the conditions are fulfilled. Assets and revenue arising from government grants are measured at the fair value at the date of recognition. Monetary assets are measured at their nominal value.

- Recurrent Grant

Government grants received for the recurrent expenditures are recognized in the statement of financial performance under non-exchange transactions. The government grant of Rs. 399.605 Mn. was received as a recurrent grant for the year 2022.

- Capital Grant

Government Grants and other capital transfers received for the capital expenditure are recognized in the statement of financial performance in accordance with the requirement of SLPSAS 11, Revenue from Non-exchange transactions with effect from the financial year 2021. Capital surplus / (deficit) arising from the capital transactions are accumulated under the Accumulated Fund – Capital in the financial statement. During the year, Rs. 22Mn. received as Government Capital Grant and Rs. 32.26 Mn. special Grant received from University Grants Commission for obtaining additional infrastructure to accommodate the additional student intake.

(b) Gifts, Donations and Goods in Kind Received

Gifts and donations are voluntary transfers of assets including cash or other monetary assets and goods in-kind that the UCSC receives, which are free from stipulations. Gifts and donations and goods in kind received are recognized as non-exchange revenue at its fair value when it is probable that the future economic benefits or service potential will flow to the University, and the fair value of the assets can be measured reliably.

4.1.2 Revenue from Exchange Transaction

(a) Course Fee

Course fees are recognized on a quarterly basis for the period of the academic program. Where adequate information is not available to make such allocation to different financial periods, fees are recognized as income on a cash basis.

(b) Fees on Computing Services

Fees on computing services provided are recognized only on the completion of work.

(c) Investment Income

Interest Income related to UCSC fixed deposits are accounted on accrual basis. Interest Income of the fixed deposits is accrued using effective yield method. In addition to the Interest received from fixed deposits, interest Income consists of Interest received from Loan and Advances and Money Market Investment Income.

(d) Gains / Losses from Sale of Property, Plant and Equipment

Net gains and losses on the disposal of property, plant and equipment are recognized in the statement of Financial Performance after deducting from the proceeds on disposal, the carrying value of the item disposed of and any related selling expenses. In the case of any revalued asset, any balance remaining in the revaluation reserve account is transferred to the statement of the General Reserve.

(e) Other Income

Any other income not specified under above categories is recognized on an accrual basis. Other Income Consists of Suppliers Registration Income, Non-refundable Tender Fee, Selection Test Fee, Examination Fee, Examination Service Income, Consultancy Fee, and other miscellaneous nature Income.

4.2 Expenditure Recognition

The expenditure has been analyzed by Program /project/object wise and all expenses incurred in respect of undergraduate education have been charged to the government recurrent grant.

All expenditure incurred in the acquisition, or improvement of assets of a permanent nature in order to carry on or increase the learning capacity of the students has been treated as capital expenditure.

(a) Project Expenses

Expenses on carrying out the projects and other activities of UCSC are recognized in the statement of Financial Performance during the period in which they are incurred and the basis for identifying project expenses is mainly on the locations of the project and

staff allocated to the project and projected activities of the project according to the project proposal.

Expenses are recognized in the statement of Financial Performance on the basis of direct association between the cost incurred and the earning of specific items of income.

(b) Operational Expenses

All expenditure incurred on the running of the UCSC and on maintaining the capital assets in a state of efficiency has been charged against income arriving at the surplus for the year. Expenditure on examinations, seminars and courses are recognized in the statement of Financial Performance on an accrual basis.

(c) Finance Expense

Finance Expense is recognized on an accrual basis when it is paid or creates liabilities.

4.3 Statement of Cash Flows

The statement of cash flows has been prepared in accordance with SLPSAS No. 02. The method used to prepare cash flow is the "Indirect Method". Cash and cash equivalents as referred to in the statement of cash flows are those items as explained in Note 01.

4.4 Events after the Reporting Period

The materiality of events occurring after the reporting period has been considered and appropriate adjustments, wherever necessary, have been made in the accounts.

4.5 Receivables

Receivables are stated at the amounts that they are estimated to realize.

4.6 Advance Receipts of Transfers

Where an entity receives resources before a transfer arrangement becomes binding, the resources are recognized as an asset when they meet the definition of an asset and satisfy the criteria for recognition as an asset. UCSC will recognize an advance receipt liability if the transfer arrangement is not yet binding. Advance receipts in respect of transfers are not fundamentally different from other advance receipts , a liability is recognized until the event that makes the transfer arrangement binding occurs and all other conditions under the agreement are fulfilled.

4.7 Correction of Errors

UCSC corrected material prior period errors retrospectively in the first set of financial statements authorized for issue after their discovery by:

(a) Restating the comparative amounts for the prior period presented in which the error occurred; or

(b) If the error occurred before the earliest prior period presented, restating the opening balances of assets, liabilities and net assets/equity for the earliest prior period presented.

VI. NOTES TO THE FINANCIAL STATEMENTS

NOTE 01 CASH AND CASH EQUIVALENTS		
AS AT 31ST DECEMBER	2022	2021
	Rs.	Rs.
SHORT TERM INVESTMENT		
Fixed Deposits - Undergraduate	33,325,140	46,294,185
Fixed Deposits - Postgraduate	11,964,017	21,242,288
Fixed Deposits - EDC	-	3,000,000
Fixed Deposits - eLC	-	947,831
Fixed Deposits - ICTer	1,131,938	997,337
Subtotal	46,421,096	72,481,641
BANK CURRENT ACCOUNTS		
Treasury Funds		
Bank A/C - 086-1-001-2-1190316 (Recurrent)	16,471,225	4,188,218
Bank A/C - 086-1-001-9-0011416 (Capital)	1,147,081	2,101,637
Non- Treasury Funds		
Bank A/C- 086-2-001-0-1190316 (Repo)	5,815,517	1,018,359
Bank A/C- 086-1-001-0-1189700 (Payment Gateway)	3,257,301	136,231
Bank A/C- 086-1-001-0-0011331 (M. Sc. Payment)	1,878,187	495,947
Bank A/C- 086-1-001-5-1189665 (M. Sc. Collection)	6,656,245	965,579
Bank A/C- 086-1-001-0-0005542 (R & D)	552,261	1,499,349
Bank A/C- 086-1-001-3-0018190(Student Distress)	3,664,632	2,642,271
Bank A/C- 086-1-001-4-1190688(Research Commercialization)	1,548,755	375,125
Bank A/C- 086-1-001-3-1189727(Pre-paid Debit Card)	97,708	100,000
Bank A/C- 086-1-001-1-1189667 (EDC Collection)	3,457,047	1,125,587
Bank A/C- 086-1-001-2-0011330 (EDC Payments)	575,216	826,840
Bank A/C- 086-1-001-01190483 (CSC)	784,037	1,723,653
Bank A/C- 086-1-001-20012363 (CDF)	1,854,827	1,268,813
Bank A/C- 0296 000 3414	500	500
Bank A/C- 086-1-001-83254898 (e LC)	3,540,565	1,669,653
Bank A/C- 086-1-001-51189694 (ADMTC)	1,205,736	753,590
Bank A/C- 086-1-001-1-1191222 (Projects)	631,977	1,167,528
Bank A/C- 086-1-001-5-0014624 (Medical)	233,653	294,035
Bank A/C- 086-4-071-0-1191222 (RFC)	19,085,828	8,949,980
Bank A/C- 086-1-001-3-1189732 (ICTer)	1,275,335	1,815,969
Bank A/C- 086-1-001-7-1189706 (Error Collection)	13,543	-
Bank A/C- 086-4-021-2-1190316 (US Dollar)	8,865,171	-
Subtotal	82,612,348	33,118,864
TOTAL	129,033,443	105,600,505

NOTE 01.01 INVESTMENT

<i>AS AT 31ST DECEMBER</i>	Balance as at 01.01.2022 Rs.	Added to Deposits During the Year Rs.	Withdrawals During the Year Rs.	Balance as at 31.12.2022 Rs.
NOTE 01.01 INVESTMENT - MATURE WITHIN ONE YEAR				
Undergraduate	40,662,737	12,493,306	313,000.00	52,843,042
Postgraduate	512,816,618	433,688,587	429,291,303	517,213,902
EDC	505,782,588	689,334,476	638,882,737	556,234,327
CSC	47,322,562	7,480,944	-	54,803,506
eLC	121,332,737	77,314,019	63,972,054	134,674,703
ADMTC	16,461,798	865,715	-	17,327,513
Common Projects	67,010,452	3,476,177	2,226,050	68,260,579
ICTer	7,228,785	414,087	-	7,642,872
Subtotal	1,318,618,277	1,225,067,310	1,134,685,144	1,409,000,444

NOTE 01.01 INVESTMENT - MATURE AFTER ONE YEAR

eLC	200,000	-	-	200,000
Postgraduate	43,542,158	-	-	43,542,158
Subtotal	43,742,158	-	-	43,742,158
TOTAL	1,362,360,435	1,225,067,310	1,134,685,144	1,452,742,602

NOTE 02 LOAN RECEIVABLES

<i>AS AT 31ST DECEMBER</i>	Recover Within One Year Rs.	Recover after one Year Rs.	Total	31.12.2021 Rs.
Distress Loan	4,416,456	11,306,964		15,723,420
Computer Loan	12,000	28,500		40,500
Vehicle Loan	77,988	93,372		171,360
Staff Loan	6,120	24,310		30,430
Special Computer Loan	405,504	1,487,328		1,892,832
TOTAL	4,918,068	12,940,474		17,858,542

<i>AS AT 31ST DECEMBER</i>	Recover Within One Year Rs.	Recover after one Year Rs.	Total	31.12.2022 Rs.
Distress Loan	4,553,760	9,389,410		13,943,170
Computer Loan	12,000	17,000		29,000
Vehicle Loan	65,988	31,050		97,038.00
Staff Loan	5,100	19,380		24,480.00
Special Computer Loan	405,504	1,081,824		1,487,328
TOTAL	5,042,352	10,538,664		15,581,016

