



**UNIVERSITY OF COLOMBO
SCHOOL OF COMPUTING**

ANNUAL REPORT

2021

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

It is with great pleasure and a sense of pride that I present the Annual Report 2021 of the University of Colombo School of Computing (UCSC). As a centre of excellence in teaching and learning in computing, which is the main goal of UCSC, this report presents the accomplishments as well as challenges faced during undergraduate, postgraduate, and external degree programmes as well as the general administration activities conducted in the year 2021. In the short history of UCSC, the year 2021 became the most challenging year since the culture of all activities suddenly changed to a new mode of operation due to the covid19 pandemic situation in the country. Almost all activities were challenged, and we were forced to cancel many activities and we were forced to follow the agile management practices to do the best depending on the conditions of operation. However, UCSC was fortunate to survive due to its capability of carrying out many activities through online mode interaction. We were able to achieve more than 80% of the majority of our activities in a new normal environment.



In 2021, 347 internal undergraduate students, who got the opportunity to be enrolled through the UGC selection process, started their first-year academic activities in May 2021. It was the largest intake in the history of UCSC, and students were forced to continue their education in online mode except for the semester exams. In addition, UCSC provided computer science courses for 1157 undergraduates of the Faculty of Science of the University of Colombo. With all difficulties, UCSC was able to produce 267 graduates in computer science and information systems at the end of the year, and more than 90% of these students were employed before their graduation. This report describes the progress of undergraduate education with collected statistics of students. Due to the pandemic situation, UCSC did not receive budgeted capital funding but was able to manage many planned activities except a few ones that were postponed to the year 2022. On the other hand, the pandemic situation restricted our freedom to execute many activities.

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 2158 new students got the opportunity to be registered in 2021, although the programme was delayed by eight months due to pandemic situation and delay of AL results. UCSC was able to conduct all semester exams of the BIT programme during the months of February, and March 2021 and all delayed academic activities were completed before July 2021. UCSC was able to release the results of final year students, and 350 students, the largest number of graduates, received BIT degrees. At the same time, 575 students received the Diploma of Information Technology, and 312 students received the Higher Diploma of Information Technology during 2021.

UCSC was able to conduct an admission test masters degree programme in March 2021 and able to complete the process through an online mode of operation, and the new batch of 280 started their academic activities at the beginning of September 2021. During the short period of normalcy, UCSC was able to hold in-person exams for undergraduate and postgraduate students within the campus before May 2021, and it failed to complete the masters exams due to the sudden wave of Covid19 pandemic. Hence, online proctored exams were conducted for the masters degree programme and were able to release the final results of the masters programme before the end of 2021.

The generated income of postgraduate and external degree programmes was a significant contribution for the sustainability of the organization due to inadequate government allocation for recurrent and capital expenditures. Although UCSC was forced to delay some of the activities due to covid-19 pandemic situation, the generated income was maintained close to the normal level of operation. The key reason for this situation was due to the ability of UCSC staff to continue their duties from home using online mode and the information technology infrastructure of the organization.

Although student welfare support (scholarships and loan facilities) were granted during the online teaching and learning period, many physical activities, which include extracurricular activities, were postponed or canceled. On the other hand, many online programmes and activities were carried out for both staff and students. Unfortunately, several staff physical activities such as the outbound training programme were canceled during 2021. Zoom-based online platform was used to conduct formal meetings as well as online gathering to enhance the motivation of the staff as well as students.

The pandemic situation affected all infrastructure development activities, and it caused a significant delay to complete activities during 2021. Some planned activities of infrastructure development were also postponed to 2022 due to operational issues. Although all budgeted government allocation is not received, this situation didn't have a significant impact on the operations since academic activities were carried out mainly online during 2021. Past development of IT infrastructure was an asset during 2021 for the sustainability of the operations since online communication was the backbone of the lifeline of the organization. However, we realized that many works must be carried out in order to maintain the sustainability of IT infrastructure at the UCSC to meet the rising demands.

Although the pandemic situation affected the research and development activities, there is no significant negative effect on the progress since the academic staff has published 65 conference and journal papers during 2021. The annual ICTer conference was organized as a full a blended conference and it was a new experience for all staff. At the same, the conference became a free educational event for many others since all presentations are published through UCSC channel in YouTube. Meantime, the ICTer Journal also published three issues during 2021.

Although the government grant for the capital development was moderate (60 million), UCSC received adequate funding for the recurrent expenditure (392 million). Due to the pandemic situation, we were able to reduce the cost of many recurrent expenditures and this facilitated us to manage the recurrent expenditure (81%) of the total requirement. UCSC spent an additional 13 million for capital development and 90 million for the recurrent expenditure from its generated income. 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 2021, UCSC was forced to spend 46 million from its reserves due to inadequate funding and 199.58 million was spent from UCSC reserves during the last three years (2020-2018) to carry out the planned activities.

Finally, I take this opportunity to express my gratitude to the Council, Senate, the Vice-Chancellor, the Board of Management, Academic Syndicate, Boards of Studies and Management Committee and all other staff of UCSC for making 2021 – another memorable year in the history of UCSC, where we faced so many challenges which could be converted as opportunities in 2022.

Director Professor K. P. Hewagama
University of Colombo School of Computing (UCSC)

GOALS

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

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OVERVIEW OF THE UCSC

The University of Colombo School of Computing (UCSC) [<http://www.ucsc.cmb.ac.lk>] was established as a Centre of Higher Learning on 1st September 2002 by merging the Institute of Computer Technology (ICT) and the Department of Computer Science (DCS) of the University of Colombo, by an Order made under Section 24 A(1) of the Universities Act No. 16 of 1978 as last amended by the Universities (Amendment) Act No.1 of 1995, with the purpose of providing, promoting and developing higher education in Computer Science, Information and Communication Technology. It is a Higher Educational Institute within the University of Colombo established to develop and promote computing studies in the country as well as an international knowledge hub in computing. The UCSC was granted financial autonomy, and its operations have been described in the Ordinance Gazetted 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 centres:

