



**UNIVERSITY OF COLOMBO
SCHOOL OF COMPUTING**

ANNUAL REPORT

2023

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 2023 of the University of Colombo School of Computing (UCSC) with great pleasure. As a center of excellence in teaching and learning in computing in the country, 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 2023. Almost all activities were performed physically compared to last few years due to Covid-19 pandemic, and we are pleased to report that nearly all activities at the UCSC had been completed successfully for the year 2023.



In 2023, 346 internal undergraduate students, who got the opportunity to be enrolled through the UGC selection process, started their first-year academic activities in June 2023. Other than this, UCSC provided Computer Science courses for 1087 undergraduates of the Faculty of Science of the University of Colombo. UCSC was able to produce 278 graduates in the areas of 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 3067 new students got the opportunity to be registered in 2023. UCSC was able to conduct all semester exams of the BIT programme during the months of June and July 2023. UCSC was able to release the results of final year students, and 150 students received BIT degrees. At the same time, 754 students received the Diploma of Information Technology, and 306 students received the Higher Diploma of Information Technology during the external degree convocation and external degree awards ceremony for the year 2022. UCSC was able to register for the master's degree programme in December 2022 and the new batch of 211 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. Some planned activities of infrastructure development were also postponed to 2024 due to operational and funding 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 2023, UCSC was forced to spend around 7 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 the 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 within the first 50 in the list of computing education institute ranking in the south Asian region. [**Education**]
2. To exceed 100 interdisciplinary research papers published in refereed journals including at least 25 in indexed journals annually. [**Research**]
3. To uplift the standard of professionalism among students and the staff. [**Quality**]
4. To enhance the capacity of infrastructure facilities and human capital. [**Development**]
5. To Enhance the institutional image in the South Asian Region. [**Governance**]
6. To be the leading contributor to the promotion of computing education and applications in the society. [**Responsibility**]

Table of Contents

Vision	i
Mission	i
Director’s Review	ii
Goals	iii
At a Glance – Key Performance Indicators (KPIs) of UCSC (2019-2023)	ix
1. Governance	1
1.1 Officers of the UCSC	1
1.2 Authorities	2
1.2.1 BOARD OF MANAGEMENT (BOM).....	2
1.2.2 FINANCE AND MANAGEMENT COMMITTEE (FMC).....	2
1.2.3 AUDIT COMMITTEE (AC)	3
1.2.4 ACADEMIC SYNDICATE.....	3
1.2.5 BOARDS OF STUDY	5
1.2.5.1 Board of Internal Undergraduate Degrees (BOS-IUD)	5
1.2.5.2 Board of Research and Higher Degrees (BOS-RHD)	7
1.2.5.3 Board of External and Extension Programmes (BOS - EEP)	7
1.2.6 DEPARTMENTS OF STUDY	8
1.2.6.1. Department of Computation & Intelligent Systems (Cis)	8
1.2.6.2. Department of Communication & Media Technologies (Cmt)	8
1.2.6.3. Department of Information Systems Engineering (Ise)	8
1.2.7 CENTRES	9
2. Education	16
2.1 Undergraduate Education	16
2.1.1 INTERNAL UNDERGRADUATE DEGREE PROGRAMMES... 16	
2.1.2 ACADEMIC YEAR – 2021/2022 AND STUDENT ENROLMENT	
17	
2.1.3 ACADEMIC TIME TABLE FOR THE YEAR 2023	17
2.1.4 STUDENT PERFORMANCES AT EXAMINATION.....	18
2.1.5 INDUSTRIAL PLACEMENT.....	19
2.1.6 UNDERGRADUATE STUDENT WELFARE.....	19

2.1.7	UCSC STUDENT UNION	23
2.1.8	STUDENT ACTIVITIES	23
2.1.9	STUDENT ACHIEVEMENTS	26
2.1.9.1.	Extracurricular	26
2.1.10	GRADUATION 2023	26
2.1.11	UNDERGRADUATE AWARDS	28
2.1.12	EMPLOYABILITY	29
2.2	Postgraduate Studies.....	30
2.2.1	MASTER DEGREE PROGRAMME.....	30
2.2.1.1	Masters Degrees	30
2.2.1.2	Enrolment	31
2.2.1.3	Staff Participation	31
2.2.1.4	Graduation of Masters Programme	32
2.2.1.5	Masters Programme Development	33
2.2.1.6	Research Degrees – Mphil and Phd Programmes	33
2.3	External Degree & Extension Courses.....	34
2.3.1	BACHELOR OF INFORMATION TECHNOLOGY (EXTERNAL) DEGREE PROGRAMME.....	34
2.3.1.1	Student Performance – 2023	34
2.3.1.2	BIT Teaching Institutes	34
2.3.1.3	BIT External Degree Graduation and Diploma Awards	35
2.3.1.4	Convocation Awards	36
F.Z. Ilyas	36
2.3.1.5	Employability	37
2.3.2	EXTENSION COURSES	37
2.3.3	ONLINE EXTENSION PROGRAMMES	37
2.3.4	FOREIGN STUDENTS	38
3.	Research	40
3.1	Research, Innovation, and Publications	40
3.1.1	UNDERGRADUATE LEVEL RESEARCH PROJECTS	40
3.1.2	MASTERS LEVEL PROJECTS	40

3.1.3	PROJECTS OF RESEARCH DEGREES	41
3.1.4	FUNDED RESEARCH PROJECTS	41
3.1.4.1	Internal Research and Development Projects	41
3.1.4.2	Research Projects Funded by External Parties	43
3.1.5	ALLOCATION FOR RESEARCH THROUGH POSTGRADUATE PROGRAMME AND UTILIZATION	43
3.1.6	RESEARCH GROUPS AT UCSC	44
3.1.7	RESEARCH PUBLICATIONS AND AWARDS.....	46
3.1.7.1	Awards for Research During 2023	47
3.1.7.2	Keynote/Invited Speeches of UCSC Staff	48
3.1.8	INTERNATIONAL CONFERENCE - ICTER 2023.....	49
3.1.9	INTERNATIONAL JOURNAL – ICTER	50
3.1.10	RESEARCH PUBLICATIONS – 2023.....	51
3.1.10.1	Journal Publications – 2023	51
3.1.10.2	Conference Publication – 2023	53
3.1.10.3	Book Publication – 2023	56
4.	Human Resources – Academic and Non-Academic	58
4.1	UCSC Cadre	58
4.2	Overall Profile of the UCSC Staff.....	59
4.3	Recognition of UCSC Staff	59
4.4	Staff Development And Training	60
4.4.1	MEDICAL SUPPORT SCHEME.....	61
4.4.2	WELFARE SOCIETY OF UCSC	61
5.	Institutional Development	63
5.1	Quality Assurance and Accreditation.....	63
5.2	Infrastructure Development.....	64
5.2.1	CAPITAL PROJECTS – 2023.....	64
5.3	Development of the Institutional Recognition	65
5.3.1	Outstanding Awards For Staff Members	65
5.3.2	CONTRIBUTIONS FROM UCSC STAFF MEMBERS.....	66
5.4	Ucsc Contribution To Sustainable Development Goals (Sdg) – 2023 ..	67

5.4.1	SUSTAINABLE DEVELOPMENT GOALS (SDG).....	67
5.4.2	UCSC CONTRIBUTION TO SUSTAINABLE DEVELOPMENT GOALS (SDG) FOR THE YEAR 2023.....	67
6.	Finance	75
6.1	Recurrent Expenditure	75
6.2	Capital Expenditure	75
6.3	Consultancy And Research Projects (Externally Funded)	76
6.4	Analysis Of Financial Support And The Generated Income.....	77
6.4.1	FINANCIAL PERFORMANCE ANALYSIS.....	77
6.4.2	ANALYSIS OF THE FINANCIAL DETAILS OF THE UNDERGRADUATE PROGRAMME.....	78
I.	STATEMENT OF FINANCIAL POSITION.....	79
II.	STATEMENT OF FINANCIAL PERFORMANCE	80
III.	STATEMENT OF CHANGES IN EQUITY.....	81
IV.	STATEMENT OF CASH FLOWS	82
V.	POLICIES TO THE FINANCIAL STATEMENTS	83
VI.	NOTES TO THE FINANCIAL STATEMENTS.....	96
7.	Ucsc Highlights 2023 – Visibility, Events And Activities	126
7.1	Monthly Highlights - Activities, Events, And Programmes	126
8.	Audit Report	127

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:

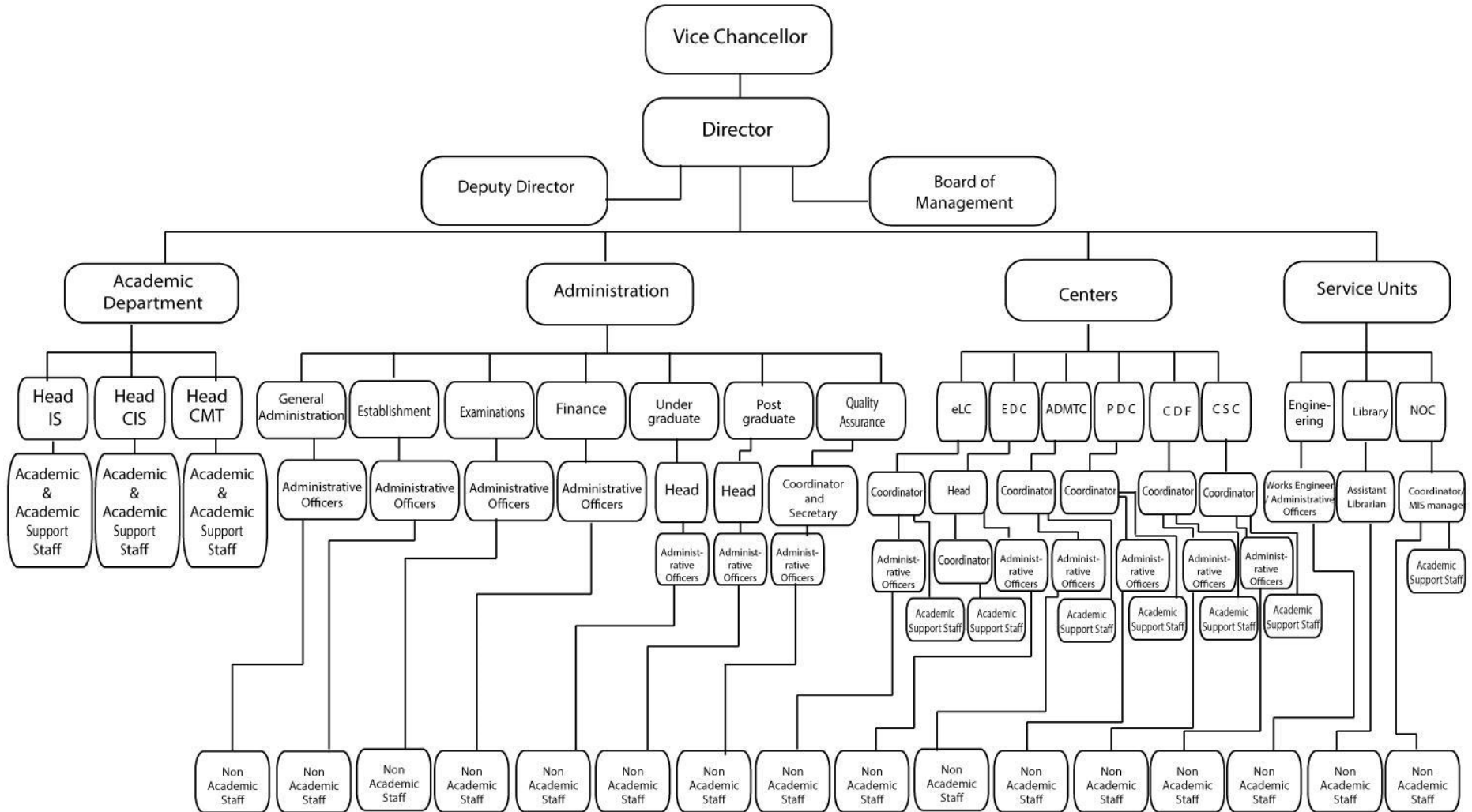
- Advanced Digital Media Technology Centre (ADMTC);
- Computing Services Centre (CSC);
- Center for Digital Forensics (CDF)
- External Degrees Centre (EDC);
- E-Learning Centre (e LC);
- Professional Development Centre (PDC);

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

Organization Structure of UCSC - 2023

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 (2019-2023)

		2023	2022	2021	2020	2019
Education (Enrolled/Graduated)						
Internal Undergraduates	All	1087	1036	997	929	899
	In	347	335	347	293	297
	Out	278	262	267	250	237
Science Undergraduates		2080	1215	1157	972	1043
Diploma in Information Technology (DIT) (External)	All	4245	4101	2933	2649	2373
	In	3067	3786	2158	2416	2142
	Out	Ongoing	754	491	575	651
Higher Diploma in Information Technology (HDIT) (External)	All	1245	899	1128	1804	1634
	In	885	1048	1361	1548	1365
	Out	Ongoing	306	313	274	120
Bachelor of Information Technology (BIT) (External)	All	643	687	1034	1248	862
	In	130	133	300	289	174
	Out	Ongoing	150	207	350	284
Postgraduates	All	326	493	478	501	426
	In	211	210	280	270	258
	Out	180	57	184	126	185
Extension Programs		565	135	220	347	551
Foreign Students		3	11	14	14	
Research						
Research (MPhil/PhD)	All	13/07	20/06	23/08	28/08	35/08
	In	00/02	02/00	04/02	02/00	03/03
	Out	01/02	01/00	02/01	03/00	03/01
Research Projects	All	16	20	18	12	21
	New	12	10	12	02	09
Publications		65	73	65	61	56
No. of Publications: No. of Academic Staff Members		65:50	73:53	65:61	61:46	
No. of Citations		6841	6463	6205	4829	
Consultancy/R&D Projects						
Local		23	14	13	7	15
Social Responsibility Programs		8	7	5	13	11

		2023	2022	2021	2020	2019
Governance						
Permanent Academic Staff	All	51	52	58	46	47
	Professors	08	08	05	03	03
	PhD	30	29	29	28	27
	Masters	09	09	10	09	06
Permanent Academic Support Staff		13	14	15	06	06
Temp Academic Staff (Instructors & Asst. Lect.)		44	44	32	39	43
Permanent Admin and Non-Ac Staff		59	62	62	62	52
Contract Staff (including casual & trainee)		21	20	25	41	56
Research/Project Staff		36	36	23	17	16
Finance						
Annual Recurrent Expenditure (Millions LKR)		602	572	555	520	586
Treasury Grant (Recurrent) (Millions LKR)		387	405	392	358	337
Treasury Grant (Capital) (Millions LKR)		25	54	60	23	69
Generated Income		309	281	299	249	289
UCSC Contribution to UG (Millions LKR) (Generated %)		205 (33%)	169 (27%)	22 (5%)	30 (7%)	91 (18%)
UCSC Budget (Millions LKR)		1,243	756	917	903	679
Research/Project (Millions LKR)		9.2	27.71	12.8	9.3	9.8
Cost per Employee (LKR '000s) per annum		1,893	1,906	1,640	1,564	1,692
Cost per Student (LKR '000s) – Recurrent		447	428	386	507	450
Infrastructure						
Library Books		8,714	8,758	8,780	8,825	9,073
Computers: staff		1:1	1:1	1:1	1:1	1:1
Computers: students (General students)		1:4	1:4	1:4	1:4	1:4
Space Utilization (employee) (sq. m.)		11.27	10.84	11.09	11.1	10.9
Space Utilization (student) (sq. m.)		3.43	3.02	4.20	3.39	4.5

1. GOVERNANCE

1. GOVERNANCE

During the year 2023, the organizational activities were carried out based on the Strategic Plan for 2023-2027 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 prioritize the activities in approved action plan for 2023 and shift some of them to 2024 due to the limited financial allocations. The UCSC faced many difficulties to recruit employees due to the government restrictions. However, the UCSC was able to conduct its undergraduate, postgraduate, external degree and other academic activities as planned through maximum utilization of available physical and human resources. ICTer international conference was conducted, of which the expenses were covered from the sponsorships received

The Management of the UCSC is coordinated by the Director of the UCSC with the assistance of the Deputy Director, Heads of the Academic and Administrative Departments. 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	Dr. D.A.S. Atukorale	
Deputy Director	Prof. T.N.K. De Zoysa	
Heads	Dr. C.I. Keppitiyagama	Department of Computation and Intelligent Systems (CIS)
	Prof. T.N.K. De Zoysa	Department of Communication and Media Technologies (CMT)
	Prof. M.G.N.A.S. Fernando (till 31/05/2023) Mr. W.V. Welgama (from 01/06/2023)	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, & Mr. A.R.W.M.U.N. Senevirathne (from 15/11/2023)	
Coordinators	Dr. S.S.P. Matara Arachchi	Advanced Digital Media Technology Centre (ADMTC)
	Prof. T.N.K. De Zoysa	Centre for Digital Forensics (CDF)
	Dr. H.K.T.C. Halloluwa (till 09/07/2023) Dr. (Mrs) S.M.K.D. Arunathilleka (from 10/07/2023)	Computing Services Centre (CSC)
	Dr. M.I.E. Wickramasinghe	e-Learning Centre (eLC)
	Mr. W.V. Welgama	External Degrees Centre (EDC)
	Dr. P.V.K.G. Gunawardena	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)

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/General Administration and Establishments, 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 13 BOM meetings via blended mode, including a special BOM meeting held on 23.02.2023 for the matters with respect to obtaining approval for submitting the Financial Statements - 2022, UCSC Annual Report 2022, and the Final Report of the Annual Verification of Assets - 2022 to the Auditor General and the Secretary to the Ministry of Education.

Ex- Officio Members	
• Director	Dr. D.A.S. Atukorale (P-13)
• Deputy Director & Head of CMT	Prof. T.N.K. De Zoysa (P-12 & E-01)
• Nominee, Secretary of Higher Education	Mr. L.P.H. Waduge (P-07 & E-03 - till 14.09.2023) Mr. S.L.H. Gamage (P-01 & E-01 - from 05.10.2023)
• Nominee, Ministry of Finance	Ms. D.H.S. Pullaperuma (P-13)
• Dean, Faculty of Science	Snr. Prof. D.U.J. Sonnadara (P-10 & E-03)
• Head of ISE	Prof. M.G.N.A.S. Fernando (P-05 & E-01 - till 31.05.2023) Mr. W.V. Welgama (P-05 & E-01 - from 01.06.2023)
• Head of CIS	Dr. C.I. Keppitiyagama (P-13)
Appointed Members	
• Members, UOC Council (02)	Prof. S. Karunaratne (P-01 - till 29.01.2023) Mr. J.M.U.B. Jayasekara (E-01 - till 29.01.2023) Mr. Kusal De Silva (P-10 & E-01 - From 08.02.2023) Mr. Jayavilal Meegoda (P-11 - From 08.02.2023)
• Members, UOC Senate (02)	Snr. Prof. J.K.D.S. Jayanetti (P-10 & E-03) Prof. Pavithra Kailasapathy (P-12 & E-01)
• Nominees, UGC (02)	Mrs. C. Mubarak (P-09 & E-01) Dr. Upali Mampitiya (P-01 - till 15.01.2023) Mr. T.G.J. Amarasena (P-07 & E-02 - from 16.01.2023)
• Representatives, IT Industry (02)	Mr. Saman Perera (P-09 & E-04) Dr. Romesh Ranawana (P-08 & E-05)
• Nominees, Academic Syndicate (03)	Dr. (Mrs.) T.A. Weerasinghe (P-13) Mr. K.P.M.K. Silva (P-13) Mr. W.V. Welgama (P-02 - till 02.02.2023) Dr. M.I.E. Wickramasinghe (P-07 & E-01 - from 04.05.2023)

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 04 times during the year 2023 and the Director/UCSC chaired the meetings.

Chairman	Dr. D.A.S. Atukorale (P-4)
Deputy Director / Head CMT	Prof. T.N.K. De Zoysa (P-2) (E-2)
Board Nominees	Snr. Prof. D.U.J. Sonnadara (P-3) (E-1) Prof. Pavithra Kailasapathy (P-4) Mrs. C. Mubarak (P-3)
Head of the Departments Head ISE Head CIS	Prof. M.G.N.A.S. Fernando (P-2) Mr. W.V. Welgama (P -2) Dr. C.I. Keppitiyagama (P-2) (E -2)
Deputy Registrar	Ms. S.D. Chandralatha (P-3) (E 1) Ms. J.A.M.S. Wijerathne (Actg.P-1)
Deputy Bursar	Mr. E.M. Gunarathna (P-1) Mrs. V.G.M. Priyangika (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 from 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, 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 2023 are given with respect to each member.

Chairman	Mr. Kusal De Silva (P-4)
Board Nominees	Mr. L.P.H. Waduge (E-3) Ms. D.H.S. Pullaperuma (P-3) (E-1)
Rep of Auditor General	Ms. S.M.C. Indika (P-4)
Internal Auditor/University of Colombo	Mr. K.E.W. Jayasiri (P-1) (E-2) Ms. N.P. De Silva (P-1)
Rep /Ernst &Young Auditors	Ms. Randika Silva (P-4)
Director (Observer)	Dr. D.A.S. Atukorale (P-4)
Deputy Director (Observer)	Prof. T.N.K. De Zoysa (P-4)

P-Present, E-Excused

1.2.4 ACADEMIC SYNDICATE

The Academic Syndicate was held monthly during the year 2023. 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.

S.N.	Name	Attendance of 12 Nos. of Syndicate Meetings			
		Present	Absent	Excused	Leave
1	Dr. D.A.S. Atukorale, Senior Lecturer Gr. I, Director	10		2	
2	Prof. T.N.K. De Zoysa, Head/RHD, Deputy Director	11		1	
3	Dr. C.I. Keppitiyagama, Senior Lecturer Gr. I, Head/IUD	10	2		
4	Mr. W.V. Welgama, Senior Lecturer Gr. I, Head/EEP	11		1	
5	Prof. K.P. Hewagamage, Professor	10		2	
6	Prof. G.K.A. Dias, Professor	11		1	
7	Prof. K.L. Jayaratna, Professor				12
8	Prof. D.D. Karunaratne, Professor		5		7
9	Prof. G.D.S.P. Wimalaratne, Professor				12
10	Prof. M.G.N.A.S. Fernando, Professor	5			7
11	Prof. (Ms.) M.D.J.S. Goonetillake, Professor	1		1	10
12	Dr. A.R. Weerasinghe, Senior Lecturer Gr. I				12
13	Dr. D.N. Ranasinghe, Senior Lecturer Gr. I	7	2	3	
14	Dr. T. Sritharan, Senior Lecturer Gr. I	10	1	1	
15	Mr. G.P. Seneviratne, Senior Lecturer Gr. I	11	1		
16	Dr. H.A. Caldera, Senior Lecturer Gr. I				12
17	Dr. M.W.A.C.R. Wijesinghe, Senior Lecturer Gr. I, [Coordinator/QAC]	11		1	
18	Dr. (Mrs.) S.M.K.D. Arunatileka, Senior Lecturer Gr. II [Coordinator/CSC with effect from August 2023]	8	1	3	
19	Dr. M.D.R.N. Dayaratne, Senior Lecturer Gr. II	11		1	
20	Mr. K.P.M.K. Silva, Senior Lecturer Gr. II	7		5	
21	Dr. H.E.M.H.B. Ekanayake, Senior Lecturer Gr. II	9		3	
22	Dr. (Mrs.) T.A. Weerasinghe, Senior Lecturer Gr. II,	11		1	
23	Dr. M.I.E. Wickramasinghe, Senior Lecturer Gr. II [Coordinator/eLC]	9		3	
24	Dr. (Ms) K.H.E.L.W. Hettiarachchi, Senior Lecturer Gr. II	12			
25	Dr. P.V.K.G. Gunawardana, Senior Lecturer Gr. II [Coordinator/PDC]	9	1	2	
26	Dr. B.H.R. Pushpananda, Senior Lecturer Gr. II	9		3	
27	Dr.(Mrs) H.N.D. Thilini, Senior Lecturer Gr. II	12			
28	Dr. (Mrs) L.N.C. De Silva, Senior Lecturer Gr. II	10		2	
29	Dr. S.S.P. Matara Arachchi, Senior Lecturer Gr. II [Coordinator/ ADMTC]	9		3	

30	Dr. H.K.T.C. Hallolluwa, Senior Lecturer Gr. II [Coordinator/CSC till June 2023]	6			6
31	Dr. K.A.K.T. Karunanayaka, Senior Lecturer Gr. II	7	1	4	
32	Dr. (Mrs.) M.G.D.K. Fernando, Senior Lecturer Gr. II	10		2	
33	Dr. A.P. Sayakkara, Senior Lecturer Gr. II	9		3	
34	Ms. P.G.M.P. Gamage, Asst. Librarian	8	1	3	
35	Prof. R.D. Wijesekara, Nominee/ Faculty of Science, UOC	9	1	2	
36	Mr. Dilan Rajapakse, Head of Engineering at Randoli	7		5	
37	Mr. Mangala Perera, Chief Operating Officer, Root Code	9		3	

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 regulations of the University. Minutes of all formal meetings held during 2023 are approved and documented. Formal members of the Academic Syndicate and their participation statistics are given below.