NOTE 03 OTHER RECEIVABLES, DEPOSITS AND PREPAYMENTS

<i>AS AT 31ST DECEMBER</i>	2022	2021
	Rs.	Rs.
Festival Advances	7,800	13,400
Special Advance	4,000	4,000
Miscellaneous Advance	100,000	-
Deposits		
United Motors Ltd.	15,000	15,000
Associated Motorways Ltd	5,000	5,000
Lanka Communication Services (Pvt) Ltd	15,000	15,000
Sri Lanka Telecom - IDD - Telephone NO. 587239	20,000	20,000
Refundable Deposit -ACNL	97,500	97,500
Rent Deposit -Battaramulla Hostel	1,200,000	-
Rent Deposit -Kohuwala Hostel	-	600,000
Felix Perera & Sons- Fuel	85,275	85,275
Refundable Deposits	4,000,000	4,000,000
Water Mart Systems (Pvt) Ltd	16,000	16,000
Other Receivables		
Stamps	2,047	78,661
Sundry Receivable	34,223,026	3,713,181
Pre-payments	1,744,385	894,233
TOTAL	41,535,033	9,557,251

NOTE 04 INTEREST RECEIVABLE

<i>AS AT 31ST DECEMBER</i>	2022	2021
	Rs.	Rs.
ADMTC	1,573,478	351,594
Postgraduate	69,657,672	40,443,531
EDC	55,440,787	20,117,508
CSC	3,595,249	757,759
eLC	5,245,108	1,863,019
Common Projects	4,339,674	1,621,484
ICTer	238,729	88,927
TOTAL	142,438,512	66,042,290

NOTE 05 INVENTORIES

<i>AS AT 31ST DECEMBER</i>	2022	2021
	Rs.	Rs.
Stock of Stationery - Central Stores	5,005,648	2,720,325
Stock of Fuel	2,356,033	306,462
TOTAL	7,361,681	3,026,788

NOTE 06 REHABILITATION AND IMPROVEMENT OF CAPITAL ASSETS

Description	Rs. Rehabilitation & Improvement of Capital Assets
Cost:	
Balance as at 01.01.2022	79,421,846
Add: Additions During the Year	4,427,025
Transferred During the Year	(83,848,872)
Balance as at 31.12.2022	-
Provision for Depreciation:	
Balance as at 01.01.2022	38,656,835
Add: Depreciation During the Year	2,633,889
Transferred During the Year	(41,290,723)
Balance as at 31.12.2022	-
Carrying Value as at 31.12.2022	-
Carrying Value as at 31.12.2021	40,765,012

NOTE 07 CONSTRUCTION WORK IN PROGRESS

Description	Canteen Building	Research Floor Area	Fire Protection System	Roof Top (05th Floor)	Computer Lab (Ground Floor)	East Wing Refurbishment (01st Floor)	Heavy Duty GI Storage Room	Total Rs.
Balance as at 01.01.2022	357,000	6,498,339	7,720,305	7,454,277	7,513,460	12,800,284	-	42,343,666
Add: Additions During the Year	13,462,321	2,426,455	1,362,868	7,364,064	3,793,196	62,802,384	1,924,544	93,135,832
Less: Transferred During the Year	-	(8,924,794)	(9,083,174)	(14,818,341)	(11,306,656)	(75,602,669)	-	(119,735,633)
Balance as at 31.12.2022	13,819,321	-	-	-	-	-	1,924,544	15,743,865

NOTE 08 LIBRARY BOOKS & PERIODICALS

Description	Library Books & Periodicals Rs
Cost:	
Balance as at 01.01.2022	12,714,404
Add: Purchased During the Year	103,950
Addition due to Revaluation	27,312,629
Less: Transferred Due to Revaluation	(11,906,735)
Balance as at 31.12.2022	28,224,248
<i>Provision for Depreciation:</i>	
Balance as at 01.01.2022	11,317,747
Add: Depreciation During the Year	588,989
Less: Transferred Due to Revaluation	(11,906,735)
Balance as at 31.12.2022	-
Carrying Value as at 31.12.2022	28,224,248
Carrying Value as at 31.12.2021	1,396,658

NOTE - 09 PROPERTY, PLANT AND EQUIPMENT

Description	Laboratory, Studio & Teaching Equipment Rs	Furniture & Fittings Rs	Office Equipment Rs	Computer & Network Equipment Rs	Electrical & Maintenance Equipment Rs	Motor Vehicles Rs	Buildings Rs	Electricity Connection Rs	Water Supply System Rs	Total Rs
Cost:										
Balance as at 01.01.2022	22,070,789	50,202,885	53,797,044	86,097,941	3,241,000	11,450,000	565,415,084	24,023,353	22,808,402	839,106,499
Purchased During the Year	1,726,020	89,300	3,007,463	33,139,546	65,000.00	-	823,303	-	-	38,850,632
Donations During the Year	1,461,390	-	-	-	-	-	-	-	-	1,461,390
Transferred From Working Progress	-	7,149,655	20,459,288	5,261,390	128,943.75	-	86,736,357	-	-	119,735,633
Transferred from Research Fund	3,019,046	-	-	-	-	-	-	-	-	3,019,046
Transferred From Project	-	-	202,499	583,898	-	-	-	-	-	786,397
Transferred From Rehabilitation	-	-	-	-	-	-	83,848,872	-	-	83,848,872
Addition Due to Revaluation	-	-	-	-	-	-	788,353,881	-	-	788,353,881
Transferred Due to Revaluation	-	-	-	-	-	-	(209,352,497)	-	-	(209,352,497)
Disposal During the Year	(4,406)	(94,398)	(221,316)	(1,085,130)	-	-	-	-	-	(1,405,250)
Balance as at 31.12.2022	28,272,839	57,347,441	77,244,978	123,997,645	3,434,944	11,450,000	1,315,825,000	24,023,353	22,808,402	1,664,404,602
Provision for Depreciation:										
Balance as at 01.01.2022	-	-	-	-	-	2,290,000	145,103,573	5,114,014	6,842,520	159,350,107
Depreciation During the Year	5,227,675	5,026,624	11,637,589	22,365,862	653,222	2,290,000	39,360,950	2,402,335	2,280,840	91,245,097
Transferred From Rehabilitation	-	-	-	-	-	-	41,290,723	-	-	41,290,723
Transferred Due to Revaluation	-	-	-	-	-	-	(209,352,497)	-	-	(209,352,497)
Disposal During the Year	(367)	(3,243)	(18,433)	(92,145)	-	-	-	-	-	(114,188)
Balance as at 31.12.2022	5,227,308	5,023,381	11,619,156	22,273,716	653,222	4,580,000	16,402,750	7,516,349	9,123,360	82,419,243

Carrying Value as at 31.12.2022	23,045,531	52,324,060	65,625,822	101,723,929	2,781,721	6,870,000	1,299,422,250	16,507,004	13,685,042	1,581,985,359
Carrying Value as at 31.12.2021	22,070,789	50,202,886	53,797,044	86,097,941	3,241,000	9,160,000	420,311,512	18,909,339	15,965,882	679,756,392

NOTE 10 INTANGIBLE ASSETS

Software	2022 Rs	2021 Rs
Cost:		
Balance as at 01.01.2022	10,411,831	36,104,346
Additions due to Revaluation	-	2,335,000
Acquired During the Year	37,216,260	-
Transferred Due to Revaluation	-	(11,100,691)
Disposed During the Year	-	(16,926,824)
Balance as at 31.12.2022	47,628,091	10,411,831
Amortization:		
Balance as at 01.01.2022	2,082,367	21,524,023
Transferred Due to Revaluation	-	(11,100,691)
Amortized During the Year	9,525,618	2,082,367
Disposed During the Year	-	(10,423,331)
Balance as at 31.12.2022	11,607,985	2,082,367
Carrying Value as at 31st December	36,020,107	8,329,464

NOTE 11 ACCRUALS AND OTHER PAYABLE

AS AT 31ST DECEMBER	2022 Rs.	2021 Rs.
Stamp Duty Payable	18,150	18,300
Social Security Contribution Levy Payable	581,130	-
Prof. Athula Ginige A/C	-	389,911
Amalgamated Club Fee	148,100	688,700
Student Union	1,374,451	1,165,051
Student Charter Fee	127,000	93,300
VSS Grant Received	-	21,000
Refundable Library Deposits - M.Sc.	3,740,000	4,110,000

Refundable Library Deposits - M.Phil.	77,500	77,500
Other Refundable Deposits	45,000	10,000
Career Fair	98,349	98,349
Network Operating Centre Payable	423,500	423,500
Salaries Payable	3,609,801	3,436,500
Accrued Expenses	10,871,585	2,809,068
Other Payable	518,464	4,156,885
University Provident Fund Payable	775,156	560,413
Staff Insurance Recovery	241,490	101,340
Medical Fee	3,194,801	2,671,301
HETC Project Advance	-	3,630,711
Employees' Trust Fund Payable	100,727	78,062
Employees' Provident Fund Payable	50,860	72,081
Staff Development Allocation	1,520,184	1,044,240
Annual Maintenance Fee	1,337,352	1,454,000
TA BOT in Moodle Project	600,000	-
Canteen Deposit	150,000	75,000
TOTAL	29,603,601	27,185,213

<i>AS AT 31ST DECEMBER</i>	<i>2022</i>	<i>2021</i>
	<i>Rs.</i>	<i>Rs.</i>
Provision for Electricity	1,342,332	1,342,332
Provision for the Audit Fee	1,260,575	1,435,475
	2,602,907	2,777,807

NOTE 13 DEFERRED INCOME

<i>AS AT 31ST DECEMBER</i>	<i>2022</i>	<i>2021</i>
	<i>Rs.</i>	<i>Rs.</i>
Total Deferred Income	147,810,008	132,049,525
TOTAL	147,810,008	132,049,525

NOTE 13.1 DEFERRED INCOME UNDER CURRENT LIABILITY

Postgraduate	76,689,000	82,012,500
External Degree Centre	25,839,008	33,642,025
Computing Service Centre	1,305,500	876,500
ADMTC	-	456,000

TOTAL	103,833,508	116,987,025
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NOTE 13.2 DEFERRED INCOME UNDER NON-CURRENT LIABILITY

Postgraduate	43,976,500	15,062,500
TOTAL	43,976,500	15,062,500

NOTE 14 RETIREMENT BENEFIT OBLIGATION - GRATUITY

<i>AS AT 31ST DECEMBER</i>	<i>Undergraduate Rs</i>	<i>eLC Rs</i>	<i>Total Rs</i>
Balance as at 01.01.2021	112,600,218	219,210	112,819,427
Adjustments / Transferred During the Year	219,210	(219,210)	-
Additions During the Year	15,558,047	-	15,558,047
Actuarial Gain	(13,419,164)	-	(13,419,164)
Payments During the Year	(11,801,644)	-	(11,801,644)
Balance as at 31.12.2022	103,156,667	-	103,156,667
Additions During the Year	19,533,113	-	19,533,113
Actuarial Gain	(11,555,164)	-	(11,555,164)
Payments During the Year	(1,508,729)	-	(1,508,729)
Balance as at 31.12.2022	109,625,888	-	109,625,888