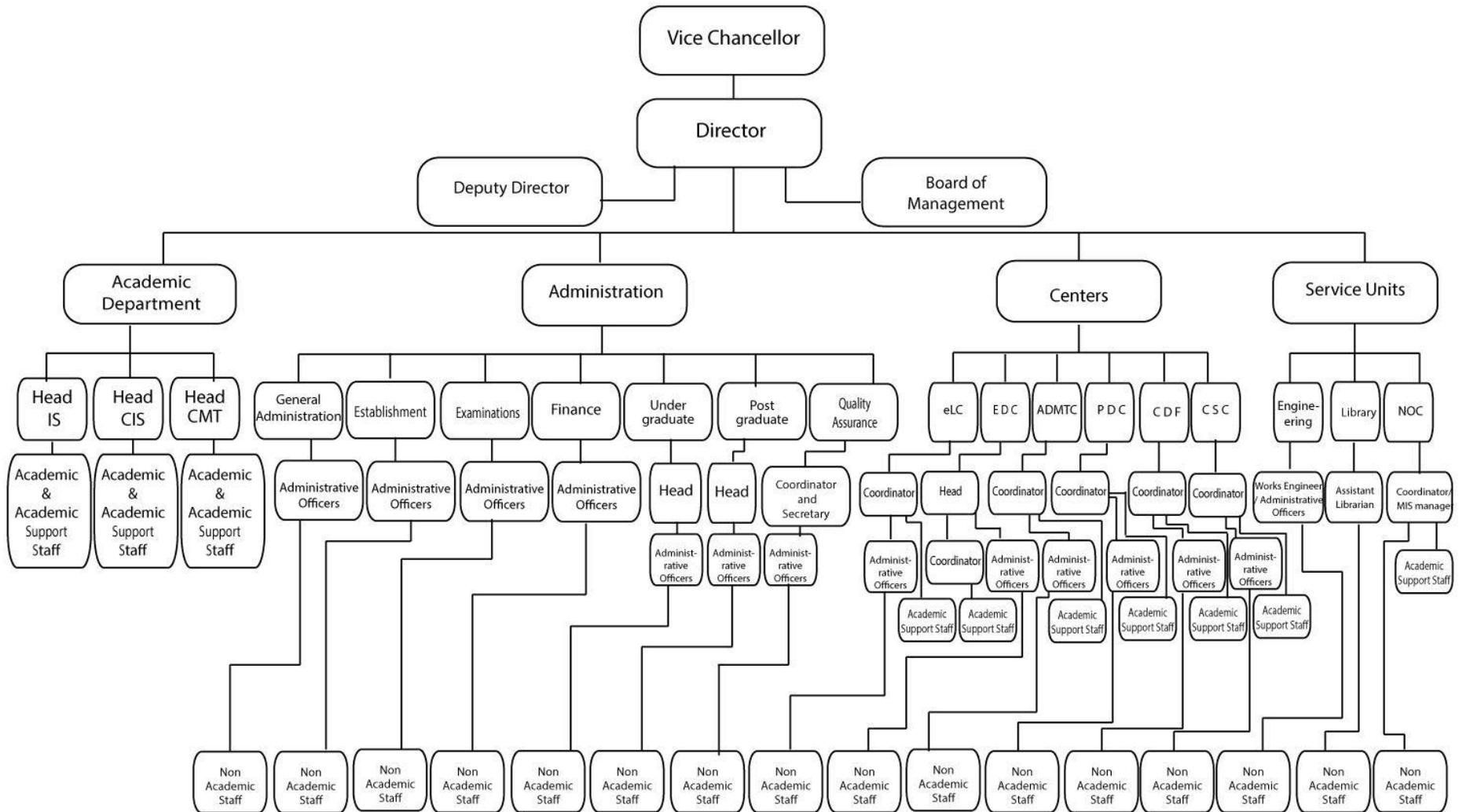
- Advanced Digital Media Technology Centre (ADMTC);
- Computing Services Centre (CSC);
- Centre for Digital Forensics (CDF)
- External Degrees Centre (EDC);
- E-Learning Centre (e LC);
- Professional Development Centre (PDC);

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

ORGANIZATION STRUCTURE OF UCSC - 2021

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 (2017-2021)

		2021	2020	2019	2018	2017
Education (Enrolled/Graduated)						
Internal Undergraduates	All	997	929	899	857	809
	In	347	293	297	301	261
	Out	267	250	237	244	193
Science Undergraduates		1157	972	1043	924	1060
Diploma in Information Technology (DIT) (External)	All	2933	2649	2373	1975	2109
	In	2158	2416	2142	1461	1631
	Out	575	651	436	337	403
Higher Diploma in Information Technology (HDIT) (External)	All	1128	1804	1634	1240	1259
	In	1361	1548	1365	463	511
	Out	313	274	120	110	151
Bachelor of Information Technology (BIT) (External)	All	1034	1248	862	1230	1282
	In	987	1142	795	187	233
	Out	350	284	177	133	217
Postgraduates	All	478	501	426	556	533
	In	280	270	258	232	243
	Out	184	126	185	139	150
Extension Programmes		220	347	551	317	296
Foreign Students		14	14			
Research						
Research (MPhil/PhD)	All	23/08	28/08	35/08	35/06	37/06
	In	04/02	02/00	03/03	04/00	11/02
	Out	02/01	03/00	03/01	00/01	03/04
Research Projects	All	18	12	21	20	27
	New	12	02	09	10	14
Publications		65	61	56	64	53
No. of Publications:No. of Academic Staff Members		65:61	61:46			
No. of Citations		6205	4829			
Consultancy/R&D Projects						
	Local	13	7	15	15	21
Social Responsibility Programmes		5	13	11	12	10

		2021	2020	2019	2018	2017
Governance						
Permanent Academic Staff	All	58	46	47	49	47
	Professors	05	03	03	02	03
	PhD	29	28	27	26	27
	Masters	10	09	06	09	09
Permanent Academic Support Staff		15	06	06	07	08
Temp Academic Staff (Instructors & Asst. Lect.)		32	39	43	30	27
Permanent Admin and Non-Ac Staff		62	62	52	54	46
Contract Staff (including casual & trainee)		25	41	56	35	25
Research/Project Staff		23	17	16	26	18
Finance						
Annual Recurrent Expenditure (Millions LKR)		555	520	586	488	415
Treasury Grant (Recurrent) (Millions LKR)		392	358	337	199	165
Treasury Grant (Capital) (Millions LKR)		60	23	69	112	107
Generated Income		299	249	289	274	263
UCSC Contribution to UG (Millions LKR) (Generated %)		22 (5%)	30 (7%)	91 (18%)	126 (29%)	131 (50%)
UCSC Budget (Millions LKR)		917	903	679	498	424
Research/Project (Millions LKR)		12.8	9.3	9.8	9	11
Cost per Employee (LKR '000s) per annum		1,640	1,564	1,692	1,275	1,081
Cost per Student (LKR '000s) – Treasury Recurrent		386	507	450	356	310
Infrastructure						
Library Books		8,780	8,825	9,073	8,948	8,810
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
(Special students)		1:1	1:1	1:1	1:1	1:1
Space Utilization (employee) (sq. m.)		11.09	11.1	10.9	11.70	15.24
Space Utilization (student) (sq. m.)		4.20	3.39	4.5	4.77	4.39

1.GOVERNANCE

1. GOVERNANCE

During the year 2021, the organizational activities were carried out based on the Strategic Plan for 2021-2025 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 next five years together with an Action Plan for 2021. However, the University of Colombo School of Computing (UCSC) had to reschedule most of the academic programmes and procurement plan approved by the Board of Management for 2021 due to the suspension of operational activities from time to time during the year due to the COVID 19 outbreak. The UCSC faced many difficulties to employ its staff due to transport difficulties, quarantine, self-quarantine, and duty rosters approved by the Government through the Circulars issued by Secretary to the H.E. President. With these all difficulties, the UCSC conducted its undergraduate examinations, released results, conducted all planned lectures online by academic staff, finished postgraduate exams, and released results by following new intake for the master programmes as well. As planned ICTer international conference was held online, and several meetings, including the Board of Management, were held online. Some of the planned procurement activities were shifted to 2022.