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 2023, 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 the 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	Dr. D.A.S. Atukorale, Senior Lecturer Gr. I, Director	11		1
2	Prof. T.N.K. De Zoysa, Deputy Director, Head/CMT	12		
3	Dr. C.I. Keppitiyagama, Senior Lecturer Gr. I Head/CIS	12		
4	Prof. M.G.N.A.S. Fernando, Head/ISE till June (Sabbatical leave)	5		
5	Mr. W.V. Welgama, Senior Lecturer Gr. I, Head/ISE from June, Coordinator/CS	10	1	1
6	Dr. B.H.R. Pushpananda, Senior Lecturer Gr. II, Secretary BOS/ IUD	11	1	
7	Prof. K.P. Hewagamage, Advisor/ QAC	10	1	1

8	Prof. G.K.A. Dias, Professor	11	1	
9	Dr. D.N. Ranasinghe, Senior Lecturer Gr. I	7	5	
10	Dr. T. Sritharan, Senior Lecturer Gr. I	11		1
11	Mr. G.P. Senevirathne, Senior Lecturer Gr. I	7	2	3
12	Mr. K.P.M.K. Silva, Senior Lecturer Gr. II	6	1	5
13	Dr. (Ms.) S.M.K.D. Arunatilake, Senior Lecturer Gr. II	9		3
14	Dr. M.D.R.N. Dayarathne, Senior Lecturer Gr. II	11	1	
15	Ms. M.W.A.C.R. Wijesinghe, Senior Lecturer Gr. I	11		1
16	Dr. H.E.M.H.B. Ekanayake, Senior Lecturer Gr. II, Coordinator/ IS	10		2
17	Dr. (Ms.) T.A. Weerasinghe, Senior Lecturer Gr. II	8		4
18	Dr. (Ms.) K.H.E.L.W. Hettiarachchi, Senior Lecturer Gr. II	10		2
19	Dr. P.V.K.G. Gunawardana, Senior Lecturer Gr. II	8	3	1
20	Dr.(Ms.) H.N.D. Thilini, Senior Lecturer Gr. II	9	1	2
21	Dr. (Ms.) L.N.C. De Silva, Senior Lecturer Gr. II	12		
22	Dr. M.I.E. Wickramasinghe, Senior Lecturer Gr. II, Coordinator/SE	8	1	3
23	Dr. S.S.P. Matharaarachchi, Senior Lecturer Gr. II, Coordinator/ADMTC	8		4
24	Dr. K.A.K.T. Karunanayaka, Senior Lecturer Gr. II	6	2	4
25	Dr. (Ms.) M.G.D.K. Fernando, Senior Lecturer Gr. II	6	1	5
26	Dr. A.P. Sayakkara, Senior Lecturer Gr. II	9	1	2
27	Dr. R.A.C. Ranasinghe, Senior Lecturer (On Contract) From June	6		1
28	Mr. P.D. Liyanage, Senior Lecturer (On Contract) From June	6	1	
29	Mr. R.M.U.A. Rathnayake, Lecturer	6	2	4
30	Dr. K.D. Sandaruwan, Lecturer (Probationary)	8	3	1
31	Mr. R.J. Amaraweera, Lecturer (Probationary)	8	2	2
32	Ms. A.L. Nanayakkara, Lecturer (Probationary)	6		1
33	Mr. K.M. Thilakarathna, Lecturer (Probationary)	9	3	
34	Mr. D.T. Bamunuarachchi, Lecturer (Probationary)	9		
35	Ms. S.S. Thrimahavitharana, Lecturer (Probationary)	8		4
36	Ms. M.A.I. Perera, Lecturer (Probationary)	10	1	1
37	Mr. M.A.P.P. Marasinghe, Lecturer (Probationary)	5	1	6
38	Mr. N.H.P.I. Maduranga, Lecturer (Probationary)	8	4	
39	Mr. W.R.N.S. Abeyweera, Lecturer (Probationary)	7	3	2
40	Mr. A.M.K.B. Athapaththu, Lecturer (Probationary)	7	2	3
41	Ms. M. Krishnathasan, Lecturer (Probationary)	11		1
42	Ms. J.E.G. Chathurangani, Lecturer (Probationary)	10	1	1

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 11 meetings held during 2023. 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 11 BOS/RHD Meetings		
		Present	Absent	Excused
1	Dr. D.A.S. Atukorale, Director (Chairman)	11		
2	Prof. T.N.K. De Zoysa, Deputy Director, Head / CMT, Head / RHD	11		
3	Dr. C.I. Keppitiyagama, Head / CIS, Head / IUD	11		
4	Mr. W.V. Welgama, Head / ISE, Head / EEP	11		
5	Dr. H.E.M.H.B. Ekanayake, Coordinator / MIT Programme	5		1
6	Dr. M.I.E. Wickramasinghe, Coordinator / MBAnalytics Programme	9		2
7	Dr. P.V.K.G. Gunawardana, Coordinator / MIS Programme	9		2
8	Mr. P.K.M. Thilakarathna, Coordinator/Cybersecurity Programme	9		2
9	Dr. A.P. Sayakkara, Coordinator/MCS & MCS in CS Programme	10		1
10	Dr. (Ms.) K.H.E.L.W. Hettiarachchi, Coordinator / MCT	4		
11	Dr. (Ms.) L.N.C. De Silva, Member - Research Committee, Coordinator / Postgraduate Research Degree, Secretary BOS/RHD, Project Coordinator / MCS in CS	11		
12	Mr. B.H.R. Pushpananda, Member Research Committee, Coordinator/Master of Computing Research, Member/Research Committee	10		1
13	Dr. S.S.P. Matharaarachchi, Coordinator / ADMTC	10		1
14	Dr. D.N. Ranasinghe, Rep. / CIS	2	4	4
15	Dr. K.D. Sandaruwan, Rep. / CMT	9		2
16	Dr. (Ms.) M.W.A.C.R. Wijesinghe, UCSC Coordinator / MSc in Bioinformatics, Coordinator / QAC, Rep. / ISE	10		1
17	Prof. K.P. Hewagamage, Adviser / QAC	10		1
18	Dr. (Ms.) H.N.D. Thilini, Project Coordinator / MIT	10		1
19	Dr. K.A.K.T. Karunanayake, Member - Research Committee, Project Coordinator / MSC & MSC in CS Programme	7		4
20	Dr. H.K.T.C. Hallolluwa/Project Coordinator / MBAnalytics (Sabbatical leave)	6		
21	Mr. R.J. Amaraweera, Project Coordinator / MBAnalytics	8		1
22	Mr. T.N.B. Wijethilake, Project Coordinatoor / MIS Programme	4		

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

The Board of External and Extension Programs (EEP) is a formal committee defined in the ordinance of UCSC. 11 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 11 EEP Meetings		
		Present	Absent	Excused
1	Dr. D.A.S. Atukorale, Director	10		1
2	Prof. T.N.K. de Zoysa, Deputy Director, Head/ Dept. of CMT/, Head/RHD	10		1
3	Mr. W.V. Welgama, Head/ Dept. of ISE, Head/ EEP	11	-	-
4	Dr. C.I. Keppitiyagama, Head/Dept. of CIS, Head/IUD	10		1
5	Dr. K.H.E.L.W. Hettiarachchi, Secretary/EEP, Academic Coordinator/BIT	10		1
6	Dr. P.V.K.G. Gunawardana, Coordinator/PDC	7	1	3
7	Dr. S.S.P. Matharaarachchi, Coordinator/ ADMTC	10		1
9	Mr. R.M.U. Rathnayake, Project Coordinator (Out of 04)	2		2
10	Dr. S.M.K.D. Arunathilake, Coordinator/CSC (Out of 5)	5		
11	Dr. H.B. Ekanayake, Coordinator/IS	8		
12	Dr. M.I.E. Wickramasinghe, Coordinator/SE, Coordinator /eLC	6		

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. The Head of the Department during 2023 was Dr. C.I. Keppitiyagama. 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. The Head of the Department during 2023 was Prof. T.N.K. De Zoysa. 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.-The Head of the Department till June 2023 was Prof. M.G.N.A.S. Fernando and Mr. W.V. Welgama was appointed as the Head of the ISE from June 2023 due to the sabbatical leave of Prof. Fernando. More details are given in the website of UCSC (<https://ucsc.cmb.ac.lk/department-of-information-systems-engineering/>).

Note: The UCSC offers two degree programmes for Undergraduates; Computer Science and Information Systems. The Undergraduate students attached to the UCSC and not divided into departments. The academic staff members of the UCSC are only divided into the above three academic departments.

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 2023:

- 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 Techniques.
- Contributing to prepare the UCSC Newsletter.
- Facilitating the UCSC conference – ICTer 2023 (www.icter.org/conference)
- Publishing UCSC Journal – International Journal on Advances in ICT for Emerging Regions (ICTer 2023) – www.icter.org/journal
- Providing technical assistance for external parties in media related tasks

ADMTC has commenced (completed or ongoing) the Graphic Design and Creativity Development course in the year 2023 for three batches of 51 students and the Advanced Multimedia Web Design and Development for three batches of 67 students to disseminate the knowledge. All the batches were conducted in physical mode in 2023.

UCSC Auditorium was functional during the year 2023 and the ADMTC staff provided technical support for the below outlined events held in the UCSC Auditorium and well as in other venues of the UCSC.

Name of the Event	Income to be Received by UCSC (Rs.)	Discount Offered by UCSC (Rs.)	Net Income Received by UCSC (Rs.)
Inauguration Ceremony of the Postgraduate programmes of UCSC held on 21 st January 2023 at the UCSC Auditorium	220,000/-	220,000/-	-
BIT Diploma and Degree Convocation held on 11 th and 12 th March 2023 at the UCSC Auditorium	440,000/-	440,000/-	-
A workshop on Soft Skills Workshop for the undergraduates of the University of Colombo organized by the Career Guidance Unit, University of Colombo in collaboration with the John Keells Foundation at the UCSC Auditorium on 25 th July 2023	279,745/-	110,000/-	169,745/-
Annual Research Symposium at the UCSC Auditorium on 2 nd November 2023	139,873/-	139,873/-	-
UCSC ICTer Confereneec 2023 held from 8 th and 9 th November 2023 in the UCSC Auditorium	440,000/-	220,000/-	220,000/-
A talk organized by the Department of Zoology and Environmental Science, Faculty if Science, University of Colombo at the UCSC Auditorium on 21 st November 2023	139,873/-	55,000/-	84,873/-
Members’ Orientation organized by the AAT Sri Lanka at the UCSC Auditorium on 25 th November 2023	191,873/-	N/A	191,873/-

Workshop organized by the Center for Women’s Research (CENWOR) at the UCSC Board Room on 7 th December 2023	231,873/-	N/A	231,873/-
--	-----------	-----	-----------

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 offer the below outlined services to both public organizations as well as private institutes.

The activities undertaken by the CSC are as follows.

- 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
- Paper setting and holding examinations for external organizations

Short Term Training Courses conducted by CSC

The CSC 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.

Table 1.2.7.1 A: Consultancy Projects – 2023

Reporting Authority	Name of the Project
North Western Provincial Council (NWPC)	1. Project Management and Appraisal System of North Western Provincial Council 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 service to automate the process for the Education Employees Co-operative Thrift & Credit Society Limited
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

Paper Setting and Holding Examinations for External Organizations

In 2023, CSC provided assistance in setting the question paper for the recruitment examination of the System Analyst to the Sri Lanka Parliament.

External Degrees Centre (EDC)

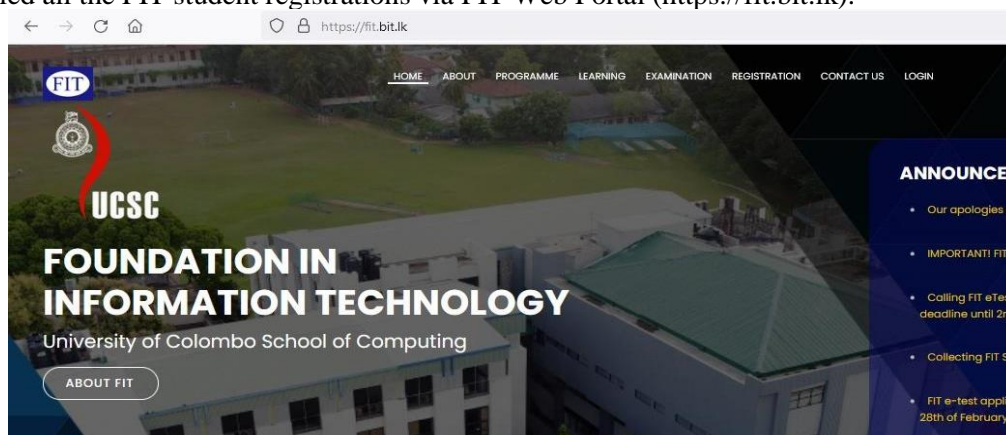
The External Degree Centre (EDC), <https://ucsc.cmb.ac.lk/academic-programmes/edc/> was established in order to manage the external and extension programs of UCSC in order to provide effective and efficient service to the general public. Currently, EDC coordinates the Bachelor of Information Technology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

Main activities carried out by the EDC for the year 2023 were 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 an 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 centers 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 center 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.

eLC handled all the FIT student registrations via FIT Web Portal (<https://fit.bit.lk>).



Moreover, eLC could conduct FIT e-Tests five 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
21st - 28th February	Onsite	230	43	18%
09th - 25 th May	Onsite	318	49	15%
25th July -15th August	Onsite	525	152	28%
05th - 15th September	Onsite	362	91	25%
25th -26th September	Onsite	232	70	30%

During 2023, there were 1140 new registrants to the FIT programme. Having passed all three e-tests, 405 students were eligible for the BIT registration. Also, 42 students applied for the FIT practical tests, and 35 students passed the practical tests. Having passed the three e-tests and the practical test, 30 students completed the FIT programme.

Also, eLC completed the development of online courses for semesters 1, 2, 3 and 4 and continued developing the online courses for Semesters 5 and 6 in the BIT degree programme. BIT online facilitation was continued throughout the year. On the 17th of February, a workshop was conducted to make the subject matter experts and moderators aware of the development process and the quality of the expected content. From 2023, eLC started conducting end semester examination online simultaneous to physical exams, for BIT students live outside Sri Lanka.

From 2023, eLC will be conducting The General Computing Competence Test and The General Computing Aptitude Test which is the selection test for students who apply for Master of Information Technology (MIT), Master of Information Security (MIS), Master of Business Analytics (MB.Analytics), Master of Cyber security (MC) Master of Computer Science (MCS) and Master of Science in Computer Science (MSc in CS) degree programs at University of Colombo School of Computing. eLC held five rounds of examinations during the year focusing 2024 intake.

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 carried out further improvements of the prerecorded videos and conducted a review session on the 22nd December 2023. The Director of UCSC signed an amendment to the agreement extending the validity period until December 2024.
2. Pre-University English Language Course for University Grant Commission, Sri Lanka, delivered via PUPVLE (<https://fitvle.bit.lk/pup/>). eLC continued developing the assignment component and supported addressing student issues, did necessary updates after deploying course to students.

In addition to the above-mentioned activities, eLC carried out below mentioned activities also during the year 2023.

- 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.
- Started developing interactive content development for undergraduate programmes.
- 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 academic activities through industry-academia partnerships, while producing socially responsible professionals with professional practice, leadership qualities, entrepreneurial skills, and integrity.

Activities for the year 2023

- The final industry placement evaluations were carried out for the academic year 2022/2023.
- A selection committee was appointed and facilitated the evaluation to select the best candidate for the award of "Best Performance in Industrial Placement – 2022/2023."
- Student and company feedback was collected concerning industry placements carried out in 2022/2023.
- 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 (Number of New Companies for 2023 - 25).
- Three hundred thirty-four (334) students were placed in 105 IT companies, and 10 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.
- An industry placement monitoring program was conducted to monitor the interns' progress and discuss any issues pertaining to the internship program 2022/2023.
- 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 academia and the industry.
- PDC facilitated a Technology and business awareness session organized by the London Stock Exchange for the UCSC academic staff. The LSEG conducted this session on their company premises.
- Competitions and online sessions organized by the IT industry were shared with the undergraduates and encouraged them 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.
- Coordinated laptop donations from multiple companies and secured laptops for students in need to support their studies.
- 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, 218 cases to be investigated by 31st December 2023 and we have already completed 473 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 the 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 of the University of Colombo. UCSC, which is the computing faculty of the University of Colombo, still continues to offer courses of the Faculty of Science and 2241 students of the Faculty of Science followed courses conducted by the UCSC in 2023. 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 2023, 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 were 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 85%. 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 during the first two years. Students who earn more than 2.75 GPA are eligible to apply for honors degrees but the current intake size for CS stream is 60 and IS stream is 30. CS students are given the opportunity to select BSc Hons in CS or BSc Hons in SE. Results of the first two years examination are 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 2023 where **4208 applicants applied and 702 were qualified** to apply for the IS stream.

2.1.2 ACADEMIC YEAR – 2021/2022 AND STUDENT ENROLMENT

Table 2.1.2. - A: Enrolment - Distribution of UCSC Intake – 2023

Stream of Study	Intake Size	Number enrolled	Male	Female
CS Stream	230	228	155	73
IS Stream	120	118	65	53
Total	350	346 (98.8%)	220 (62.9%)	126 (36%)

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 2023 is given below. The inauguration for the new undergraduate students selected for UCSC was held **on 05th June 2023** and the orientation programme from **22nd May 2023 to 2nd June 2023** before the commencement of the academic year.

<https://ucsc.cmb.ac.lk/undergraduate-inauguration-ceremony-for-the-academic-year-2021-2022/>

2.1.3 ACADEMIC TIME TABLE FOR THE YEAR 2023

DURATION		WEEKS	17/18	18/19	19/20	20/21
24-Apr-2023	7-May-2023	2	Continuation of Second Semester Examination for the 1st,2nd & 4th Years			
8-May-2023	21-May-2023	2	Second year Group Project (8,9,15,16,17 May 2023) Industrial Placemnet Presentations (8,9,10,11 May 2023) + New Intake Registration (10 May 2023) 2021/2022 Intake			
22-May-2023	4-Jun-2023	2	Orientation Programme - 2021/2022 Intake Fourth Year Final Defence Inauguration on 5th June 2023			
First Semester						
5-Jun-2023	30-Jul-2023	8	4S1 (L)	3S1 (L)	2S1 (L)	1S1 (L)
31-Jul-2023	6-Aug-2023	1	Mid Semester Break			
7-Aug-2023	24-Sep-2023	7	4S1 (L)	3S1 (L)	2S1 (L)	1S1 (L)
25-Sep-2023	1-Oct-2023	1	Study Leave			
2-Oct-2023	29-Oct-2023	4	First Semester Examination for the 1st,2nd,3rd & 4th Years			
30-Oct-2023	5-Nov-2023	1	Project Evaluation			
6-Nov-2023	12-Nov-2023	1	(ICTer Conference 6,7,8,9,10 November 2023)			
13-Nov-2023	19-Nov-2023	1	Vacation			
Second Semester						
20-Nov-2023	24-Dec-2023	5	4S2 (L)	3S2 (L)	2S2 (L)	1S2 (L)
25-Dec-2023	31-Dec-2023	1	Christmas & New Year Vacation			
1-Jan-2024	10-Mar-2024	10	4S2 (L)	3S2 (L)	2S2 (L)	1S2 (L)

11-Mar-2024	17-Mar-2024	1	Study Leave
18-Mar-2024	7-Apr-2024	3	Second Semester Examination for the 1st,2nd & 4th Years
8-Apr-2024	28-Apr-2024	3	Sinhala & Hindu New Year Vacation
29-Apr-2024	12-May-2024	2	Project Evaluation
13-May-2024	26-May-2024	2	Orientation Programme
27-May-2024	-	-	Registration / Orientation / Innauguration of the 2022/2023 Intake

2.1.4 STUDENT PERFORMANCES AT EXAMINATION

Table 2.1.4. - A: Study Programme: CS Stream

Academic Year	Registered Students	% of Students Sat for Exam	No. of Students – GPA \geq 2.00	No. of Students 2.0>GPA \geq 1.5	GPA<1.5	Pass Rate % [No. students \geq 1.5 / No. of students Sat Exams
2021/2022 (1 st Year)	229	94%	Pending	Pending	Pending	Pending
2020/2021 (2 nd Year)	221	90%	180	20	21	90.4%
2019/2020 (3 rd Year General)	164	98%	142	15	7	95.7%
2019/2020 (3 rd Year Special)	60	100%	60			100%
2018/2019 (4 th Year)	51	100%	51			100%

Table 2.1.4. - B: Study Programme: IS Stream

Academic Year	Registered Students	% of Students Sat for Exam	No. of Students – GPA \geq 2.00	No. of Students 2.0>GPA \geq 1.5	GPA<1.5	Pass Rate [No. students \geq 1.5/No. of students Sat Exams
2021/2022 (1 st Year)	118	85%	Pending	Pending	Pending	Pending
2020/2021 (2 nd Year)	108	92%	76	13	19	82.4%
2019/2020 (3 rd Year General)	88	97%	79	5	4	95.4%
2019/2020 (3 rd Year Special)	31	100%	31			100%

2018/2019 (4 th Year)	25	100%	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://ugyle.ucsc.cmb.ac.lk>

2.1.5 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) is set to facilitate 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 feedback from the local industry to improve the relevance of all its computing degrees to maintain the employability rate of UCSC graduates over 85%. The statistics for the 2022/2023 placement are given below.

Table 2.1.5. - A: Distribution of Industrial Placement with respect to organizations

Type of Organizations – Placement	Number of Students Placed	Number of Organization
IT Companies	312	105
Research and Consultancy Projects at UCSC	22	10
Total	334	115

Apart from the industrial training, the PDC organized a series of tech talks and guest lectures from various companies. 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.

2.1.6 UNDERGRADUATE STUDENT WELFARE

(a) Hostel Facilities

In the year 2023, 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 2023 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. D.T. Thilakaratne
 Capacity: 35

Girls Hostel:

Hostel Address: 76/16A, Sunethradevi Mawatha, Kohuwala, Nugegoda
 Academic Warden: Dr. (Mrs.) T.A. Weerasinghe
 Academic Sub-Warden: Ms. N.W. Hettiarachchi
 Capacity: 36

Table 2.1.6.1. – A: Hostel Facilities Requested and Granted in 2023

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	75	52	23				75
Girls Hostel	40	25	15				40
Total	115	77	38				115

Table 2.1.6.1. - 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	1,935,000.00	Other: 19,695.01 Water: 77,933.96 Electricity: 132,568.24	Warden Allowance: 6,500.00 Sub Warden Allowance: 9,750.00 Caretaker Salary: 576,000.00	35	78,784.21
Girls' Hostel	36	1,080,000.00	Other: 8,040.00 Water: 179,244.29 Electricity: 247,651.16	Warden Allowance: 6,500.00 Sub Warden Allowance: 9,750.00 Caretaker Salary: 576,000.00	36	58,532.93
Total					71	137,317.14

(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 in the year 2023 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 from 2022 to 2024.

(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 hourly basis. A separate room has been allocated for student counseling and services.

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 were provided for all students from 2022 to 2023. The Professional Counselor Mrs. Nilani Thushanthika provided the service of 2 -3 hrs a day in 2023 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.

(d) Financial Assistance for Undergraduate Students

Financial assistance was given to students in the form of Mahapola Scholarships, Bursaries, Industry Scholarships, Student Welfare and Distress Fund, Foreign Donors Scholarships and Shorea Robusta Scholarships.

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 2023. The value of Merit and Ordinary scholarships were Rs.5,050 and 5,000 respectively.

Table 2.1.5.1. – C: Number of students - Mahapola Scholarship Granted – 2023

Year of Intake	Year of Study	Merit scholarship (CS+IS)	Normal scholarship (CS+IS)	Total
2020/2021	Year 1	101(80+21)	8(7+1)	109(87+22)
2019/2020	Year 2	9(9+0)	118(78+40)	127(87+40)
2018/2019	Year 3	6(6+0)	113(91+22)	119(97+22)
2017/2018	Year 4	9(9+0)	24(16+8)	33(25+8)
All	Total	125	263	388

Bursaries

Bursaries were awarded in accordance with UGC Circulars, which governs the selection of students for Bursaries. 63 students were awarded with Bursaries during 2023. The breakdown of the Bursary

recipients for the year 2023 is shown in the following table (Computer Science [CS] + Information System [IS]).

Table 2.1.6.1. – D: Number of students -Bursary Granted – 2023

Year of Intake	Year of Study	Full Bursary (Rs. 4000)		Total
		CS	IS	
2020/2021	Year 1	11	10	21 (11+10)
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	29	34	63

Industry Scholarships

Private organizations are invited to sponsor scholarships for needy students every year. IFS R&D Ltd. sponsored 08 scholarships at Rs. 5,000/= 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 2.1.6.1. – E: Industry Scholarships 2023

Number of scholarships and scholarship amount	Number of Second Year Students	Number of Fourth Year Students
08 Scholarships – Rs. 5,000/- per month	7 Students	1 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 2023, 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 2023, 30 students were offered with scholarships from the Student Welfare and Distress Fund. Among them, there were 30 scholarships at Rs. 5,000/- for a period of 06 months. Hence, over 0.9 million from UCSC generated income was spent on special scholarships for students who had financial difficulties.

Table 2.1.6.1. – F (A): Special Financial Supports 2023

Number of full scholarships and scholarship amount	Total Amount for year 2023
30 Scholarships – Rs. 5,000/- per month	Rs. 150,000/- *6 Rs.900,000/-

Scholarship Funded By Foreign Donors

As per a request made by a private donor, UCSC 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 2.1.6.1. – G: Scholarships Funded by Foreign Donors 2023

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

Table 2.1.6.1. – G (I): Shorea Robusta Scholarships - 2023 (4th year Scholarship)

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

2.1.7 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 2023 and following office bearers were elected for the Student Union.

Name of the Student	Reg. Number	Office Bearer
Karunanayakage Gineth Gavishka	2020/CS/059	President
Dadallage Geethan Sulochana Hemathilake	2021/IS/036	Vice-President
Hewa Walimunige Binura Hasarindu	2021/CS/078	Secretary
Kariyawasam Majuwana Gamage Kavindu Viranga Dias	2021/CS/050	Editor
Wathawana Vithanage Nipul Yansith	2021/IS/106	Junior Treasurer
Mohammadu Fazeer Aamir Arshad	2021/CS/011	Committee Member (IUD Representative)
Bandara Godage Ashan Praboda	2021/IS/076	Committee Member (IUD Representative)
Shanthos Prabakaran	2021/IS/088	Committee Member
Mohammed Muzammir Mohammed Mushahid	2021/CS/122	Committee Member
Mohamed Hamsa Mohamed Hamdi	222030	Committee Member
Herath Mudiyanseelage Inod Banuka Bandara	222010	Committee Member
Shashika Pravindu Madushan Ekanayaka	221049	Committee Member
Poddiwela Marage Amantha Tharusha Srikantha	221197	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 2023 such as Sinhala-Tamil New Year, Annual Pirith ceremony, Vaani Vizha.

2.1.8 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 2.1.8.: A: Timeline of Key Student Activities – 2023

Event	Date
<u>UCSC Students' Union</u>	
- Hanthana Batch Trip 18 th batch UCSC	2023/01/20
- Career Fair UCSC 2023	2023/01/27
- Farewell Ceremony of UCSC 17 th batch	2023/02/18
- UCSC Aware Awurudu	2023/05/28
- UCSC Piritha 2023	2023/08/25
- Trophy of Computing 2023	2023/12/17
- Reid Handawa 2023	2023/12/21
<u>Pahasara – UCSC Media</u>	
- Fresh Hack 3.0	08/01/2023
- Hanthana Batch Trip - 18th Batch of UCSC	20/01/2023
- IEEE Day 2022 - UCSC	22/01/2023
- UCSC ACM - Annual General Meeting	26/01/2023
- UCSC Career Fair - 2023	27/01/2023
- EUNOMIA by SEDS UOC & SEDS Kelaniya	28/01/2023
- Postman API Day Sri Lanka - 2023	28/01/2023
- Go Codeless with Twilio Studio	15/02/2023
- Flutter Forward Extended Colombo	16/02/2023
- Farewell Ceremony of UCSC 17th Batch	18/02/2023
- MadHack	18/02/2023
- Final Year Outing - 2023	24/02/2023
- Turtle's Trails - Rotaract Club of UCSC	04/03/2023
- Inter-Faculty Championships 2023	01/06/2023
- IntelliHack 3.0	06,07/05/2023
- UCSC Aware Awurudu 2023	28/05/2023
- AGM - IEEE WIE SB AG of UCSC	02/06/2023
- Hopeful Hearts - Blood Donation Campaign	30/05/2023
- AGM -IEEE SB of UCSC	25/05/2023
- Excipio 20/21 - Welcome of UCSC 19th Batch	09/06/2023
- AGM - Rekha the Music Circle of UCSC	20/06/2023
- AGM - UCSC ISACA Student Group	25/06/2023
- Hackaholics 5.0	26/02/2023
- Transition Meeting 2023/24 - Rotaract Club of UCSC	23/06/2023
- Undergraduate Inauguration Ceremony	05/06/2023
- National Olympiad in Informatics - 2023	17/06/2023
- AGM - Pahasara UCSC Media	28/06/2023
- Peo Code 2.0	14,21/07/2023
- Techtalks CompSoc - UOC	21/08/2023
- APAN56 Datathon 2023 CompSoc - UOC	22,23/08/2023
- UCSC Piritha 23'	25/08/2023
- Extraordinary General Meeting - Alumni Association of UCSC	31/08/2023
- General Convocation 2022	06/09/2023
- Introductory Session - Pahasara UCSC Media	12/09/2023
- ACM Introductory Session 2023	15/09/2023
- Introductory Session 2023 - IEEE Student Chapter	30/08/2023
- Ballet Code - ACM Chapter UCSC	21/09/2023
- Career Guidance Session - ISACA UCSC Student Group	25/08/2023
- Inter-Faculty Freshers Championships	05/11/2023 - 03/12/2023
- ICTer 2023	07,08,09,10/11/2023
- Insight 2023 AIESEC - UOC	22/11/2023
- Gramfest 2023 AIESEC - UOC	24/11/2023
- Batch Photo Day - 17th Batch	26/11/2023
- Unravel 2.0 IEEE JamborIEEE	10/12/2023
- TOC 2023	17/12/2023
- Reid Hendewa 2023	21/12/2023

<u>IEEE SB</u> <ul style="list-style-type: none"> - WSO2 IAM workshop - IEEE Day (with CS chapter and WIE) - MADHACK 2.0 Workshop - Annual General Meeting - Jamborieee: Unravel 2.0 - Explainable AI workshop 	17/01/2023 22/01/2023 01/02/2023 – 18/02/2023 25/05/2023 10/12/2023 21/12/2023
<u>IEEE WIE</u> <ul style="list-style-type: none"> - Hackaholics 5.0 Final Hackathon - Annual General Meeting - IEEE Introductory session [with SB, CS] 	26/02/2023 02/06/2023 30/08/2023
<u>UCSC ISACA Student Group</u> <ul style="list-style-type: none"> - Annual General Meeting - Career Guidance Session - Secur-a-thon [with IEEE WIE] 	23/06/2023 25/08/2023 23/12/2023
<u>UCSC Rekha</u> <ul style="list-style-type: none"> - Annual General Meeting - Reid Handawa 	20/06/2023 21/12/2023
<u>ROTARACT CLUB OF UCSC</u> <ul style="list-style-type: none"> - Raffle Draw - Bright Smiles, Happy Hearts: Children’s Day Project - Installation Ceremony - ConivoCraft - Friendly Futsal Match with IIT 	28/08/2023 01/10/2023 22/11/2023 20/12/2023 09/12/2023
<u>UCSC ACM SC</u> <ul style="list-style-type: none"> - General Election - Annual General Meeting - Go Codeless with Twilio Studio - Member Meetups <ul style="list-style-type: none"> o 22nd May o 21st July - NOI Final Rounds <ul style="list-style-type: none"> o 17th June o 24th June - IOI Training <ul style="list-style-type: none"> o 8th July o 15th July o 22nd July o 29th July o 5th Aug o 12th Aug o 19th Aug - Ballet Code - Hour of Code 	04/01/2023 26/01/2023 15/02/2023 22/05/2023 21/07/2023 17/06/2023 24/06/2023 08/07/2023 15/07/2023 22/07/2023 29/07/2023 05/08/2023 12/08/2023 19/08/2023 21/09/2023 07/12/2023
<u>CompSoc - University of Colombo</u> <ul style="list-style-type: none"> - Annual General Meeting - Tech Talks: Navigating the Open-Source Ecosystem - Bootcamp: Introduction to React JS - Smart Start: Boosting Software Career with Industry-Recognized Certifications - Bootcamp: Web Development Basics - Smart Start: Navigating Career Paths in the Software Industry - Blog Writing Session: Exploring Cloud Computing - Tech Talks: Getting Started with Android Development - Blog Writing Session: The Role of HCI in Modern Tech - Bootcamp: Mastering Git and GitHub 	19/01/2023 05/02/2023 19/02/2023 05/03/2023 08/05/2023 27/05/2023 20/06/2023 18/09/2023 21/10/2023 18/11/2023
<u>IEEE CS SB Chapter of UCSC</u>	

Intellihack 3.0	
- Workshop I	12/02/2023
- Workshop II	26/02/2023
- First Round	19/02/2023
- Final Round	06/05/2023
IEEE Andaharaya	11/04/2023
FlutterX	
- Session I	29/07/2023
- Session II	05/08/2023
- Session III	12/08/2023
- Session IV	19/08/2023
Annual General Meeting 23/24	10/09/2023
IEEE CS Introductory Sessions	30/08/2023
DesinX	
- Session I -	25/11/2023
- Session II	06/12/2023
- Session III	09/12/2023
Session on Explainable AI	21/12/2023

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/>.