NOTE 15.1 CAPITAL GRANT SPENT AND UNSPENT

AS AT 31ST DECEMBER	Capital Surplus as at 01.01.2021	Transferred During the Year	Depreciation and Amortization during the year	Adjustment during the year	Revenue from Non exchange transaction - Capital	Contribution to capital outlay from Project & Generated Funds	Capital Expenditure During the year	Capital Surplus as at 31.12.2021
Capital Grant Spent								
Capital Grant Spent	723,975,338	3,508,706	(95,787,728)	-	-	-	73,170,437	704,866,753
Subtotal	723,975,338	3,508,706	(95,787,728)	-	-	-	73,170,437	704,866,753
Capital Grant Unspent								
Rehabilitation and Improvement of Capital Assets	-	-	-	-	37,041,470	-	(37,041,470)	-
Acquisition of Fixed Assets and Constructions	-	-	-	-	22,958,530	-	(22,958,530)	-
Generated Funds for Capital Assets	2,464,027	-	-	-	-	12,000,000	(13,170,437)	1,293,590
Common Project Grants	-	-	-	-	-	-	-	-
Subtotal	2,464,027	-	-	-	60,000,000	12,000,000	(73,170,437)	1,293,590
Grand Total	726,439,363	-	(95,787,728)	-	60,000,000	12,000,000	-	706,160,342

AS AT 31ST DECEMBER	Capital Surplus as at 01.01.2022	Transferred During the Year	Depreciation and Amortization during the year	Donations	Revenue from Non exchange transaction - Capital	Contribution to capital outlay from Project & Generated Funds	Capital Expenditure During the year	Capital Surplus as at 31.12.2022
Capital Grant Spent								
Capital Grant Spent	704,866,753		(103,993,592)	-	-	-	179,000,531	779,873,691
Subtotal	704,866,753	-	(103,993,592)	-	-	-	179,000,531	779,873,691
Capital Grant Unspent								
Rehabilitation and Improvement of Capital Assets	-	-	-	-	14,000,000	-	(14,000,000)	-
Acquisition of Fixed Assets and Constructions	-	-	-	-	40,262,766	-	(40,262,766)	-
Generated Funds for Capital Assets	1,293,590	47,667,683	-	-	-	73,528,706	(122,489,979)	-
Donations	-	-	-	1,461,390	-		(1,461,390)	-
Common Project Grants	-	-	-	-	-	786,397	(786,397)	-
Subtotal	1,293,590	47,667,683	-	1,461,390	54,262,766	74,315,103	(179,000,531)	-
Grand Total	706,160,341	-	(103,993,592)	1,461,389.80	54,262,766	74,315,103	-	779,873,691

NOTE 16 ACCUMULATED FUND - CURRENT

<i>AS AT 31ST DECEMBER</i>	2022 Rs.	2021 Rs.
-		
Balance as at 01.01.2022	913,867,790	703,379,156
Transferred from Revaluation Reserve	1,182,530	3,330,706
Transfer during the Year	(118,182,343)	(12,000,000)
Surplus / (Deficit) for the Year	275,612,886	219,157,928
Balance as at 31.12.2022	1,072,480,863	913,867,790

NOTE 17 PROJECT GRANTS

<i>AS AT 31ST DECEMBER</i>	2022 Rs.	2021 Rs.
Opening Balance	12,226,200	5,792,698
Grant Received During the year	6,427,125	8,788,468
	18,653,326	14,581,166
Less: Grant spent During the Year	(7,191,179)	(2,354,966)
Total	11,462,146	12,226,200

**NOTE 18 REVALUATION
RESERVE**

Description	Lab, Studio & Teaching Equipment	Office Equipment	Furniture & Fittings	Computer & Network Equipment	Electric & Maintenance Equipment	Motor Vehicles	Building	Books & Periodicals	Software	Total Rs.
Balance as at 01.01.2022	18,532,925	21,829,608	14,026,516	55,504,607	6,243,424	13,425,000	-	-	2,335,000	131,897,080
Add: Additions During The year Due to Revaluation	-	-	-	-	-	-	788,353,881	27,312,629	-	815,666,510
Less: Transferred to Current Surplus Due to De- recognition of Assets - Normal Disposal	(4,406)	(194,943)	(62,572)	(920,610)	-	-	-	-	-	(1,182,530)
Ending Balance as at 31.12.2022	18,528,519	21,634,665	13,963,944	54,583,996	6,243,424	13,425,000	788,353,881	27,312,629	2,335,000	946,381,060

NOTE 19 RESTRICTED FUNDS

AS AT 31ST DECEMBER	2022 Rs.	2021 Rs.
BIT Award	63,901	61,189
Allocation for BIT Development	53,850,458	43,776,427
Prof V.K. Samaranayaka Award	254,927	253,457
Prof V.K. Samaranayaka Endowment Fund	20,248,750	18,863,543
Donor Fund for Disabled Student	30,054	30,054
Allocation for Research & Development	165,653,252	157,776,863
JICA Award	164,078	164,078
THA De Zoysa Award	302,827	269,864
Allocation for Equipment Replacement	2,315,411	2,315,411
Best e-Lerner Award	336,438	345,595
Staff Development Allocation	18,002,347	16,631,473
Virtusa Academic Excellence	379,552	358,679
Shorea Robustra Scholarship - 1	840,693	824,963
Shorea Robustra Scholarship - 2	898,570	858,507
Allocation for Student's Distress	9,735,927	7,992,286
Best Performance Award -Zebra	178,814	177,855
Best Performance Award -IFS	170,642	173,683
Best Performance Award -Sampath Bank	178,311	176,199
Prof.Mohan Munasinghe Award -1	70,703	73,475
Prof.Mohan Munasinghe Award -2	76,032	72,389
ICTA Award	134,678	132,382
Research Laboratory	5,118,168	-
David Peiris Medal	817,818	786,700
Mrs. Soma Gunathilake Memorial Award	290,229	276,677
Mrs. Wimala Jayarathne Memorial Award	313,251	291,155
Scholarship from Other Parties	35,000	35,000
Bond Value Recovery A/C	52,677,860	28,953,250
Allocation for Medical Scheme	4,174,080	7,025,426
Allocation for UCSC Infrastructure Development	1,873,346	2,410,329
TOTAL	339,186,121	291,106,911

NOTE 20 INTER UNIT CURRENT ACCOUNTS
Rs.

<i>AS AT 31ST DECEMBER</i>	Undergraduate	ADMTC	Postgraduate	EDC	CSC	ICTer	eLC	Projects (Common)	Total
Debit Entries									
Undergraduate	-	-	213,099,507	119,387,342	15,238,516	-	1,923,382	133,887	349,782,634
Postgraduate	-	224,750	-	-	5,545,063	-	-	434,000	6,203,813
EDC	-	-	5,037,101	-	-	-	18,115,446	-	23,152,547
CSC	-	-	-	6,649,778	-	-	106,480	1,290,860	8,047,118
ADMTC	11,166,325	-	-	2,008,558	557,952	-	-	-	13,732,835
eLC	-	2,500	-	-	-	-	-	-	2,500
ICTer	190,326	-	100,000	-	-	-	5,000	-	295,326
Projects (Common)	-	125,534	-	1,089,500	-	-	327,662	-	1,542,696
Total	11,356,651	352,784	218,236,608	129,135,178	21,341,531	-	20,477,970	1,858,747	402,759,469
Credit Entries									
Undergraduate	-	11,166,325	-	-	-	190,326	-	-	11,356,651
Postgraduate	213,099,507	-	-	5,037,101	-	100,000	-	-	218,236,607
EDC	119,387,343	2,008,558	-	-	6,649,778	-	-	1,089,500	129,135,178
CSC	15,238,516	557,952	5,545,063	-	-	-	-	-	21,341,531
eLC	1,923,381	-	-	18,115,446	106,480	5,000	-	327,662	20,477,969
ADMTC	-	-	224,750	-	-	-	2,500	125,534	352,784

Projects (Common)	133,888	-	434,000	-	1,290,860	-	-	-	1,858,748
ICTer	-	-	-	-	-	-	-	-	-
Total	349,782,634	13,732,835	6,203,813	23,152,547	8,047,118	295,326	2,500	1,542,696	402,759,469

NOTE 21 SEGMENT INFORMATION

Year Ended 31st December 2022	Undergraduate	Postgraduate	External Degree Centre	Computing Service Centre	e Learning Centre	Advance Digital Media Technology Centre	Projects	ICTer Conference	Total
Government Grant	399,605,000	-	-	-	-	-	-	-	399,605,000
Course Income	-	87,805,999	123,644,513	664,000	7,412,050	2,456,000	-	-	221,982,561
Bursary Grant	5,195,400	-	-	-	-	-	-	-	5,195,400
Interest Income	15,518,197	44,460,844	59,628,425	5,318,434	13,724,343	2,087,600	2,946,440	750,990	144,435,272
Project Grant	-	-	-	-	-	-	6,818,615	-	6,818,615
Consultancy and Other Service Income	-	-	-	18,543,038	3,675,000	543,500	-	-	22,761,538
Other Income	27,613,294	1,040,439	2,245,044	108,950	7,199,311	306,614	6,706,313	1,287,500	46,507,464
Total Revenue	447,931,891	133,307,281	185,517,981	24,634,422	32,010,704	5,393,714	16,471,367	2,038,490	847,305,850
Personnel Emoluments	304,234,101	264,075	567,895	-	906,167	-	-	-	305,972,237
Traveling	148,525	36,876	6,349	2,530	6,590	1,861	-	2,070	204,800
Supplies	15,401,855	441,387	3,611,796	247,848	29,638	65,155	-	-	19,797,680
Contractual Services	39,818,863	163,245	804,292	101,177	244,170	33,782	-	-	41,165,528
Retirement Benefits	63,658,550	27,653	4,891	-	122,799	-	-	-	63,813,893
Other Recurrent Expenditure	20,688,522	87,676,867	62,728,347	14,639,350	9,168,495	2,472,214	6,840,737	1,838,552	206,053,084

Bursary Payments	5,195,400	-	-	-	-	-	-	-	5,195,400
Total Expenses	449,145,815	88,610,102	67,723,570	14,990,906	10,477,859	2,573,012	6,840,737	1,840,622	642,202,623
<i>Surplus/ (Deficit)</i>	<i>(1,213,924)</i>	<i>44,697,179</i>	<i>117,794,411</i>	<i>9,643,517</i>	<i>21,532,845</i>	<i>2,820,701</i>	<i>9,630,630</i>	<i>197,868</i>	<i>205,103,227</i>
Total Assets	1,858,815,341	875,012,145	744,902,554	83,882,411	164,165,346	20,459,511	95,899,152	10,288,874	3,853,425,335
Total Liabilities	481,816,399	133,218,605	49,550,682	9,410,396	1,103,952	13,763,373	6,723,020	299,314	695,885,740

NOTE 21 SEGMENT INFORMATION CONT.