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

1.1 OFFICERS OF THE UCSC

Director	Prof. K. P. Hewagamage	
Deputy Director	Dr. D.A.S. Athukorala	
Heads	Dr. D.A.S. Athukorala	- Department of Computation and Intelligent Systems (CIS)
	Prof. G.D.S.P. Wimalaratne	- Department of Communication and Media Technologies (CMT) till 10/12/2021
	Mr. K.P.M.K. Silva	- Acting from 10/12/2021
	Dr. (Ms.) M.D.J.S. Goonetillake	-Department of Information Systems Engineering (ISE)
Deputy Registrars	Mr. K.K.K. Dharmathilaka	- (Assumed duty as Registrar of University of Kelaniya with effect from 2 nd July)
	Ms. H.P. Henegama	- (Sabbatical Leave till March)
Deputy Bursar	Mr. E.M. Gunarathna	

Coordinators	Dr. S.S.P. Matara Arachchi	- Advanced Digital Media Technology Centre (ADMTC)
	Mr. G.P.N. Botheju	- Computing Services Centre (CSC)
	Dr. T.N.K. De Zoysa	- Centre for Digital Forensics (CDF)
	Mr. W.V. Welgama	- External Degrees Centre (EDC)
	Dr. (Ms.) T.A. Weerasinghe	- e-Learning Centre (eLC)
	Dr. (Ms.) L.N.C. De Silva	- Professional Development Centre (PDC)

1.2 AUTHORITIES

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

1.2.1 BOARD OF MANAGEMENT (BOM)

Meetings of the Board of Management were held monthly during the year 2021. The first Thursday of each month is usually allocated for the BOM meetings. Minutes and memos are distributed before the meeting by the Deputy Registrar/Administration, who shall be the Secretary to the Board of Management. The composition of the Board of Management is given below, together with the statistics of the meeting participation (P – Participated, E-Excused, A-Absent). UCSC has conducted 13 BOM meetings via blended mode, including one special BOM meeting held on 23.02.2021, to get the approval from the Board of Management to submit the Financial Statements, the UCSC Annual Report 2020, and the Board of Survey Report 2020 to the Auditor General and the Secretary to the Ministry of Education.

Ex- Officio Members	
● Director	Prof. K.P. Hewagamage (P-13)
● Deputy Director & Head of CIS	Dr. D.A.S. Athukorala (P-13)
● Nominee, Secretary of Higher Education	Mr. L. Waduge (P-12 & E-01)
● Nominee, Ministry of Finance	Mrs. K.A. Ramya Kanthi (P-13)
● Dean, Faculty of Science	Snr. Prof. Upul Sonnadara (P-10 & E-03)
● Head of CMT	Prof. G.D.S.P. Wimalaratne (P-11 & E-02)
● Head of ISE	Dr. M.D.J.S Goonetillake (P-12 & E-01)
Appointed Members	
● Members, UOC Council (02)	Prof. S. Karunaratne (P-13) Mr. J.M.U.B. Jayasekara (P-09, E-03 & A-01)
● Members, UOC Senate (02)	Snr. Prof. J.K.D.S. Jayanetti (P-11, E-01 & A-01) Prof. Pavithra Kailasapathy (P-11 & E-02)
● Nominees, UGC (02)	Mrs. C. Mubarak (P-13) Dr. Upali Mampitiya (P-11 & E-02)
● Representatives, IT Industry (02)	Mr. Saman Perera (P-12 & E-01) Dr. Romesh Ranawana (P-10, E-02 & A-01)

● Nominees, Academic Syndicate (03)	Prof. N.D. Kodikara (P-05 - till 01.04.2021) Dr. H.A. Caldera (P-05 - till 01.04.2021) Dr. M.G.N.A.S. Fernando (P-05 - till 01.04.2021) Dr. (Mrs.) T.A. Weerasinghe (P-07 & E-01 - from 06.05.2021) Mr. K.P.M.K. Silva - (P-08 - from 06.05.2021) Mr. W.V. Welgama - (P-05 & E-03 - from 06.05.2021)
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1.2.2 FINANCE AND MANAGEMENT COMMITTEE (FMC)

The Finance and Management Committee (FMC) is a sub-committee which assists the Board of Management to discuss financial activities in detail before taking relevant decisions at the Board of Management. The committee was able to meet 03 times during the year 2021 and the Director/UCSC chaired the meetings.

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

P-Present , E- Excused

1.2.3 AUDIT COMMITTEE (AC)

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

2

Chairman	Mr. J.M.U.B. Jayasekara (P-4)
Board Nominees	Mr. L.P.H. Waduge (P-4) Ms. K.A. Ramyakanthi (P-4)
Rep of Auditor General	Mrs. K.V.T.N. Sinhasosha (P-2) Ms. S. M. C. Indika (P-2)
Internal Auditor/University Grants Commission	Mr. M.M.J.R. Bogamuwa (P-1 & E-3)
Internal Auditor/University Of Colombo	Mr. K.E.W. Jayasiri (P-2) Mr. S. P. G. Nihal (P-2)
Rep /Ernst &Young Auditors	Ms. Randika Silva (P-4)
Director (Observer)	Prof. K.P. Hewagamage (P-4)
Deputy Director (Observer)	Dr. D.A.S. Athukorala (P-4)

P-Present, E-Excused

1.2.4 ACADEMIC SYNDICATE

The Academic Syndicate was held monthly during the year 2021. 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 Board of Study.

Some of the important decisions recommended at the Academic Syndicate require to be approved at the Council of the University of Colombo, the Board of Management, and the Senate of the University of Colombo based on the regulation in the University. Minutes of all formal meetings held during 2021 are approved and documented. Formal members of the Academic Syndicate and their participation statistics are given below.

S.N.	Name	Attendance of 11Nos. of Syndicate Meetings			
		Present	Absent	Excused	Leave
1	Prof. K.P. Hewagamage, Director (Chairperson)	11			
2	Dr. D.A.S. Atukorale, Deputy Director & Head/CIS and Snr Lec Gr.I	11			
3	Prof. G.D.S.P. Wimalaratne, Head/CMT, Professor	11			
4	Dr. (Mrs.) M.D.J.S. Goonetillake, Head, /ISE, Senior Lecturer Gr. I	09			2
5	Prof. N.D. Kodikara, Senior Professor (Retired)	10			
6	Prof. G.K.A. Dias, Professor	11			
7	Prof. K.L. Jayaratna, Professor				11
8	Prof. D.D. Karunaratne, Professor	10	1		
9	Dr. A.R. Weerasinghe, Senior Lecturer Gr. I	11			
10	Dr. D.N. Ranasinghe, Senior Lecturer Gr. I	09		2	
11	Dr. T. Sritharan, Senior Lecturer Gr. I	11			
12	Mr. G.P. Seneviratne, Senior Lecturer Gr. I	10		1	
13	Dr. T.N.K. De Zoysa, Senior Lecturer Gr. I	09		2	
14	Dr. C.I. Keppetiyagama, Senior Lecturer Gr. I	11			
15	Dr. H.A. Caldera, Senior Lecturer Gr. I	11			
16	Dr. M.G.N.A.S. Fernando, Senior Lecturer Gr. I	10		1	
17	Dr. (Mrs.) S.M.K.D. Arunatileka, Senior Lecturer Gr. II	10	1		
18	Dr. M.D.R.N. Dayaratne, Senior Lecturer Gr. II	11			
19	Mr. K.P.M.K. Silva, Senior Lecturer Gr. II	11			
20	Mrs. M.W.A.C.R. Wijesinghe, Senior Lecturer Gr. II	10		1	
21	Mr. W.V. Welgama, Senior Lecturer Gr. II	10		1	