2.1.9 STUDENT ACHIEVEMENTS

2.1.9.1. 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 2023.

Competition	Achievement
Tech-Triathlon	1 st place - Team Chimera
ACES Coders V10.0	1 st place – Team Placeholder
NBQSA 2023	Gold Award – Naushika Jayawickrama
NBQSA 2023	Silver Award – Team Signomeet
APICTA 2023	1 st place – Naushika Jayawickrama
AI Ideathon Tech X Sri Lanka 2023	1 st place – Team CodingBlinders
Inter Faculty Freshers’ Tournament	Overall 1 st Runners-up
Inter Faculty Freshers’ Tournament	Overall Mens’ Champions

2.1.10 GRADUATION 2023

The graduation ceremony for the year 2023 was held on 5th & 6th September 2023. 278 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 2.1.10 B and 2.1.10 C).

Table 2.1.10. – A: Final Academic Performance of UCSC Graduates – 2023

			Total no. of students Graduated
--	--	--	---------------------------------

Programme of Study	Main/Repeat	No. of students Sat for the Final Exam		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 2018/2019)	Main	75	52		2	20	19	17	13	27	17	64	51	85%	98%
B.Sc. (Hons) in Computer Science (A/Y 2017/2018)	Main	20	10	11	6	7	4					18	10	90%	100 %
B.Sc. (Hons) in Software Engineering (A/Y 2017/2018)	Main	16	4	5	1	11	3					16	4	100 %	100 %
B.Sc. (Hons) in Computer Science (A/Y 2017/2018)	Repeat														
B.Sc. in Computer Science (A/Y 2014/2015)	Repeat		1						1				1		100 %
B.Sc. in Computer Science (A/Y 2015/2016)	Repeat	1													
B.Sc. in Computer Science (A/Y 2016/2017)	Repeat	6								3			3	50	
B.Sc. in Computer Science (A/Y 2017/2018)	Repeat	14	4				2	1	1	9	1	10	4	71%	100 %
B.Sc. in Information Systems (A/Y 2018/2019)	Main	32	38			8	12	6	16	13	7	27	35	84%	92%
B.Sc. (Hons) in Information Systems (A/Y 2017/2018)	Main	11	15	6	13	3	2	1				10	15	91%	100 %
B.Sc. in Information Systems (A/Y 2017/2018)	Repeat	6	3				3			6		6	3	100 %	100 %

B.Sc. in Information Systems (A/Y 2016/2017)	Repeat		1				1						1		100 %
---	--------	--	---	--	--	--	---	--	--	--	--	--	---	--	-------

Table 2.1.10. – 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				7	9	16	3	3	6	11	1	12	34
	B					3	3	2	3	5	1	1	2	10
	C				1	3	4		7	7	5	5	10	21
	A					1	1	1	3	4	2		2	7
	T													
Total					8	16	24	6	16	22	19	7	26	72

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

Table 2.1.10. – 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	5	12	1	2	3	1		1				16
	B		6	6	2		2							8
	C		1	1										1
	A													
	T													
Total		7	12	19	3	2	5	1		1				25

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

2.1.11 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 2.1.11. – A: Convocation Awards for Information Systems Degree Programme – 2023

Name of the Award	Name of the Awardee
Zebra Technologies Academic Excellence Award for the Best Performance in three year degree - 2022	MS. BANDARA S.A.D.G.A. (Index No.: 19020112)
IFS Academic Excellence Award for the Best Performance in four year degree – 2022	MS. PATHIRANA R.P.P.M. (Index No.: 18020542)
Sampath Bank Award for the Best Final Year Project - 2022	MS. PIYATHILAKE S.A.V.S. (Index No.: 18020585) MS. PERERA H.I. (Index No.: 18020552) Ms. DISSANAYAKE D.M.I.A. (Index No.: 18020161)

David Pieris Group Gold Medal for the Best Performance in Industrial Placement [Information Systems] – 2022	MR. DEVINDA K.K. (Index No.: 19020181)
---	---

Table 2.1.11. – B: Convocation Awards for Computer Science Degree Programme – 2023

Name of the Award	Name of the Awardee
Virtusa Academic Excellence Award for the Best Performance in three year degree – 2022	MS. PERERA H.A.K.D. (Index No.: 19001134)
Professor Mohan Munasinghe Award for Computer Science – 2022	MS. ABEYTUNGE J.H.S. (Index No.: 18000061)
ICTA Award for the Best Computer Science Final Year Project - 2022	MR. KARUNARATHNE J.R.M.D.B. (Index No.: 18000797)
David Pieris Group Gold Medal for the Best Performance in Industrial Placement [Computer Science] – 2022	MR. ASHFAQ M.A.M. (Index No.: 19000081)

Table 2.1.11. – C: Convocation Awards for Software Engineering Degree Programme – 2023

Name of the Award	Name of the Awardee
IFS Award for the Best Performance in B.Sc. (Hons) in Software Engineering – 2022	MR. NIPUNAJITH K.K.M. (Index No.: 18001114)
Soma Goonetillake Memorial Award for the Best Final Year Project in B.Sc. (Hons) in Software Engineering – 2022	MR. COORAY B.H.R. (Index No.: 18000266) MR. GUNAWARDANA P.A.M.Y. (Index No.: 18000606) MR. JAYASURIYA D.M.H.U. (Index No.: 18000746) MR. MUDALIGE I.P. (Index No.: 18001051)
Wimala Jayaratne Memorial Award for the Best Performance in Software Engineering in B.Sc. (Hons) in Software Engineering - 2022	MR. NIPUNAJITH K.K.M. (Index No.: 18001114)

Table 2.1.11. – D: Convocation Award for all streams – 2023

Name of the Award	Name of the Awardee
Prof. V.K. Samaranyake Memorial Medal for the Most Outstanding Graduate of the UCSC - 2022	MR. KODITUWAKKU S.N.E. (Index No. 18020399)

2.1.12 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 questionnaire. The following table provides the details of the employability of UCSC graduates for each study stream.

Table 2.1.12. – A: Employability of UCSC undergraduates - 2023

Programme	Number Responded	Employed	Self Employed	Waiting for Jobs / Not interested
Computer Science	180	84.4%	2.2%	13.3%
Information Systems	97	83.5%	1%	15.4%
Total	277	84.1%	1.8%	14%

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 2023 are presented in the next few sections.

2.2.1.1 MASTERS DEGREES

UCSC offered four master degree programs in 2023. 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 290 eligible candidates were selected from among over 400 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**

The Master of Cybersecurity, 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 2023 was 30.

- **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 (Four academic semesters). Master of Science in Computer Science consists of two and half years (Five academic semesters). Lectures except 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 2023 were delivered physically. The live sessions of the classes were conducted.

2.2.1.2 ENROLMENT

The master courses of Information Technology, Computer Science, Information Security and Business Analytics are scheduled to be started in February, 2024 for the 2023/2024 intake, while the recruitment of students was started in 2023. The Inauguration session is also scheduled to be held on 10th February, 2024 at UCSC premises. The academic time table for the programs were announced at the beginning of the course. The academic program for 2023/2024 intake is scheduled to be held in physical mode at UCSC premises. The student handbook for the Master Degree programme for 2023/2024 intake would be designed in 2024 and scheduled to be published in 2024.

Table 2.2.1.2. – A: Postgraduate Enrolment in 2023

Degree Programme	Intake 2022/2023	1st Year Students		2nd Year Students		Total
		New	Repeaters	New	Repeaters	
Master of Computer Science	100	69	18	61	51	199
Master of Science in Computer Science				3	5	8
Master of Information Technology	100	90	17	58	20	185
Master of Information Security	30	24	2	19	2	47
Master of Business Analytics	50	28	7	35	8	78
Master of Cybersecurity	30	28				28
Total	310	239	44	176	166	545

Student registration fee of the master’s degree programme is one of the main sources 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 2023

Degree Programme	Academic Lecturing			Supervision		Administration	Non- Academic
	UCSC	Visiting (Local)	Visiting (Foreign)	UCSC	Visiting		
MCS	35	6	1	15			6(Postgraduate/ Exam)

MIT		4		19		2 (Exams/ Postgraduate)	
MIS		3	1	1			
MBAnalytics		2		7			
Total	35	15	2	42		2	6

2.2.1.4 GRADUATION OF MASTERS PROGRAMME

Postgraduate Convocation for the year 2022 was held on 1st and 2nd March 2023. 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 2023

Course	Intake 2019/ 2020	Graduated							Total
		2019/2020	%	2020/2021	2018/2019	2017/2018	2016/2017	Previous	
Master of Computer Science	102	10	10		4	2	2		18
Master of Information Technology	99	19	5		10	4			33
Master of Information Security	29	19	2		3				22
Master of Business Analytics	38	23	2		9				32
Master of Science in Computer Science	8	2	4		2				4
Master of Cybersecurity					7				7
Postgraduate Diploma in Computer Science		1		2	5	5	6	5	24
Postgraduate Diploma in Information Technology		12		3	7	8	2	2	34
Postgraduate Diploma in Information Security					1			2	3
Postgraduate Diploma in Business Analytics					3				3
Total	276	86		5	51	19	10	9	180

The list of postgraduate students who were eligible to receive special awards based on their performances in the programme in 2023. Details are given below.

Name of Award/Medal	Name of Recipient
Kingslake Award for the Best Student of the Master of Computer Science – 2022	A.L. Nanayakkara
Award for the Best Student for the Master of Science in Computer Science – 2022	G.E.W.T. Dhanushika
JICA Award for the Best Student for the Master of Information Technology – 2022	W.M.D.P. Wijesundara
Asiriyal De Zoysa Memorial Award for the Best Student in Master of Information Security - 2022	H.M.N.T.P. Herath
Prof. G.N. Wikramanayake Memorial Award for the Best Student of the Master of Business Analytics - 2022	R.A.G. Naotunna

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 2023. 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 has 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 in 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 2023

Research Degree	Year 1 (Registration 2023)	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		1		2	2	5	
Part Time	1		1		1	1	3	1
PhD – Total	2		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	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 3440 graduates; 4928 higher diploma holders and 10599 diploma holders up to the end of 2023. In 2023 (20th Batch) had 3067 new enrolments, and the process for new intake commenced in early 2023 and kept open until September 2023 to cater to the Advanced Level students of 2022. The following table shows the details of the student registration for the year 2023.

Table 2.3.1. – A: BIT Student Registration - 2023

Course	New Registration	Re-registration	Total
First Year Registration	3067	1178	4245
Second Year Registration	578	670	1248
Third Year Registration	134	515	649
Total	3779	2363	6142

2.3.1.1 STUDENT PERFORMANCE - 2023

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

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

External Undergraduates	Expected	2023	2022	2021	2020
DIT - New Intake	1500	3067	3171	2453	2099
DIT – Registered	2000	4245	4109	2933	2370
DIT – Diplomas	400	ongoing	754	491	575
[DIT/Registered]%	20%		18.3%	19.6%	27%
HDIT - Higher Diploma Intake	600	885	312	553	639
HDIT - Higher Diploma Registered	1200	1245	588	1128	1303
HDIT - Higher Diplomas	300	Ongoing	306	300	313
[HDIT/Registered]%	25%		52.0%	27.7%	21%/
BIT - Degree Intake	300	130	133	300	289
BIT - Degree Registered	1500	643	697	1034	1312
BIT – Graduates	225	ongoing	150	350	284
[BIT/Registered]%	15%		21.5%	33.8%	22%

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. 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 2023, 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 2021 and 2022 was held on 12th March 2023 and 17th December 2023 respectively at the Prof. V.K. Samaranayake Auditorium, UCSC.

Table 2.3.1.3. – A: Performance of External Degree Programme - 2023

Course	New registration	Repeaters	Total	No of Graduated
Diploma in Information Technology 2021	2453	480	2933	491
Higher Diploma in IT 2021	553	575	1128	300
Bachelor of Information Technology 2021	300	734	1034	207
All	3306	1789	5095	998

Table 2.3.1.4. – A: Performance of External Degree Programme - 2023

Course	New registration	Repeaters	Total	No of Graduated
Diploma in Information Technology 2022	3171	938	4109	754
Higher Diploma in IT 2022	312	276	588	306
Bachelor of Information Technology 2022	133	564	697	150
All	3616	1778	5394	1210

Table 2.3.1.5. – B: Analysis of Results – BIT Graduation data in 2023

Intake	First	Second Upper	Second Lower	Pass	Total
BIT [Graduation 2021]	1	7	12	187	207
BIT [Graduation 2022]	1	12	9	128	150

2.3.1.4 CONVOCATION AWARDS

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

2021

Name of Award/Medal	Name of Recipient
Prof. V.K. Samaranyake 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. Samanthilake Memorial Medal For The Best E-Learner – 2021	H. Sumaiya
Best e-Learner awards for the Semester 1– 2021 Semester 3– 2021	J.P.A.P. Jayasekara R.M.M.N. Perera

2022

Name of Award/Medal	Name of Recipient
Prof. V.K. Samaranyake Memorial Medal For The Best Performance In The Bachelor Of Information Technology (External) Degree -2022	N.A.D.U. Imantha
Prof. G.N. Wikramanayake Memorial Medal For The Best Performance In Software Development Project - 2022	W.G.M.B. Gamage
Mr. M.J.P.U. Samanthilake Memorial Medal For Best Performance In The Level III – 2022	V. Abilucksan
Best e-Learner Award For Semester 1 - 2022	F.Z. ILYAS



2023 photo

2.3.1.5 EMPLOYABILITY

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

Programme	2023	2022	2021	2020	2019
Bachelor of Information Technology	79%	66.2%	86%	86%	90%

2.3.2 EXTENSION COURSES

In 2023, CSC and ADMTC offered nine certificate level courses and registered 565 students and the courses were conducted in blended mode. Accordingly, the below table shows the details of the courses. 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 - 2023

Course	Division	Duration (weeks)	No. Batches	Participants
Training Course on Data Science with Python	CSC	8	3	69
Training Course on AutoCAD	CSC	8	4	106
Java Application Development Using JavaSE	CSC	8	3	80
Training Course on Python Fundamentals	CSC	8	2	44
Computing for Career Development	CSC	5	2	27
Software Quality Assurance Using Test Automation Framework	CSC	8	2	53
Training Course on MERN Stack	CSC	8	2	58
Advanced Multimedia Web Design and Development Techniques	ADMTC	8	3	67
Computing for Career Development	ADMTC	5	3	61
Total			24	565

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 2023.

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

Programme	Registration	Applied for * e-Testing	Passed e-Testing
FIT	1140	1667	405

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 2022 and completed his second year semester 1 studies in 2023. In addition, one student registered from Australia for the Master of Cybersecurity programme in 2023. One student from Nepal is 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 2023, 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 2023, a policy document for UCSC research allocation for R & D was updated to allocate funds for staff research activities in 2023. At the same time, the UCSC called applications for UCSC research allocation in 2023, granting Rs. 1000,000.00 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.

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. J.G.S. Rupasinghe	30	30	14	30
BSc Honors in Information Systems	Dr .K.D. Sandaruwan Ms. M.A.S.U. Fernando	25	9	8	17
BSc Honors in Software Engineering	Dr. B.H.R. Pushpananda Ms. M.A.I. Perera	20	5	7	13

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 type. However, some projects have a research component. Details of master's projects in 2023 are given below.

Table 3.1.2. A: Evaluation of Masters Level Projects

Degree Programme	Academic Year	Registered Students (First Time + Repeaters)	
		2022/2023	Repeaters
MCS	2022/2023	10	6
MSc in CS		2	2
MIS		1	1
MIT		19	11
MBAnalytics		15	

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 2023, 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	0/2
Total	2

3.1.4 FUNDED RESEARCH PROJECTS

3.1.4.1 INTERNAL RESEARCH AND DEVELOPMENT PROJECTS

In 2023, UGC dis 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 research proposals based on their planned research activities during 2023 and 23 proposals conducted under respective 15 reserch groups were financial assisted. The following table shows the details of each project and research group.

Table 3.1.4.1. – A: Allocation, Utilization and Outcome of Funded Research Projects 2023

Research Project/Activity	Principal Investigator/ Research Group	Allocation Rs	Utilization Rs
Developing Sandhi Splitting and a Parallel Corpus for Sinhala and Sri Lanka Tamil Languages	Dr. B H R Pushpananda LTRL Research Group	1,000,000	900,000.00
Developing Sandhi Splitting and LTRL and Subasa Website Development			
Drop out prediction of students learning under fully online and blended learning environment	Dr. M G D K Fernando ECloudML Research Group	1,000,000	27,500.00
Timely Virtual Machine Failure Prediction using Log Analysis for Proactive Fault Tolerance			

Higher Education for all Project: An Explainable AI driven Methodology for detecting Multiple Intelligence	Dr. H K T C Halloluwa USEHCI Research Group	1,000,000	185,000.00
Context Aware Music Recommendation and Generation			
Integrative Network analysis to identify drug candidates for Alzheimer's disease	Ms. C R Wijesinghe BioSys Research Group	1,000,000	56,129.03
Screening Blood Images and Red Blood Cell Indices of Thalassemia using Deep learning techniques			
Framework for Emotion Recognition: An EEG Based Classification on Music Listening	Dr. M I E Wickramasinghe COTS Research Group	1,000,000	1,000,000.00
Audio Monitoring and Remastery Detection using Time Series Techniques			
Developing a Pests and Diseases Detection Support Chatbot for Paddy Cultivation Management	Dr. L N C De Silva C4SA (Sustainable Agriculture) Research Group	1,000,000	940,435.97
Hydropoics Device Version 2 - Detail Time line is attached herewith			
Hydropoics Device User Evaluation Agri Chatbot Dataset creation/ domain knowledge			
Velocity - A Gamified learning tool to enhance Grade five students' Mathematics skills	Mr. R J Amaraweera Synergy Research Group	1,000,000	60,000.00
Exploring the possibility of using a thermal camera to analyze learners' attention			
Improving the Quality of Life of Elderly and Visual Impaired using Mixed Reality (MR)	Dr. K T K T Karunanayake MixedReality Research Group	1,000,000	178,064.52
Estimate land coverage utilized for plantations by using drone images	Dr. K H E L W Hettiarachchi GIS (GeoMatics) Research Group	1,000,000	560,000.00
Smart Agro: Using Aerial imagery to help farmers make better decisions on nitrogen requirements in paddy Farms	Prof. K P Hewagamage AgroTech Research Group	1,000,000	169,767.00
A configurable grading platform for fruits using ML	Mr. G P Seneviratne MLDAG Research Group	1,000,000	400,000.00

Individual Elephant Identification Using A Combination of Physical Traits: A Deep Learning Approach	Dr. P V K G Gunawaedana ElepIDynamics Research Group	1,000,000	
Discardable Encrypted Host-based Application-level Tunneling Infrastructure (DEHATI)	Dr. D A S Atukorale SysRes Research Group	1,000,000	
Development and Evaluation of a Research Grade Electric Buzz Wire (EBW) Game	Dr. H E M H B Ekanayake MindSys Research Group	1,000,000	
Enhancing User Experience in Web-Based AR/VR Applications through Dynamic Content Integration and Extending Available Interaction Techniques: Exploring Metaverse Trends	Dr. K D Sandaruwan Sim Research Group	1,000,000	

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 - 2023

Staff Level and Type of Conference	Published/ Presented	Total
Senior Academics – Conferences held in Sri Lanka	31	31
Senior Academics – Conferences held outside Sri Lanka	20	20
Junior Academics – Conferences held in Sri Lanka	1	1
Junior Academics – Conferences held outside Sri Lanka	5	5
Total	57	57

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 2023.

Table 3.1.4.2. - A: Utilization and Outcome of Research Projects Funded by External Parties -2023

Project Name	Principal Investigator	Donor Agency or Sponsoring Organization	Type of Grant (Local or Foreign)
Swedish Research Link; Autonomous Visual Detection of Bio-hazards Locations with Aerial Drones	Prof. T.N.K. De Zoysa	Swedish Research Council	Foreign

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 from 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 three types of allocation known as “Research Quota” (RQ), “Publication Quota” (PQ) and “Research Career Development” (CQ). 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 2023.

Table 3.1.5. A: Utilization of Research Allocation during 2023

Staff Members	Utilization (Rs.)	Average Utilization (Rs.)
Senior Staff (25)	7,609,059	304,362.36
Junior Staff (15)	1,711,405.6	114,093.7
Total Staff (40)	9,320,464.6	418,456.06

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 2023.

Table 3.1.6. A: Research Groups in 2023

Group Name	Goal of Research Group	Members of Research Group
Language Technology Research Laboratory (LTRL) Research Group	Research Outcome Conference/ Journal Publication + LTRL/ Subasa Website	Dr. Randil Pushpananda (PI)/Dr. H N D Thilini/Mr. W V Welgama/Mr. Chamila Liyanage
ECloudML Research Group	Research Outcome research publication	Dr. MGDK Fernando (PI)/ Prof. MGNAS Fernando/ Mr. Kavinda Athapattu/ Dr. JD Herath (EX)
USEHCI Research Group	Research Outcome three research publication	Dr. Thilina Halloluwa (PI)/ Dr. Kasun Karunanayake/ Dr. Manjusri Wickramasinghe/ Mr. Upul Rathnayeka

BioSys Research Group	Research Outcome In a peer reviewed conference/journal	Ms. C R Wijesinghe (PI)/ Dr. A R Weerasinghe/ Ms. Amali Perera/ Ms. Sadani Thrimavithana/ Ms. Lakshika Sewwandi Gamage
COTS Research Group	Currently, the framework has been developed and the experimentation part is currently, underway. Four (04) journal papers have been already drafted and are currently in the process of finalizing and submitting. The research papers include a state-of-the-art dataset (the first of its kind) and a research paper on the use of the newly purchased device	Dr. MIE Wickramasinghe (PI)/ Mr. PP Marasinghe/ Mr. NHPI Maduranga/ Mr. RNS Abeyweera
C4SA (Sustainable Agriculture) Research Group	Research Outcome research Publications / Pests and Diseases Detection Support Chatbot for Paddy Cultivation Management, 02 Research Publications	Dr. LNC De Silva (PI)/ Dr. KD Sandaruwan/ Dr. Randil Pushpananda/ Dr. CI Keppitiyagama/ Prof. TNK De Zoysa
Synergy Research Group	Research Outcome Research Publication in peer reviewed conference/journal, Publish Two research papers	Mr. RJ Amaraweera (PI)/ Mr. Upul Anuradha Rathnayaka/ Dr. Kasun Karunanayaka
MixedReality Research Group	Research Outcome Five Research Publications	Dr. K T K T Karunanayake (PI)/Dr. M I E Wickramasinghe/Ms. Amali Perera
GeoMatics - GIS Research Group	Research Outcome Systematic Literature Review paper - (Journal paper), Concept paper - Conference paper, Paper after completion of the evaluation stage -(Journal paper)	Dr. Enosha Hettiarachchi (PI)/Prof . DD Karunaratne/Dr. K D Sandaruwan/Dr. A P Sayakkara/Mr. Kavinda Athapaththu
AgroTech Research Group	Research Outcome Partial fulfillment of Master of Philosophy computer science leading to PhD, More than five research publications	Prof. K P Hewagamage - PI/Dr. Thilina Halloluwa/Mr. Upul Rathnayake/Ms. C L Ishani Fonseka
MLDAG Rsearch Group	Research Outcome Planning to make at least 03 publications	Mr. G P Seneviratne - PI/Dr. Thilina Halloluwa/Dr. Kasun Karunanayake/Dr. Samantha Mataraarachchi
ElepIDynamics Research Group		Dr. P V K G Gunawaedana (PI)/Dr. K D Sandaruwan
SysRes - System Research Group	Research Outcome Research Publication - 01, Working Prototypes - 01	Dr. D A S Atukorale/Dr. C I Keppitiyagama/Dr. M G D K Fernando/Dr. A P Sayakkara/Mr. K M Thilakarathna/Mr. T N B Wijethilake
MindSys - Mind Systems Research Group	Research Outcome two research publication	Dr. H E M H B Ekanayake (PI)/Dr. K H E L W Hettiarachchi/Dr. L N C De Silva

Modeling and Simulation (Sim) Research Group	Research Outcome Research Publication 01, Web based Software framework that can be used to evaluate user experience of Web-Based AR/VR applications	Dr. K D Sandaruwan (PI)/Prof. Kapila Dias/Dr. C I Keppitiyagama/Dr. Shiromi Arunathilake/Prof. T N K De Zoysa
--	---	---

3.1.7 RESEARCH PUBLICATIONS AND AWARDS

The following table shows the summary of research publications in 2023 and details of all the publications are given at the end of this section.

Table 3.1.7. – A: Publication Summary - 2023

Type of publication	Held/Published in Sri Lanka	Held/Published outside Sri Lanka	Total
Conferences	20	17	37
Journals	10	21	31
Total	30	38	68

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 2023.

3.1.7. - B: Detail Analysis of Publications - 2023

Name of Staff Member	Conferences	Journals	Total
Prof. K.P. Hewagamage	1		1
Prof. D.D. Karunaratne	1		1
Prof. G.K.A. Dias		1	1
Dr. A.R. Weerasinghe	9	2	11
Dr. D.A.S. Atukorale	2	1	3
Prof. G.D.S.P. Wimalaratne	1	3	4
Prof. K.L. Jayaratne	1		1
Prof. T.N.K. De Zoysa	1	3	4
Dr. C.I. Keppitiyagama	1	2	3
Dr. D.N. Ranasinghe		1	1
Dr. H.A. Caldera		6	6
Dr. L.N.C. De Silva	1		1
Dr. H.K.T.C. Halloluwa	3	2	5
Dr. K.D. Sandaruwan	2	1	3
Dr. (Mrs) T.A. Weerasinghe	3		3

Dr. P.V.K.G. Gunawardana	1	2	3
Dr. (Ms) K.H.E.L.W. Hettiarachchi	4		4
Mr. W.V. Welgama	2	1	3
Dr. A.P. Sayakkara	3	3	6
Mr. R.N. Rajapaksha		1	1
Dr. K.A.K.T. Karunanayake	9	2	11
Dr. B.H.R. Pushpananda	3	3	6
Dr. H.N.D. Thilini	1	1	2
Dr. M.I.E. Wickramasinghe	2	1	3
Dr. M.G.D.K. Fernando		1	1
Ms. C.L.I.S. Fonseka		2	2
Mr. Roshan Abeyweera	2		2
Ms. M.V.P.T. Lakshika	1		1
Mr. A.M.K.B. Athapaththu	1		1
Mr. R.M.U.A. Rathnayake	1		1
Ms. P.G.M.P. Gamage	1		1
Mr. Chathura Suduwella		2	2

3.1.7.1 AWARDS FOR RESEARCH DURING 2023

UCSC continued to encourage students and staff to submit their research and development work for external evaluation to obtain national and international recognition. The details of awards received in 2023 are given below.