Undergraduate Programme (UG)- UG unit conducts undergraduate academic activities of UCSC.

Postgraduate Programme (PG) – PG unit conducts postgraduate degree programmes and facilitates research activities of UCSC.

External Degree Programme (EDC) - EDC conducts the Bachelor of information Technology external degree programme of UCSC.

Computing Service Center (CSC) – CSC conducts training programs, providing consultancy services and related activities.

E Learning Center (e LC) - eLC facilitates the digital transformation of the teaching-learning process by integrating e-learning practices. It is a service center of UCSC, to support undergraduate, postgraduate and external and extension degree programmes.

Advance Digital Multimedia Technology Center (ADMTC) – ADMTC conducts training programs related to advanced multimedia Technologies and web design.

ICTer Conference - International Conference of Advances in ICT for Emerging Regions (ICTer) will be held every year by UCSC. The aim of the conference is the presentation of selected papers. In addition, the conference will include several keynote addresses by leading personalities of international repute in the domains of Computer Science and ICT. The conference will include several pre and post-conference workshops conducted by top experts in the cutting-edge areas of Computer Science and Information and Communication Technology.

Common Projects - This unit consists of various external project related activities.

Total Assets and Total Liabilities of the segment report included intercompany current Account Balances

NOTE 22 OTHER DISCLOSURES

22.1 UCSC is an Institute which was established under Ordinance No. 01 of 2002 and is located inside the premises of University of Colombo. The address of the land is No. 35, Reid Avenue, Colombo 07. This land belongs to the University of Colombo, 94, Cumaratunga Munidasa Mawatha. Colombo 03. Hence, the University of Colombo School of Computing has not recognized land value in the books of accounts.

22.2 There are no material events occurring after the reporting period that require adjustment or disclosure in the financial statements

22.3 Invoiced Amount of Rs. 107,500/= were written off with the recommendation of Audit Committee during the year under the CSC – CDF Unit.

22.4 Donation

During the year UCSC received Rs.1, 461,389.80 worth of Multi-Spectrum Camera as a Donation from Uppsala University, Sweden.

22.5 Assets Disposal

During the year Value of Rs. 20,596.68, Furniture and Fittings were donated to IDH Hospital and Value of Rs. 1,384,653.24 assets were disposed of during the year 2022. These assets consisted of Furniture and Fittings, Office Equipment, Computer and Network Equipment and Laboratory, Studio and Teaching Equipment.

22.6 Two ex- employees, namely, Mr. S A D S P Jayathilaka and Mr. S D Muthukudaarachchi have filed cases against UCSC and UCSC filed a case against Mr. S J Paheerathan. Court proceedings are being continued. Details are given in the table below:

S/N	Name of the Complainer	Case	Case Filed by	Court	Current status
1	Mr. SADSP Jayathilake Former Lecturer (Probationary), UCSC	LT2/ 473/2014	Mr. SADSP Jayathilake Former Lecturer (Probationary), UCSC	Labour Tribunal	Case Lay-by
2	UCSC	DMR/07902/10	UCSC	District Court - Colombo	In progress
3	UCSC	MC Cases No:24024/01/20 15 41686/01/2015 41685/01/2015	Fraud Bureau	Colombo Chief Magistrate's Court	In Progress
4	Mr. SD Muthukudaarachchi	08/857/2015	Mr. SD Muthukudaarachchi	Labour Tribunal	In Progress

22.7 The following academic staff members have violated the bond agreements as mentioned below and at present UCSC has taken steps to recover outstanding.

Sn	Name & Designation of Bond Violator	Nature of Termination & Date of Termination	Bond Value according to the original Agreement (Rs.)	Total Value of Bond & Other Dues to the UCSC (Rs.)	Amount Received as at 31.12.2022 (Rs.)	Due amount as at 31.12.2022 (Rs.)	Action which have been taken During the year to Recover Dues
1.	Mr. SJ Paheerathan	Vacation of Post 11.01.2004	3,221,250.55	3,615,837.00	2,338,974.59	1,276,862.41	Legal action has been taken. The proposed settlement plan was received in November 2022 through the Mr. Paheerathan's Lawyer. Terms of reference were discussed at the Board of Management and as advised by the Board of Management UCSC response was sent to the AG's Department to submit to the court.
2.	Mr. HM Siriwardana Lecturer (Probationary)	Vacated of Post 01.01.2018	2,619,437.40	4,781,357.50	2,014,638.93	2,766,718.57	This matter was placed before the Bond Violation Committee of the UOC and waiting for their recommendation and upon the recommendation will be taken further action.
4.	Mr. RAHD Perera Lecturer (Probationary)	Vacated of Post 28.11.2021	8,106,416.10	10,477,068.10	9,134,000.39	1,343,067.71	Mr. Perera has given his consent to recover the due amount using the UPF and Pension Balance. Since there are sufficient balances available in UPF & Pension, the funds release documents submitted to the UGC & waiting to

							receive the due amount.
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NOTE 23 RELATED PARTY TRANSACTION

No related party transactions were identified during the year except inter unit current account transactions.

NOTE 24 UCSC CONTRIBUTION

During the year Extension program and projects have been transferred Rs. 73.52Mn. as UCSC contribution to the Undergraduate Unit (UG) to cover capital expenditure and spent 47.67 Mn. from UCSC reserves for the capital expenditure.

NOTE 25 RE-CLASSIFICATION OF INCOME STATEMENT 2021

- *Income Statement of the year 2021 has been re-classified by adding revenue and expenditure of the extension programs and Projects on the advice of Auditor General Report 2021. Previously, it has been taken in to consider only net revenue of the above programs. Accordingly, there is no impact to the Total Surplus for the year 2021 and the presentation of the figures changed as follows.*

Description	Before Re- classified	After Re- classified
Revenue from Non Exchange Transactions - Current		
Government Grant for Recurrent Expenditure	392,180,000	392,180,000
Grant for Student Bursary	4,946,100	4,946,100
<i>Total Revenue from Non Exchange Transactions - Current</i>	<i>397,126,100</i>	<i>397,126,100</i>
Revenue from Exchange Transaction- Current		
Generated Income Transferred from other Units	45,114,079	-
Interest Income	6,104,264*	64,205,222**
Other Income	6,526,299	7,879,624***
Actuarial Gain	13,419,164	13,419,164
Disposal Profit	417,164	417,164
Net Revenue from Extension Program	126,840,148	-
Net Revenue from Projects	2,082,828	-
Revenue from Extension Program	-	231,917,287
Revenue from Projects	-	3,935,989
<i>Total Revenue from Exchange Transaction- Current</i>	<i>200,503,946</i>	<i>321,774,450</i>
<i>Total Revenue- Current</i>	<i>597,630,046</i>	<i>718,900,550</i>
Revenue from Non Exchange Transactions - Capital		
Government Grant for Capital Expenditure	60,000,000	60,000,000
<i>Total Revenue from Non Exchange Transactions- Capital</i>	<i>60,000,000</i>	<i>60,000,000</i>

Revenue from Exchange Transactions - Capital		
Transferred from Generated Income	12,000,000	-
<i>Total Revenue from Exchange Transactions- Capital</i>	<i>12,000,000</i>	<i>-</i>
<i>Total Revenue - Capital</i>	<i>72,000,000</i>	<i>60,000,000</i>
<i>Total Revenue</i>	<i>669,630,046</i>	<i>778,900,550</i>
Operating Expenditure - Current		
Personal Emoluments	269,779,146	269,779,146
Travelling Expenses	173,702	173,702
Supplies	6,408,431	6,408,431
Contractual Services	29,179,386	29,179,386
Retirement Benefits	56,584,275	56,584,275
Other Recurrent Expenses	13,809,787	13,809,787
Mahapola & Bursary Payment	4,946,100	4,946,100
Non Moving Items - Write Off	139,461	139,461
Disposal Loss	6,181,485	6,181,485
FAR-Write Off	2,730,344	2,730,344
Transferred to Common Project	-	1,565,542
Expenditure for Extension Courses	-	103,513,693
Expenditure for Projects	-	4,191,268
<i>Total Operating Expenditure - Current</i>	<i>390,472,118</i>	<i>499,742,622</i>
Non-Operating Expenditure		
Depreciation & Amortization Expenses	95,787,728	95,787,728
<i>Total Non-Operating Expenditure</i>	<i>95,787,728</i>	<i>95,787,728</i>
Total Expenses	486,259,847	595,530,350
Total Surplus Deficit for the Year	183,370,199	183,370,199
Current Surplus/ (Deficit) for the Year	207,157,928	219,157,928
Capital Surplus/ (Deficit) for the Year	(23,787,728)	(35,787,728)

***Only interest Income of the Undergraduate Unit**

****Interest Income of the Extension programs and Projects including Undergraduate Unit**

***** UCSC contributions received from IS program and common project amounts respectively Rs.821,700/= and Rs. 531,625/= were added to other Income after re-classified.**

In addition, provision amount of Rs. 2,777,807.31 which was included in the Statement of Financial Position were re-classified. It was recognized under the accruals and other payables previously. Cash flow with respect to this re- classification was also adjusted.

NOTE 26 SUSTAINABLE DEVELOPMENT GOALS DISCLOSURE

26.1 Sustainable Development Agenda Goal No. 01. No poverty, fulfills the most basic needs. To achieve this goal, Mahapola Trust Fund granted scholarships to 281 undergraduates amounting to Rs. 5.44 Mn. The University Grants Commission granted Bursaries to 146 undergraduates amounting Rs. 5.17 Mn. and UCSC granted 38 scholarships to the undergraduates amounting Rs. 1.68Mn. in the year 2022 for those who were at the lower income level.