22	Dr. H.E.M.H.B. Ekanayake, Senior Lecturer Gr.II	11			
23	Dr. (Mrs.) T.A. Weerasinghe, Senior Lecturer Gr. II, Coordinator/eLC	11			
24	Dr. M.I.E. Wickramasinghe, Senior Lecturer Gr. II	09	1	1	
25	Dr. (Ms) K.H.E.L.W. Hettiarachchi, Senior Lecturer Gr. II	10		1	
26	Dr. P.V.K.G. Gunawardana, Senior Lecturer Gr. II	11			
27	Dr. B.H.R. Pushpananda, Senior Lecturer Gr. II	10			
28	Dr.(Mrs) H.N.D. Thilini , Senior Lecturer Gr. II	10		1	
29	Dr. (Mrs) L.N.C. De Silva, Senior Lecturer Gr. II	11			
30	Dr. S.S.P. Matara Arachchi, Senior Lecturer Gr. II, Coordinator/ ADMTC	11			
31	Dr. H.K.T.C. Hallolluwa, Senior Lecturer Gr. II	10			
32	Dr. Kasun Karunanayaka, Senior Lecturer Gr. II	10		1	
33	Dr. (Mrs.) M.G.D.K. Fernando, Senior Lecturer Gr. II	11			
34	Dr.A.P. Sayakkara, Lecturer (Prob.) (From April 2021)	8			
35	Ms. P.G.M.P. Gamage, Asst. Librarian (From February 2021)	9		1	
36	Mr. G.P.N. Boteju, Instructor, Coordinator/CSC (on invitation)	10	1		
37	Prof. R.D. Wijesekara, Nominee/ Faculty of Science, UOC	10		1	
38	Mrs. H.P. Henegama, DR/ Examination	09	2		
39	Ms. D.K.M. Rathnayake, SAR/ Examination (Retired)	03	1	1	
40	Ms. J.A.M.S. Wijerathna, SAR/ Post Graduate Division	10		1	
41	Ms. S.F. Imam, AR/Examination	11			
42	Ms. K. Prathayini, AR/Academic and Publication	11			
43	Ms. W.M.N.K. Weerasooriya, AR/EDC	09		2	

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 2021, 11 meetings of the BOS/IUD were formally held and minutes of all these meetings have been recorded by the academic representative with the help of an administrative staff member. All matters related to internal undergraduate degrees, such as teaching, learning, assessment and administration, are discussed in detail at BOS/IUD. Nine student representatives also attended these meetings only during the first part of the meeting. The composition of the Board of Internal Undergraduate Degrees (IUD) and the participation statistics of the meetings are given below.

S.N	Name	Attendance of 11 Nos. of IUD Meetings			
		Present	Absent	Excused	Leave
1	Prof. K.P. Hewagamage, Director (Chairperson)	11			
2	Dr. D.A.S. Atukorale, Senior Lecturer Gr. I, Deputy Director, Head/ Dept. of CIS	9	2		
3	Dr. (Mrs). M.D.J.S. Goonetillake, Senior Lecturer Gr. I, Head/ Dept. of ISE	10			1
4	Mr. K.P.M.K. Silva, Senior Lecturer Gr. II, Head/ Dept. of CMT	11			
5	Dr. B.H.R. Pushpananda, Senior Lecturer Gr. II, Secretary BOS/ IUD	10		1	
6	Prof. N.D. Kodikara, Senior Professor	8	Retired		
7	Prof. G.K.A. Dias, Professor (Sabbatical Leave)	7			3
8	Prof. D.D. Karunaratne, Professor	10	1		
9	Prof. G.D.S.P. Wimalaratne, Professor	10	1		
10	Dr. A.R. Weerasinghe, Senior Lecturer Gr. I	10		1	
11	Dr. D.N. Ranasinghe, Senior Lecturer Gr. I	8	2	1	
12	Dr. T. Sriharan, Senior Lecturer Gr. I	10	1		
13	Mr. G.P. Senevirathne, Senior Lecturer Gr. I	11			
14	Dr. T.N.K. De Zoysa, Senior Lecturer Gr. I,	11			
15	Dr. C.I. Keppetiyagama, Senior Lecturer Gr. I	11			
16	Dr. H.A. Caldera, Senior Lecturer Gr. I	10		1	
17	Dr.M.G.N.A.S. Fernando, Senior Lecturer Gr. I, Coordinator/ Computer Science Programme	11			
18	Dr. (Ms).S.M.K.D. Arunatilake, Senior Lecturer Gr. II	9	1	1	
19	Dr. M.D.R.N. Dayarathne, Senior Lecturer Gr. II	10		1	
20	Ms. M.W.A.C.R. Wijesinghe, Senior Lecturer Gr. II	9			2
21	Mr. W.V. Welgama, Senior Lecturer Gr. II	11			
22	Dr. H.E.M.H.B. Ekanayake, Senior Lecturer Gr. II, Coordinator/ Information Systems Programme	11			
23	Dr. (Ms.) T.A. Weerasinghe, Senior Lecturer Gr. II	11			
24	Dr. (Ms.) K.H.E.L.W. Hettiarachchi, Senior Lecturer Gr. II	11			
25	Dr. P.V.K.G. Gunawardana, Senior Lecturer Gr. II	11			
26	Dr.(Ms.) H.N.D. Thilini, Senior Lecturer Gr. II	11			
27	Dr. (Ms.)L.N.C. De Silva, Senior Lecturer Gr. II	11			
28	Dr. M.I.E. Wickramasinghe, Senior Lecturer Gr. II	8	2	1	
29	Dr. S.S.P. Matharaarachchi, Senior Lecturer Gr. II	11			
30	Dr. Kasun Karunanayaka, Senior Lecturer Gr. II	10		1	
31	Dr.(Ms).M.G.D.K.Fernando, Senior Lecturer Gr. II	11			
32	Dr. H.K.T.C. Hallolluwa, Senior Lecturer Gr. II	10		1	
33	Dr. A.P. Sayakkara, Senior Lecturer Gr. II (Assumed Duties from February 2021)	10			
34	Ms. R.M.P.N. Somaratne, Lecturer (Probationary)	3	Resigned		
35	Mr. R.M.U.A. Rathnayake, Lecturer (Probationary)	10		1	
36	Mr. K.V.D.J.P. Kumarasinghe, Lecturer (Probationary)	10		1	
37	Dr. K.D. Sandaruwan, Lecturer (Probationary)	9	1	1	
38	Mr. R.J. Amaraweera, Lecturer (Probationary)	9	1	1	
39	Ms. A.L. Nanayakkara Lecturer (Probationary)	11			
40	Ms. C.L. Ishani Fonseka, Lecturer (Probationary)	10	1		
41	Ms. G.K.K. Perera, Lecturer (Probationary)	11			
42	Mr. K.M. Thilakarathna, Lecturer (Probationary)	10		1	
43	Mr. D.T. Bamunuarachchi, Lecturer (Probationary)	10		1	
44	Ms. S.S. Thrimahavitharana, Lecturer (Probationary)	10	1		
45	Mr. B.S. Wickramathilaka, Lecturer (Probationary)	9	2		

46	Ms. M.A.I. Perera, Lecturer (Probationary)	10	1		
47	Mr.M.A.P.P.Marasinghe, Lecturer (Probationary)	9	2		
48	Mr.N.H.P.I.Maduranga, Lecturer (Probationary)	6	5		
49	Ms.T.P.W.Seneviratne, Lecturer (Probationary)	10		1	
50	Mr. W R N S Abeyweera, Lecturer (Probationary) (Assumed Duty from March 2021)	9			
51	Mr.A.M.K.B.Athapaththu, Lecturer (Probationary)	9	2		
52	Ms. M. Krishnathasan, Lecturer (Probationary) (Appointed on 1st November 2021)	2			
53	Ms. JEG Chathurangani, Lecturer (Probationary) (Appointed on 1st December 2021)	2			
54	Ms. P.G.M.P. Gamage, Asst. Librarian (From February 2021)	10			
55	Mr. G.P.N. Boteju, Instructor Gr. II	10	1		
94	Ms. H.P. Henegama, DR/ Academic & Publication (In Attendance) (Resumed duties in March' 21 after sabbatical leave)	8			
95	Ms. D.K.M. Rathnayake, SAR/Examinations & Registration (In Attendance) (Retired)	4			
96	Ms.S.F. Imam, AR/ Examinations & Registration (In Attendance)	10		1	
97	Ms. K. Prathayini, AR/ Academic & Publication (In Attendance)	11			