Table 3.1.7.1. – A: Awards for Research and Development Projects –2023

Name of the awards	Awarding Agency	Publication or Project	Team members
Best Invention Award - Govi-Nena Home Gardening Mobile App	The Southern Province Invention Competition, Ruhuna Invention & Innovation Competition, RIIE 2023	Govi-Nena Home Gardening Mobile App	Dr. Anusha Walisadeera; Prof. Athula Ginige; Prof. Gangani C. Samaraweera; Dr. MKDK Piyaratne; Prof.(Mrs) W.G.D. Lakmini; Dr. Sarasi Munasinghe; Prof. M. D. J. S. Goonatillake; Dr. (Mrs.) L. N. C. de Silva; Mr. Nuwan Laksiri; Ms. A. Shanadi; Mr. Akeel Mohamed; Mr. Thanuja Mallikaarachchi, Mr. Waruna Gamage; Markus Santa
NBQSA National ICT Awards (Research and Development Category)	Sri Lankan section of the BCS The Chartered Institute for IT	BankBot: Conversational Agent for Banking Domain	Bimsara Gamage, Buddhi Gamage, Ashmari Pramodya, Thuthi Dilni, Randil Pushpananda, Ruvan Weerasinghe

Table 3.1.7.1. – B Other Award and achievement – 2023

Name with initials	Name of the Award	Awarded year	Awarded organization
Dr. D.A.S. Atukorale	Vice Chancellor's Award 2022	12 th Jan 2024	University of Colombo
Prof. K.P.Hewagamage	Computing Gold Award	2023	SLIIT University
Prof. K.P. Hewagamage	National Educator Awards	2023	SLIIT University
Ms. A.L. Nanayakkara	Kingslake Award for the Best Student for the Master of Computer Science	11 th January 2024	University of Colombo School of Computing
Ms. P.G.M.P. Gamage	Best paper award- International Conference on Library & Information Science ICLIS-2023	27 th June 2023	Sri Lanka Library Association

3.1.7.2 KEYNOTE/INVITED SPEECHES OF UCSC STAFF

3.1.7.2. - A: Detail of Keynote / Invited speeches of UCSC staff – 2023

Name of the staff	Event	Topic
Dr. A.R. Weerasinghe	Annual Stat Day of the University of Colombo	Customizing conversations using statistics, language modelling and generative A
	23rd International Conference on Advances in ICT for Emerging Regions (ICTer)	When Machines Go Rogue: The Risks and Rewards of AI Hallucination
	PyData Sri Lanka Conference	From ML apps to LLM apps with Python
	8th Session of the WIPO Conversation on Intellectual Property and Frontier Technologies series	LLMs and Generative AI
	AI4COVID Impact Conference	Using AI for developing policy measures
	National Law Conference 2023	Is Sri Lanka ready to implement AI in delivering services in the public sector?
Prof. K.P. Hewagamage	CVCD Conference	The Digital Transformation (DX) of Higher Learning through Virtual University (VM) Model
	ICULA 2023	Digital Transformation of Academic Libraries for a Sustainable Future

3.1.7.2. - B: Detail of UCSC staff as Resource Persons at Workshops/Tutorial/Seminars– 2023

Name of the staff	Event	Topic
Prof. K.P. Hewagamage	Staff Development Centre, University of Kelaniya	Chat GPT and Artificial Intelligence tools in Higher Educations: Opportunities and Threats

	National Science Foundation	Technical Evaluation Panel (TEP)
	Defence Services Command and Staff College, Sapugaskanda	Digital Transformation in Academic Environment
Ms. Thuthi Dilni, Mr. Buddhi Gamage, Dr. A.R. Weerasinghe, Dr. R. Pushpananda	Workshop conducted by the LTRL at ICTer 2023	Unlocking the power of chatbots

3.1.8 INTERNATIONAL CONFERENCE - ICTER 2023

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 23rd annual Conference was successfully held for two days which will take place from 8th November to 9th November, 2023.

This year the conference was co-sponsored by four platinum sponsors; LSEG, Cambio, Altria-WIA and Softlogic. The inauguration of the event was followed by the first day of the conference on the 8th November 2023. The chief guest of the event was the Ambassador of Japan Sri Lanka, His Excellency MIZUKOSHI Hideaki. At the Inauguration Dr. Ajantha Atukorale, the Director of the University of Colombo School of Computing and the Conference Co-Chair Dr. Chamath Keppitiyagama encompassed the honor of welcoming the Guests of the conference in the morning of 8th November 2023. The Conference Co-Chair Dr. Damitha Sandaruwan declared the conference as concluded in the evening of the 9th November, 2023.

In addition to research paper presentations, this year's event consists of 7 keynote speeches by distinguished speakers from various fields in computing, 4 tech talks by industry experts (by platinum sponsors), innovation studios and pre- and post-conference workshops.

The conference keynotes were delivered by Dr. Ruvan Weerasinghe, University of Colombo School of Computing (UCSC) on the title *When Machines Go Rogue: The Risks and Rewards of AI Hallucination*. Prof. Timothy Baldwin, Mohamed bin Zayed University of Artificial Intelligence on the title *Fairness in Artificial Intelligence*. Italo Vignoli, Associazione LibreItalia on the title *LibreOffice Technology, a FOSS platform for personal productivity*. Prof. Peter Christen, Australian National University (ANU), on the title *Lessons from twenty years of working with (administrative) Big Data*. Mike Willburn, MITRE Corporation on the title *All Your Language Are Belong to Us: Implications and Effects of Large Language Models for Cybersecurity*. Prof. Patrick Olivier, Monash University, on the title *Infrastructuring Participatory Citizenship*. Prof. Thiemo Voigt, Uppsala University Towards on the title *In-Body, Battery-Free Internet of Things*.

The details and the keynote speeches and other details can be found at the ICTer website: [ICTer 2023](#)

Conference Co-Chairs	Dr. Chamath Keppitiyagama Dr. Damith Sandaruwan
Steering Committee Members	Dr. Kasun Gunawardana Dr. Lasanthi De Silva

	Mr. Kenneth Thilakarathna Dr. Randil Pushpananda Dr. Shiromi Arunatileka
Conference Co-Secretariats	Ms. Nimali Hettiarachchi Ms. Madhumali Dhanawardana
Technical Program Committee Chair	Dr. Manjusri Wickramasinghe
University Liaisons Committee Chair	Mr. Pasindu Marasinghe
Industry Liaison Committee Chair	Dr. Lasanthi De Silva
Finance Committee Chair	Ms. VGM Priyangika
Keynote Speakers' Handling Committee Chair	Mrs. Sanduni Thirimahavithana
Registration Committee Chair	Mr. Viraj Welgama
Logistics Committee Chair	Mrs. RMN Nilmini
Secretariat	Ms. Madara Jayarathna
Workshop Handling Chair	Mr. Tharindu Wijethilake
Webmaster	Mr. Tharindra Galahena Mr. Ashintha Perera

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 2023, the Google Scholar h-index of the ICTer Journal is 13. The following members were appointed as the staff of ICTer Journal.

Editors

Prof. Kamalnath Priyantha Hewagamage, University of Colombo School of Computing, Sri Lanka
Prof. Abhaya Induruwa, Canterbury Christ Church University, United Kingdom

Associate Editors

Dr. Kasun Karunanayake, University of Colombo School of Computing, Sri Lanka
Dr. LNC De Silva, University of Colombo School of Computing, Sri Lanka
Dr. Thilina Halloluwa, University of Colombo School of Computing, Sri Lanka
Mr. WV Welgama, University of Colombo School of Computing, Sri Lanka
Dr. Asanka P Sayakkara, University of Colombo School of Computing, Sri Lanka
Dr. HND Thilini, University of Colombo School of Computing, Sri Lanka
Dr. MIE Wickramasinghe, University of Colombo School of Computing, Sri Lanka

Chairs of ICTer Steering Committee

Prof. K.P. Hewagamage, University of Colombo School of Computing, Sri Lanka

ICTer Steering Committee Members

Dr. Kasun Karunanayake, University of Colombo School of Computing, Sri Lanka
Dr. LNC De Silva, University of Colombo School of Computing, Sri Lanka
Dr. Thilina Halloluwa, University of Colombo School of Computing, Sri Lanka
Mr. WV Welgama, University of Colombo School of Computing, Sri Lanka
Dr. Asanka P Sayakkara, University of Colombo School of Computing, Sri Lanka
Dr. HND Thilini, University of Colombo School of Computing, Sri Lanka
Dr. MIE Wickramasinghe, University of Colombo School of Computing, Sri Lanka

International Advisory Panel

Prof. Robert Ramberg, Stockholm University, Sweden
Prof. Saman A Halgamuge, University of Melbourne, Australia
Prof. Maria R Lee, Shih Chien University, Taiwan, Province of China
Prof. Love Ekenberg, Stockholm University, Sweden

Reviewers

Prof. (Ms) DA Meedeniya, University of Moratuwa, Sri Lanka
Prof. ND Kodikara, Informatics Institute of Technology, Sri Lanka
Dr. (Ms) WA Mohotti, University of Ruhuna, Sri Lanka
Dr. AP Sayakkara, University of Colombo School of Computing, Sri Lanka
Dr. AR Weerasinghe, University of Colombo School of Computing, Sri Lanka
Dr. BHR Pushpananda, University of Colombo School of Computing, Sri Lanka
Dr. D Kasthurirathna, Sri Lanka Institute of Information Technology, Sri Lanka
Dr. HA Usoof, University of Peradeniya, Sri Lanka
Dr. HEMHB Ekanayake, University of Colombo School of Computing, Sri Lanka
Dr. HKTC Halloluwa, University of Sydney, Australia
Dr. HND Thilini, University of Colombo School of Computing, Sri Lanka
Dr. LNC De Silva, University of Colombo School of Computing, Sri Lanka
Dr. S Viswakula, University of Colombo, Sri Lanka
Dr.(Ms) S Ahangama, University of Moratuwa, Sri Lanka
Mr. CP Suduwella, University of Colombo School of Computing, Sri Lanka
Mr. RJ Amaraweera, University of Colombo School of Computing, Sri Lanka
Mrs C Edirisinghe, University of Sri jayewardenepura, Sri Lanka
Ms. MVPT Lakshika, University of Colombo School of Computing, Sri Lanka

Editorial Assistant

Mr. RJ Amaraweera, University of Colombo School of Computing, Sri Lanka
Ms. Amali Perera, University of Colombo School of Computing, Sri Lanka
Ms. TGSD Gamagedara, University of Colombo School of Computing, Sri Lanka

Webmaster

Mr. GMTC Galahena, University of Colombo School of Computing, Sri Lanka

The statistics of ICTer Journal as follows:

1. Number of submissions (2023) = 38
2. Number accepted = 21
3. Number published = 15
4. Number of issues = 4 – available at <http://journal.icter.org/index.php/ICTer/issue/archive>

Major activities of ICTer Journal during 2023

1. Published – 2023 March Issue, Vol 16, No 01
2. Published – 2023 Special Issue, Vol 16, No 02
3. Published – 2023 September Issue, Vol 16, No 03
4. Published – 2023 December Issue, Vol 16, No 04

3.1.10 RESEARCH PUBLICATIONS – 2023

3.1.10.1 JOURNAL PUBLICATIONS – 2023

01	Thisaranie Kaluarachchi, M I E Wickramasinghe , "A systematic literature review on automatic website generation", Journal of Computer Languages, Publication date: 2023/3/8 , Pages: 101202, Publisher: Elsevier, Doi: https://www.sciencedirect.com/science/article/pii/S2590118423000126
02	Dilky Felsing, H K T C Halloluwa , C L I S Fonseka , "Experiences Of Conducting Online Exam Proctoring In Low-Resource Settings: A Sri Lankan Case Study", Journal: Information Technologies and Learning Tools, Publication date: 2023/2 , Volume: 93, Pages: 163-177, Doi: https://doi.org/10.33407/itlt.v93i1.5094

03	Shakthi Sachintha, Nhien-An Le-Khac, Mark Scanlon, A P Sayakkara , “Data Exfiltration through Electromagnetic Covert Channel of Wired Industrial Control Systems”, Journal: Applied Sciences, Publication date: 2023/2/24 , Volume: 13, Publisher: MDPI, Doi: https://doi.org/10.3390/app13052928
04	K D Sandaruwan , Nihal Kodikara, Piyumi Radeeshani, K Mahima, Chathura Suduwella , Sachintha Pitigala, Mangalika Jayasundara, “User Perceive Realism of Machine Learning-based Drone Dynamic Simulator”, International Journal of Advanced Computer Science and Applications (IJACSA), Publication date: 2023/1
05	Eranga Bandara, Xueping Liang, Sachin Shetty, Ravi Mukkamala, Peter Foytik, D N Ranasinghe, T N K De Zoysa , “Octopus: privacy preserving peer-to-peer transactions system with InterPlanetary file system (IPFS)”, International Journal of Information Security, Publication date: 2023/6 , Volume: 22, Issue: 3, Pages: 591-609, Publisher: Springer Berlin Heidelberg, Doi: https://link.springer.com/article/10.1007/s10207-022-00650-2
06	Isuru Dharmadasa, Malith Weeraseskara, C I Keppitiyagama , Chandana Gamage, “RSSI based Device-free Human Identification”, The International Journal on Advances in ICT for Emerging Regions, Publication date: 2023/6/13 , Volume: 16, Issue: 1, Doi: https://journal.ictcr.org/index.php/ICTer/article/view/46
07	Tharinda Dilshan Piyadasa, P V K G Gunawardana , “A Review on Oversampling Techniques for Solving the Data Imbalance Problem in Classification”, The International Journal on Advances in ICT for Emerging Regions, Publication date: 2023/6/13 , Volume: 16, Doi: https://journal.ictcr.org/index.php/ICTer/article/view/387
08	K A K T Karunanayaka , Adrian David Cheok, Somaiyeh Vedadi, “Digital Smell: Towards Electrically Reproducing Artificial Smell Sensations”, Journal: IEEE Access, Publication date: 2023/5/19 , Doi: https://doi.org/10.1109/ACCESS.2023.3278093
09	M G D K Fernando , Jonathan Turner, Ping Yang, Kartik Gopalan, “V-Recover: Virtual Machine Recovery When Live Migration Fails”, Journal: IEEE Transactions on Cloud Computing, Publication date: 2023/6/2 , Doi: https://doi.org/10.1109/TCC.2023.3282466
10	Shashika Ruwanmini, G K A Dias , Clera Niluckshini, Terrance Nandasara, “Sinhala Inscription Character Recognition Model Using Deep Learning Technologies”, The International Journal on Advances in ICT for Emerging Regions, Publication date: 2023/6/18 , Volume: 16, Issue: 1, Doi: https://journal.ictcr.org/index.php/ICTer/article/view/471
11	Muditha Tissera, A R Weerasinghe , “Ontological knowledge inferring approach: Introducing Directed Collocations and Joined Directed Collocations”, International Journal of Knowledge-based and Intelligent Engineering Systems, 27 (2023), pp.113–132, Publication in September 2023
12	Perera M.P.M., Kollure K.A.D.D., Gunasekara A.M.P.P., C.D. Adhietty, Dr. Nuwan Kodagoda, H A Caldera , “AI-Generated Comic Strips” Published in International Research Journal of Innovations in Engineering and Technology - IRJET, Volume 7, Issue 9, pp 74-82, September-2023 . Article DOI https://doi.org/10.47001/IRJET/2023.709008
13	H A Caldera , Sathira Hettiarachchi, H M R M Bandara, Y S Abeywickrama, B D R Fernando, IM Wijesuriya, “Interview Bot Using Natural Language Processing and Machine Learning”, International Research Journal of Engineering and Research, Volume 10, Issue 10, October 2023 , pp 28-34
14	Harin Samaranyake, Oshan Mudannayake, Dushani Perera, Prabhash Kumarasinghe, Chathura Suduwella, T N K De Zoysa, G D S P Wimalaratne , “Detecting Water in Visual Image Streams from UAV with Flight Constraints”, Journal of Visual Communication and Image Representation, Publication date: 2023/10/1 , Volume: 96, Doi: https://doi.org/10.1016/j.jvcir.2023.103933
15	Anupama Arukgoda, Erandi Lakshika, Michael Barlow, P V K G Gunawardana , “Effective Motive Profile Compositions for Cooperative Ad-Hoc Teams”, Journal: IEEE Transactions on Cognitive and Developmental Systems, Publication date: 2023/10/3 , Doi: https://doi.org/10.1109/TCDS.2023.3321924
16	C Wijesiriwardana, G D S P Wimalaratne , T Abeyasinghe, S Shalika, N Ahmed, M Mufarrij, “Secure CodeCity: 3-dimensional visualization of software security facets”, Journal of the National Science Foundation of Sri Lanka, 51(3), Published on 12 Oct 2023 , p.null.Doi: https://doi.org/10.4038/jnsf.v51i3.11201
17	Udeni Jayasinghe, D A S Atukorale , “Application of Edutainment Concepts and Tracking Emotions Based on Transient Emotion Peak in Online Education Systems”, The International Journal on Advances in ICT for Emerging Regions, Publication date: 2023/12/21 , Volume: 16, Issue: 3, Doi: https://journal.ictcr.org/index.php/ICTer/article/view/499
18	C Wijesiriwardana, G D S P Wimalaratne , T Abeyasinghe, S Shalika, N Ahmed, M Mufarrij, “Software Engineering Secure CodeCity: 3-dimensional visualization of software security facets”, Journal Of The National Science Foundation Of Sri Lanka, Publication date: 2023/9 , Pages: 437, Doi: http://www.nsf.ac.lk/images/nsf/jnsf/JNSF_Volume_51_No_3.pdf#page=55

19	Chamath Silva, Vinuri Piyathilake, C I Keppitiyagama, A P Sayakkara , Prabash Kumarasinghe, Namal Jayasuriya, Udayanga Sampath, “A Wavelet Transform-based Feature Extraction Pipeline for Elephant Rumble Detection”, The International Journal on Advances in ICT for Emerging Regions, Publication date: 2023/12/21, Volume: 16, Issue: 3, Doi: https://journal.ictcr.org/index.php/ICTcr/article/view/386
20	Yasas D Ekanayaka, B H R Pushpananda, W V Welgama , Chamila Liyanage, “Applying Deep Learning for Morphological Analysis in the Sinhala Language”, The International Journal on Advances in ICT for Emerging Regions, Publication date: 2023/12/12 , Volume: 16, Issue: 2, Doi: https://journal.ictcr.org/index.php/ICTcr/article/view/492
21	H H S N Haputhanthri, HMN Tennakoon, MASM Wijesekara, B H R Pushpananda, H N D Thilini , “Multi-modal Deep Learning Approach to Improve Sentence level Sinhala Sign Language Recognition”, The International Journal on Advances in ICT for Emerging Regions, Publication date: 2023/12/12 , Volume: 16, Doi: https://journal.ictcr.org/index.php/ICTcr/article/view/494
22	Dilky Felsingher, H K T C Halloluwa, C L I S Fonseka , “Video based action detection for online exam proctoring in resource-constrained settings”, Journal: Education and Information Technologies, Publication date: 2023/12/7 , Doi: https://link.springer.com/article/10.1007/s10639-023-12385-1
23	Roshan Rajapakse , Claudia Szabo, “Towards Multi-Class Socio-Technical Congruence: An Exploratory Case Study for Devsecops”, Journal: Available at SSRN 4640248, Publication date: 2023/11, Doi: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4640248
24	Adrian David Cheok, K A K T Karunanayaka , Lars Louis Anderson, “A Computing System for Measuring the Relationship of Smell and Pain”, Journal: Authorea Preprints, Publication date: 2023/10/30 , Publisher: Authorea, Doi: https://www.techrxiv.org/doi/pdf/10.36227/techrxiv.19228488.v1
25	Damsara Ranasinghe, B H R Pushpananda, A R Weerasinghe , “Image Caption Generator for Sinhala Using Deep Learning”, International Journal on Advances in ICT for Emerging Regions (ICTer), 16(2), pp.40–46, (2023)
26	M B A S Wijedasa, P L G K Cooray, R L C Jayawansa, S D Karunasekera, H A Caldera , D D Silva, “Cattle Farm Management System Using Machine Learning and Image Processing”, International Journal of Research in Engineering, Science and Management (IJRESM), vol. 6, no. 11, pp. 12–20, Nov. 2023 , Doi: https://journal.ijresm.com/index.php/ijresm/article/view/2848
27	Thathsarani R P H S R, Dissanayake D M D M, Nirmal M D S, P A Daham Thameera, W A C Pabasara, H A Caldera , “Workload Management System for IT Professionals through Stress Identification” Published in International Research Journal of Innovations in Engineering and Technology - IRJIET, Volume 7, Issue 10, pp 326-332, October 2023 . Article DOI https://doi.org/10.47001/IRJIET/2023.710044
28	H A Caldera , Supipi Karunathilaka, S L D P Pramodya, A M K A P Amarasingha, Dissanayake D M D H P U Rathnasooriya, “Motorbike Defect Checker and Predictor”, Global Scientific Journal (GSJ), Volume 11, Issue 10, pp 1619-1624. Publication date: 2023/10
29	Vithana M A, Kawmini P W U, Sahassara M B C, Madampage S Y S, H A Caldera , Pasangi Rathnayake, “Self-Smoking Controller” Published in International Research Journal of Innovations in Engineering and Technology - IRJIET, Volume 7, Issue 11, pp 729-734, November 2023 . Article DOI https://doi.org/10.47001/IRJIET/2023.711096
30	Lojena Navanesana, Nhien-An Le-Khac, Mark Scanlon, T N K De Zoysa, A P Sayakkara , “Ensuring Cross-Device Portability of Electromagnetic Side-Channel Analysis”, Journal: arXiv preprint arXiv:2312.11301, Publication date: 2023/12/18, Doi: https://arxiv.org/abs/2312.11301
31	Empirical review of the performance of the managers (2023), Henegama HP , International Journal of Management and Organizational Research, Volume 2; Issue 6; November-December 2023; Page No: 184-189, ISSN (online): 2583-6641 available online DOI: https://doi.org/10.54660/IJMOR.2023.2.6.184-189

3.1.10.2 CONFERENCE PUBLICATION – 2023

01	T G D K Sumanathilaka, A R Weerasinghe , H Y P P Priyadarshana, “Sinhala word suggestion algorithm for ad hoc Romanized Sinhala transliterations using a Trie”, Ruhuna International Science and Technology Conference, Publication date: 2023/1/18 , Faculty of Science, University of Ruhuna, Matara, Sri Lanka, URI: http://ir.lib.ruh.ac.lk/xmlui/handle/iruor/10855
02	T G D K Sumanathilaka, A R Weerasinghe , Y H P P Priyadarshana, "Swa-Bhasha: Romanized Sinhala to Sinhala Reverse Transliteration using a Hybrid Approach", 2023 3rd International Conference on

	Advanced Research in Computing (ICARC), Publication date: 2023/2/23 , Pages: 136-141, Publisher: IEEE, Doi: https://doi.org/10.1109/ICARC57651.2023.10145648
03	S T Rakkesh, A R Weerasinghe , R A C Ranasinghe, "Real-time Vehicular Pollution Detection Model using IoT and Distributed Streaming Techniques", 2023 3rd International Conference on Advanced Research in Computing (ICARC), Publication date: 2023/2/23 , Pages: 178-183, Publisher: IEEE, Doi: https://doi.org/10.1109/ICARC57651.2023.10145636
04	Tharuka Kasthuri Arachchige, A R Weerasinghe , "TacoSi: A Sinhala Text to Speech System with Neural Networks", 2023 3rd International Conference on Advanced Research in Computing (ICARC), Publication date: 2023/2/23 , Pages: 120-124, Publisher: IEEE, Doi: https://doi.org/10.1109/ICARC57651.2023.10145749
05	S T Rakkesh, A R Weerasinghe , R A C Ranasinghe, "Enhancing Traffic Simulations Analysis Efficacy using Multiperspective Heterogeneous Toolset", 2023 Conference on Information Communications Technology and Society (ICTAS), Publication date: 2023/3/8 , Pages: 1-6, Publisher: IEEE, Doi: https://doi.org/10.1109/ICTAS56421.2023.10082745
06	Chamila Liyanage, Kengatharaiyer Sarveswaran, H N D Thilini , B H R Pushpananda , "Proceedings of the Sixth Workshop on Universal Dependencies (UDW, GURT/SyntaxFest 2023)", Sinhala dependency treebank (stb), Publication date: 2023/3 , Doi: https://aclanthology.org/2023.udw-1.3
07	Buddhi Wickramasinghe, K A K T Karunanayaka , H K T C Halloluwa , Adrian David Cheok, "Virtual Reality Based Approaches for Post Ischemic Stroke Rehabilitation: Current Practices and Future Perspectives", 2023 3rd International Conference on Advanced Research in Computing (ICARC), Publication date: 2023/2/23 Doi: https://doi.org/10.1109/ICARC57651.2023.10145731
08	Tharanga Ranaweera, K A K T Karunanayaka , "Identification of Covid-19 Using Speech Recognition and Convolutional Neural Networks", 03rd IEEE International Conference on Advanced Research in Computing (ICARC), University of Sabaragamuwa, Sri Lanka, Publication date: 2023/2/23 , https://doi.org/10.1109/ICARC57651.2023.10145735
09	Ravindu Perera, M I E Wickramasinghe , K L Jayaratne , "Improving Automatic Music Genre Classification Systems by Using Descriptive Statistical Features of Audio Signals", International Conference on Computational Intelligence in Music, Sound, Art and Design (Part of EvoStar), Publication date: 2023/4/1 , Pages: 399-412, Publisher: Springer Nature Switzerland, Doi: https://link.springer.com/chapter/10.1007/978-3-031-29956-8_26
10	Anupama Arukgoda, Erandi Lakshika, Michael Barlow, P V K G Gunawardana , "Context-aware Agents based on Psychological Archetypes for Teamwork", Proceedings of the 2023 International Conference on Autonomous Agents and Multiagent Systems, Publication date: 2023/5/30 , Pages: 2313-2315, Doi: https://www.southampton.ac.uk/~eg/AAMAS2023/pdfs/p2313.pdf
11	Chameera De Silva, H K T C Halloluwa , "The Detection of Fake News through the use of a Hierarchical Convolutional Attention Network", 2023 IEEE 8th International Conference for Convergence in Technology (I2CT), Publication date: 2023/4/7 , Doi: https://doi.org/10.1109/I2CT57861.2023.10126324
12	P G M P Gamage , "Time-Driven Activity-Based Costing (TDABC) for the Acquisition Process of Academic Libraries: a Case Study of the Library at the University of Performing Arts, Sri Lanka", International Conference on Library & Information Science (ICLIS 2023), Publication date: 2023/6/27 , Pages: 14, Publisher: Sri Lanka Library Association (International) - (Best paper award)
13	H A R Yasasri, D D Karunaratna , "Helaa: Sinhala Language-based programming language", 4th International Conference on Innovations in Info-business & Technology (ICIIT 2023), Publication date: 2023/8
14	Pramodya Pathirana, Asini Silva, Thenuka Lawrence, T A Weerasinghe , Roshan Abeyweera (2023, June). A Comparative Evaluation of PDF-to-HTML Conversion Tools. In 2023 International Research Conference on Smart Computing and Systems Engineering (SCSE) (Vol. 6, pp. 1-7). IEEE. Publication date: 2023/8/17 , https://ieeexplore.ieee.org/document/10214989
15	Hiruni Kuruppu, Shashini Tharuka, Shamali Sathindra, T A Weerasinghe , M V P T Lakshika , "Design Implications to Digitally Represent the Memory of Visited Webpages", 2023 IEEE International Conference on Advanced Learning Technologies (ICALT), Publication date: 2023/7/10, Conference Location: Orem, UT, USA, Doi: https://doi.org/10.1109/ICALT58122.2023.00011
16	Asini Silva, Thenuka Lawrence, Pramodya Pathirana, T A Weerasinghe , Roshan Abeyweera , "An Approach to Design a Tool to Auto-Generate Online Short Notes Based on School Textbooks", 2023 IEEE International Conference on Advanced Learning Technologies (ICALT), Publication date: 2023/7/10, Conference Location: Orem, UT, USA, Doi: https://doi.org/10.1109/ICALT58122.2023.00073
17	Sugeeshwa S P Galhena, D A S Atukorale , (August 2023), "Exploring Emotion Classification in a Labeled Twitter Dataset A Comparative Study of Machine Learning Approaches", in 4th International Conference on Innovations in Info-business & Technology (ICIIT 2023), Colombo, Sri Lanka