26.2 Programs were initiated to provide Good Health and well-being to the UCSC staff. 132 No. of employees benefited under the staff medical welfare scheme in 2022 by spending Rs. 8.8Mn. This covers the Sustainable Development Agenda Goal No. 03, Good Health and Well-being. The staff

26.3 A Successful Sustainable Development Agenda Goal No. 08 Decent work and Economic Growth requires decent work opportunities for people to stimulate the economy. Accordingly, in the year 2022, University of Colombo School of Computing provided higher education for 998 youth in the country and UCSC invested an average of Rs. 600,724 per student.

26.4 To provide good quality education for youth and UCSC sustainability, well qualified teachers by facilitating teacher training through International Cooperation and Collaboration. In 2022 UCSC will spend Rs7.5Mn. on research work. This covers Sustainable Development Agenda Goal No. 04, Quality Education.

26.5 To provide quality education for youth and UCSC sustainability, increase its infrastructure facilities, refurbishment and renovation of existing buildings, facilities, etc. Accordingly, UCSC has spent Rs. 98.38 Mn. on renovation and other infrastructure facilities during the year. This also covers Sustainable Development Agenda Goal No. 04, Quality Education.

FOR THE YEAR ENDED 31ST DECEMBER		2022 Rs	2021 Rs
NOTE 27 INTEREST INCOME			
Interest on Loan and Advances		620,241	737,385
Interest on Investment	Note 27.1	139,017,873	60,663,506
Overnight Repo Interest Income		4,797,158	2,804,331
TOTAL		144,435,272	64,205,222

NOTE 27.01 INTEREST ON INVESTMENT

Undergraduate Programme (UG)	10,100,799	2,562,548
Postgraduate Programme-(PG)	44,460,844	21,430,101
External Degrees Centre -(EDC)	59,628,425	24,693,399
Computing Services Centre-(CSC)	5,318,434	2,438,896
eLearning Centre -(eLC)	13,724,343	6,350,913
Advanced Digital Media Technology Centre -(ADMTC)	2,087,600	849,542

Common Projects	2,946,440	1,899,283
ICTer Conference	750,990	438,824
	139,017,873	60,663,506

NOTE 28 OTHER INTERNAL INCOME

Miscellaneous Receipts	105,310	470,897
Undergraduate Selection Test Fees	6,464,000	2,745,769
Undergraduate Registration & ID Fee	712,450	687,700
Library Fine	7,117	1,984
Undergraduate Certificate Fee	4,960,749	1,126,714
Undergraduate Examination Fees	58,675	37,475
Undergraduate Library Fee	168,500	519,000
Undergraduate Course Fee - Foreign	2,158,192	1,183,260
Supplier Registration Fee	262,400	271,700
Non-Refundable Bid Deposits	57,000	303,500
Transferred from Project	611,273	531,625
Laboratory Fee	337,000	-
Rental Income	12,000	-
Debris Sales	752,200	-
TOTAL	16,666,866	7,879,624

FOR THE YEAR ENDED 31ST DECEMBER

2022
Rs

2021
Rs

NOTE 29 REVENUE FROM EXTENSION PROGRAMME

Postgraduate Programme- (PG)

Course Fee	82,125,000	100,080,504
Application Fee	1,233,000	1,304,225

M. Phil Registration Fee	1,145,000	2,002,500
PhD Fee	164,500	485,000
Repeat Examination Fee	715,850	392,050
Project Repeat Fee	140,000	1,600,000
M. Sc. Renewal Fee	505,000	1,430,000
Library Fee	-	1,015,000
Verification Fee	1,063,193	225,063
Transcript Fee	1,004,403	508,836
Other Fee	750,492	664,425
Subtotal	88,846,438	109,707,603

External Degrees Centre - (EDC)

Registration Fee	26,213,200	31,869,950
Surcharge Fee	228,600	7,700
Examination Fee	74,028,056	54,123,499
Application Fee	8,497,556	7,058,504
Project Fee	7,559,500	3,575,000
DIT Fee	1,988,550	894,250
HDIT Fee	1,497,000	81,500
Institute Registration	132,000	120,000
Renewal of Institute Registration	280,500	195,000
Degree Fee	3,219,550	1,434,500
Transcript Fee	1,328,097	855,778
Other Fee	916,947	693,458
Subtotal	125,889,556	100,909,139

Computing Services Centre- (CSC)

Course Fee	664,000	3,280,000
Exam-related Income	106,500	-
Consultancy Income	18,543,038	7,333,644
Miscellaneous Income	2,450	2,252

Subtotal	19,315,988	10,615,895
eLearning Centre - (eLC)		
FIT Registration Fee	7,104,500	5,942,850
e Test Income	307,550	703,800
LMS Maintenance Fee	3,568,600	270,000
e Learning Service Income	3,675,000	-
HETC Project Income	3,630,711	-
Subtotal	18,286,361	6,916,650
Advanced Digital Media Technology Centre - (ADMTC)		
Course Fee	2,456,000	2,638,000
Service Income	543,500	1,105,000
Auditorium Hiring	303,514	24,000
Miscellaneous Income	3,100	1,000
Subtotal	3,306,114	3,768,000
Grand Total of the Revenue from Extension Courses	255,644,457	231,917,287

FOR THE YEAR ENDED 31ST DECEMBER

2022

2021

Rs

Rs

NOTE 30 REVENUE FROM PROJECTS

Common Projects

Revenue from Project Grants

Language Technology Research Laboratory Programme (LTRL)	252,733	182,176
e NIC Project	1,078,973	-
HETC Project	665,600	9,230
National Dangerous Drugs Control Board (NDDCB) Project	-	63,000
Master of Cyber security: Distance Master Program in Cyber security(Cyber) Project	1,119,423	1,275,900
North Western Provincial (NWPC) (RFP) Project	-	475,875
Score lab Project	52,238	-
International Elephant Project (IEP) - ELOC	333,226	300,000
Swedish Research Link Project	982,331	48,785
IIOE Course Co-development Project	1,307,695	-
Dialog 5 G Project	240,000	-
Other Income	393,563	-
Exchange Gain	6,312,749	-
Subtotal	12,738,531	2,354,966

ICTer Conference

Conference Registration Fee	1,087,500	931,023
Sponsorship Fee	200,000	650,000
Subtotal	1,287,500	1,581,023
Grand Total of the Revenue from Projects	14,026,031	3,935,989

<i>FOR THE YEAR ENDED 31ST DECEMBER</i>	<i>2022</i>	<i>2021</i>
	<i>Rs</i>	<i>Rs</i>

NOTE 31 PERSONAL EMOLUMENTS

Salaries and Wages	131,369,027	127,210,091
Other Allowance	2,310,619	1,877,962
Academic Allowance	80,419,620	72,910,264
Special Allowance	19,207,021	16,671,927
Research Allowance	21,401,157	16,892,109
Cost of Living Allowance	17,067,600	16,643,370
Overtime & Holiday Pay	2,238,577	1,910,294
Monthly Compensation Allowance (MCA)	19,171,320	15,663,129
Acting Allowance	108,300	-
Monthly Allowance	10,940,860	-
TOTAL	304,234,101	269,779,146

<i>FOR THE YEAR ENDED 31ST DECEMBER</i>	<i>2022</i>	<i>2021</i>
	<i>Rs</i>	<i>Rs</i>

NOTE 32 TRAVELING EXPENSES

Traveling Expenses - Local	148,525	173,702
TOTAL	148,525	173,702

NOTE 33 SUPPLIES

Stationery & Office Requisites	12,097,306	5,622,319
Fuel & Lubricants	1,491,071	674,302
Uniforms & Tailoring Charges	32,400	10,800
Mechanical & Electrical Goods	1,781,078	101,010
TOTAL	15,401,855	6,408,431

NOTE 34 CONTRACTUAL SERVICES

Maintenance - Vehicles	577,790	442,872
Maintenance - Plant Machinery and Equipment	5,883,953	2,874,331
Maintenance - Buildings & Structures	557,082	578,938
Maintenance - Other	75,925	150,809
Communication Services	9,645,346	9,238,842
Electricity Services	12,812,682	7,892,107
Printing & Advertising	1,504,639	998,449
Cleaning Services	5,784,878	5,089,954
Security Services	2,259,838	2,256,693
Water	381,454	165,515
Rent & Hire Charges	-	14,750
Insurance & License	335,275	16,128
TOTAL	39,818,863	29,719,386

NOTE 35 RETIREMENT BENEFITS

University Provident Fund	25,232,981	24,675,534
Employees' Trust Fund	7,451,138	6,878,722
Employees' Provident Fund	253,899	287,468
Pension	11,187,420	9,184,504
Gratuity	19,533,113	15,558,047
TOTAL	63,658,550	56,584,275

FOR THE YEAR ENDED 31ST DECEMBER**2022****2021****Rs****Rs****NOTE 36 OTHER RECURRENT EXPENDITURE**

Holiday Warrant & Season Tickets	596,390	132,480
Special Services	2,320,753	1,443,427
Committee & Council	982,000	1,260,500
Newspapers & Periodicals	60	23,190
Student Welfare	22,000	196,000
Employee Welfare	-	183,701
Audit Fees	820,000	550,000
Entertainment Expenses	2,253,244	495,230
Hostel -Expense	536,488	107,371
Hostel -Rent	2,665,875	2,641,500
Visiting Lecture Fee	449,250	567,000
Rates & Taxes	-	69,724

Subscriptions, Contributions, & Membership Fee	120,267	140,000
Staff Development	52,000	547,000
Property Loan Interest	183,486	113,831
Bank Charges	8,100	12,150
Bank Commission Charges	42,440	27,390
Examination Expenses	6,896,159	4,429,940
Awards & Indemnities	222,500	89,600
Workshops & Seminars	1,193,000	627,385
Student new Initiatives	169,695	-
Quality Assurance	99,214	-
Social Security Contribution Levy	159,732	-
Postal Charges	185,281	152,369
TOTAL	19,977,935	13,809,787

NOTE 37 EXPENDITURE OF EXTENSION PROGRAMME

Postgraduate Programme-(PG)