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 2021. 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	Prof. K.P. Hewagamage, Director (Chairperson)	11		
2	Dr. D.A.S. Athukorala, Deputy Director, Head/CIS & Senior Lecturer Gr. I	10		1
3	Mr. G.P. Seneviratne, Senior Lecturer Gr. I, Rep./CIS	11		
4	Prof. G.D.S.P. Wimalaratne, Head/ CMT & RHD, Professor	9		2
5	Dr. (Mrs) M.D.J.S. Goonetillake, Head/ISE, Senior Lecturer Gr. I	10		1
6	Dr. T.N.K. De Zoysa, Coordinator/Cybersecurity, Senior Lecturer Gr. I	9		2
7	Mr. W.V. Welgama, Senior Lecturer Gr II, Coordinator/MIT	11		
8	Mr. K.P.M.K. Silva, Senior Lecturer Gr. II, Coordinator/MCS, Rep./CMT, (Sec. RHD)	11		
9	Dr. M.I.E. Wickramasinghe, Senior Lecturer Gr II, Coordinator/MBAnalytics	9		2
10	Dr. P.V.K.G. Gunawardana, Senior Lecturer Gr II, Coordinator/MIS	10		1
11	Dr. T.A. Weerasinghe, Senior Lecturer Gr II, Coordinator/e-Learning Centre	9		2

12	Dr. S.S.P. Matara Arachchi, Senior Lecturer Gr II, Coordinator/ADMTC	11		
13	Dr. M.G.N.A.S. Fernando, Senior Lecturer Gr I, Rep/ISE	9		2
14	Mrs. M.W.A.C.R.Wijesinghe, Senior Lecturer Gr II Coordinator/MSc in Bioinformatics, Coordinator/QAC	10		1
15	Prof. N.D. Kodikara, Head/Quality Assurance Cell (Retired from October)	2		1
16	Dr.(Mrs.) L.N.C. De Silva, Senior Lecturer Gr II, Project Coordinator/MSc in CS	9		2
17	Dr. H.N.D. Thilini, Senior Lecturer Gr II, Project Coordinator/MIT	11		
18	Mr. P.K.M. Thilakarathna, Lecturer (Prob), Project Coordinator/MIS	10		1
19	Dr. B.H.R. Pushpananda, Senior Lecturer Gr II, Project Coordinator/MCS	9		2
20	Dr. K.A.K.T. Karunanayake, Senior Lecturer Gr II, Project Coordinator/Cybersecurity	10		1
21	Dr. H.K.T.C. Halloluwa, Senior Lecturer Gr II, Project Coordinator/MB Analytics	11		
22	Ms. H.P. Henegama, Deputy Registrar/Examination (On sabbatical until March)	8		
23	Ms. M.S. Wijerathna, SAR/Postgraduate, Research & Projects (In attendance)	11		
24	Ms. D.K.M. Rathnayake, SAR/Examinations & Registration (In attendance) - Retired from June	3		1

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

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

No	Name	Attendance of 12 EEP Meetings		
		Present	Absent	Excused
1	Prof. K.P. Hewagamage, Director (Chairperson)	12		
2	Dr. D.A.S. Atukorale, Head/EEP and Dept. of CIS	12		
3	Prof. G.D.S.P. Wimalarathne, Head/ Dept. of CMT/ Postgraduate	9		3
4	Dr. (Mrs.) M.D.J.S Goonetillake, Head/ Dept. of ISE	11		1
5	Dr. M.G.N.A.S Fernando, Nominee- CS Programme	12		
6	Mr. W.V. Welgama, Secretary EEP	12		
7	Dr. (Mrs.) T.A. Weerasinghe, Coordinator- eLearning Centre	12		
8	Dr. (Ms) K.H.E.L.W. Hettiarachchi, Academic Coordinator - BIT	12		
9	Dr. (Mrs.) L.N.C. De Silva, Coordinator- PDC	11		1
10	Dr. S.S.P. Matharaarachchi, Coordinator- ADMTC	12		
11	Mr. G.P.N Boteju- Coordinator- CSC	11		1

12	Dr. T.C. Hallouwa, BIT Project Coordinator	10		2
13	Dr.(Mrs.) H.N.D. Thilini, BIT Curriculum Committee Invitee	11		1
14	Mrs. R.P. Balasuriya, Instructor–Examinations Division	12		
15	Mr. G.S. Hettiarachchi BIT VLE Co-ordinator	11	1	
16	Ms. K.M.G.B. Nishakumari BIT VLE Facilitator	11		1
17	Mr. T.C. Galahena, Web Master – BIT Site	11		1
18	Ms. C.O.D. Padmaperuma- Asst.to Project Coordinator/BIT	11		1
19	Mrs. D.K.M. Rathnayake Senior Asst Registrar/ Examinations (Retired in June)	3	1	
20	Ms H.P. Henegama - DR/Examinations (From June)	6		
21	Ms. K.C. Senarath Senior Asst Registrar/ Legal	12		
22	Ms. S.F. Imam Assistant Registrar/ Examinations	12		
23	Ms. W.M.N.K.Weerasooriya Assistant Registrar/ EDC	12		
24	Ms. P. M. K. Jayaratne Assistant Registrar/Directors Office	11		1

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 programmes at the UCSC. The Head of the Department during 2021 was Dr. D.A.S. Athukorala. 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 2021 was Prof. G.D.S.P. Wimalaratne. Since Prof. G.D.S.P. Wimalaratne was on sabbatical leave, Mr. Malik Silva was appointed as the Acting Head of CMT with effect from December 2021. 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 programmes at the UCSC. The Head of the Department during 2021 was Dr. (Mrs.) M.D.J.S. Goonetillake. More details are given in the website of UCSC (<https://ucsc.cmb.ac.lk/department-of-information-systems-engineering/>).

1.2.7 CENTRES

Advanced Digital Media Technology Centre (ADMTC)

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

Following are the main activities carried out by ADMTC during 2021:

- Managing and maintaining the UCSC Auditorium
- Managing and maintaining the Digital Studio of UCSC
- Producing digital and printed materials of UCSC
- Maintaining UCSC Website
- Conducting courses on Graphics Design and Creativity Development and Advanced Multimedia Web Design and Development.
- Contributing for preparing the UCSC Newsletter.
- Facilitating the UCSC conference – ICTer 2021 (www.icter.org/conference)
- Publishing UCSC Journal – International Journal on Advances in ICT for Emerging Regions (ICTer 2021) – www.icter.org/journal

ADMTC has commenced (completed or ongoing) the Graphic Design and Creativity Development course in the year 2021 for three batches of 32 students and the Advanced Multimedia Web Design and Development for three batches of 56 students to disseminate the knowledge. All the batches were conducted online during 2021.

UCSC Auditorium was not fully functional for the year 2021 since UCSC could not assure the health conditions of participants to events organized by external parties. However, ADMTC provided technical support for several Research Symposia, as mentioned below.