18	Chanaka M. Wickramasinghe, Anushka D. Vithanage, Dharshana Kasthurirathna, D A S Atukorale , (August 2023), "A Comparative Analysis of Extensible Approaches for Document Layout Segmentation" , in 4th International Conference on Innovations in Info-business & Technology (ICIIT 2023) , Colombo, Sri Lanka
19	K H E L W Hettiarachchi (September 2023), "Reflection on Online Teaching and Learning Make It Entertaining, and I will Learn" in 15th International Conference on Education Technology and Computers (ICETC 2023), University of Barcelona, Spain, 26th-28th September 2023. https://dl.acm.org/doi/10.1145/3629296.362933
20	Divyanjalee M P C Kaveesha, Thilini A Perera, L N C De Silva . "Optimizing Indoor Lettuce Cultivation: Evaluating the Impact of Artificial Light and Parameter Monitoring using an IoT Device", The 2nd World Conference on Information Systems for Business Management (ISBM 2023), September 2023 , Bangkok, Thailand
21	Qian Yao Shen, K T Y Mahima, T N K De Zoysa , Luca Mottola, Thiemo Voigt, Markus Flierl, "CNN-Based Estimation of Water Depth from Multispectral Drone Imagery for Mosquito Control", 2023 IEEE International Conference on Image Processing (ICIP), Publication date: 2023/10/8, Conference Location: Kuala Lumpur, Malaysia, Doi: https://doi.org/10.1109/ICIP49359.2023.10222934
22	S Premnath, K Ekanayake, T Pieris, K H E L W Hettiarachchi , K P Hewagamage (November 2023), "Enhancing Attention Span in Online Language Learning for Undergraduates: A Holistic and Inclusive Approach" in 16th Annual International Conference of Education, Research and Innovation (iCERI 2023), Seville (Spain). 13th - 15th of November, 2023. doi: 10.21125/iceri.2023.1384
23	K Karannagoda, I Harischandra, H Abeyvickrama, K H E L W Hettiarachchi , P. Mozellius (November 2023), "Nebula, A Gamification Framework for A High-Quality Online Learning Experience" in 16th Annual International Conference of Education, Research and Innovation (iCERI 2023), Seville (Spain). 13th - 15th of November, 2023. doi: 10.21125/iceri.2023.0012
24	Rusiri Illesinghe, Shayan Wickrama Arachchi, Heshan Kavikarage, Anupama Karunarathna, K A K T Karunanayaka , H K T C Halloluwa , R M U A Rathnayake , "Effective Identification of Nitrogen Fertilizer Demand for Paddy Cultivation Using UAVs", IECON 2023-49th Annual Conference of the IEEE Industrial Electronics Society, Publisher: IEEE, Doi: https://ieeexplore.ieee.org/abstract/document/10312483/
25	Azma Imtiaz, Nethmi Pathirana, Shakir Saheel, Chamodi Jayathilaka, Ilthizam Imtiyas, K A K T Karunanayaka , "A Context-Aware Clothing Design & Recommendation System Using a Deep Generative Model for Young Females", 23rd International Conference of ICT for Emerging Regions (ICTer 2023), Publication date: 2023/11 , Publisher: November 7-10 University of Colombo School of Computing, Colombo, Sri Lanka
26	Yadeesha Weerasinghe, Sanka Gallage, Kavisha Perera, Prameeth Madhuwantha, K A K T Karunanayaka , "Exploring the Efficacy of Gamification in Developing a Learning Platform for Students with Dyslexia in Sri Lanka", 23rd International Conference of ICT for Emerging Regions (ICTer 2023), Publication date: 2023/11, Publisher: University of Colombo School of Computing, Colombo, Sri Lanka
27	Mohomed Mohamed Safrullah, Ashar Mohammed Ashfaq, Vilcassim Abdul Qadir, Kavishan Sukumar, K A K T Karunanayaka , M I E Wickramasinghe , "Real-Time Driving Assistance at Night for Sri Lankan Context", 23rd International Conference of ICT for Emerging Regions (ICTer 2023), Publication date: 2023/11
28	Yasith Samaradivakara, Thavindu Ushan, Asela Pathirage, C I Keppitiyagama , K A K T Karunanayaka , Suranga Nanayakkara, "SeEar: Low-Cost Augmented Reality Glass for Deaf and Hard-of Hearing Impaired", 23rd International Conference of ICT for Emerging Regions (ICTer 2023), Publication date: 2023/11
29	Akila Maithripala, Ruwani Welewatta, Heshan Weerasignhe, K A K T Karunanayaka , K D Sandaruwan , "Utilizing Multi-sensory Cues to Enhance Art Gallery Experience: Focus on Entertainment for the Visually Impaired", 23rd International Conference of ICT for Emerging Regions (ICTer 2023), Publication date: 2023/11
30	Chathura Wanniarachchi, G D S P Wimalaratne , K A K T Karunanayaka , "A Behavioral Model for Single Leader: Leader-Follower Drone Swarm in Leader's Failure", The 2nd IEEE Industrial Electronics Society Annual Online Conference (ONCON 2023), Publication date: 2023/11
31	Purushoth Velayuthan, Vinuri Piyathilake, Kavinda Athapaththu , K D Sandaruwan , A P Sayakkara , K H E L W Hettiarachchi , "Using Multispectral UAV Imagery for Marine Debris Detection in Sri Lanka", The 8th International Conference on Information Technology Research (ICITR 2023), December 7th to 8th, 2023 , Faculty of Information Technology, University of Moratuwa, Sri Lanka. (Local) DOI: 10.1109/ICITR61062.2023.10382866
32	Michael Amar, Lojenaa Navanesan, A P Sayakkara , and Yossi Oren, "Waves of Knowledge: A Comparative Study of Electromagnetic and Power Side-Channel Monitoring in Embedded Systems",

	In Proceedings of the EAI International Conference on Security and Privacy in Cyber-Physical Systems and Smart Vehicles (EAI SmartSP 2023), October 12-13, 2023 , Chicago, United States
33	Bart Somers, A P Sayakkara , Darren R. Hayes, and Nhien-An Le-Khac, "Finding Forensic Artefacts in Long-term Frequency Band Occupancy Measurements using Statistics and Machine Learning", In Proceedings of 14th EAI International Conference on Digital Forensics & Cyber Crime (EAI ICDF2C 2023), November 30-1, 2023 , New York City, United States
34	Ashmari Pramodya, B H R Pushpananda , A R Weerasinghe , K.T Yaras Mahima, "Enhancing Neural Machine Translation for the Sinhala-Tamil language pair with limited resources", In Proceedings of the International Conference on Advances in ICT for Emerging Regions, 8 th – 9 th November 2023 , Colombo, Sri Lanka
35	Buddhi Gamage, B H R Pushpananda , Dinusha Thilini, A R Weerasinghe , "Applicability of End-to-End Deep Neural Architecture to Sinhala Speech Recognition", In Proceedings of the International Conference on Advances in ICT for Emerging Regions, 8 th – 9 th November 2023 , Colombo, Sri Lanka, (2023)
36	Shaveen Thilakarathne, W V Welgama , A R Weerasinghe , "Detecting the Severity of Depression in Online Forum Data by Leveraging Implicit Semantic Inferences", In Proceedings of the International Conference on Advances in ICT for Emerging Regions, 8 th – 9 th November 2023 , Colombo, Sri Lanka, (2023)
37	Janadhi A Uyanhewage, W V Welgama , A R Weerasinghe , "Multi-Hop Question Answering over Knowledge Graphs", In Proceedings of the International Conference on Advances in ICT for Emerging Regions, 8 th – 9 th November 2023, Colombo, Sri Lanka

3.1.10.3 BOOK PUBLICATION – 2023

1	Tharindu Wijethilake, Chamath Keppitiyagama, Kenneth Thilakarathna and Ajantha Atukorale , "A Practical Guide to Basic Networking", published by the Colombo University Press
---	--

4. HUMAN RESOURCES – ACADEMIC AND NON-ACADEMIC

4.HUMAN RESOURCES – ACADEMIC AND NON-ACADEMIC

The present cadre of the UCSC is based on the revised Cadre Manual in 2017.

4.1 UCSC CADRE

There is a significant 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 industry and high salaries in the private sector. More than the qualifications, 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 sufficient 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. Although new staff members were recruited, the issue of non-available of qualified staff is still exists.

In addition due to the restrictions imposed by the government, recruitment for staff for all categories has been 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	6	3
(5) ISE Department (Academic)	58	20	38
(6) CIS Department (Academic)	43	17	
(7) CMT Department (Academic)	53	13	
(8) Finance Division	14	11	2
(9) Examination Division	11	8	3
(10)Advanced Digital Media and Technology Centre (ADMTC)	6	1	3
(11) Centre for Digital Forensic (CDF)	4	3	1
(12) Library	6	2	
(13)Postgraduate Division	3	4	2
(14)Engineering & Maintenance	10	7	1
(15)Network Operating Centre (NOC)	15	7	3
(16)External Degree Centre (EDC)	10	7	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)			7
Total	276	123	70

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	3	
Primary Grade - Skilled	U- PL 3	5	3	2
2. Secondary Level				
Management Assistant - non - Technical	U- MN 1	53	33	12
Staff Assistant/ Supra & Senior Staff Assistant	U- MN 4		8	
Management Assistant - Technical	U- MT 1/U-MN4	10	4	6
3. Tertiary Level				
Temporary Tutor/Demonstrator/ Instructor/Asst.Lecturer/Research Assistant/Lecturer	Fixed	53	38	15
Academic Support - Segment 2	U-AS 1	5	6	
Junior Executive / Managers	U-EX 1	7	5	2
Academic Support - Segment 1	U-AS 2	14	12	2
4. Senior Level				
Middle Level Executives	U-EX 2	10	4	2
Middle Level Executives	U- EX 2(a)		5	
Senior Lecturer /Lecturer / Lecture (Prob.)/ Asst. Librarian	U AC 3	99	58	41
Associate Professors	U- AC 4			
Professors/ Senior Professors	U- AC 5			

In 2023, 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 193 staff members working in the organization and there are 83 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)
51	30	5	4	12

Highest Academic Qualifications of the Administrative and Finance Staff

No. of Staff	PhD	MPhil	MSc/MBA	Bachelor	Diploma
13		1	10	2	

4.3 RECOGNITION OF UCSC STAFF

In 2023, 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 31.12.2023
Dr. C I Keppitiyagama	Senior Lecturer Gr. I	17.08.1998	16.08.2023	25 years
Mr. A R W M U N Seneviratne	Deputy Bursar	01.01.1997	01.01.2022	25 years
Prof. K L Jayarathne	Professor	21.06.1993	20.06.2023	30 years
Ms. S D Chandralatha	Deputy Registrar	14.12.1993	13.12.2023	30 years
Prof. M G N A S Fernando	Professor	05.01.1988	04.01.2023	35 years
Mr. G P Seneviratne	Senior Lecturer Gr. I	01.03.1988	28.02.2023	35 years
Dr. A R Weerasinghe	Senior Lecturer Gr. I	01.05.1988	30.04.2023	35 years

4.4 STAFF DEVELOPMENT AND TRAINING

Permanent Academic Staff 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. In addition, depending on the grade of staff and job requirements, relevant staff was supported using both the funds of generated income as well as from the government grants

The details of the training programs staff of UCSC attended in 2023 are as follows.

Sn	Programme	Category of staff participated	No. of participants	Spent Amount (Rs.)
01	One day motivation work shop conducted by Staff Development Centre, University of Colombo	Works Aides	8	8,000.00
02	Advanced MS Excel for Data Analysis conducted by Association of Accounting Technician of Sri Lanka	Management Assistant	1	7,000.00
03	One day motivation work shop conducted by Staff Development Centre, University of Colombo	Management Assistants	42	42,000.00
04	Finance for Non-Finance Professional programme (online) Conducted by Institute of Chartered Accountants of Sri Lanka	Administrative staff	1	20,000.00
05	Certificate Course in Store Keeping (online) programme conducted by Institute of Supply and Material Management	Management Assistant (Store Keeping)	1	20,000.00
06	Transportation Management conducted by Skills Development Fund Ltd	Management Assistants	2	12,000.00
07	CA Sri Lanka 44 th National Conference of Chartered Accountants conducted by Institute of Chartered Accountants of Sri Lanka	Administrative staff (Finance)	2	60,000.00
08	Effective Filing System conducted	Management Assistant	2	27,000.00

09	Operation and preventive maintenance of Diesel Generators conducted by Skills Development Fund Ltd	Works Engineer Supervisor (Electrical) Electrician	3	30,000.00
10	Financial statements 2023 by PRAG Institute	Administrative staff (Finance)	1	13,500.00
Total			63	239,500.00

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.

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

1. Celebration of the dawn of the year 2023.
2. Organized welfare ceremonies to commemorate the retired and transferred staff members.
3. 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 Grants 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 of 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 2023

1. **Chairperson** - Dr. D A S Atukorale, Director/UCSC
2. **Adviser/IQAC** - Prof. K P Hewagamage
3. **Coordinator/IQAC** - Dr. Ms. C R Wijesinghe
4. **Deputy Registrar/PRP & IQAC** - Mrs. H P Henegama
5. **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)
 - Mr. Viraj Welgama Head/ Department of Information Systems Engineering (ISE)
6. **Coordinators of the Undergraduate/Postgraduate/External degree programmes**
 - [Mr. W V Welgama](#), Senior Lecturer Gr. I, Coordinator/Computer Science (CS) Degree Programme
 - Dr. H E M H B Ekanayake, Senior Lecturer Gr. I, 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 (MBAnalytics) 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. H E M H B Ekanayake, Senior Lecturer Gr. II, Coordinator, Master of Information Technology, (MIT) 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. M I E Wickramasinghe, Senior Lecturer Gr. II, Coordinator/ Master of Business Analytics (MBAnalytics) Programme.
 - Dr. (Ms) K H E L W Hettiarachchi, Senior Lecturer Gr. II, Academic Coordinator/BIT External Degree Programme
7. **Coordinators of the Centres (E-Learning and Professional Development,)**
 - Dr. M I E Wickramasinghe, Senior Lecturer Gr. II, Coordinator/ e-Learning Centre (eLC)
 - [Dr. P V K G Gunawardena](#), Senior Lecturer Gr. II, Coordinator/Professional Development Centre (PDC)
8. DRs/SARs of the school, representing degree programmes, and examination
9. [Dr. P V K G Gunawardena](#), Ms. N W Hettiarachchi and Mr. K A R Perera, Representative/UCSC Alumni

10. System Developers - Mr. W R N S Abeyweera (Lecturer Probationary) and Ms. J E Jayathma Chathurangani (Lecturer Probationary)
11. Staff Management Assistant - Ms N S Gajasinghe

The IQAC activities carried-out in 2023:

1. Program Review of Computer Science and Software Engineering (CS/SE) Degree Programmes conducted on 22nd and 27th June 2023. Site visit was on 27th of June 2023 **(Grade granted in the draft report A)**
2. Programme Review of Information Systems (IS) Degree Programme was conducted on 03rd and 09th of August 2023. Site visit was on 09th of August 2023 **(Grade granted in the draft report A).**
3. Gathered the necessary evidence for programme review 2023 and stored in IQAC office.
4. Evidence gathering workshops were held for each criterion in Program review.
5. Gathered the necessary evidence for Institutional review 2023.
6. The UCSC Review was conducted on 25th July 2023 under the Institutional Review of the University of Colombo.
7. Followed up the preparation of the Tracer Study of UCSC.
8. Carried out the Undergraduate Employability Survey 2023 and prepared the Survey report.
9. Carried out the BIT Employability survey and prepared the Survey report .
10. Collected student feedback on the Undergraduate Orientation program and prepared the report
11. Participated in drafting an NDA for preventing the unauthorized disclosure of confidential information relating to exam work of UoC.
12. Participated in the design of the strategic plan of CQA, UOC
13. Submitted the finalized form of Master of Computing by Research degree program for UGC concurrence through the Director/CQA
14. Collected Student Feedback on MCS/MIT/MIS/MBA Programs (2023) using Google forms.
15. Collected Feedback on Undergraduate Degree Programs/CS and IS - Semester I and Semester II using google forms (2023)
16. Collected student Feedback on External Degree Programs/BIT (2023)
17. Collected peer feedback on Teaching and Evaluation in postgraduate programs

5.2 INFRASTRUCTURE DEVELOPMENT

5.2.1 CAPITAL PROJECTS – 2023

The commenced and completed projects of UCSC in 2023 are given in the table below.

Name of the project	Project cost Ex.VAT [Rs.]	Date of commencement	Scheduled Date of Completion	Date of completion	Remarks
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	2022.10.04	2023.06.29	2023.06.26	Completed

Proposed Renovation of CDF & ELC Divisions at West Wing in 3rd & 4th Floor at University of Colombo School of Computing UCSC/W/NCB/ENG/2022/005	5,077,033.03	2023.02.06	2023.04.07	2023.04.06	Completed
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	2023.01.30	Completed
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	2022.12.26	Completed
Fabrication, Supply, Fixing and Commissioning of Kitchen Equipment's for Canteen Kitchen in the University of Colombo School of Computing, No. 35, Reid Avenue, Colombo-07. UCSC/G/NSP-2/ENG/2023/058	2,070,000.00	2023.15.09	2023.10.14	2023.10.14	Completed
Plastic chair for student common room at University of Colombo School of Computing, No. 35, Reid Avenue, Colombo-07 UCSC/P/ORD/2023/109	168,769.44	2023.11.15	2023.11.24	2023.11.24	Completed
Proposed External Waterproofing Work - Roof Top (Over Head Sump Roof Slab) for Service Block at University of Colombo School of Computing, No. 35, Reid Avenue, Colombo-07 UCSC/W/NCB/ENG/2023/03	4,596,250.00	2023.06.13	2023.08.12	2023.08.20	Completed
Proposed Fabrication of New Work Stations for Exam Division & Student Common Room in 1st Floor in East & North Wing at University of Colombo School of Computing UCSC/G/NCB/ENG/2023/05	2,783,420.00	2023.07.13	2023.10.13	2023.11.03	Completed

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 were contributed during 2023 to achieve the above objective.

5.3.1 OUTSTANDING AWARDS FOR STAFF MEMBERS

Organizer	Award Name	Awardee
University of Colombo	Vice Chancellor's Award for Research Excellence	Atukorale D.A.S. (Dr.)

5.3.2 CONTRIBUTIONS FROM UCSC STAFF MEMBERS

Name	Organization
Atukorale D.A.S. (Dr.)	<ul style="list-style-type: none"> • Visiting Lecturer - MBA Program, Faculty of Management & Finance, University of Colombo • Member of Technical Evaluation Committee – <ul style="list-style-type: none"> • Supplying, installation, training and maintaining enterprise resource planning System (ERP system): human resource management software system for the University of Colombo • Design, Supply, Installation, Commissioning & Maintenance of Online application System for One Stop Unit For development approval process within UDA • Procurement for Upgrading of Sri Lanka Customs’ Access Network Infrastructure and Security • Consultant - <ul style="list-style-type: none"> • Consultative Committee Meeting - Conversion Program or Non-IT Graduates, by the ICT Agency of Sri Lanka • Independent Evaluation on ITMIS Project- Ministry of Finance • Development of Swastha-The comprehensive Medical Supplies Information Management System - Ministry of Health • Member of the Standing Committee on Accreditation and Quality Assurance (SCAQA) of the Ministry of Education • Proctor of the IEEE IEEEExtreme Programming Competition 15.0 • 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
Hewagamage K.P. (Prof.)	<ul style="list-style-type: none"> • Senate Nominee, Council of University of Colombo • University Grant Commission – Consultant for the establishment of the Virtual University of Sri Lanka (VUSL) • University Grant Commission – advisor and consultant for online programmes and IT related activities, member of adhoc committess appointed by the Commission of UGC. • Member of Standing Committees – UGC (University Testing of English Language UTEL, IT infrastructure and online education, English as the Second Language, • National Institute of Library Science (NILIS) – Advisor and Board Member • Agriculture Faculty, Rajarata University of Sri Lanka – Advisor and Visiting Professor • Lanka Nippon BizTech Institute (LNBTI) – Academic Advisor and Visiting Professor • NAITA – Board Member • Invited for meetings as the advisor by public and private higher education institutes and several government organizations during 2023.
Sritharan T. (Dr.)	<ul style="list-style-type: none"> • Visiting Lecturer - General Sir John Kotelawala Defense University & Eastern University, Sri Lanka.
Weerasinghe T.A. (Dr.) (Ms)	<ul style="list-style-type: none"> • Resource Person - Workshop for Teachers on “Blended Teaching & Learning” held on the 28th of October 2023, organized by IHRA, University of Colombo • Writing Team Member, Institutional Review, University of Colombo • Coordinator for International Institute of Online Education (iioe.org), University of Colombo • Deputy Director- Learning Resources, Centre for Open and Distance Learning, University of Colombo

5.4 UCSC CONTRIBUTION TO SUSTAINABLE DEVELOPMENT GOALS (SDG) – 2023

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 2023-2027 and the action plan 2023.

5.4.2 UCSC CONTRIBUTION TO SUSTAINABLE DEVELOPMENT GOALS (SDG) FOR THE YEAR 2023

GOAL 1: No Poverty

Goal No.	Description of goal	UCSC activities in line with SDGs	2023 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.	<p>Tuition fees are not charged from undergraduate students under free education policy.</p> <p>Mahapola and Bursary scholarships are provided using government funds.</p> <p>Also private funds provide special scholarships for low income students by donors.</p> <p>Special scholarships are provided using UCSC generated income.</p> <p>Special supports (financial and equipment) are provided through UCSC Alumni association.</p> <p>Providing hostel facilities for low income students</p>	Increase student intake over 400

GOAL 2: Zero Hunger

Goal No.	Description of goal	UCSC activities in line with SDGs	2023 progress	Target by 2030
02	End hunger, achieve food security and improved nutrition and promote sustainable agriculture	<p>Subsidised 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.</p> <p>UCSC conducts research work to promote sustainable and smart agriculture.</p>	<p>Special financial assistance were provided for students who lost their parents.</p> <p>Students were able to purchase canteen food at subsidised rates as UCSC provided utilities and services (water / electricity / premises / equipment) to the canteen.</p>	<p>Improve existing canteen facilities and provide high-quality food for students and staff.</p> <p>Provide financial assistance for low-income students.</p> <p>Improve activities with respect to staff welfare.</p>

			UCSC funded for research work to promote sustainable and smart agriculture.	Carry out ICT research related to smart agriculture.
--	--	--	---	--

GOAL 3: Good Health and Well-being

Goal No.	Description of goal	UCSC activities in line with SDGs	2023 progress	Target by 2030
03	Ensure healthy lives and promote well-being for all at all ages	<p>UCSC has implemented a Medical scheme for its staff and arranged awareness programmes.</p> <p>The medical center provides medical assistance for UCSC students free of charge and UCSC provides free transport facilities for students up to National Hospital Colombo if required depending on the circumstances.</p> <p>Distress loan scheme facilitates staff to seek funds when they are in distress.</p> <p>Improve the environment safe while maintaining a clean environment to ensure a Dengue free and mosquito-free environment.</p> <p>Counseling service to staff and students.</p>	<p>Using the medical support scheme, the staff and their immediate family members were supported during 2023.</p> <p>Maintain hand washing facilities at the entrance.</p> <p>Professional counseling was provided to both staff and students.</p>	<p>Improve the level of satisfaction of staff and students.</p> <p>Enhance current health care facilities for all students & staff by 2030.</p> <p>Improve the counseling service and reduce the number of student and staff obtaining the counseling facilities.</p>

GOAL 4: Quality Education

Goal No.	Description of goal	UCSC activities in line with SDGs	2023 progress	Target by 2030
04	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	<p>UCSC provides equitable and quality education. Offer the following.</p> <ol style="list-style-type: none"> 1. BSc. Degree programs for areas in computing (5 degrees) under free education policy. 2. Certificate, Diploma and Higher Diploma courses 3. BIT degree for external students 4. FIT programme as the foundation programme for those who are willing to improve their ICT knowledge and skills 5. Postgraduate degree programs in 6 areas of specialization <p>UCSC has full time and visiting professors and senior academic staff to deliver high-quality</p>	<p>All online lectures were recorded allowing students to access them in both synchronized and asynchronous modes.</p> <p>Free Internet access was provided when accessing UCSC online learning environment and participating online meeting through Zoom service.</p> <p>Many quality assurance activities were carried out during 2023 to improve the process of education deliver while collecting students feedback at regular time points during the semester.</p> <p>Curriculum development of BIT and FIT programs were carried out to improve the quality of</p>	<p>Meet quality assurance indicators introduced by UGC from time to time to ensure high-quality education and international standards</p>

		teaching and research to students and it has over 90% employability rate among students. Most of the senior academic staff possess PhDs.	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. Undergraduate degree programmes (Computer Science and Information System) were accredited by the UGC and obtained an “A” grade.	
--	--	--	--	--

GOAL 5: Gender Equality

Goal No.	Description of goal	UCSC activities in line with SDGs	2023 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	Gender 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 2023. 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. UCSC IEEE WIE (Women in Engineering) group organized many activities.	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	2023 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 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. UCSC maintains a clean water reservation of more than 50,000 Liters. Adequate washroom facilities and sewage disposal were maintained.	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	2023 progress	Target by 2030
07	Ensure access to affordable, reliable, sustainable and modern energy for all	<p>Introduce energy-saving activities and make use of efficient energy.</p> <p>Consider energy saving when acquiring new equipment for students and staff.</p>	<p>According to the energy saving policy, low consumption equipment such as LED bulbs were used to replace when it is necessary.</p> <p>Monitor the energy usage to take actions to minimize the energy consumption.</p> <p>Practiced the formal policy on Energy savings.</p> <p>Many repair activities with respect to electricity supply were carried out to minimize the electricity wastage.</p>	Save energy by 15% introducing new technology including solar technology.

GOAL 8: Decent Work and Economic Growth

Goal No.	Description of goal	UCSC activities in line with SDGs	2023 Progress	Target by 2030
08	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all	<p>Produce quality graduates to contribute to national development of the country.</p> <p>Employability of UCSC graduates to maintain over 90%.</p> <p>Improve the working standard of staff.</p>	<p>Carried out employability survey of different groups of graduates.</p> <p>Staff promotional activities were carried out through the welfare society of UCSC</p>	<p>Maintain over 90% employability and produce competitive, innovative, creative and high-quality graduates through Research & Development (R&D)</p> <p>Stable economic growth in the UCSC irrespective of government funds</p>

GOAL 9: Industry, Innovation and Infrastructure

Goal No.	Description of goal	UCSC activities in line with SDGs	2023 progress	Target by 2030
09	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation	<p>Upgrade the infrastructure with modern technologies to provide high-quality education for IT graduates based on the industry demand</p> <p>Develop the curriculum of current programs and start new programs based on the market requirement</p> <p>Obtain recommendation from Industry consultative academia board for the curriculum revision.</p> <p>Promote innovation as a curriculum as well as</p>	<p>IT infrastructure was enhanced to meet the industry needs.</p> <p>All meetings were facilitated through Zoom service interaction among staff.</p> <p>Activities related to the capital development were carried out during to upgrade the infrastructure.</p> <p>Many projects were supported for innovative development considering current economy crises in the country.</p> <p>UCSC ICTer Conference and Journal was one of the mechanism for knowledge dissemination to</p>	<p>Innovation will be considered when assessing student performance-based evaluation.</p> <p>Establish environment-friendly sustainable physical and IT infrastructure in the organization.</p> <p>Contribute to the national</p>

		extracurricular activity among students and staff Support for students' innovation achievements.	promote industrialization and innovation. Enhancement courses and Tech talks conducted by the industrial experts to promote innovation.	innovation in Sri Lanka
--	--	---	--	-------------------------

GOAL 10: Reduced Inequality

Goal No.	Description of goal	UCSC activities in line with SDGs	2023 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. Conduct cultural events to promote equality among different ethnic groups.	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 international languages. Staff was promoted to continue their education.	Produce a graduate pool who compliance with global work force.

GOAL 11: Sustainable Cities and Communities

Goal No.	Description of goal	UCSC activities in line with SDGs	2023 progress	Target by 2030
11	Make cities and human settlements inclusive, safe, resilient and sustainable	Work with local authorities and law and enforcement to enhance digital transformation. Promote waste management through separation of garbage disposal and recycling.	UCSC worked with several local authorities and law and enforcement entities to digital transform their processes. All discarded and waste papers at the institution were recycled with the Paper Corporation.	Converting UCSC to a green building concept.

GOAL 12: Responsible Consumption and Production

Goal No.	Description of goal	UCSC activities in line with SDGs	2023 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	UCSC continued to monitor consumption of materials. Repaired many equipment such as furniture and electrical equipment to reuse them. 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.

		environment damages.	When replacing equipment significant consideration was given for energy efficiency.	Maintain a good waste management and recycling system.
--	--	----------------------	---	--

GOAL 13: Climate Action

Goal No.	Description of goal	UCSC activity in line with SDGs	2023 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. 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	2023 progress	Target by 2030
14	Conserve and sustainably use the oceans, seas and marine resources for sustainable development	Improve the waste water management in the organization	Introduced a waste water management system to canteen kitchen	Implementing waste water management system.

GOAL 15: Life on Land

Goal No.	Description of goal	UCSC activity in line with SDGs	2023 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		

GOAL 16: Peace and Justice Strong Institutions

Goal No.	Description of goal	UCSC activities in line with SDGs	2023 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, sexual harassment or race 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	2023 progress	Target by 2030
17	Strengthen the means of implementation and revitalize the global partnership for sustainable development	<p>UCSC has established partnerships with IT industry/organizations locally and globally for the betterment of its students and staff</p> <p>UCSC adopts policies to promote sustainable development</p>	<p>PDC continued its activities to promote better relationship between academia and industry</p> <p>UCSC took part actively many national initiatives and projects</p> <p>UCSC staff were promoted to actively contribute national development to improve partnership</p> <p>UCSC actively contributed main campus, UGC and other universities to improve the partnerships</p> <p>International collaboration such as European Union cybersecurity.</p>	Achieve the status of development with sustainability as the main indicator of achievement in local and global.