Salaries & Wages	264,075	333,726
Traveling	36,876	100
Stationery & Other supplies	441,387	279,355
Printing & Advertising	163,245	378,634
Equipment Maintenance	-	46,872
Employees' Provident Fund	22,122	35,217
Employees' Trust Fund	5,531	8,804
Expenses for Academic Activities	28,762,690	36,068,946
Payment for Staff Involvements	1,910,348	1,687,593
Refreshment	1,335,205	163,145
Allocation for Research & Development	2,132,612	2,147,084
Allocation of Student Distress Fund	487,500	406,250
Staff Development	2,200,000	-
Staff Medical Insurance Scheme	3,025,000	-
Other Overhead expenses	688,970	206,564
Subtotal	41,475,561	41,762,292

NOTE 37 EXPENDITURE OF EXTENSION PROGRAMME

Postgraduate Programme-(PG)

Salaries & Wages	264,075	333,726
Traveling	36,876	100
Stationery & Other supplies	441,387	279,355
Printing & Advertising	163,245	378,634
Equipment Maintenance	-	46,872
Employees' Provident Fund	22,122	35,217

Employees' Trust Fund	5,531	8,804
Expenses for Academic Activities	28,762,690	36,068,946
Payment for Staff Involvements	1,910,348	1,687,593
Refreshment	1,335,205	163,145
Allocation for Research & Development	2,132,612	2,147,084
Allocation of Student Distress Fund	487,500	406,250
Staff Development	2,200,000	-
Staff Medical Insurance Scheme	3,025,000	-
Other Overhead expenses	688,970	206,564
Subtotal	41,475,561	41,762,292

FOR THE YEAR ENDED 31ST DECEMBER	2022 Rs	2021 Rs
External Degrees Centre -(EDC)		
Salaries & Wages	65,217	479,887
Overtime	502,678	317,955
Traveling	6,349	1,600
Stationery & Other supplies	3,611,796	1,239,545
Plant Machinery & Equipment Maintenance	-	14,300
Communication	95,440	195,905
Printing & Advertising	708,852	426,465
Employees' Trust Fund	978	13,533
Employees' Provident Fund	3,913	54,130
Expenses for Academic Activities	33,245,919	24,053,612
Refreshments	116,800	178,938
Payment for Indirect Staff Involvements	1,382,595	1,494,928
Allocation for staff Medical Insurance Scheme	1,312,500	3,000,000
Allocation for BIT Development	5,901,540	10,034,325
Allocation of Student Distress Fund	885,231	1,003,433
Other Overhead Expenses	2,179,143	414,162
Subtotal	50,018,951	42,922,718
Computing Services Centre- (CSC)		
Co-ordinator Allowance	43,750	115,000
Traveling	2,530	150
Stationery & Other supplies	247,848	73,457
Communication & Postage	98,812	87,571

Printing & Advertising	2,365	1,740
Expenses for Academic Activities	285,966	3,152,050
Refreshments	472,875	118,185
Staff Development	-	119,120
Expenses on Consultancy Services	8,682,000	4,498,360
Expenses on Projects	1,358,067	42,993
Exam Related Expenses	52,000	-
Other Overhead Expenses	1,329,335	1,103,193
Social Security Contribution Levy	31,537	-
Subtotal	12,607,085	9,311,819

eLearning Centre - (eLC)

Salaries & Wages	680,584	1,798,593
Monthly Allowance	88,118	-
Cost of Living Allowance	137,465	93,600
Traveling	6,590	1,030
Stationery & Other supplies	29,638	55,279
Communication Expenses	243,330	233,280
Maintenance Expenses	-	93,546
Printing Charges	840	-
Employees' Trust Fund	20,793	35,941
University Provident Fund	94,180	62,685
Employees' Provident Fund	7,826	93,615
e Test Expenses	3,730,084	1,778,528
Coordinator Fee	78,130	-
Other Expenses	-	408
Refreshments	191,915	122,890
BIT Learning Content Expenses	2,794,975	1,510,370
e Learning Service Expenses	1,742,633	-

Social Security Contribution Levy	20,008	-
Bank Charges	100	-
Disposal Loss	-	322,008
Subtotal	9,867,209	6,201,771

FOR THE YEAR ENDED 31ST DECEMBER	2022	2021
	Rs	Rs
Social Security Contribution Levy	20,008	-
Bank Charges	100	-
Disposal Loss	-	322,008
Subtotal	9,867,209	6,201,771
Social Security Contribution Levy	20,008	-
Bank Charges	100	-
Disposal Loss	-	322,008
Subtotal	9,867,209	6,201,771
Advanced Digital Media Technology Centre - (ADMTC)		
Traveling	1,861	280
Stationery & Office Requisites	65,155	144,376
Telephone & Internet Charges	19,775	25,379
Printing	4,675	32,505
Advertising	3,832	-
Rent & Hire Charges	5,500	-
Refreshments	43,103	27,362
Payment to Staff	1,565,823	2,862,000
Coordinator Fee	75,630	-
Staff Development	-	102,690
Social Security Contribution Levy	29,604	-
Refund of Course Fee	500	120,500
Subtotal	1,815,458	3,315,093
Grand Total of the Expenditure for Extension Programme	115,784,264	103,513,693

NOTE 38 EXPENDITURE FOR PROJECTS

Common Projects

Language Technology Research Laboratory Programme (LTRL)	252,733	182,176
HETC Project	665,600	9,230
National Dangerous Drugs Control Board (NDDCB) Project	-	63,000
Master of Cybersecurity: Distance Master Program in Cybersecurity(Cyber) Project	1,119,423	1,275,900
North Western Provincial (NWPC) (RFP) Project	-	475,875
International Elephant Project (IEP) - ELOC	333,226	300,000
Swedish Research Link Project	806,339	48,785
IIOE Course Co-development Project	1,307,695	-
Dialog 5G Project	240,000	-
Employees' Provident Fund	-	50,974
Employees' Trust Fund	-	13,331
Other Expenses	22,122	66,034

Exchange Loss	-	171,732
Subtotal	4,747,138	2,657,037

<i>FOR THE YEAR ENDED 31ST DECEMBER</i>	2022	2021
	Rs	Rs

ICTer Conference

Traveling	2,070	1,670
ICTer Journal	-	95,000
Conference Expenses	1,549,136	1,321,332
Refreshments	257,005	105,834
Bank Charges	1,473	-
Social Security Contribution Levy	30,938	-
Printing	-	6,378
Over Provision Write Off	-	4,017
Subtotal	1,840,622	1,534,231

Grand Total of the Expenditure for Projects

6,587,760	4,191,268
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NOTE 39 DEPRECIATION AND AMORTIZATION

Furniture & Fittings	5,026,624	5,045,995
Laboratory, Studio & Teaching Equipment	5,227,675	8,982,431
Office Equipment	11,637,589	13,184,942
Electricity Connection	2,402,335	2,402,336
Water Supply System	2,280,840	2,280,840
Computer & Network Equipment	22,365,862	26,523,394
Electrical & Maintenance Equipment	653,222	935,980
Library Books and Periodicals	588,989	723,995
Rehabilitation & Improvement of Capital Assets	2,633,889	3,232,013
Vehicles	2,290,000	2,290,000
Buildings	39,360,950	28,103,434
	94,467,975	93,705,361
Software Amortization	9,525,618	2,082,367
Total	103,993,592	95,787,728

**7.UCSC
HIGHLIGHTS
2022 -
VISIBILITY,
EVENTS AND
ACTIVITIES**

7.UCSC HIGHLIGHTS 2022 – VISIBILITY, EVENTS AND ACTIVITIES

The UCSC Web site is the main portal to communicate the key highlights of the institute. In 2022, UCSC web site has further improved considering the main theme of the University of Colombo. It has a dual-domain URL, namely <http://www.ucsc.cmb.ac.lk> and <http://www.ucsc.lk>. All major activities and events taken place monthly are informed to the Board of Management and the Senate of the University of Colombo to maintain the visibility of progress and issues of institutes. The UCSC website is also linked with social networks to update the activities of the organization to the public. Because of the world pandemic most of UCSC meetings, lectures and other academic activities were carried out using zoom facilities. Following table shows the key highlights of 2022 with respect to each month.

7.1 MONTHLY HIGHLIGHTS - ACTIVITIES, EVENTS, AND PROGRAMMES

Month	Activities
January, 2022	- General Computing Test (Online) was held on 5th for new applicants of the MPhil/ PhD in Computing programme [PRP] - Conducted Mobile App Development Training and Certification Course on 6th by HUAWEI Mobile Services (HMS) for UCSC students [PDC] - Awarded 13 certificates on 8th who has completed the short course on Hybrid Mobile Application Development with Flutter [CSC] - Commenced on a new batch of short Course on Java Application Development using JavaSE on 15th [CSC] - Commenced on a new batch of short course on Data Science with Python on 23rd [CSC] - Felicitation Ceremony of ICTer2020/2021 on 27th [PRP] - Awards Ceremony of the Diploma and the Higher Diploma of the BIT Degree Programme- 2019 was held on 29th [EDC] - Ceremonial Graduation of the External Degrees of the University of Colombo- 2019 was held at Professor V K Samaranayake Auditorium on 30th. [EDC & EXAM] - Undergraduate examinations of Semester II started on the 31st . [EXAM]
February, 2022	- Research Seminar was conducted on 25th February by Dr. Dharshana Kasthurirathna, Senior Lecturer, SLIIT (PRP) - Visited the representative of the World Bank to see the progress of ICE/AHEAD project on 28th Feb - Submitted the 2021 Annual Financial Statements, Draft Annual Report and Board of Survey Report to the Auditor General on 28th . - Published UCSC Newsletter (7th volume, no .2) in February [ADMTC & Library]