Symposium	Total Cost of the Symposium	Income	UCSC Sponsored Amount
Symposium organized by the National Institute of Library and Information Science (NILIS) on 23 rd January 2021	300,000/-	150,000/-	150,000/-
National study on “Sri Lanka Students’ Readiness for International Assessments” organized by the National Education Research and Evaluation Centre (NEREC) in collaboration with the Ministry of Education on 22 nd July 2021	40,000/-	20,000/-	20,000/-
CENWOR online conference organized by the Centre for Women’s Research on 24 th November 2021	600,000/-	600,000/-	N/A
Research Symposium organized by the Faculty of Education, University of Colombo on 26 th November 2021	147,000/-	73,500/-	73,500/-
Research Symposium organized by the Faculty of Law, University of Colombo on 27 th November 2021	300,000/-	150,000/-	150,000/-

In addition to the above, the ADMTC team undertook the consultancy to design, develop, test and maintain a web-based voting system for the National Academy of Science of Sri Lanka (NASSL) for a full and final cost of Rs. 205,000/-.

Computing Services Centre (CSC)

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

The activities undertaken by the CSC are in three folds.

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

Short Term Training Courses conducted by CSC

The UCSC conducts specialized, short-term training programmes in the most advanced and up to date topics that are in demand in the industry. These programmes 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 a 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 programmes for individual groups of companies were also arranged on demand. Certificates issued at CSC could be verified at <http://www.ucsc.lk/verify> using the certificate numbers.

Tests Conducted by CSC to External Parties

CSC conducted the below-mentioned recruitment and confirmation tests to external parties, in the year 2021.

Description	No. of Participants	Total Income	Discount	Discounted Income
Online aptitude test for the recruitment of Computer Instructors for the Institute of Human Resource Advancement (IHRA) on 22 nd July 2021	12	48,000/-	24,000/-	24,000/-
Online recruitment test for the post of System Engineer (Grade II) for the University of Colombo on 1 st November 2021	7	28,000/-	14,000/-	14,000/-
Online recruitment test for the post of Programmer Cum Systems Analyst on 14 th December 2021	9	36,000/-	18,000/-	18,000/-
Confirmation test of Management Assistant (Grade III) of National Institute of Libraries and Information Sciences (NILIS)	1	2,500/-	500/-	2,000/-

In addition, CSC took measures to organize the following workshops especially for the Administrative and Non-Academic staff of the UCSC. These workshops were held via Zoom Conferencing and positive feedback were received from the staff.

1. Online workshop on effective email communication (Part I) on 8th September 2021
2. Online workshop on effective email communication (Part II) on 15th September 2021
3. Online workshop on Google Calendar on 22nd September 2021
4. Online workshop on Google Calendar on 8th October 2021
5. Online workshop on Google Drive and Documents (Part I and II) on 13th October 2021
6. Online workshop on Google Documents on 10th November 2021

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 programmes of UCSC in order to provide effective and efficient service to the general public. Currently, EDC coordinates the Bachelor of Information Technology (BIT) as an external degree programme of the University of Colombo and the Foundation of Information Technology (FIT) as the extension programme to facilitate students who do not have a minimum requirement to register programme.

EDC Activities during 2021:

The registration of new BIT Students (more than 2450), Re-registration of current students (more than 5000), conducting meetings with teaching institutions (more than 20 teaching institutes), conducting a 2 institute meetings with the Teaching Institutes, Planning to conduct 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 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 centre of the UCSC to support undergraduate, postgraduate and external and extension degree programmes, it has become a national Centre during the last decade by providing services for both local and international organizations (www.e-learning.lk). eLC has a dedicated staff who conducts research and development work in e-Learning.

National and international Courses developed by eLC

1. Video course learning content development for e-learning & b-learning for The International Institute of Online Education (IIOE).
2. English Language Training Programme for University Grant Commission.

Activities carried out during 2021

- Conducted the FIT e- Test Old syllabus part I on 8th, 9th, 10th, 11th, 12th, 15th, 16th, 17th of February 2021.
- Conducted the FIT e- Test Old syllabus part II on 18th, 19th, 22nd, 23rd, 24th, 25th of February 2021
- Conducted the Confirmation Test for National Institute of Library and Information Sciences (NILIS) & University of Colombo on 02nd March 2021

- Conducted the FIT e- Test New syllabus on 4th , 5th, 8th, 9th and 10th March 2021.
- BIT Assessment marking session (EN2106) on 9TH March 2021.
- The meeting on reviewing the progress of ELT Programme on 24th March 2021
- Conducted the FIT e- Test New syllabus rescheduling examination on 29th march and 01st April 2021.
- The Meeting with International Centre for Higher Education Innovation under the auspices of UNESCO (UNESCO-ICHEI), on Wednesday the 12th of May at 11.00 AM to discuss a new project on co-developing a course for IIOE
- Continued development of FIT and BIT courses
- Started piloting the ELT programme with the 1st year students of the UCSC on the 7th of May 2021
- Continued the ELT programme development work
- Developed a trailer (promotion) video for the new course, "Video-based learning content development for blended and e-learning courses" for IIOE platform (<https://www.iioe.org/>) together with ADMTC.
- Completed the 1st phase of the ELT content development.
- presented the promotion video of the "Video-based Learning Content Development for e-Learning and b-Learning" at the IIOE Asia-Pacific Mid-Year Meeting 2021 conducted by the UNESCO-ICHEI on the 27th of July 2021
- Conducted interview for the vacancy of instructor for System Developer in eLC on 21st August 2021.
- Conducted a progress review meeting of the ELT project on September 17th, 2021 with the UGC-appointed subject matter experts.
- Conducted a meeting with UNESCO-ICHEI on September 29th, 2021 to revise the course delivery schedule.
- Held a meeting with the Health Promotion Bureau on September 30th, 2021 to design two staff training programmes for them.
- Internship interviews: Recruit staff for eLC on 13th October 2021.
- The Meeting for Requirement gathering- Training for Navy on 06th October 2021.
- Meeting with UNESCO-ICHEI on Co-development of video-based online course on 29th October 2021
- ELT course development work has been completed.
- Two deadlines of IIOE were met and submissions were delivered on the 4th November and 29th November 2021 respectively.
- Conducted the FIT practical test on 27th, 28th and 29th December 2021.

In addition to the above mentioned activities eLC carried out below mentioned activities also during the year 2021.

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

Further, eLC carried out several projects from external parties such as "Pre-university online english language training programme" (ELT) with UGC and co-developing a Course for International Institute of Online Education with UNESCO (UNESCO- ICHEI).

Professional Development Centre (PDC)

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

Activities for the year 2021

- The final industry placement evaluations were carried out for the academic year 2020/2021.
- A selection committee was appointed and facilitated the evaluation to select the best candidate for the award of "Best Performance in Industrial Placement – 2020."
- Student and company feedback was collected concerning industry placements carried out in 2020.
- Organized several sessions for professional development together with the industry for both internal and external undergraduates.
- The newly registered companies under the UCSC internship program were interviewed via Zoom (Number of New Companies for 2021 – 32).
- Two hundred seventy-nine (279) students were placed in 73 IT companies, 2 Government institutes, and 7 UCSC Projects under the undergraduate internship program for the academic year 2021/2022.
- Twenty-four (24) different professionals were invited from the IT industry to conduct tech talks for the 3rd-year undergraduates. Tech talks were conducted via zoom due to the pandemic situation.
- Industry placement monitoring program was conducted to monitor the interns' progress and discuss any issues pertaining to the internship program.
- Separate meetings were organized with the head of directors of Wiley technology (PVT) LTD, LSEG (PVT) LTD, John Keels (PVT) LTD, VIRTUSA (PVT) LTD to discuss the potential collaboration to reduce the gap between the academia and the industry.
- Organized/Facilitated a session on research and development for UCSC academic staff. The LSEG conducted this session.
- Several web banners, Competitions, Online sessions organized by the IT industry were published and encouraged students to participate.
- Organized/Facilitated the 'Mobile app development training and certification course', conducted by Huawei mobile services (HMS). Six (6) online sessions were conducted for internal/external undergraduates and staff of UCSC.
- The PDC assisted the UCSC career fair organizing committee – 2021 in organizing the virtual event.
- Several meetings were conducted with professionals from the IT industry to enhance the industry-academia partnership.
- Engaged in handling the student issues and inquiries throughout the year.