6.FINANCE

6. FINANCE

According to the financial regulations, it is required to submit the 2023 annual financial statements within the first two months of 2024 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 2023.

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 2023, the recurrent expenditure of Rs. 447,293/= has been spent per student basis.

In general, the recurrent expenditure is 601.54 million, out of which 214.20 million was the generated income of UCSC. In other words, 35.60% 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	2023	2022	2021
Personal Emoluments	376,632	367,892	329,870
Travelling	149	149	179
Supplies	11,384	13,825	8,200
Maintenance	12,699	7,095	4,202
Contractual Services	56,482	32,724	27,054
Other	144,193	127,116	181,052
Total	601,539	548,801	550,557
Government Allocation	387,333	404,800	392,180

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 2023 with 2022 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.66.50 million, out of which Rs. 39.8 million was the generated income of UCSC. In general, the capital expenditure per student is Rs. 61,181/=. Details of capital expenditure are given in the table below (Capital Expenditure).

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

Subject	2023	2022	2021	2020
Acquisition of Furniture, Office Equipment Other Fixed Assets	41,578	80,614	23,059	14,445
Rehabilitation and Improvement of Building & Structures	24,926	98,386	50,112	27,140
Total	66,504	179,000	73,171	41,585
Government Allocation	25,000	54,262	60,000	23,000

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)	7,483	-	251	926
Research Projects (foreign funded)		-	792	1,617
Consultancy & Software Dev. Type of Projects	10,000	8,159	8,159	4,658
Total	17,483	8,159	9,202	7,201

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	7,228	18,633	18,633	11,405
Postgraduate Studies	66,239	85,141	85,141	18,902
Consultancies	18,000	2,398	2,061	(15,939)
External Degree	151,717	137,737	137,737	(13,980)
Other	80,000	80,456	80,456	456
Total	323,734	324,365	324,028	844

6.4.1 FINANCIAL PERFORMANCE ANALYSIS

Table 6.4.1. A: Financial Performance Analysis – 2023 Rs. 000'

Subject	Formula	Exp. per Student
Recurrent Expenditure per Student (RE)	RE / Total No of Student strength	447,293
Capital Expenditure per Student (CE)	CE Total / No of Student strength	61,181
Cost per Student		508,474

6.4.2 ANALYSIS OF THE FINANCIAL DETAILS OF THE UNDERGRADUATE PROGRAMME

RS '000

	2023	%	2022	%	2021	%	2020	%
Personal Emoluments	376,632		367,893		326,363		316,053	
Other Recurrent	176,236		81,253		74,163		53,479	
Total Recurrent Expenditure	552,868		449,146		400,526		369,532	
Recurrent Grant Received	387,333	70	404,800	90	392,180	98	357,880	97
Generated Funds for Recurrent Activities	165,535	30	44,346	10	8,346	2	11,652	3
Capital Expenditure	66,504		179,000		73,171		41,585	
Capital Grant Received	26,651	40	54,262	30	60,000	82	23,000	55
Generated Funds for Capital Activities	39,853	60	124,738	70	13,171	18	18,585	45
Total Expenditure (Recurrent + Capital)	619,372		628,146		473,697		411,121	
Total Government and other Grants	413,984	67	459,062	73	452,180	95	380,880	93
Generated funds for Undergraduate Program	205,388		169,084		21,517		30,241	
Generated Funds utilization as a % of total Expenditure		33		27		5		7

I. STATEMENT OF FINANCIAL POSITION

AS AT 31 ST DECEMBER	Notes	2023 Rs	2022 Re-stated Rs
ASSETS			
Current Assets			
Cash & Cash Equivalents	1	186,821,413	129,033,443
Loans Receivable - Within One Year	2	5,272,595	5,042,352
Investments - Mature within One Year	1.1	1,725,108,517	1,409,000,444
Other Receivables, Deposits & Pre-payments	3	10,719,650	41,535,033
Interest Receivables	4	158,807,464	142,438,512
Inventories	5	7,562,543	8,938,061
Total Current Assets		2,094,292,183	1,735,987,847
Non-Current Assets			
Loans Receivable - More than One Year	2	8,509,573	10,538,664
Investments - Mature after One Year	1.1	71,161,519	43,742,158
Construction Work in Progress	6	-	15,743,865
Library Books & Periodicals	7	22,582,871	28,206,419
Property, Plant & Equipment	8	1,538,964,885	1,598,407,032
Intangible Assets	9	35,455,496	37,651,503
Total Non-Current Assets		1,676,674,345	1,734,289,642
TOTAL ASSETS		3,770,966,528	3,470,277,490
EQUITY & LIABILITIES			
Current Liabilities			
Accruals & Other Payables	10	34,744,277	28,083,417
Creditors		2,112,641	397,909
Retention		4,578,218	3,085,960
Provisions	11	2,696,973	2,602,907
Deferred Income	12.1	41,441,104	103,833,508
Total Current Liabilities		85,573,213	138,003,701
Non-Current Liabilities			
Deferred Income	12.2	71,498,341	43,976,500
Retirement Benefit Obligation - Gratuity	13	126,259,087	109,625,888
Total Non-Current Liabilities		197,757,428	153,602,388
TOTAL LIABILITIES		283,330,642	291,606,088
TOTAL NET ASSETS / EQUITY		3,487,635,886	3,178,671,401
ACCUMULATED RESERVES & FUNDS			
Accumulated Fund - Capital	14	715,485,309	797,929,757
Accumulated Fund - Current	15	1,396,801,138	1,074,057,243
Project Grants	16	15,161,257	11,462,148
Contribution from University of Colombo		8,155,714	8,155,714
Revaluation Reserve	17	946,360,234	946,360,234
Restricted Funds	18	405,672,235	340,706,305
TOTAL NET ASSETS / EQUITY		3,487,635,886	3,178,671,401

.....
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/ Chairman Board of
Management

.....
Member/ Board of
Management

II. STATEMENT OF FINANCIAL PERFORMANCE

FOR THE YEAR ENDED 31ST DECEMBER		Notes	2023 Rs	2022 Re-stated Rs
Revenue				
Revenue from Non-Exchange Transactions - Current				
Government Grant for Recurrent Expenditure			387,333,333	399,605,000
Grant for Student Bursary			4,776,000	5,195,400
Total Revenue from Non-Exchange Transactions- Current			392,109,333	404,800,400
Revenue from Exchange Transactions - Current				
Interest Income	28		286,760,547	144,435,272
Other Internal Income	29		18,632,524	16,666,866
Actuarial Gain			7,672,797	11,555,164
Exchange Gain			-	2,536
Revenue from Extension Program	30		277,995,974	255,644,457
Revenue From Projects	31		19,727,194	14,026,031
Total Revenue from Exchange Transactions- Current			610,789,035	442,330,325
Total Revenue - Current			1,002,898,368	847,130,725
Revenue from Non-Exchange Transactions - Capital				
Government Grant for Capital Expenditure			25,000,000	54,262,766
Project Grant for Capital Expenditure			-	786,397
Donation			18,817	1,464,390
AHEAD Grant			1,631,299	8,803,232
Total Revenue from Non-Exchange Transactions- Capital			26,650,116	65,316,784
Total Revenue - Capital			26,650,116	65,316,784
Total Revenue			1,029,548,484	912,447,510
Operating Expenditure - Current				
Personal Emoluments	32		305,195,617	304,234,101
Travelling Expenses	33		149,502	148,525
Supplies	34		11,384,362	13,825,475
Contractual Services	35		69,181,416	39,818,863
Retirement Benefits	36		71,436,666	63,658,550
Other Recurrent Expenses	37		22,662,717	19,977,935
Mahapola & Bursary Payment			4,776,000	5,195,400
Disposal Loss			415,346	710,587
Exchange Loss			1,006,222	-
Expenditure for Extension Program	38		100,729,785	99,839,881
Expenditure for Projects	39		19,379,140	6,587,760
Total Operating Expenditure - Current			606,316,773	553,997,076
Non-Operating Expenditure				
Depreciation & Amortization Expenses	40		149,251,460	105,514,910
Total Non-Operating Expenditure			149,251,460	105,514,910
Total Expenses			755,568,233	659,511,986
Total Surplus Deficit for the Year			273,980,250	252,935,523
Current Surplus/ (Deficit) for the Year			396,581,595	293,133,649
Capital Surplus/ (Deficit) for the Year			(122,601,344)	(40,198,125)

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

III. STATEMENT OF CHANGES IN EQUITY

<i>FOR THE YEAR ENDED 31ST DECEMBER</i>	Accumulated Fund - Capital Rs	Accumulated Fund - Current Rs	Project Grants Unspent Rs.	Contribution from UoC Rs.	Revaluation Reserve Rs.	Restricted Funds Rs.	Total Rs
Balance as at 01st January 2023	716,931,493	913,867,790	12,226,200	8,155,714	131,897,080	291,106,911	2,074,185,190
Transfer Surplus/ (Deficit) during the year	(40,198,125)	293,133,649	-	-	-	-	252,935,526
Grant Received During the Year	-	-	6,427,125	-	-	-	6,427,125
Transferred During the Year from Unspent Grant to Income	-	-	(7,191,179)	-	-	-	(7,191,179)
Transferred During the Year	121,196,389	(118,182,343)	-	-	815,645,681	33,655,011	852,314,740
Transfer from Revaluation Reserve to Accumulated Fund - Current	-	1,182,530	-	-	(1,182,530)	-	-
Transfer Other Allocations to Restricted Fund	-	(15,944,383)	-	-	-	15,944,383	-
Balance as at 31st December 2022	797,929,757	1,074,057,243	11,462,148	8,155,714	946,360,234	340,706,305	3,178,671,401
Transfer Surplus/ (Deficit) during the year	(122,601,344)	396,581,595	-	-	-	-	273,980,250
Grant Received During the Year	-	-	10,937,853	-	-	-	10,937,853
Grant Spent During the Year	-	-	(7,238,743)	-	-	-	(7,238,743)
Write off Overprovision	-	1,342,334	-	-	-	-	1,342,334
Transferred to Income	-	(1,769,000)	-	-	-	-	(1,769,000)
Transferred During the Year	303,100	-	-	-	-	30,399,173	30,702,273
Transfer UCSC Allocation	39,853,796	(38,844,277)	-	-	-	-	1,009,519
Transfer Other Allocations to Restricted Fund	-	(34,566,757)	-	-	-	34,566,757	-
Balance as at 31st December 2023	715,485,309	1,396,801,138	15,161,257	8,155,714	946,360,234	405,672,235	3,487,635,886

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

IV. STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED 31 ST DECEMBER	Note	2023 Rs.	2022 Re-stated Rs
Cash Flows From/ (Used in) Operating Activities			
Surplus / (Deficits) for the Year		273,980,250	252,935,523
Adjustment for :			
Depreciation & Amortization		149,251,460	105,514,910
Provision for Gratuity		27,075,924	19,533,113
Transferred from Reserves		(1,769,000)	-
Write Off		35,0000	157,901
(Profit)/ Loss from Sales of Property, Plant & Equipment		415,346	710,587
Interest Income		(286,760,547)	(144,435,272)
Exchange Gain / (Loss)		2,001,839	(6,315,285)
Actuarial Gain / (Loss)		(7,672,797)	(11,555,164)
Provision of Audit Fee		1,318,966	820,000
Provision for ICTer Conference		958,050	-
Donation		(18,817)	(1,464,390)
AHEAD Grant		(1,631,299)	(8,803,232)
Net Cash Flow from Operating Activities before Working Capital Changes		157,184,376	207,098,691
(Increased) / Decreased in Inventories		1,375,518	(5,911,274)
(Increased) / Decreased in Other Receivables & Pre-payments		30,780,382	(32,140,683)
(Increased) / Decreased in Staff Loan Receivables		1,798,848	2,277,526
Increased / (Decreased) in Accruals & Payables		6,235,025	(4,071,683)
Increased / (Decreased) in Creditors		2,112,641	-
Increase / (Decrease) in Deferred Income		(34,870,562)	15,760,483
Net Cash Flow from Operating Activities after Working Capital Changes		164,616,227	183,013,061
Gratuity Paid		(2,769,928)	(1,508,729)
Audit Fee & other provisions Paid		(840,618)	(994,900)
Net Cash Generated/ (Used) From Operating Activities		161,005,681	180,509,432
Cash Flows From/(Used In) Investing activities			
Acquisition of Property, Plant & Equipment		(24,907,766)	(76,957,239)
Work in Progress - Construction		(39,946,006)	(93,135,833)
Proceeds from Sales of Property, Plant & Equipment		145,750	580,475
Rehabilitation & Improvement of Capital Assets		-	(4,427,025)
Received in Interest		262,408,765	81,542,393
Funds invested in Fixed Deposits		(557,580,917)	(1,225,067,310)
Withdrawals of Fixed Deposits		214,053,483	1,134,685,144
Net Cash Generated/ (Used) From Investing Activities		(145,826,691)	(182,779,395)
Cash Flows from/(Used In) Financing Activities			
Transfer to Income from Project Grant Received		(7,238,743)	(7,191,179)
Project Grant Received		10,937,853	6,427,125
Net Receipts/Payments from Restricted Funds		40,911,711	20,151,670
Net Cash Generated/ (Used) From Financing Activities		44,610,821	19,387,616
Net Increase/Decrease in Cash and Cash Equivalents		59,789,810	17,117,652
Cash and Cash Equivalents at the Beginning of the Year		129,033,444	105,600,504
Adjustment of Exchange Gain / (Loss)		(2,001,839)	6,315,285
Cash and Cash Equivalents at the End of the Year		186,821,413	129,033,443

"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 the 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 2023 to 31st December 2023.

1.4 Date of Authorization for Issue

The financial statements were authorized for issue by the 280th of Board of Management held on 22nd February 2024.

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, and 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.

According to the UCSC Policy, University Cloaks are not recognized under the Property, Plant and Equipment. Instead of that, Cloaks are recorded in a separate Inventory register and all the movements of the cloaks are also recorded in the register.

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 De-recognized 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-recognized 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 as 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

2.1.5 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 an asset 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 2023. 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.

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. The 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. 387.33 Mn. was received as a recurrent grant for the year 2023.

- 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.25Mn. received as a Government Capital Grant.

- 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 for on an 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. However, as a UCSC policy Interest income received on behalf of funds / Specific Allocation are credited into the respective fund allocation A/C.

(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 Accumulated Fund.

(e) Other Income

Any other income not specified under the 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 comprised of 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	2023	2022
	Rs.	Rs.
SHORT TERM INVESTMENT		
Fixed Deposits - Undergraduate	70,667,127	33,325,140
Fixed Deposits - Postgraduate	14,517,738	11,964,017
Fixed Deposits - EDC	9,905,129	-
Fixed Deposits - ICTer	1,347,490	1,131,938
Fixed Deposits - Projects	2,158,413	-
Subtotal	98,595,896	46,421,096
BANK CURRENT ACCOUNTS		
Treasury Funds		
Bank A/C - 086-1-001-2-1190316 (Recurrent)	11,141,080	16,471,225
Bank A/C - 086-1-001-9-0011416 (Capital)	996,817	1,147,081
Non- Treasury Funds		
Bank A/C- 086-2-001-0-1190316 (Repo)	3,296,012	5,815,517
Bank A/C- 086-1-001-0-1189700 (Payment Gateway)	9,268,986	3,257,301
Bank A/C- 086-1-001-0-0011331 (M. Sc. Payment)	1,447,405	1,878,187
Bank A/C- 086-1-001-5-1189665 (M. Sc. Collection)	3,914,040	6,656,245
Bank A/C- 086-1-001-0-0005542 (R & D)	821,333	552,261
Bank A/C- 086-1-001-3-0018190(Student Distress)	2,769,041	3,664,632
Bank A/C- 086-1-001-4-1190688(Research Commercialization)	988,780	1,548,755
Bank A/C- 086-1-001-3-1189727(Pre-paid Debit Card)	87,846	97,708
Bank A/C- 086-1-001-1-1189667 (EDC Collection)	1,681,102	3,457,047
Bank A/C- 086-1-001-2-0011330 (EDC Payments)	2,428,466	575,216
Bank A/C- 086-1-001-01190483 (CSC)	1,318,921	784,037
Bank A/C- 086-1-001-20012363 (CDF)	785,805	1,854,827
Bank A/C- 0296 000 3414	-	500
Bank A/C- 086-1-001-83254898 (e LC)	1,039,618	3,540,565
Bank A/C- 086-1-001-51189694 (ADMTC)	1,936,642	1,205,736
Bank A/C- 086-1-001-1-1191222 (Projects)	1,390,184	631,977
Bank A/C- 086-1-001-5-0014624 (Medical)	1,698,984	233,653
Bank A/C- 086-4-071-0-1191222 (RFC)	15,101,003	19,085,828
Bank A/C- 086-1-001-3-1189732 (ICTer)	825,404	1,275,335
Bank A/C- 086-1-001-7-1189706 (Error Collection)	13,543	13,543
Bank A/C- 086-4-021-2-1190316 (US Dollar)	17,470,527	8,865,171
Bank A/C- 91780300	15,000	-
Subtotal	80,436,539	82,612,348
BANK SAVINGS ACCOUNT		
Bank A/C - 117561006098 (IPG)	7,788,978	-
	7,788,978	-
TOTAL	186,821,413	129,033,443

NOTE 01.01 INVESTMENT

<i>AS AT 31ST DECEMBER</i>	Balance as at 01.01.2023 Rs.	Added to Deposits During the Year Rs.	Withdrawals During the Year Rs.	Balance as at 31.12.2023 Rs.
NOTE 01.01 INVESTMENT - MATURE WITHIN ONE YEAR				
Undergraduate	52,843,042	14,550,495	-	67,393,537
Postgraduate	517,213,902	133,666,198	34,010,339	616,869,761
EDC	556,234,327	220,775,158	96,700,857	680,308,627
CSC	54,803,506	16,496,703	-	71,300,209
eLC	134,674,703	38,805,795	-	173,480,497
ADMTC	17,327,513	3,864,804	-	21,192,317
Common Projects	68,260,579	26,245,689	9,162,519	85,343,749
ICTer	7,642,872	4,795,196	3,218,250	9,219,818
Subtotal	1,409,000,444	459,200,037	143,091,964	1,725,108,517
NOTE 01.01 INVESTMENT – MATURE AFTER ONE YEAR				
eLC	200,000	-	-	200,000
Postgraduate	43,542,158	98,380,880	70,961,519	70,961,519
Subtotal	43,742,158	98,380,880	70,961,519	71,161,519
TOTAL	1,452,742,602	557,580,917	214,053,483	1,796,270,037

NOTE 02 LOAN RECEIVABLES

<i>AS AT 31ST DECEMBER</i>	Recover Within One Year Rs.	Recover after one Year Rs.	Total 31.12.2023 Rs.
Distress Loan	4,831,125	7,790,438	12,621,563
Computer Loan	12,000	5,500	17,500
Vehicle Loan	53,678	78,205	131,883
Staff Loan	4,080	15,470	19,550
Special Computer Loan	371,712	619,960	991,672
TOTAL	5,272,595	8,509,573	13,782,168
	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
Staff Loan	5,100	19,380	24,480
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 PRE-PAYMENTS

<i>AS AT 31ST DECEMBER</i>	2023 Rs.	2022 Re-stated Rs.
Festival Advances	53,750	7,800
Special Advance	4,000	4,000
Miscellaneous Advance	-	100,000
Supplies Advance	390,940	-
<i>Deposits</i>		
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 -ANCL	97,500	97,500
Rent Deposit -Battaramulla Hostel	1,278,750	1,200,000
Rent Deposit -Kohuwala Hostel	159,000	-
Felix Perera & Sons- Fuel	85,275	85,275
Refundable Deposits - CEB	4,000,000	4,000,000
Water Mart Systems (Pvt) Ltd	46,000	16,000
<i>Other Receivables</i>		
Stamps	7,431	2,047
Sundry Receivable	2,377,040	34,223,026
Pre-payments	2,164,964	1,744,385
TOTAL	10,719,650	41,535,033

NOTE 04 INTEREST RECEIVABLE

Undergraduate	5,640,804	2,347,815
ADMTC	1,142,673	1,573,478
Postgraduate	63,506,372	69,657,672
EDC	67,895,814	55,440,787
CSC	3,955,653	3,595,249
eLC	9,204,305	5,245,108
Common Projects	7,206,141	4,339,674
ICTer	255,702	238,729
TOTAL	158,807,464	142,438,512

NOTE 05 INVENTORIES

Stock of Stationery - Central Stores	3,933,516	5,005,648
Stock of Fuel	1,202,932	2,356,033
Stock of Engineering Division	2,426,095	1,576,380
TOTAL	7,562,543	8,938,061

NOTE 06 CONSTRUCTION WORK IN PROGRESS

<i>Description</i>	Canteen Building	WIP-Ren.of 3rd & 4th Floor W.	Heavy Duty GI Storage Room	Student Common Study Room	Total Rs.
Balance as at 01.01.2023	13,819,321	-	1,924,544	-	15,743,865
Add: Additions During the Year	30,410,599	4,431,244	1,141,506	3,962,656	39,946,006
Less: Transferred During the Year	(44,229,920)	(4,431,244)	(3,066,050)	(3,962,656)	(55,689,871)
Balance As at 31.12.2023	-	-	-	-	-

NOTE 07 LIBRARY BOOKS & PERIODICALS

Description	Library Books & Periodicals Rs
Cost:	
Balance as at 01.01.2023	28,224,248
Adjustment to the opening Balance	(17,829)
Adjusted balance as at 01.01.23	28,206,419
Add: Donation During the Year	18,817
Balance as at 31.12.2023	28,225,237
Provision for Depreciation:	
Balance as at 01.01.2023	-
Add: Depreciation During the Year	5,642,366
Balance as at 31.12.2023	5,642,366
Carrying Value as at 31.12.2023	22,582,871
Adjusted Carrying Value as at 31.12.2022	28,206,419

NOTE 08 : PROPERTY , PLANT AND EQUIPMENT

Description	Laboratory, Studio & Teaching Equipment	Furniture & Fittings	Office Equipment	Computer & Network Equipment	Electrical & Maintenan ce Equipment	Motor Vehicles	Buildings	Electricity Connection	Water Supply System	Total
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
Cost:										
Balance as at 01.01.2023	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
Adjustment - AHEAD Grant	623,268	8,803,564	2,633,255	10,368,516	32,200	-	-	-	-	22,460,803
Adjustments - Other	-	-	1,326,900	-	-	-	(1,326,900)	-	-	-
Adjusted Balance as at 01.01.2023	28,896,107	66,151,005	81,205,133	134,366,161	3,467,144	11,450,000	1,314,498,100	24,023,353	22,808,402	1,686,865,405
Addition for the year	1,532,248	4,278,755	2,726,243	4,029,649	2,312,650	-	58,490	-	-	14,938,035
Addition for the year - AHEAD Grant	518,052	-	-	980,997	132,250	-	-	-	-	1,631,299
Transferred From Working Progress	-	3,066,050	-	-	-	-	52,623,821	-	-	55,689,871
Addition for the year due to adjustments	1,500	4,100	179,000	68,500	50,000	-	-	-	-	303,100
Disposal During the Year	(49,527)	(73,271)	(94,940)	(615,464)	(780)	-	-	-	-	(833,982)
Balance as at 31.12.2023	30,898,380	73,426,639	84,015,436	138,829,843	5,961,264	11,450,000	1,367,180,411	24,023,353	22,808,402	1,758,593,727

Description	Laboratory, Studio & Teaching Equipment Rs	Furniture & Fittings Rs	Office Equipment Rs	Computer & Network Equipment Rs	Electrical & Maintenan ce Equipment Rs	Motor Vehicles Rs	Buildings Rs	Electricity Connection Rs	Water Supply System Rs	Total Rs
Provision for Depreciation										
Balance as at 01.01.2023	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	82,419,242
Adjustments - AHEAD Grant	90,160	900,613	707,336	4,285,119	5,734	-	-	-	-	5,988,963
Adjustments - Other	-	-	66,890	-	-	-	(16,723)	-	-	50,168
Adjusted Balance as at 01.01.2023	5,317,468	5,923,994	12,393,382	26,558,835	658,957	4,580,000	16,386,027	7,516,349	9,123,360	88,458,373
Depreciation During the Year	5,832,163	6,002,396	15,827,880	25,221,407	702,628	2,290,000	67,042,969	2,402,335	2,280,840	127,602,618
Depreciation During the Year - AHEAD Grant	195,336	880,356	526,651	2,212,387	26,006	-	-	-	-	3,840,735
Disposal During the Year	(16,988)	(12,566)	(31,951)	(211,113)	(268)	-	-	-	-	(272,886)
Balance as at 31.12.2023	11,327,978	12,794,180	28,715,963	53,781,516	1,387,323	6,870,000	83,428,997	9,918,684	11,404,201	219,628,841
Carrying Value as at 31.12.2023	19,570,401	60,632,459	55,299,473	85,048,327	4,573,941	4,580,000	1,283,751,414	14,104,669	11,404,202	1,538,964,885
Adjusted Carrying Value as at 31.12.2022	23,578,639	60,227,011	68,811,750	107,807,326	2,808,187	6,870,000	1,298,112,073	16,507,004	13,685,042	1,598,407,032

NOTE 09 INTANGIBLE ASSETS

Software	2023 Rs	2022 Rs
Cost:		
Balance as at 01.01.2023	47,628,091	10,411,831
Acquired During the Year	9,969,731	37,216,260
Disposed During the Year	-	-
Balance as at 31.12.2023	57,597,822	47,628,091
Amortization:		
Balance as at 01.01.2023	9,976,587	2,082,367
Amortized During the Year	12,165,739	7,894,220
Balance as at 31.12.2023	22,142,327	9,976,587
Carrying Value as at 31st December	35,455,496	37,651,503

NOTE 10 ACCRUALS AND OTHER PAYABLES

AS AT 31 ST DECEMBER	2023 Rs.	2022 Re-stated Rs.
Stamp Duty Payable	21,550	18,150
Social Security Contribution Levy Payable	1,194,691	581,130
Amalgamated Club Fee	371,700	148,100
Student Union	1,138,051	1,374,451
Student Charter Fee	127,000	127,000
Refundable Library Deposits - M.Sc.	2,060,000	3,740,000
Refundable Library Deposits - M.Phil.	332,500	77,500
Other Refundable Deposits	164,873	45,000
Career Fair	-	98,349
Network Operating Centre Payable	322,379	423,500
Salaries Payable	4,905,378	3,609,801
Accrued Expenses	18,120,277	10,871,585
Other Payable	333,790	518,464
University Provident Fund Payable	994,489	784,787
Staff Insurance Recovery	231,250	241,490
Medical Fee	3,753,801	3,194,801
Employees' Trust Fund Payable	121,520	100,727
Employees' Provident Fund Payable	11,927	41,229
Annual Maintenance Fee	-	1,337,352
TA BOT in Moodle Project	-	600,000
Canteen Deposit	75,000	150,000
Student Activity	250,000	-
APIT Payable	214,100	-
TOTAL	34,744,277	28,083,417

NOTE 11 PROVISIONS

Provision for Electricity	-	1,342,332
Provision for the Audit Fee	1,738,923	1,260,575
Provision for ICTer Conference	958,050	-
	2,696,973	2,602,907

NOTE 12 DEFERRED INCOME

<i>AS AT 31ST DECEMBER</i>	2023 Rs.	2022 Re-stated Rs.
Total Deferred Income	112,939,446	147,810,008
TOTAL	112,939,446	147,810,008

NOTE 12.1 DEFERRED INCOME UNDER CURRENT LIABILITY

Postgraduate	27,739,372	76,689,000
External Degree Centre	9,068,458	25,839,008
Computing Service Centre	3,233,274	1,305,500
ADMTC	1,400,000	-
TOTAL	41,441,104	103,833,508

NOTE 12.2 DEFERRED INCOME UNDER NON-CURRENT LIABILITY

Postgraduate	71,498,341	43,976,500
TOTAL	71,498,341	43,976,500

NOTE 13 RETIREMENT BENEFIT OBLIGATION - GRATUITY

<i>AS AT 31ST DECEMBER</i>	Undergraduate Rs	Total Rs
-	-	-
Balance as at 01.01.2022	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
Additions During the Year	27,075,924	27,075,924
Actuarial Gain	(7,672,797)	(7,672,797)
Payments During the Year	(2,769,928)	(2,769,928)
Balance as at 31.12.2023	126,259,087	126,259,087

NOTE 14 ACCUMULATED FUND - CAPITAL

<i>AS AT 31ST DECEMBER</i>	2023 Rs.	2022 Re-stated Rs.
Balance Beginning of the Year	797,929,757	716,931,493
Capital Surplus / (Deficit) During the Year	(122,601,344)	(40,198,125)
Transferred During the Year	40,156,896	121,196,389
Balance Ending of the Year	715,485,309	797,929,757