March, 2022	• Guest Talk on Molecular Communication on 4th March by Mr. Samitha Somathilaka, PhD Researcher, Walton Institute, Waterford Institute of Technology, Carriganore, Waterford. • Extended the project duration of ICE/ AHEAD on 7th March for 3 months from 31st March 2022 [PRP] • Commencement of Master Programmes 1st/ 3rd examinations on 19th & 20th [PRP] • A half-day workshop on “ Programme Review 2020 was held on 31st [QAC] • Internal Undergraduate examinations of Semester I were held from 28th February to 25th March [EXAM] • FIT e-test was held from 21st to 31st March 2022.[ELC] • External Undergraduate examinations of Semester I, II, III and IV were held in Colombo, Galle, Kandy and Jaffna on 5th, 6th, 12th, 13th, 19th, 20th, 26th and 27th March [EXAM]
April, 2022	• Commencement of short course on Advanced Multimedia Web Design and Development Techniques on 3rd April with 13 students [ADMTC] • Released the FIT exam results on 7th [eLC]. • External Undergraduate examinations of Semester VI were held on 9th and 10th in Colombo, Galle, Kandy, and Jaffna [EDC/EXAM] • Final Year Research Project Presentation were held from 26th to 28th April for Computer Science, Software Engineering and Information Systems degree programmes
May, 2022	• Registration of new undergraduate for the 2020/2021 intake on 5th [EXAM] • BIT Semester 4 examinations in Colombo, Galle, Kandy and Jaffna and Master's Examinations semester 1 & 3 were held on 7 & 8 May [EDC, PRP & EXAM] • Conducted FIT eTest examination and Industrial Placement Evaluation on 9th May [eLC/PDC] • The Master's Examinations semester 1 was held on 21st [PRP & EXAM] • Started a training course on 22nd May on Linux system administration for the medical supplies division of Ministry of Health [CSC] • The Master's Examinations semester 3 was held on 22nd [PRP & EXAM] • Commencement of Orientation Programme for new undergraduate students from 23rd to 31st May • BIT Software Development Project evaluations from 26th to 31st May [EDC & EXAM]
June, 2022	• Dr. DAS Atukorale was assumed duties as the new Director/UCSC on 1st June • Commencement of 2nd & 4th Semester lecture sessions on 4th and 5th June in hybrid mode for Masters Programme[PRP] • Inauguration of new undergraduate students for academic year 2020/2021 was held on 6th June[APW] • Commencement of academic activities on 7th June for all undergraduate programmes for all years in hybrid mode [APW] • Completed a Moodle LMS Installation and Administration Course on 10th June for Sri Lanka Navy [ELC] • Launch of 'SLAYS Cycle to Work' on 18th June initiative by SLAYS Sri Lanka Academy of Young Scientists • Hold the Ceremonial Opening on 20th for renovated 1st floor (East Wing) of the UCSC building by the Vice Chancellor and the Registrar of UoC • Program Review workshop was held on 24th by IQAC/UCSC conducted for the Domain Coordinators of PR 2020 • Short-term training course on Linux system administration for the Medical Supplies Division of Ministry of Health was completed on 26th June and awarded 6 certificates[CSC] • Project Viva examination of the BIT Program was held [EDC] • 4th Year Subject Selections of CS/IS programmes [EXAM] • Conducted FIT e-test for 154 applicants [ELC]

July, 2022	• General Convocation 2020 of UCSC UG students was held on 24th July • Postgraduate convocation 2019 of UCSC PG students was held on 29th • Conducted selection interviews for the BIT degree programme and Project Viva of the BIT Program in July[EDC] • Published the results of the undergraduate examinations of the semester 1 and 2 of Year 1/3/4 in July [EXAM] • Tech talk sessions were conducted in July by Dialog Axiata PLC, SimCentric Technologies (Pvt) Ltd, LSEG, Ai Palette Pte Ltd, Information Systems Associates (Pvt) Ltd, IFS International R&D Pvt Ltd, Virtual Hub and gtngroup.com [PDC]
August, 2022	• FIT eTest examination was conducted online from 2-5 August for 111 students [eLC] • Commencement of short course on Graphic Design & Creativity Development on 6th [ADMTC] • Commencement of short course on Advanced Multimedia Web Design and Development Techniques on 7th [ADMTC] • Published the pass list of Diploma in Information Technology 2021 on 16th [EXAM] • Formal proposal defense of MPhil in Computing was conducted on 17th [PRP] • Submitted the content of the IIOE's video course section 3 & 5 on 21st August to UNESCO-ICHEI [eLC] • Review meeting with Ms Sherry from UNESCO-ICHEI on 22nd and agreed to sign an amendment to the agreement of the video course development project [eLC] • The FIT eTest exam results were released on 24th . 90 students got eligible for the BIT degree registration [eLC]
September, 2022	• 20th Anniversary Celebrations of the UCSC was held on 1st chaired by the Vice Chancellor, UOC • Released the results of Higher Diploma in Information Technology (HDIT) 2021 on 8th Sep[EXAM] • Meeting with the Subject Matter Experts of the Pre-University Online English Language Course was held on 16th [eLC] • Released the results of Bachelor of Information Technology (BIT) 2021 on 22nd [EXAM] • Award Ceremony of Diploma and Higher Diploma in Information Technology was held on 23rd chaired by the Vice Chancellor [EDC & EXAM] • Conducted a Learning Content Authoring Workshop on 23rd with the BIT Semester 5 Subject Matter Experts [eLC] • Convocation Ceremony of Bachelor of Information Technology (BIT) held on 24th at the Prof. VK Samaranayake Auditorium [EDC & EXAM] • A full-day workshop on “ Programme Review 2020/2022” was held on 30th [QAC] • Inter-Faculty Freshers' Tournament 2022 and Trophy of Computing” Cricket Tournament 2022 were held in September • Competition for Young Computer Scientist 2022 was held in September
October, 2022	• Aptitude Test held on 2nd October for the Selection of Candidates for the Information Systems (IS) Undergraduate Degree Programme -Academic Year 2021/2022 [EXAM] • Postgraduate Convocation held on 12th[UOC] • Released Supplementary Pass Lists of undergraduate programme on 15th [EXAM] • Released the pass list and the award list of Bachelor of Information Technology (BIT) – 2021 on 31st [EXAM] • Examinations of undergraduate Semester 1, postgraduate Semester 2 & 4 and Undergraduate Group Project II evaluations were held during October[EXAM]

November, 2022	● Certificate Course on Java Application Development using JavaSE commenced on 5th with 29 students [CSC]. ● Selection Test for Master Degree Programmes 2022/2023 Intake on 5th [EXAM & PRP] ● Published the results of Selection Test - Master new intake 2022/2023 on 10th [PRP] ● Certificate course on Advanced Multimedia Web Design and Development Techniques (Batch III of 2022) was completed on 13th [ADMTC] ● Interviews for selection of Master new intake 2022/2023 on 19th & 20th [PRP] ● The second semester academic activities was started on 21st [APW] ● Pre-conference workshop - “Well, making a chatbot isn’t that hard”: Build Your Own AI Chatbot” was held on 29th November ● Inauguration of ICTer2022 and 1st day of the International Conference was held on 30th November
December, 2022	● ICTer2022 - 2nd day of the International Conference on 1st December ● Post Conference workshops were held on 2nd December ○ Workshop 1 “AWS SageMaker Immersion Day with Dialog MLOps and The Future zone” ○ Workshop 2 “Delay Tolerant Fog Computing Architectures and Applications” ● Conducted FIT practical test on 13th & 14th December[ELC] ● General Convocation 2021 was on 14th December [UOC] ● School children of Marassana National School, Kandy visited the UCSC on 29th December[ADMTC] ● Conducted workshop on 30th December to design assessments for the Pre-University English Language Course [ELC] ● 1st and 2nd year registration of Master Programmes were held in December[PRP] ● Training course on Data science with python was completed and awarded 12 certificates in December[CSC]

8. AUDIT REPORT

8.Audit Report

My No: HED/B/UCSC/2022/FA/02

Date:31 May 2023

Director

University of Colombo School of Computing

Report of the Auditor General on Financial Statements of the University of Colombo School of Computing for the Year ended 31 December 2022 and on Other Legal and Regulatory Requirements under Section 12 of the National Audit Act No. 19 of 2018

The above report is attached herewith.

W.M.P.A. Fonseka

Deputy Auditor General

Copies: - 01. Secretary - Ministry of Education
 02. Secretary - Ministry of Finance, Economic Stabilization & National Policies
 03. Chairman - University Grants Commission
 04. Vice Chancellor - University of Colombo

My No: HED/B/UCSC/2020/FA/02

Date:31 May 2023

Director,

University of Colombo School of Computing.

Report of the Auditor General on Financial Statements of the University of Colombo School of Computing for the Year ended 31 December 2022 and on Other Legal and Regulatory Requirements under Section 12 of the National Audit Act No. 19 of 2018

1. Financial Statements

1.1 Opinion

The audit of the financial statements of the University of Colombo School of Computing affiliated to the University of Colombo for the year ended 31 December 2022 comprising the statement of financial position as at 31 December 2022 and the statement of financial performance, statement of changes in equity and cash flow statement for the year then ended, and notes to the financial statements, including a summary of significant accounting policies, 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 with provisions of Section 12 of the National Audit Act, No.19 of 2018 read in conjunction with Section 23 of the University of Colombo School of Computing Ordinance No. 1 of 2002, imposed under Sub-Section 107 (5) and Section 18 of the Universities Act No. 16 of 1978, and Section 108 (1) of the Universities Act. The report of the Auditor General in pursuance of provisions in Article 154 (6) of the Constitution will be tabled in Parliament in due course.

In my opinion, the financial statements of the institution give a true and fair view of the financial position as at 31 December 2022, and its financial performance and cash flows for the year then ended in accordance with Sri Lanka Public Sector Accounting standards.

1.2 Basis for Opinion

I conducted my audit in accordance with Sri Lanka Auditing Standards (SLAuSs). My responsibilities, under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of my report. I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my qualified opinion.

1.3 Other Information included in the Annual Report 2022 of the Organization

Information, included in the Annual Report - 2022 of the Institution obtained by me prior to the date of this audit report, but not included in the financial statements and my audit report in relation to the financial statements is called as the other information. Management is responsible for the other information.

My opinion on financial statements does not cover any other information and I do not express any kind of assurance or opinion on it.

In relation to my audit on the financial statements, it is my responsibility to read the other information identified above and to consider in reading so whether other information is quantitatively inconsistent with the financial statements according to my knowledge obtained during the audit or otherwise.

If, I conclude that this other information has been materially misstated based on the other information I have obtained and the work I have performed prior to the date of this audit report, I should report that matter. I have nothing to report in this regard.

1.4 Responsibilities of Management and Those Charged with Governance for the Financial Statements

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

In preparing the financial statements, management is responsible for assessing the Institution's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intend to liquidate the Institution or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Institution's financial reporting process.

As per Section 16 (1) of the National Audit Act No. 19 of 2018, the Institution is required to maintain proper books and records of all its income, expenditure, assets and liabilities, to enable annual and periodic financial statements to be prepared of the Institution.