Centre 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 19 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 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 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, 250 cases to be investigated by 31st December 2021 and we have already completed 427 cases.

Since 2020 CDF has taken the responsibility of conducting undergraduate courses in the area of Information Security and Digital Forensic. In addition to that CDF continues it's support to conduct various postgraduate programs at UCSC.

From 2020 to the end of 2021 CDF has generated Rs. 950,000.00 as it's income. However, CDF has spent Rs. 4.5 million as it's total expenditure for this period. Thus, the income of CDF is totally inadequate to cover it's expenses, and it has directly affected the operation of the Centre.

CDF has been providing consultancy services for Government Organizations, different Courts, the Criminal Investigation Department as well as Private Organizations in the field of Digital Forensics from the year 2021 by expanding its infrastructure facilities. Therefore CDF is expected provide additional services in the field of Digital Forensics to the government and the private sector and earn more income in the year 2022.

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 programmes (internal), postgraduate programmes, and external or extension programmes. The three Boards of Studies (described in previous sections) are responsible for the operational processes of these educational programmes.

2.1 UNDERGRADUATE EDUCATION

Computing studies at the undergraduate level were first introduced back in 1967 as a part of the courses offered by the Faculty of Science at the University of Colombo. UCSC, which is the computing faculty of the University of Colombo, still continues to offer courses at the Faculty of Science and 1157 students of the Faculty of Science followed courses conducted by the UCSC. Degree programmes 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 2021, 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 programmes 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 programmes was designed and developed based on the IEEE/ACM international guidelines for computing degrees. UCSC has also established an academia-industry advisory board to obtain the feedback of the local industry to improve the relevance of all its computing degrees in order to maintain the **employability rate of UCSC graduates over 90%**. Those five degrees are depicted below with respect to SLQF levels.

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

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

The selection for the four-year degree programme is carried out based on the students' performances of the first two years. Students who earn more than 2.75 GPA are eligible to apply for honours degree but the current intake size for CS stream is 50 and IS stream is 25. CS students were given the opportunity to select BSc Hons in CS or BSc Hons in SE. Results of the first two years examination were released before the commencement of the first semester of the third year of studies. The revised curriculum is now active for all degree programmes. 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 IS degree programme in August 2021 **where 2426 applicants applied and 349 were qualified** to apply for IS stream. The actual number of students registered for degree programmes are given below.

2.1.2 ACADEMIC YEAR – 2018/2019 AND STUDENT ENROLMENT

Table 2.1.2. - A: Enrolment - Distribution of UCSC Intake – 2021

Stream of Study	Intake Size	Number enrolled	Male	Female
CS Stream	230	224 (97.4%)	152 (68%)	72(32%)
IS Stream	127	123 (97%)	44 (36%)	79 (64%)
Total	357	347 (97%)	196 (56%)	151 (44%)

An academic year usually consists of two semesters where each semester comprises of 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 2021 is given below. The inauguration for the new undergraduate students selected for UCSC was held on 27th April 2021 and followed by the orientation programme from 28th April 2021 to 7th May 2021 (online) before the commencement of the academic year.

<https://ucsc.cmb.ac.lk/events/inauguration-ceremony-undergraduate-academic-year-20182019/>

Academic Time Table for the Year 2021

DURATION		WEEKS	16/17	17/18	18/19	19/20
26-Apr-2021	9-May-2021	2	Inauguration - 2019/2020 Batch (on 27 th April, 2021) Orientation - from 28 th April to 7 th May, 2021			
10-May-2021	4-Jul-2021	8	4S1	3S1	2S1	1S1
5-Jul-2021	11-Jul-2021	1	Semester Break - 1			
12-Jul-2021	15-Aug-2021	5	4S1	3S1	2S1	1S1
16-Aug-2021	29-Aug-2021	2	Semester Break - 2			
30-Aug-2021	12-Sep-2021	2	4S1	3S1	2S1	1S1
13-Sep-2021	26-Sep-2021	2	End of the 1st Semester (3 rd Year Project Evaluation)			
27-Sep-2021	28-Nov-2021	9	4S2	3S2	2S2	1S2
29-Nov-2021	5-Dec-2021	1	Mid Semester Break (ICTer Conference)			
6-Dec-2021	19-Dec-2021	2	4S2	3S2	2S2	1S2
20-Dec-2021	2-Jan-2022	2	Christmas & New Year Vacation			

3-Jan-2022	23-Jan-2022	3	4S2	3S2	2S2	1S2
24-Jan-2022	30-Jan-2022	1	Study Leave			
31-Jan-2022	13-Feb-2022	2	Second Semester Examination for the 1 st , 2 nd & 4 th Years (online/physical exams)			
14-Feb-2022	27-Feb-2022	2	Study Leave			
28-Feb-2022	27-Mar-2022	4	First Semester Examination for the 1 st , 2 nd , 3 rd & 4 th Years (online/physical exams)			
28-Mar-2022	10-Apr-2022	2	Second Year Group Project			
11-Apr-2022	17-Apr-2022	1	Sinhala & Hindu New Year Vacation			
18-Apr-2022	24-Apr-2022	1	Fourth Year Final Defense + New Intake Registration			
25-Apr-2022	8-May-2022	2	Examination Paper Marking			
9-May-2022	15-May-2022	1	Inauguration - 2020/2021 (10th May 2022) Industry Placement Presentation (from 11th May 2022)			
16-May-2022	29-May-2022	2	Examination Board (4th Year Selections) (16th May 2020) Orientation Programme (from 16th May onwards)			
30-May-2022			Commencement of New Academic Year			

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

2.1.3 STUDENT PERFORMANCES AT EXAMINATION

Table 2.1.3. - A: Study Programme: CS Stream

Academic Year	Registered Students	No of Students Sat for Exam	No. of Students – GPA \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]
2019/2020 (1 st Year)	226	Being processed				
2018/2019 (2 nd Year)	194					
2017/2018 (3 rd Year General)	143					
2017/2018 (3 rd Year Special)	50					
2016/2017 (4 th Year)	50					

Table 2.1.3. - B: Study Programme: IS Stream

Academic Year	Registered Students	No 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
2019/2020 (1 st Year)	123					
2018/2019 (2 nd Year)	96					
2017/2018 (3 rd Year General)	65					
2017/2018 (3 rd Year Special)	25					
2016/2017 (4 th Year)	25					

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 programmes. The blended learning is practiced in all degree programmes and the Virtual Learning Environment (VLE) for the degree programme <http://ugvle.ucsc.cmb.ac.lk>

2.1.4 INDUSTRIAL PLACEMENT

In order to improve the relevance of the degree program concerning national and industrial requirements, industrial placement has been introduced as a compulsory requirement for all the students of UCSC. The Professional Development Centre (PDC) was set to address these requirements and keep a close liaison with the IT industry and improve the academic programs with the help of the industry. The second semester of the third year of studies is allocated for industrial placements. UCSC has also established an academia-industry advisory board to obtain the feedback of the local industry to improve the relevance of all its computing degrees to maintain the employability rate of UCSC graduates over 90%. The statistics of the 2021 placement are given below.