NOTE 15.1 CAPITAL GRANT SPENT AND UNSPENT

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	-	(105,514,910)	-	-	-	187,806,764	787,158,607
Adjustment due to AHEAD Grant	10,771,150	-	-	-	-	-	-	10,771,150
Subtotal	715,637,903	-	(105,514,910)	-	-	-	187,806,764	797,929,757
Capital Grant Unspent								
Rehabilitation and Improvement of Capital Assets	-	-	-	-	14,000,000	-	(14,000,000)	-
Acquisition of Fixed Assets and Construction	-	-	-	-	40,262,766	-	(40,262,766)	-
Generated Funds for Capital Assets	1,293,590	50,686,729	-	-	-	70,509,660	(122,489,979)	-
Donations	-	-	-	1,464,390	-	-	(1,464,390)	-
AHEAD Grants	-	-	-	8,803,232	-	-	(8,803,232)	-
Common Project Grants	-	-	-	-	-	786,397	(786,397)	-
Subtotal	1,293,590	50,686,729	-	10,267,622	54,262,766	71,296,057	(187,806,761)	-
Grand Total	716,931,493	-	(105,514,910)	10,267,622	54,262,766	71,296,057	-	797,929,757

AS AT 31ST DECEMBER	Capital Surplus as at 01.01.2023	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 31.12.2023
Capital Grant Spent								
Capital Grant Spent	797,929,757	303,100	(149,251,460)	-	-	-	66,503,912	715,485,309
Subtotal	797,929,757	303,100	(149,251,460)	-	-	-	66,503,912	715,485,309
Capital Grant Unspent								
Rehabilitation and Improvement of Capital Assets	-	-	-	-	10,351,000	-	(10,351,000)	-
Acquisition of Fixed Assets and Construction	-	-	-	-	14,649,000	-	(14,649,000)	-
Generated Funds for Capital Assets	-	-	-	-	-	39,853,796	(39,853,796)	-
Donations	-	-	-	18,817	-	-	(18,817)	-
AHEAD Grants	-	-	-	1,631,299	-	-	(1,631,299)	-
Common Project Grants	-	-	-	-	-	-	-	-
Subtotal	-	-	-	1,650,116	25,000,000	39,853,796	(66,503,912)	-
Grand Total	797,929,757	303,100	(149,251,460)	1,650,116	25,000,000	39,853,796	-	715,485,309

NOTE 15 ACCUMULATED FUND - CURRENT

<i>AS AT 31ST DECEMBER</i>	2023 Rs.	2022 Re-stated Rs.
Balance as at 01.01.2023	1,074,057,243	913,867,790
Adjustments of Provision	1,342,334	-
Transferred from Revaluation Reserve	-	1,182,530
Transferred Allocations to Restricted Funds	(34,566,757)	(15,944,383)
Transfer during the Year	(40,613,277)	(118,182,343)
Surplus / (Deficit) for the Year	396,581,595	293,133,649
Balance as at 31.12.2023	1,396,801,138	1,074,057,243

NOTE 16 PROJECT GRANTS

<i>AS AT 31ST DECEMBER</i>	2023 Rs.	2022 Re-stated Rs.
Opening Balance	11,462,148	12,226,200
Grant Received During the year	10,937,853	6,427,125
	22,400,001	18,653,326
Less: Grant spent During the Year	(7,238,743)	(7,191,179)
Total	15,161,257	11,462,148

NOTE 17 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 01.01.2023	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
Adjustment	-	-	-	-	-	-	-	(20,829)	-	(20,829)
Adjusted Balance as at 01.01.2023	18,528,519	21,634,665	13,963,944	54,583,996	6,243,424	13,425,000	788,353,881	27,291,801	2,335,000	946,360,234
Add: Additions During The year Due to Revaluation	-	-	-	-	-	-	-	-	-	-
Less: Transferred to Current Surplus Due to De-recognition of Assets - Normal Disposal	-	-	-	-	-	-	-	-	-	-
Ending Balance as at 31.12.2023	18,528,519	21,634,665	13,963,944	54,583,996	6,243,424	13,425,000	788,353,881	27,291,801	2,335,000	946,360,234

NOTE 18 RESTRICTED FUNDS

<i>AS AT 31ST DECEMBER</i>	2023 Rs.	2022 Re-stated Rs.
BIT Award	340,004	63,901
Allocation for BIT Development	80,665,491	53,850,458
Prof V.K. Samaranayaka Award	263,993	254,927
Prof V.K. Samaranayaka Endowment Fund	25,185,538	20,248,750
Donor Fund for Disable Student	30,054	30,054
Allocation for Research & Development	182,336,238	165,653,252
JICA Award	164,078	164,078
THA De Zoysa Award	356,601	302,827
Allocation for Equipment Replacement	2,315,411	2,315,411
Best e-Learner Award	445,711	336,438
Staff Development Allocation	20,555,569	18,002,347
Virtusa Academic Excellence	418,331	379,552
Sheoria Robustra Scholarship - 1	1,047,911	840,693
Sheoria Robustra Scholarship - 2	1,049,373	898,570
Allocation for Student's Distress	13,671,140	9,735,927
Best Performance Award -Zebra	202,230	178,814
Best Performance Award -IFS	192,183	170,642
Best Performance Award -Sampath Bank	194,684	178,311
Prof.Mohan Munasinghe Award -1	73,450	70,703
Prof.Mohan Munasinghe Award -2	81,167	76,032
ICTA Award	141,680	134,678
Research Laboratory	1,222,347	5,118,168
David Peiris Medal	866,184	817,818
Mrs. Soma Gunathilake Memorial Award	319,979	290,229
Mrs. Wimala Jayarathne Memorial Award	348,148	313,251
IFS Scholarship Fund	240,000	-
Award for the best performance in Master of Computer Science	300,000	-
Prof. G N Wickramanayake Memorial Award	300,000	-
Award for Master of Science in Computer Science Degree Programme	300,000	-
Award for the Most Outstanding Student in the Master of Cyber security Degree	300,000	-
Scholarship from Other Parties	65,000	35,000
Bond Value Recovery A/C	54,445,988	52,677,860
Allocation for Medical Scheme	6,593,428	4,174,080
Allocation for UCSC Infrastructure Development	1,614,575	1,873,346
Allocation for UCSC Welfare Development	9,025,749	1,520,184
TOTAL	405,672,235	340,706,305

NOTE 19 INTER UNIT CURRENT ACCOUNTS

Rs.

<i>AS AT 31ST DECEMBER</i>	Undergraduate	ADMTC	Postgraduate	EDC	CSC	ICTer	eLC	Projects (Common)	Total
Debit Entries									
Undergraduate	-	-	209,646,195	117,013,628	13,715,267	-	668,691	3,884,951	344,928,732
Postgraduate	-	174,108	-	-	5,512,039	-	1,322,676	-	7,008,823
EDC	-	-	9,566,869	-	-	67,320	22,552,266	-	32,186,455
CSC	-	-	-	6,545,828	-	-	106,480	1,320,958	7,973,266
ADMTC	11,239,375	-	-	1,945,188	557,952	-	-	-	13,742,515
eLC	-	2,500	-	-	-	-	-	-	2,500
ICTer	237,852	-	100,000	-	-	-	5,000	-	342,852
Projects (Common)	-	125,534	265,230	1,089,500	-	-	278,587	-	1,758,851
Total	11,477,227	302,142	219,578,294	126,594,143	19,785,258	67,320	24,933,701	5,205,909	407,943,994
Credit Entries									
Undergraduate	-	11,239,375	-	-	-	237,852	-	-	11,477,227
Postgraduate	209,646,195	-	-	9,566,869	-	100,000	-	265,230	219,578,294
EDC	117,013,628	1,945,188	-	-	6,545,828	-	-	1,089,500	126,594,144
CSC	13,715,267	557,952	5,512,039	-	-	-	-	-	19,785,259
eLC	668,691	-	1,322,676	22,552,266	106,480	5,000	-	278,587	24,933,700
ADMTC	-	-	174,108	-	-	-	2,500	125,534	302,142
Projects (Common)	3,884,951	-	-	-	1,320,958	-	-	-	5,205,910
ICTer	-	-	-	67,320	-	-	-	-	67,320
Total	344,928,733	13,742,515	7,008,823	32,186,455	7,973,266	342,852	2,500	1,758,851	407,943,994

NOTE 20 SEGMENT INFORMATION

	Rs.								
Year Ended 31 st December 2023	Undergraduate	Postgraduate	External Degree Centre	Computing Service Centre	e Learning Centre	Advance Digital Media Technology Centre	Projects	ICTer Conference	Total
Government Grant	387,333,333	-	-	-	-	-	-	-	387,333,333
Course Income	-	93,259,960	135,668,262	11,393,726	18,218,600	3,110,500	-	-	261,651,047
Bursary Grant	4,776,000	-	-	-	-	-	-	-	4,776,000
Interest Income	26,622,548	99,800,456	104,514,118	11,880,542	32,114,919	3,433,999	6,311,245	2,082,720	286,760,547
Project Grant	-	-	-	-	-	-	7,238,743	-	7,238,743
Consultancy and Other Service Income	-	-	-	2,238,147	1,827,425	-	-	-	4,065,572
Other Income	69,662,896	2,030,958	2,068,617	381,425	6,814,206	984,148	-	12,488,451	94,430,701
Total Revenue	488,394,777	195,091,375	242,250,997	25,893,839	58,975,150	7,528,647	13,549,988	14,571,171	1,046,255,943
Personnel Emoluments	305,195,617	455,592	827,283	-	957,773	-	-	-	307,436,265
Travelling	149,502	55,181	31,320	3,180	20,910	2,424	-	-	262,516
Supplies	11,384,362	193,372	1,996,073	200,792	42,900	58,450	-	-	13,875,950
Contractual Services	69,181,416	94,247	955,157	113,427	259,003	381,183	-	-	70,984,432
Retirement Benefits	71,436,666	58,605	-	-	154,864	-	-	-	71,650,135
Other Recurrent Expenditure	24,084,286	72,179,031	106,989,612	14,329,189	10,607,424	4,810,143	8,399,637	12,700,763	254,100,083
Bursary Payments	4,776,000	-	-	-	-	-	-	-	4,776,000
Total Expenses	486,207,848	73,036,028	110,799,445	14,646,588	12,042,874	5,252,199	8,399,637	12,700,763	723,085,382
Surplus/ (Deficit)	2,186,929	122,055,347	131,451,552	11,247,252	46,932,276	2,276,447	5,150,351	1,870,408	323,170,562
Total Assets	1,822,534,700	995,777,130	896,734,842	98,104,886	208,858,120	24,573,774	119,109,835	13,217,234	4,178,910,522
Total Liabilities	502,206,106	113,952,091	42,840,283	12,385,620	524,177	15,601,188	2,407,905	1,357,265	691,274,635

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 * Even though the UCSC policy for the amortization of Software is 20%, annual payment for firewall clusters has been amortized under the rate of 33 1/3% due to renewal of firewall is applicable only for 03 years. The value of the firewall subscription is Rs. 9,969,730.94.

22.4 Donation

During the year UCSC received Rs. 18,817.42 worth of Library books and Periodicals as a Donation from various parties. In addition, it is recorded as Rs. 3,000.00 Library books and periodical donation received in 2022 and restated accounts accordingly.

22.5 All the property, Plant and Equipment acquired to the University of Colombo School of computing are recognized under the undergraduate unit.

22.6 Assets Disposal

During the year Value of Rs. 833,982.26 assets were disposed. These assets consisted of Furniture and Fittings, Office Equipment, Computer and Network Equipment, Electrical and Maintenance Equipment and Laboratory, Studio and Teaching Equipment.

22.7 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 and Mr. S D Muthukudaarachchi. Court proceedings are being continued. Details are given in the table below:

S/N	Name of the Complainer	Case	Case Filed by	Court	Status as at 31.12.2023
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	Pending
3	UCSC	MC Cases No:24024/01/2015 41686/01/2015 41685/01/2015	Fraud Bureau	Colombo Chief Magistrate's Court	Order was given by the MC as Mr. Muthukudaarachchi was guilty. As reported, he has made an appeal against the judgment.
4	Mr. SD Muthukudaarachchi	08/857/2015	Mr. SD Muthukudaarachchi	Labour Tribunal	Pending

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

S/N	Name & Designation of Bond Violator	Nature of Termination & Date of Termination	Bond Value according to the original agreement (Rs.)	Revised Total Value of Bond & Other Dues to the UCSC (Rs.)	Amount Received as at 31.12.2023 (Rs.)	Due amount as at 31.12.2023(Rs.)	Action Taken during the year to recover Dues
1.	Mr. SJ Paheerathan Lecturer	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 taken (Case No. DMR/07902/10) The UCSC consented to accept the due amount without interest and settlement conditions submitted to the Attorney's General Dept.
2.	Mr. HM Siriwardana Lecturer (Probationary)	Vacated of Post 01.01.2018	2,619,437.40	4,781,357.50	2,619,518.93	2,161,838.57	After he received a letter of demand sent by the Lawyer, he paid only the balance amount of the initial bond value of the agreement after deducting his UPF balance already recovered. Therefore action has been taken to send a fresh letter of demand for remaining balance.

22.9 EVENTS AFTER THE REPORTING PERIOD

The bond violation amount (Rs. 1,276,862.41) due from Mr. Paheerathan - Lecturer has been received on 20.02.2024 to the Bank A/C No. 086-1-001-2-1190316.

NOTE 23 RELATED PARTY TRANSACTION

No related party transactions were identified during the year except inter unit current account transactions. However, during the year UCSC paid Rs. 636,000.00 as sitting allowance to the

UCSC Board of Management Members, Rs. 60,000.00 as Finance and Management Committee members and Rs. 54,000.00 as Audit Committee members.

NOTE 24 UCSC CONTRIBUTION

Throughout the year, a total of Rs.82.20 million has been transferred from the Extension programmes and projects to the Undergraduate Unit (UG) as UCSC contribution, aiming to address both capital and recurrent expenses. Of this amount, Rs.39.85 million was utilized for capital expenditures, with the remaining Rs.43.35 million allocated to cover recurrent expenses, owing to restrictions in treasury fund allocation.

NOTE 25 ACTUARIAL VALUATION FOR GRATUITY

Actuarial and Management Consultant (Pvt) Ltd, qualified actuaries has done actuarial valuation on the defined benefit plan – Gratuity as at 31-12-2023. 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 44	25%
--------------	-----

XV: 45 to 54	15%
--------------	-----

And thereafter, Zero.

Rate of salary Escalation

Basic Salary and Allowances

Academic Staff 12.00% p.a.

Academic Support Staff 10.00% p.a.

Non-Academic Staff 10.00% 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 13% 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	4,722,618
Non -Academic -Permanent	1,487,588
Academic Support –Permanent	343,815
Academic – Non-Permanent	498,348
Non –Academic Non-Permanent	200,788
Academic Support –Non-Permanent	70,939
<u>E Learning</u>	<u>19,167</u>
Total	7,343,264

Sensitivity Analysis was done assuming below rates.

- One percentage point increase (+1%) in Discount Rate	Rs. 119,230,639
- One percentage point decrease (-1%) in Discount Rate	Rs. 134,132,503
- One percentage point increase (+1%) in the salary/wage increment rate	Rs. 134,043,135
- One percentage point decrease (-1%) in the salary/wage increment rate	Rs. 119,191,789

Actuarial valuation is done for the year 2023.

NOTE 26 RESTATE FINANCIAL STATEMENT COMPARATIVE FIGURES 2022

- As Auditor General’s pointed out in the year 2022 indirect allocation for Self Financing Activities should be transferred through the Statement of Changes in Equity. As such Income Statement and Changes in Equity for the year 2022 has been restated with the undermentioned amounts.

Unit	Name of the Allocation	Amount Rs.
Postgraduate	Allocation for Research & Development	2,132,612.13
	Allocation for Student Distress Fund	487,500.00
	Allocation for Staff Development	2,200,000.00
	Allocation for Medical Scheme	3,025,000.00
EDC	Allocation for BIT Development	5,901,540.00
	Allocation for Student Distress Fund	885,231.00
	Allocation for Medical Scheme	1,312,500.00
Total		15,944,383.13

- Depreciation for the year 2022 has been restated due to the adjustment of Fixed Assets transfer from Building to Office Equipment. The transfer Fixed Asset value is Rs. 1,326,900.00. Accordingly, impact to the Financial Statement 2022 is as follows.

Statement of Financial Position as at 31.12.2022

Decreased Building Cost Balance	Rs. 1,326,900.00
---------------------------------	------------------

<i>Increased Office Equipment Cost Balance</i>	Rs. 1,326,900.00
<i>Decreased Accumulated Depreciation - Building</i>	Rs. 16,722.58
<i>Increased Accumulated Depreciation - Office Equipment</i>	Rs. 66,890.31

Statement of Financial Performance as at 31.12.2023

<i>Decreased Building Depreciation at 5%</i>	Rs. 16,722.58
<i>Increased Office Equipment Depreciation at 20%</i>	Rs. <u>66,890.31</u>
<i>Net impact to the Surplus</i>	Rs. (50,167.73)

- *Amortization of Software Depreciation restated for the year ended 31.12. 2022 by Rs. 1, 631, 397.69 due to overstated in the year 2022. Accordingly, impact to the financial statements is indicated below.*

Statement of Financial Position as at 31.12.2022

<i>Decreased in Accumulated Amortization - Software</i>	Rs. 1, 631, 397 .69
---	---------------------

Statement of Financial Performance as at 31.12.2023

<i>Decreased Amortization - Software</i>	Rs. 1, 631, 397.69
--	--------------------

- *Stock balance of the maintenance unit has been recognized during the year and it was identified that the stock value of Rs. 1,576,379.76 belongs to year 2022 and Rs. 849,715.10 belongs to year 2023. Accordingly, the stock value of Rs. 1,576,379.76 belongs to year 2022 was adjusted to Mechanical & Electrical expenses of the year 2022 and restated 2022 financial statements accordingly.*
- *Assets received under the AHEAD ICE Project have been recognized during the year 2023 due to the completion of the project in the year 2023 and the total value of assets received under the aforementioned project is Rs. 24,092,101.39. These assets were received from 2019 to 2023. Accordingly, Rs. 22,460,802.83 of the value of assets which were received from 2019 to 2022 were adjusted to the opening balance of the respective Assets categories and to the Accumulated Fund - Capital. Accumulated Depreciation of Rs. 5,988,963.02 were adjusted for the opening balances of the respective asset categories (From 2019 to 2022). Further, the depreciation value of Rs. 2,886,417.55 from 2019 to 2021 were adjusted to Accumulated Fund - Capital and Rs. 3,102,545.47 Value of depreciation which belongs to 2022 was adjusted to comparative figures of 2022.*

NOTE 27 SUSTAINABLE DEVELOPMENT GOALS DISCLOSURE

27.1 Sustainable Development Agenda Goal No. 01. No poverty, fulfills the most basic needs. To achieve this goal, Mahapola Trust Fund granted scholarships to 388 undergraduates amounting to Rs. 8.37 Mn. The University Grants Commission granted Bursaries to 63 undergraduates amounting Rs. 1.94 Mn. and UCSC granted 41 scholarships to the undergraduates amounting Rs. 1.17 Mn. in the year 2023 for those who were at the lower income level.

27.2 Programms were initiated to provide Good Health and well-being to the UCSC staff. 138 No. of employees benefited under the staff medical welfare scheme in 2023 by spending Rs. 8.6 Mn. This covers the Sustainable Development Agenda Goal No. 03, Good Health and Well-being.

27.3 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 2023, University of Colombo School of Computing provided higher education for 1087 youth in the country and UCSC invested an average of Rs. 508,474 per student.

27.4 To provide good quality education for youth and UCSC sustainability, well qualified teachers by facilitating teacher training through International Corporation and Collaboration. In 2023 UCSC spent Rs13.10Mn. on research work. This covers Sustainable Development Agenda Goal No. 04, Quality Education.

27.5 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. 39.94 Mn. on renovation and other infrastructure facilities during the year. This also covers Sustainable Development Agenda Goal No. 04, Quality Education.

<i>FOR THE YEAR ENDED 31ST DECEMBER</i>		2023 Rs	2022 Re-stated Rs
NOTE 28 INTEREST INCOME			
Interest on Loan and Advances		564,058	620,241
Interest on Investment	Note 28.1	280,215,993	139,017,873
Overnight Repo Interest Income		5,980,495	4,797,158
TOTAL		286,760,547	144,435,272
NOTE 28.01 INTEREST ON INVESTMENT			
Undergraduate Programme (UG)		20,077,994	10,100,799
Postgraduate Programme-(PG)		99,800,456	44,460,844
External Degrees Centre -(EDC)		104,514,118	59,628,425
Computing Services Centre-(CSC)		11,880,542	5,318,434
eLearning Centre -(eLC)		32,114,919	13,724,343
Advanced Digital Media Technology Centre -(ADMTC)		3,433,999	2,087,600
Common Projects		6,311,245	2,946,440
ICTer Conference		2,082,720	750,990
		280,215,993	139,017,873
NOTE 29 OTHER INTERNAL INCOME			
Miscellaneous Receipts		17,128	105,310
Undergraduate Selection Test Fees		9,274,010	6,464,000
Undergraduate Registration & ID Fee		671,850	712,450
Library Fine		29,074	7,117
Undergraduate Certificate Fee		5,656,642	4,960,749
Undergraduate Examination Fees		79,784	58,675
Undergraduate Library Fee		175,500	168,500
Undergraduate Course Fee - Foreign		1,909,585	2,158,192
Supplier Registration Fee		328,000	262,400
Non-Refundable Bid Deposits		55,000	57,000

Transferred from Project	-	611,273
Laboratory Fee	351,000	337,000
Rental Income	-	12,000
Debris Sales	8,100	752,200
Charter Fee	35,100	-
Liquidated Damages	41,751	-
TOTAL	18,632,524	16,666,866

FOR THE YEAR ENDED 31ST DECEMBER	2023 Rs	2022 Rs
----------------------------------	------------	------------

NOTE 30 REVENUE FROM EXTENSION PROGRAMME

Postgraduate Programme- (PG)

Course Fee	85,141,087	82,125,000
Application Fee	-	1,233,000
M. Phil Registration Fee	240,000	1,145,000
PhD Fee	420,000	164,500
Repeat Examination Fee	1,234,750	715,850
Re Registration fee	3,330,500	-
Project Repeat Fee	-	140,000
M. Sc. Renewal Fee	540,000	505,000
Verification Fee	1,805,267	1,063,193
Transcript Fee	843,374	1,004,403
Other Fee	1,735,940	750,492
Subtotal	95,290,919	88,846,438

External Degrees Centre - (EDC)

Registration Fee	50,458,711	26,213,200
Surcharge Fee	-	228,600
Examination Fee	55,587,888	74,028,056
Application Fee	12,891,525	8,497,556
Project Fee	826,117	7,559,500
DIT Fee	6,330,000	1,988,550
HDIT Fee	4,620,250	1,497,000
Registration of Institutes	40,000	132,000
Renewal of Institute Registration	280,000	280,500
Degree Fee	4,380,700	3,219,550
Transcript Fee	70,550	1,328,097
Verification Fee	1,351,166	-
Other Fee	899,970	916,947
Subtotal	137,736,879	125,889,556

Computing Services Centre- (CSC)

Course Fee	11,393,726	664,000
Exam-related Income	325,125	106,500
Consultancy Income	2,238,147	18,543,038
Hall Charge	48,000	-
Miscellaneous Income	8,300	2,450
Subtotal	14,013,298	19,315,988

eLearning Centre - (eLC)		
FIT Registration Fee	5,031,750	7,104,500
FIT Exam Fee	13,185,250	-
e Test Income	1,600	307,550
GCAT Income	2,061,806	-
LMS Maintenance Fee	4,752,400	3,568,600
e Learning Service Income	1,827,425	3,675,000
HETC Project Income	-	3,630,711
Subtotal	26,860,231	18,286,361

Advanced Digital Media Technology Centre - (ADMTC)		
Course Fee	3,110,500	2,456,000
Service Income	95,000	543,500
Auditorium/Rooftop Hiring	889,048	303,514
Miscellaneous Income	100	3,100
Subtotal	4,094,648	3,306,114

Grand Total of the Revenue from Extension Programme	277,995,974	255,644,457
--	--------------------	--------------------

NOTE 31 REVENUE FROM PROJECTS

Common Projects

Revenue from Project Grants

Language Technology Research Laboratory Programme (LTRL)	240,336	252,733
e NIC Project	-	1,078,973
HETC Project	-	665,600
Master of Cyber security: Distance Master Program in Cyber security(Cyber) Project	531,031	1,119,423
Scorelab Project	-	52,238
International Elephant Project (IEP) - ELOC	86,774	333,226
Swedish Research Link Project	872,887	982,331
IIOE Course Co-development Project	656,961	1,307,695
Dialog 5 G Project	240,000	240,000
Sanasa Grant	1,387,800	-
TA Boot Grant	445,263	-
KTH Grant	2,777,690	-
Other Income	-	393,563
Exchange Gain	-	6,312,749
Subtotal	7,238,743	12,738,531

ICTer Conference

Conference Registration Fee	3,418,451	1,087,500
Sponsorship Fee	9,070,000	200,000
Subtotal	12,488,451	1,287,500

Grand Total of the Revenue from Projects	19,727,194	14,026,031
---	-------------------	-------------------

FOR THE YEAR ENDED 31ST DECEMBER2023
Rs2022 Re-stated
Rs**NOTE 32 PERSONAL EMOLUMENTS**

Salaries and Wages	134,805,608	131,369,027
Other Allowance	2,101,567	2,310,619
Academic Allowance	79,528,331	80,419,620
Special Allowance	19,006,031	19,207,021
Research Allowance	20,228,548	21,401,157
Cost of Living Allowance	17,137,842	17,067,600
Overtime & Holiday Pay	2,797,891	2,238,577
Monthly Compensation Allowance (MCA)	18,604,003	19,171,320
Acting Allowance	-	108,300
Monthly Allowance	10,985,796	10,940,860
TOTAL	305,195,617	304,234,101

NOTE 33 TRAVELING EXPENSES

Traveling Expenses - Local	149,502	148,525
TOTAL	149,502	148,525

NOTE 34 SUPPLIES

Stationery & Office Requisites	6,992,882	12,097,306
Fuel & Lubricants	1,942,736	1,491,071
Uniforms & Tailoring Charges	189,371	32,400
Mechanical & Electrical Goods	2,259,373	204,698
TOTAL	11,384,362	13,825,475

NOTE 35 CONTRACTUAL SERVICES

Maintenance - Vehicles	705,795	577,790
Maintenance - Plant Machinery and Equipment	10,061,195	5,883,953
Maintenance - Buildings & Structures	1,145,579	557,082
Maintenance - Other	786,750	75,925
Communication Services	11,082,719	9,645,346
Electricity Services	33,017,763	12,812,682
Printing & Advertising	1,384,400	1,504,639
Cleaning Services	6,908,117	5,784,878
Security Services	2,543,151	2,259,838
Water	853,654	381,454
Insurance & License	692,293	335,275
TOTAL	69,181,416	39,818,863

NOTE 36 RETIREMENT BENEFITS

University Provident Fund	25,988,464	25,232,981
Employees' Trust Fund	7,397,441	7,451,138
Employees' Provident Fund	174,138	253,899
Pension	10,800,700	11,187,420
Gratuity	27,075,924	19,533,113
TOTAL	71,436,666	63,658,550

NOTE 37 OTHER RECURRENT EXPENDITURE

Holiday Warrant & Season Tickets	877,630	596,390
Special Services	2,203,713	2,320,753
Committee & Council	750,000	982,000
News Papers & Periodicals	560	60
Student Welfare	106,490	22,000
Audit Fees	1,837,933	820,000
Entertainment Expenses	2,786,797	2,253,244
Hostel -Expense	806,208	536,488
Hostel -Rent	2,927,250	2,665,875
Visiting Lecture Fee	333,000	449,250
Rates & Taxes	6,896	-
Subscriptions, Contributions, & Membership Fee	78,262	120,267
Staff Development	1,734,500	52,000
Property Loan Interest	168,690	183,486
Bank Charges	13,096	8,100
Bank Commission Charges	46,600	42,440
Examination Expenses	5,847,041	6,896,159
Awards & Indemnities	392,500	222,500
Workshops & Seminars	-	1,193,000
Convocations	280,800	-
Inauguration	402,450	-
Corporate Planning, Governance	99,943	-
Student new Initiatives	-	169,695
Quality Assurance	377,325	99,214
Social Security Contribution Levy	333,210	159,732
Postal Charges	251,824	185,281
TOTAL	22,662,717	19,977,935

NOTE 38 EXPENDITURE OF EXTENSION PROGRAMME**Postgraduate Programme-(PG)**

Salaries & Wages	455,592	264,075
Traveling	55,181	36,876
Stationery & Other supplies	193,372	441,387
Printing & Advertising	80,248	163,245
Equipment Maintenance	13,999	-
Employees' Provident Fund	46,884	22,122
Employees' Trust Fund	11,721	5,531
Expenses for Academic Activities	31,109,444	28,762,690
Payment for Staff Involvements	2,723,048	1,910,348
Refreshment	1,687,643	1,335,205
Social Security Contribution Levy	2,358,466	-
Other Overhead Expenses	84,590	688,970
Subtotal	38,820,188	33,630,449