1.5 Auditor's Responsibility on the Audit of the Financial Statements

My objective is to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes my opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Sri Lanka Auditing Standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually

or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with Sri Lanka Auditing Standards, I exercise professional judgment and maintain professional scepticism throughout the audit. I also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for my opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit 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 Company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the management.
- Conclude on the appropriateness of the management's use of the going concern basis of accounting and based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If I conclude that a material uncertainty exists, I am required to draw attention in my auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify my opinion. My conclusions are based on the audit evidence obtained up to the date of my auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.

- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

I communicate with those charged with governance regarding, among other matters significant audit findings, including any significant deficiencies in internal control that I identify during my audit.

2 **Report on Other Legal and Regulatory Requirements**

2.1 Specific provisions are included in the following requirements of the National Audit Act, No. 19 of 2018.

2.1.1 I have obtained all the information and explanation that required for the audit and as far as appears from my examination, proper accounting records have been kept by the Institution as per the requirement of Section 12 (a) of the National Audit Act, No. 19 of 2018.

2.1.2 The financial statements presented is consistent with the preceding year as per the requirement of Section 6 (1) (d) (iii) of the National Audit Act, No. 19 of 2018.

2.1.3 The financial statements presented includes the recommendations made by me in the previous year as per the requirement of Section 6 (1) (d) (iv) of the National Audit Act, No. 19 of 2018.

2.2 Based on the procedures performed and evidence obtained were limited to matters that are material, nothing has come to my attention;

2.2.1 to state that any member of the governing body of the Institution has any direct or indirect interest in any contract entered into by the Institution which are out

of the normal cause of business as per the requirement of section 12 (d) of the National Audit Act, No. 19 of 2018.

- 2.2.2 to state that the Institution has not complied with any applicable written law, general and special directions issued by the governing body of the Institution as per the requirement of section 12 (f) of the National Audit Act, No. 19 of 2018 except for the following observation;

References to Laws, Rules / Directives	Observation
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----- The State Accounts Circular No. 30/94 dated 20 April 1994 and the letter No. SC&PMU/Grant/19 dated 25 July 2019 of the Director General of Department of External Resources.	----- Action had been taken to obtain foreign grants, totalling to Rs. 47,383,610 received during the period from the year 2014 to 31 December 2022 to the institution directly.
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- 2.2.3 to state that the Institution has not performed according to its powers, functions and duties as per the requirement of section 12 (g) of the National Audit Act, No. 19 of 2018.
- 2.2.4 to state that the resources of the Institution had not been procured and utilized economically, efficiently and effectively within the time frames and in compliance with the applicable laws as per the requirement of section 12 (h) of the National Audit Act, No. 19 of 2018.

2.3 Other Matters

- (a) It had been unable even by the last date of the year under review to recover a total of Rs. 5,386,649 from the three lecturers, who had left the service in relation to the period of 01 year to 18 years and violated the bond.
- (b) It had been unable to settle debtor balances totaling to Rs. 5,612,400 related to the period of 2 years to 6 years and debtor balances totaling to Rs. 564,390 related to the period of 02 years to 08 years and to settle allocations for electricity amounting to Rs. 1,342,332 from the year 2020.

W.P.C. Wickramaratne

Auditor General

Answers for the Report of the Auditor General on Financial Statements of the University of Colombo School of Computing for the Year ended 31 December 2022 and Other Legal and Regulatory Requirements under Section 12 of the National Audit Act No. 19 of 2018

1. Financial Statements

1.1 Opinion

Noted down.

1.2 Basis for Opinion

Noted down.

1.3 Other Information included in the Annual Report 2022 of the Organization

Noted down.

1.4 Responsibilities of Management and Those Charged with Governance for the Financial Statements

Noted down.

1.5 Auditor's Responsibility on the Audit of the Financial Statements

Noted down.

2. Report on Other Legal and Regulatory Requirements

Audit Observation	Answer
2.1 Specific provisions are included in the following requirements of the National Audit Act, No. 19 of 2018.	Noted down.
2.1.1 I have obtained all the information and explanation that required for the audit and as far as appears from my examination, proper accounting records have been kept by the Institution as per the requirement of Section 12 (a) of the National Audit Act, No. 19 of 2018.	Noted down.
2.1.2 The financial statements presented is consistent with the preceding year as per the	Noted down.

requirement of Section 6 (1) (d) (iii) of the National Audit Act, No. 19 of 2018.	
2.1.3 The financial statements presented includes the recommendations made by me in the previous year as per the requirement of Section 6 (1) (d) (iv) of the National Audit Act, No. 19 of 2018.	Noted down.
2.2 Based on the procedures performed and evidence obtained were limited to matters that are material, nothing has come to my attention;	Noted down.
2.2.1 to state that any member of the governing body of the Institution has any direct or indirect interest in any contract entered into by the Institution which are out of the normal cause of business as per the requirement of section 12 (d) of the National Audit Act, No. 19 of 2018.	Noted down.
2.2.2 to state that the Institution has not complied with any applicable written law, general and special directions issued by the governing body of the Institution as per the requirement of section 12 (f) of the National Audit Act, No. 19 of 2018 except for the following observation; (a) The State Accounts Circular No. 30/94 dated 20 April 1994 and the letter No. SC&PMU/Grant/19 dated 25 July 2019 of the Director General of Department of External Resources. Observation Action had been taken to obtain foreign grants, totalling to Rs. 47,383,610 received during the	I agree with the above observation according to the information currently available in the Department of Postgraduate

period from the year 2014 to 31 December 2022 to the institution directly.	Research and Projects of the University of Colombo School of Computing (UCSC). This was considered in the 74th Auditor General's Committee meeting of the University of Colombo School of Computing and it was decided to inform the Department of External Resources when foreign grants are received in future projects. Accordingly, the staff of the University of Colombo School of Computing has also been informed about this.
2.2.3 to state that the Institution has not performed according to its powers, functions and duties as per the requirement of section 12 (g) of the National Audit Act, No. 19 of 2018.	Noted down.
2.2.4 to state that the resources of the Institution had not been procured and utilized economically, efficiently and effectively within the time frames and in compliance with the applicable laws as per the requirement of section 12 (h) of the National Audit Act, No. 19 of 2018.	Noted down.

2.3 Other Matters

Audit Observation	Answers
(a) It had been unable even by the last date of the year under review to recover a total of Rs. 5,386,649 from the three lecturers, who had left the service	● Mr. S.J. Paheeradhan, Lecturer Amount received on 31.12.2022 - Rs.2,338,974.59 Outstanding amount as at 31.12.2022- Rs.1,276,862.41

	The case has been negotiated for settlement and an agreement on the terms of the settlement is to be reached. The next hearing has been scheduled on 22.08.2023 and it is anticipated to reach a final agreement and to settle the case accordingly. • Mr. H.M. Siriwardena, Lecturer (Probationary) Amount received on 31.12.2022 - Rs.2,014,638.93 Outstanding amount as at 31.12.2022- Rs.2,766,718.57 • All documents required to take legal action to recover the bond balance that should be further recovered from Mr. H.M. Siriwardena have been handed over to the lawyer. Accordingly, it is expected to file a lawsuit and recover the existing balance through court proceedings. • Mr. R.A.H.D. Perera, Lecturer (Probationary) Amount received on 31.12.2022 - Rs.9,134,000.39 Outstanding amount as at 31.12.2022- Rs.1,343,067.71 All necessary activities to recover the amount to be recovered from Mr. R.A.H.D. Perera from the provident fund have been completed and the relevant documents have been handed over to the University Grants Commission. It is expected that this amount will be recovered within a very short period of time.
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(b) It had been unable to settle debtor balances totaling to Rs. 5,612,400 related to the period of 2 years to 6 years and debtor balances totaling to Rs. 564,390 related to the period of 02 years to 08 years and to settle allocations for electricity amounting to Rs. 1,342,332 from the year 2020.	The Total balances amounting to Rs. 5,612,400 included in expenses payable is have been arranged as follows and necessary activities to examine and settle it will be carried out during the year. - Career Fair 2016 Rs.98,349.00 This is a balance saved from sponsorship allowances received by students for their Career Fair programme. Accordingly, a part of this balance will be spent for student distress allocations and the rest will be incurred in the future for other student affairs programmes by getting the proper approval. - DMS Electrical (Bid Security) Rs.10,000.00 The necessary steps will be taken in the year 2023 to investigate this further and carry out the related repayment activities. - Refundable Library Deposit MSC Rs.3,740,000.00 & Refundable Library Deposit M.Phil. Rs.77,500.00 The audit information about the students following postgraduate degrees at the University of Colombo School of Computing is mentioned below. - Refundable Library Deposit MSC- Rs.3,740,000.00 - Refundable Library Deposit M.Phil.- Rs.77,500.00 The said information is being urgently looked into by the Department of Post-Graduate Studies, and at the 75th Management Committee meeting held on 16.05.2022, it was decided to contact the
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	relevant students immediately and to settle the relevant retention money on their request. Furthermore, the possibility of entering the money of the students, who do not request the retention money, as income to the UCSC account will be examined in the future and further action will be taken accordingly. - Network Operating Centre Rs.423,500.00 It is expected to utilize this balance in the future. - Other Payables- Undergraduates - Rs.95,000.00 This has been presented this manner as it was an unidentifiable deposit. If request is not made or method of identification is not available for this deposit by the end of 2023, steps will be taken to identify the income. - Canteen Deposit of Rs.75,000.00 This is a security deposit made for the student canteen and arrangements will be made to release it in the year 2023 after receiving the request of the depositor. - CDF Receivables Rs.564,390.00 According to the audit query, the total of the debtor balances amounting to Rs.564,390.00, which had been old for 02 to 08 years as at 31.12.2022, was the money to be charged for the provision of services related to judicial affairs. Among them, the amount of Rs.5,000.00 existed under the invoice number CSC/CDF/2015/017 to
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	be recovered from Ratnapura MC had been received on 02.02.2023 and action is being taken continuously to recover the other receivable cash balances. Accordingly, the relevant reminder letters have been re-sent on 30.05.2022 and reminders are being made constantly over the phone. Accordingly, the necessary activities are being carried out further to promptly recover the current long-term recoverable balance of Rs.559,390.00. - Provision for Electricity Rs.1,342,332.00 A provision has been made for this electricity expenditure to pay for obtaining electricity supply through the University of Colombo before getting a direct electricity supply for the University of Colombo School of Computing. Since the payments had been finalized, this allocation will be removed from the ledger in the year 2023.
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Dr. Ajantha Athukorala
Director