External Degrees Centre -(EDC)

Salaries & Wages	449,032	65,217
Overtime	378,251	502,678
Traveling	31,320	6,349
Stationery & Other supplies	1,996,073	3,611,796

Communication	130,377	95,440
Printing & Advertising	824,780	708,852
Employees' Trust Fund	-	978
Employees' Provident Fund	-	3,913
Expenses for Academic Activities	34,146,377	33,245,919
Refreshments	214,762	116,800
Payment for Indirect Staff Involvements	1,557,161	1,382,595
Other Overhead Expenses	3,778,002	2,179,143
Subtotal	43,506,135	41,919,680

Computing Services Centre- (CSC)

Co-ordinator Allowance	-	43,750
Traveling	3,180	2,530
Stationery & Other supplies	200,792	247,848
Communication & Postage	105,037	98,812
Printing & Advertising	8,390	2,365
Expenses for Academic Activities	6,499,165	285,966
Refreshments	727,498	472,875
Expenses on Consultancy Services	-	8,682,000
Expenses on Projects	-	1,358,067
Exam Related Expenses	25,000	52,000
Other Overhead Expenses	1,662,292	1,329,335
Social Security Contribution Levy	395,087	31,537
Subtotal	9,626,440	12,607,085

eLearning Centre - (eLC)

Salaries & Wages	708,386	680,584
Monthly Allowance	97,417	88,118
Cost of Living Allowance	151,970	137,465
Traveling	20,910	6,590
Stationery & Other supplies	42,900	29,638
Communication Expenses	255,313	243,330
Printing Charges	3,690	840
Employees' Trust Fund	25,811	20,793
University Provident Fund	129,053	94,180
Employees' Provident Fund	-	7,826
e Test Expenses	2,140,957	3,730,084
GCAT & GCCT Expenses	213,090	-
Coordinator Fee	82,560	78,130
Advertisement Expenses	6,664	-
Other Expenses	1,059	-
Refreshments	460,680	191,915
BIT Learning Content Expenses	313,800	2,794,975
e Learning Service Expenses	54,690	1,742,633
Social Security Contribution Levy	481,273	20,008
Bank Charges	17,450	100
Subtotal	5,207,674	9,867,209

Advanced Digital Media Technology Centre - (ADMTC)

Traveling	2,424	1,861
Stationery & Office Requisites	54,100	65,155
Telephone & Internet Charges	18,810	19,775

Printing	5,040	4,675
Advertising	26,757	3,832
Rent & Hire Charges	-	5,500
Refreshments	77,822	43,103
Payment to Staff	2,851,625	1,565,823
Coordinator Fee	82,560	75,630
Mechanical & Electrical Goods	4,350	-
Plant Machinery & Equipment	327,750	-
Social Security Contribution Levy	114,936	29,604
Other Expenses	3,175	-
Refund of Course Fee	-	500
Subtotal	3,569,349	1,815,458
Grand Total of the Expenditure for Extension Programme	100,729,785	99,839,881

NOTE 39 EXPENDITURE FOR PROJECTS

Common Projects

Language Technology Research Laboratory Programme (LTRL)	240,336	252,733
HETC Project	-	665,600
Master of Cybersecurity: Distance Master Program in Cybersecurity(Cyber) Project	531,031	1,119,423
International Elephant Project (IEP) - ELOC	86,774	333,226
Swedish Research Link Project	872,887	806,339
IIOE Course Co-development Project	365,961	1,307,695
Dialog 5G Project	240,000	240,000
Sanasa Expenses	756,000	-
TA Boot Expenses	445,263	-
KTH Expenses	1,979,230	-
WHT on Interest	163,803	-
Other Expenses	1,474	22,122
Exchange Loss	995,617	-
Subtotal	6,678,377	4,747,138

ICTer Conference

Traveling	-	2,070
Stationary	45,025	-
Conference Expenses	12,491,256	1,549,136
Refreshments	-	257,005
Bank Charges	3,846	1,473
Social Security Contribution Levy	160,635	30,938
Subtotal	12,700,763	1,840,622

Grand Total of the Expenditure for Projects

19,379,140 **6,587,760**

NOTE 40 DEPRECIATION AND AMORTIZATION

Furniture & Fittings	6,882,752	5,865,138
Laboratory, Studio & Teaching Equipment	6,027,498	5,317,835

Office Equipment	16,354,531	12,157,238
Electricity Connection	2,402,335	2,402,336
Water Supply System	2,280,840	2,280,840
Computer & Network Equipment	27,433,794	24,081,240
Electrical & Maintenance Equipment	728,634	658,956
Library Books and Periodicals	5,642,366	588,989
Rehabilitation & Improvement of Capital Assets	-	2,633,889
Vehicles	2,290,000	2,290,000
Buildings	67,042,969	39,344,227
	137,085,720	97,620,689
Software Amortization	12,165,740	7,894,220
Total	149,251,460	105,514,910

**7. UCSC
HIGHLIGHTS
2023 -
VISIBILITY,
EVENTS AND
ACTIVITIES**

7.UCSC HIGHLIGHTS 2023 – VISIBILITY, EVENTS AND ACTIVITIES

The UCSC Web site is the main portal to communicate the key highlights of the institute. In 2023, 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. Following table shows the key highlights of 2023 with respect to each month.

7.1 MONTHLY HIGHLIGHTS - ACTIVITIES, EVENTS, AND PROGRAMMES

Month	Activities
January, 2023	<ul style="list-style-type: none"> • Training course on Java Application Development using JavaSE was completed and awarded 22 certificates on 14th January [CSC] • Inauguration of Postgraduate Degree Programme was held on 21st January at the UCSC Auditorium [PRP] • UCSC Career Fair was held on 27th January at the UCSC premises and 38 IT companies participated the event • Commenced the BIT semester 1, 3 & 5 Examinations and postgraduate lectures of 1st & 3rd Semester [PRP] on 28th January [EDC] • Released the pass lists of Master of Cybersecurity/ Postgraduate Diploma in Computer Science/ Information Technology/ Information Security/ Business Analytics[EXAM] • Released the results of the Semester 2/4 of the Master programmes [EXAM] • Final evaluations of Individual projects of MIT, MCS, MSc in CS, MBANALYTICS programmes [PRP]
February, 2023	<ul style="list-style-type: none"> • Conducted BIT Semester III examinations in Colombo and Kandy on 11th & 12th February [EDC & EXAM] • Top personal of CAMBIO, Sweden, Mr. Rami Avidan/CEO, Mr. Johannes Fabó/CFO & Mr.Arash Noujoumi/COO visited UCSC on 16th February • Signed a MOU between UCSC and SULECO (Pvt) Ltd on 17th February in the development of local technical solutions on drone technologies etc. and conducting of knowledge sharing programs to drone-related non-technologies • BIT content development Programme was held on 17th February [ELC] • Completion of training course on Advanced Multimedia Web Design & Development Techniques and awarded certificates for 13 students on 19th February [ADMTC]. • Conducted BIT Semester I examinations on 25th & 26th February in Colombo, Kandy, Galle and Jaffna [EDC & EXAM] • Completion of training Course on Graphic Design & Creativity Development and awarded certificates for 18 students [ADMTC] on 26th February • Discussion was held on 27th February for possible collaboration with Pagero and Creative Software Team: Imtiaz Ariff - Senior Manager Software Engineering, Jonas Lehner - Head of Product Marketing, Gustav Dahllof - Chief Product Officer, Pamela James - Operations Executive, Karen Ebert - Manager University Relations and Employer Branding & Sajith Silva - Pagero R&D Director • 2022 Annual Financial Statements, Draft Annual Report and Board of Survey Report were submitted on 28th February to the Auditor General and the Ministry of Higher Education

	<ul style="list-style-type: none"> • Conducted FIT e-test [ELC]
March, 2023	<ul style="list-style-type: none"> • Commencement of certificate course on Advanced Multimedia Web Design & Development Techniques (Batch I-2023) on 5th March [ADMTC] • The Award Ceremony 2021 for the conferment of Diploma and Higher Diploma of the University of Colombo was held on 11th March [EXAM & EDC] • The Convocation of the External Degrees 2021 for the conferment of External Degrees of the University of Colombo was held on 12th March [EXAM & EDC] • Commencement of Certificate Courses on Data Science with Python (Batch I – 2023), Java Application Development using JavaSE (Batch I-2023) and AutoCAD (Batch I-2023) on 19th March[CSC] • Released the results of FIT e-Test on 22nd March [ELC] • A Workshop was conducted on 24th March for preparing the UCSC Strategic Plan 2023-2027 [DIR OFFICE] • Commencement of Semester 2 examinations of Undergraduate programmes on 27th March [EXAMS] • Workshop on preparing the UCSC Strategic Plan 2023-2027 [DIR OFFICE] and workshop on MIT project proposal were held on 29th March[PRP] • Workshop on preparing the UCSC Strategic Plan 2023-2027 on 31st March[DIR OFFICE] • Conducted FIT e-test [ELC] • Call for applications for Semester 2, 4, 6 exams [EDC]
April, 2023	<ul style="list-style-type: none"> • Organized “UCSC Awurudu Asiriya-2023” on 3rd April to the staff of the UCSC • Project proposal presentation of Master of Business Analytics was held on 29th April [PRP]
May 2023	<ul style="list-style-type: none"> • Enrollment of undergraduate degree programmes Computer Science (CS) 230 students and Information Systems (IS), 120 students for the Academic Year 2021/2022 on 12th May[EXAMS] • Selection Test “General Computing Aptitude Test” was held on 13th May for Master of Cybersecurity [PRP & EXAMS] • Completed a Training course on AutoCAD Batch I-2023 on 14th May and awarded 17 certificates [CSC] • Released the results of Semester I, III and V of the BIT Degree Programme on 17th May [EXAM] • Completed Training courses on Java Application Development using JavaSE Batch I-2023 and Python Fundamentals Batch I-2023 on 21st May and awarded certificates 15 & 17 respectively [CSC] • Started the Orientation Programme for UG 2021/2022 intake on 22nd May[APW] • Conducted confirmation test for Management Assistant GIII, Library Assistant GIII, and Audit Assistant GII for University of Colombo on 26th May [eLC] • Completed a Training course on Advanced Multimedia Web Design & Development Techniques Batch I-2023 on 28th May and awarded 18 certificates [ADMTC] • “අවුරුදු අවුරුදු” New Year festival was organized on 28th May by the students of UCSC • Annual Blood Donation was organized on 30th May by the UCSC students with Rotaract Club • Continuation of Semester 2 examinations of Undergraduate programmes [EXAMS] • Conducted Foundation for Information Technology (FIT) e-Test from 9th to 25th May 2023 [eLC] • Call for the application 2023 Master of Cybersecurity [PRP]
June, 2023	<ul style="list-style-type: none"> • Training course on AutoCAD Batch II-2023 was commenced on 4th June [CSC] • Commencement of Undergraduate AY 20 on 5th June [EXAMS] • General Computing Aptitude Test was held on 7th June [GCAT2302] for Master of Cybersecurity-2023 intake [EXAMS]

	<ul style="list-style-type: none"> • Published the lists of selected students for B.Sc. (Hons) in Computer Science/ B.Sc. (Hons) in Software Engineering/ B.Sc. (Hons) in Information Systems degree programmes for AY20 on 8th June [EXAMS] • Organized the Fresher's Welcome on 9th June • Hold Selection interviews for Master of Cybersecurity-2023 intake on 11th June [PRP & EXAMS] • Commenced Training courses on Java Application Development using JavaSE Batch II-2023 and Data Science with Python Batch II- 2023 on 11th June [CSC] • BIT Semester 6 exams-AY2022 was held on 17th June in Colombo [EXAMS & EDC] • Training course on Computing For Career Development Batch I - 2023 was commenced 17th June [CSC] • BIT Semester 6 exams-AY2022 was held on 18th June in Colombo [EXAMS & EDC] • Released the FIT results on 19th June and 49 students qualified to read BIT • Program Review of the CS/SE degree programs was held on 22nd June (online review) [QAC] <ul style="list-style-type: none"> ○ The panel of reviewers - Prof. Hansiya Rauf Fharauf (South Eastern University), Prof. Asoka Karunananda (University of Moratuwa), Prof. Saluka Kodituwakku (University of Peradeniya) and Prof. Nilantha De Silva (University of Ruhuna) • BIT Semester 4 exams-AY2022 was held on 24th June in Colombo [EXAMS & EDC] • Hold Selection interviews for Master of Cybersecurity-2023 intake on 24th June [PRP & EXAMS] • BIT Semester 4 exams-AY2022 was held on 25th June in Colombo [EXAMS & EDC] • Training course on Advanced Multimedia Web Design & Development Techniques Batch II-2023 commenced on 25th June [ADMTC] • Program Review of the CS/SE degree programs was held on 27th June (onsite review) [QAC] <ul style="list-style-type: none"> ○ The panel of reviewers - Prof. Hansiya Rauf Fharauf (South Eastern University), Prof. Asoka Karunananda (University of Moratuwa), Prof. Saluka Kodituwakku (University of Peradeniya) and Prof. Nilantha De Silva (University of Ruhuna) • Published selected list of candidates for Master of Cybersecurity-2023 intake on 30th June [PRP & EXAMS] • Successfully completed the 1st and 3rd semester Master Lectures [PRP] • Released results of confirmation test for Management Assistant Grade III & Library Assistant Grade III
July, 2023	<ul style="list-style-type: none"> • Training course on Graphic Design & Creativity Development Batch I-2023 was concluded on 1st July and awarded 21 certificates [ADMTC] • Training course on Computing for Career Development Batch I-2023 was concluded on 22nd July and awarded 14 certificates [CSC] • Review of the University of Colombo School of Computing under the Institutional Review of the University of Colombo was took place on 25th July. Panel of reviewers comprising Prof. P. Ravirajan from University of Jaffna and Prof. Hema Pathirana from University of Ruhuna [QAC] • Released pass list of the 4 year honours degree [2017/18] & 3 year general degree [2018/19] programmes on 27th July [EXAMS] • Evaluations to select students for the best final year project of the BSc Hons. in Computer Science/ Software Engineering/ Information Systems degree programmes [EXAMS] 27th July • Open call for applications for the Prof. V.K. Samaranayake Medal for the Most Outstanding Graduate of the UCSC - 2022 & the Open Awards of University of Colombo – 2022 [EXAMS] 27th July • Evaluations to select students for the best final year project of the BSc Hons. in Computer Science/ Software Engineering/ Information Systems degree programmes [EXAMS] 28th July • Student registration of Master of Cybersecurity programme [PRP] 30th July • Training course on AutoCAD Batch II-2023 was concluded on 30th July and awarded 24 certificates [CSC] • Student registration of Master of Cybersecurity programme [PRP] 31st July

	<ul style="list-style-type: none"> • Successfully completed the examinations of the 1st and 3rd semester of Master programmes [PRP] • Open call for applications for Faculty Awards of the Academic Year 19 & the Senate Awards for Research – 2022 [EXAMS] • Final year individual project viva of the BIT programme [EXAMS] • Continued the processing of the examination results of Semester II, IV and VI of the BIT programme
August, 2023	<ul style="list-style-type: none"> • Program Review (online) of the Information Systems degree programs was held on 3rd August [QAC] • Awarded certificates for 2 short term training courses on 6th August [CSC] <ul style="list-style-type: none"> ★ Java Application Development using JavaSE Batch II-2023 - awarded 26 certificates ★ Data Science with Python Batch II-2023 - awarded 20 certificates • Program Review (onsite) of the Information Systems degree programs was held on 9th August [QAC] Panel of reviewers : Prof. Asoka Karunananda, Chairman (MRT), Prof. S. Vasanthapriyan (SUSL), Dr. W G S Kelum (SJP) and Dr. D K Yapa Abeywardana (KLN) • Released the Examination results of BIT level I (Year 1) and the eligible list for Diploma in Information Technology (DIT) 2022 on 11th August [EXAM] • Inauguration ceremony was conducted on 12th August to the new intake of Master of Cybersecurity [PRP] • Commencement of 1st semester of Master of Cybersecurity and 2nd & 4th Semesters of MIT/MCS/MIS/MBAnalytics on 12th August [PRP] • Evaluations were conducted on 14th & 15th August to select – [EXAM] <ul style="list-style-type: none"> ○ UCSC nominees to the Open Awards of University of Colombo ○ The student for the Prof. V.K. Samaranayake Medal for the Most Outstanding Graduate of the UCSC ○ UCSC nominees to the Senate Awards for Research 2022 • Commencement of training course on Graphic Design & Creativity Development Batch II-2023 was held on 19th August • Released FIT exam results on 22nd August and 152 students qualified to read BIT [ELC] • Training course on Advanced Multimedia Web Design & Development Techniques Batch II-2023 was concluded on 27th August and awarded 22 certificates • Published the final examination timetable of Semester 1 of the undergraduate degree programmes [AY 20] • Calling for application for the Master Courses (MCS/MIT/MIS/MBAnalytics) • Conducted FIT e-test [ELC] • Student registration for BIT degree program [EDC]
September, 2023	<ul style="list-style-type: none"> • Training course on Python Fundamentals Batch I-2023 was concluded on 2nd September and awarded 19 certificates [CSC] • General Convocation was held on 6th September • Training course on Data Science with Python Batch III-2023 was commenced on 10th September [CSC] • Released the HDIT Results 2022 on 12th September [EXAM] • Open Application for the aptitude test for the information systems degree programme for Academic Year 2022/2023 on 14th September [EXAM] • Training course on MERN Stack Batch I -2023 was commenced on 16th September [CSC] • Conducted Postgraduate Selection Test (GCAT and GCCT) on 17th September [ELC] • Released the results of the FIT exam on 18th September and 91 students qualified to read BIT [ELC]

	<ul style="list-style-type: none"> • UCSC Insight Day was conducted on 21st September to promote UCSC internal degrees for the recent A/L results released students. • Released the results of Level III BIT – 2022 on 26th September [EXAM] • Conducted FIT e-test [ELC] • Conducted Second FIT special e-test [ELC] • Student registration for BIT degree program [EDC]
October, 2023	<ul style="list-style-type: none"> • Training course on Java Application Development using JavaSE Batch III-2023 was commenced on 8th October[CSC] • Training course on AutoCAD Batch III -2023 was concluded on 8th October and awarded 22 certificates [CSC] • Aptitude Test for Information Systems degree programme-Ac Yr 2022/2023 was held on 22nd October [EXAM] • Training course on AutoCAD Batch IV-2023 was commenced on 22nd October[CSC] • Training course on Computing for Career Development Batch II-2023 and Training course on Python Fundamentals Batch II -2023 was commenced on 28th October [CSC] • Hosting IEEEExtreme 17.0 Competition within University premises on 28th October [IEEE Student Branch] • Issued degree certificates to passed out students at the general convocation 2022 on 30th October[EXAM] • Semester 1 examinations of the Undergraduate degree programm [EXAM]
November, 2023	<ul style="list-style-type: none"> • Software Quality Assurance Using Test Automation Frameworks Batch I-2023 was concluded on 4th November and awarded 24 certificates [CSC] • Training course on Advance Multimedia Web Design & Development Techniques Batch III-2023 was commenced on 5th November with 17 students [ADMTC] • Conducted 3 workshops @ the ICTer 2023 Pre Conference on 7th November: <ul style="list-style-type: none"> • Introduction to LibreOffice and LibreOffice Technology. • Embracing RISC-V: Building and Booting a Minimalistic Operating System • Unlocking the Power of Chatbots: A Workshop for Building Cutting-Edge Conversational Interfaces • Delivered 3 Keynotes @ the ICTer 2023 International Conference on 8th November: <ul style="list-style-type: none"> • When Machines Go Rogue: The Risks and Rewards of AI Hallucination by Dr. Ruvan Weerasinghe, UCSC • Fairness in Artificial Intelligence by Prof. Timothy Baldwin, Mohamed bin Zayed University of Artificial Intelligence • LibreOffice Technology, a FOSS platform for personal productivity by Italo Vignoli, Associazione LibreItalia • Delivered 4 Keynotes @ the ICTer 2023 International Conference on 9th November: <ul style="list-style-type: none"> • Lessons from twenty years of working with (administrative) Big Data by Prof. Peter Christen, Australian National University • All Your Language Are Belong to Us: Implications and Effects of Large Language Models for Cybersecurity by Mike Willburn, MITRE Corporation • Infrastructuring Participatory Citizenship by Prof. Patrick Olivier, Monash University • Towards In-Body, Battery-Free Internet of Things by Prof. Thiemo Voigt, Uppsala University • Conducted 3 workshops @ the ICTer 2023 Post Conference on 10th November: <ul style="list-style-type: none"> • LibreOffice Migration Protocol • Forensic Insights from Electromagnetic Radiation • From Bytes to Briefs: A Comprehensive Digital Forensics Tutorial for Legal Professionals • Conducted FIT practical test on 14-15th November [ELC] • Training course on MERN Stack Batch I-2023 was concluded on 18th November and awarded 26 certificates [CSC] • Training course on Data Science with Python Batch III-2023 was concluded on 19th November and awarded 14 certificates [CSC]

	<ul style="list-style-type: none"> • Conducted Postgraduate Selection Test on 19th November [ELC]
December, 2023	<ul style="list-style-type: none"> • Training Course on MERN Stack Batch 02 was commenced on 9th December with 30 students [CSC] • Conducted Postgraduate Selection Test on 10th December [ELC] • Award ceremony for Diploma in Information Technology was held on 16th December [EDC & EXAM] • Award Ceremony for Higher Diploma in Information Technology and Convocation for External Degrees-UOC were held on 17th December [EDC & EXAM] • Cricket Tournament was organised by UCSC Undergraduates on 17th December • Training Course on Java Application Development using JavaSE Batch 03 and Training Course on AutoCAD Batch 04 were concluded and awarded certificates on 17th December [CSC] • Published the list of selected students for Faculty Awards/ Director's List of the Academic Year 19 on 21st December [EXAM] • “රිඪි හැන්දෑම” organized by the Students' Union of UCSC & Rekha - Music Circle of UCSC on 21st December • Published the results of the semester 1 examinations of the Academic Year 20 on 27th December [EXAM] • Released FIT practical test results on 28th December and 30 students qualified for FIT [ELC] • Training Course on Python fundamentals Batch 02 was concluded on 30th December and awarded certificates [CSC]

8.AUDIT REPORT

8. AUDIT REPORT

My No: HED/B/UCSC/2023/FA/03

Date: 31 May 2024

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 2023 and on Other Legal and Regulatory Requirements under Section 12 of the National Audit Act No. 19 of 2018

The certified account and the aforesaid report is sent herewith.

W. M.P.A. Fonseka

Deputy Auditor General

For Auditor General

Copies: -

1. Secretary - Ministry of Education
2. Secretary - Finance, Economic Stabilization and National Policies
3. Chairman – University Grants Commission
4. Vice Chancellor - University of Colombo

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 2021 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 2023 comprising the statement of financial position as at 31 December 2023 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 information related to material 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 17 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, except for the effects of the matters described in basis for qualified Opinion section of this report, the financial statements of the institution give a true and fair view of the financial position as at 31 December 2021, 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 Qualified 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 2023 of the Institution

Information, included in the Annual Report - 2023 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 is materially misstated based on the other information I have obtained and the work I have performed prior to the date of this audit report, it is required to 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.

1.4 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 all 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
-----	-----
(a) Section 11 (a) of the Finance Act No. 38 of 1971.	A sum of Rs. 320,965,536 had been invested in fixed deposits in the year under review without obtaining the prior approval of the related Minister and the Minister of Finance.
(b) State Accounts Circular No. 30/94 dated 20 April 1994 and the letter of the Director General of the Department of External Resources bearing No. SC&PMU/Grant/19 dated 25 July 2019.	Action had not been taken to directly obtain to the institution the foreign grants totalling to Rs. 2,397,223 received as project and research grants for 02 projects in the year 2023.
(c) Paragraph 7.1.4 of the Part (ii) of the Public Finance Circular No. 01/2020 dated 28 August 2020 and Paragraph 03 (viii) of the National Budget Circular No. 03/2022 dated 26 April 2022.	Sums of Rs. 11,070,130 and Rs.16,184,732, out of the money earned from courses and projects in the years 2022 and 2023 respectively, had been allocated for 02 welfare programmes without obtaining the approval of the General Treasury.
(d) Paragraph 05 of the Circular letter No. BD/HRD/126/214/19/2023 dated 18 January 2023, by which the Secretary of the Ministry of Education was addressed by the Secretary to the General Treasury.	Action had not been taken to credit the amount of Rs.1,163,248 recovered during the year under review from a lecturer, who had breached his bond, to the Government Revenue.

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) A sum of Rs. 101,221,059 existed in 02 restricted funds had not been utilized for their intended purpose during the year under review, and a fund amounting to Rs. 2,315,411, out of that, had not been utilized for more than 04 years.
- (b) The institution had failed to collect a sum of Rs. 2,168,839 to be recovered from a lecturer, who had breached the bond, although a period of 05 years had passed without recovering the amount.
- (b) It had not been possible to recover 05 debtor balances older for 03 years to 09 years amounting to Rs. 496,890 even by the year under review.

W.P.C. Wickramaratne

Auditor General

On 22 July 2024

Auditor General,
National Audit Office,
No. 306/72, Polduwa Road,
Battaramulla.

Dear Sir,

Answers to the Report of the Auditor General on the Financial Statements of the University of Colombo School of Computing for the Year Ended 31 December 2023 and the Other Legal and Regulatory Requirements in Terms of 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 2023 Annual Report of the Institution.

Noted down.

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

Noted down.

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

Noted down.

2. Report on Other Legal and Regulatory Requirements

2.1 Requirements mentioned in the National Audit Act No. 19 of 2018

Noted down.

2.2

2.2.1. Noted down.

2.2.2

(a) All investment activities of the Institute are carried out with the recommendation of the Investment Committee, which is a sub-committee of the Management Board and with the approval of the Management.

(b) From the year 2024, all the details regarding the direct foreign grants received by the institution will be properly informed to the Department of External Resources of the General Treasury immediately after receiving the said grants.

(c) It was a higher value than the percentage indicated in the Circular 04/2016 of the University Grants Commission i.e., 30% of the earned income. After making allocations for recurrent and capital expenditure of the institution, the provision mentioned in the query are allocated for the welfare of the staff directly and indirectly related to the said courses under the budget provisions of the respective courses.

Moreover, this provision is allocated from the funds provided as adequate provision is not allocated by the Treasury for the establishment of a productive staff and for the motivation of that staff (Productive Human Capital), which is an essential element in the future development of the institution.

(d) As per the Financial Circular Letter No. 05/2023 of the University Grants Commission, a maximum of Rs.750,000.00 should be paid per member for air ticket charges to be paid by the academic staff of the institution when they go abroad for post-graduate studies or for sabbatical leave from the funds recovered from lecturers for breaching of the bonds.

the funds recovered from the lecturers for breaching of the bonds during the year were credited to the provision recovered from breach of bond to ensure the availability of funds in the institution to fulfil the requirements of the above Circular.

2.2.3. Noted down.

2.2.4. Noted down.

3. Other matters.

(a) The two Restricted Funds mentioned in the Audit query are consisted of.

Rs.

1. BIT Development Allocation - 80,665,491.00

2. Staff Development Allocation - 20,555,568.00

101,221,059.00

The BIT Development Fund was established to purchase or construct an off-site building for the external degree division. The above provision will be maintained until a sufficient fund is raised for that purpose. In addition, since the BIT degree course is a 3-year external degree course, this fund is maintained to ensure the future security of the said course.

The Staff Development Allocation fund is maintained as sufficient provision is not allocated from the Treasury for the training of the staff of the institution.

The procurement activities related to the purchase of computers for the laboratory using the allocation for equipment replacement amounting to Rs.2,315,411.00 have already been completed and this amount will be used for making payments for that.

(b) The amount of Rs. 2,168,839.00 to be recovered owing to the breach of the bond as mentioned in the query should be recovered from Mr. H.M. Siriwardena, who is currently abroad.

A letter of demand has been sent to him to recover the amount due from him and legal proceedings have been initiated to recover the due amount. An experienced lawyer has been appointed with the approval of the management board of the institution to take further action in this connection.

(c) As pointed out in the audit query, the debtor balances totalling to Rs.496,890.00 to be recovered by 31.12.2023, which were included in the register of balances that should be recovered from the government institutions under the purview of the Ministry of Law and Order for the provision of computer expert services related to judicial activities has been indicated in Annexure - 01.

Reminders are submitted continuously for the recovery of these due balances and this matter has been forwarded to the Treasury for obtaining the approval to recover/write off these recoverable balances.

Dr. Ajantha Atukorale
Director