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

Type of Organizations – Placement	Number of Students Placed	Number of Organization
IT Companies	253	73
Government Institutes	2	2
Research and Consultancy Projects at UCSC	24	7
Total	279	82

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

2.1.5 UNDERGRADUATE STUDENT WELFARE

2.1.5.1 UNDERGRADUATE STUDENT WELFARE

(a) Hostel Facilities

In the year 2021, 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 2021 are given in the table below.

However, due to covid-19 pandemic situation, UCSC forced to reduce number of students considering social distancing and other health guidelines (Girls hostel 10 and Boys hostel 12). Hence, the Board of Management decided to pay a special hostel bursary for students who were not allowed to stay at the hostel.

Boys Hostel:

Hostel Address: 474/B, Kaduwela Road, Deniyawatta, Battaramulla
 Academic Warden: Dr. M.I.E. Wickramasinghe
 Academic Sub-Warden: Mr. R.J. Amaraweera
 Capacity: 35

Girls Hostel:

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

Table 2.1.5.1. – A: Hostel Facilities Requested and Granted in 2021

Hostel	Applied for hostel facilities	1 st Year students		Final year (3 rd and 4 th) students			Total
		CS Stream	IS Stream	CS Stream	IS Stream	SE Stream	
Boys Hostel	72	46	26				72
Girls Hostel	77	48	29				77
Total	149	94	55				149

Table 2.1.5.1. - B: Funds spent on Hostel facilities

Hostel	Capacity	Rent for 12 Months	Utility Cost	Management Cost	Registered Students	Cost per student Rs.
Boys' Hostel	35	217,500.00	Other: 29,640.32 Water: 8,400.00 Electricity: 9,600.00	Warden Allowance 6,000.00 Sub Warden Allowance 9,000.00 Caretaker Salary: 35,398.80	35	9,015.40.

Girls' Hostel	36	900,000.00	Other: 32,450.45 Water: 24,000.00 Electricity: 36,000.00 Telephone: 6,000.00	Warden Allowance 6,000.00 Sub Warden Allowance = 12,750.00 Caretaker Salary: 468,000.00	36	27,734.73
Total					71	36,750.13

(b) Canteen facilities

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

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

Mr. S. Amarasinghe was selected as the Canteen Contractor for the student canteen for a period of one year under the government procurement procedure in 2019 and the same contract was extended several times in 2021 under the approval of BOM due to the current pandemic situation in the country. UCSC provides the electricity, water, and utilities required to operate the kitchen free of charge. The owner of the canteen is supposed to provide their service according to the agreement. Due to the pandemic situation, the UCSC canteen was closed for a whole year during 2021. The tendering process of the canteen was postponed until the normal operations are recommenced in the university.

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

(c) Counseling for Undergraduates

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

It is important to note that all information that students communicate with student counselors will be kept confidential and will only be communicated to the Professional Counselor if the student agrees.

Similarly, the Professional Counselor will only communicate back to the UCSC if there is any action required by the UCSC with respect to any impact on the issue of the study program that the student is engaged in. If the Professional Counselor determines that further help is needed he/she will refer the student, with his/her consent, to a Clinical Psychologist or Psychiatrist.

The Services of two academic Student Counselors, namely Dr. (Mrs) T.A. Weerasinghe and Mr. G.P. Seneviratne were provided for all students in 2021. The Professional Counselor Mrs. Nilani Thushanthika provided the service of 2 -3 hrs a day in 2021 to facilitate the students who required counselling. UCSC paid for the service of Professional Student Counselors on an hourly basis. In general, around 30-40 students took regular consultations from these Counselors.

During 2021, online counselling was provided through phones and online meetings with counsellors since physical visits were not possible due to covid-19 pandemic situation. Several online surveys were conducted to find out common issues of students and specific issues due to covid-19 pandemic. Professional Student Counsellor was asked to follow up those specific issues and students who faced issues with respect to financial difficulties due to pandemic was given special support with the help of Alumini association of UCSC.

(d) Financial Assistance for Undergraduate Students

Financial assistance was given to students in the form of Mahapola Scholarships, Bursaries, Industry Scholarships, and student welfare and distress fund. Since academic activities were carried out online during 2021, it was decided to continue all these scholarships as planned.

Mahapola Scholarships

The Mahapola scholarships sponsored by the Mahapola Trust Fund of the Ministry of Commerce & Consumer Affairs were awarded to 317 students during the year 2021. The value of Merit and Ordinary scholarships were Rs. 5,050 and 5,000 respectively (Computer Science [CS] + Information System [IS]).

Table 2.1.5.1. – C: Number of students - Mahapola Scholarship Granted – 2021

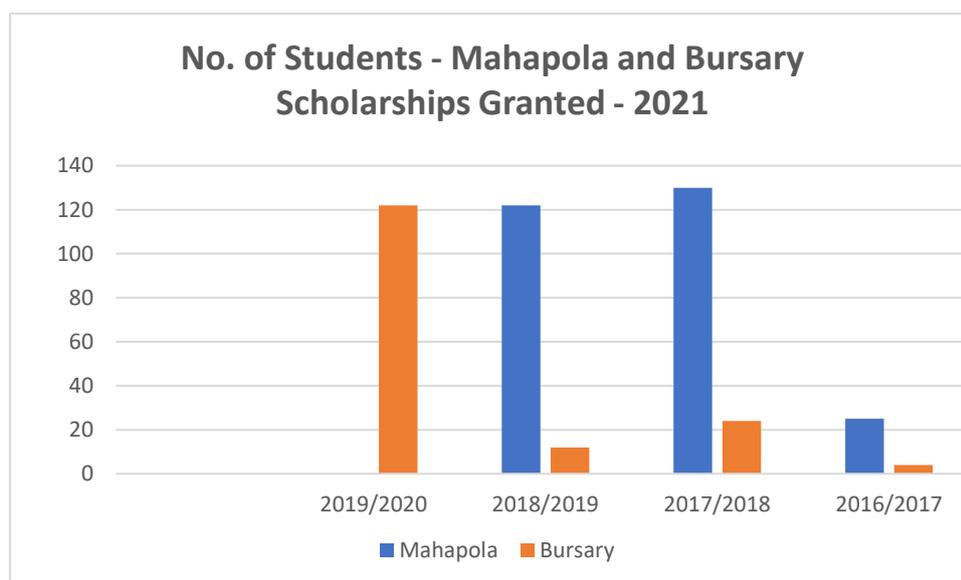
Year of Intake	Year of Study	Merit scholarship (CS+IS)	Normal scholarship (CS+IS)	Total
2019/2020	Year 1			
2018/2019	Year 2	6(6+0)	116(95+21)	122 (101+21)
2017/2018	Year 3	13(13+0)	117(91+26)	130 (104+26)
2016/2017	Year 4	10(10+0)	15(07+8)	25 (17+8)
All	Total	29	248	277

Bursaries

Bursaries were awarded in accordance with UGC Circulars, which governs the selection of students for Bursaries. 49 students were awarded Bursaries during 2021. The breakdown of the Bursary recipients for the year 2021 is shown in the following table (Computer Science [CS] + Information System [IS]). During 2021, the bursary payment was made to facilitate students to engage in the education through online mode.

Table 2.1.5.1. – D: Number of students -Bursary Granted – 2021

Year of Intake	Year of Study	Full Bursary (Rs. 4000) (CS+IS)	Half Bursary (Rs. 3900) (CS+IS)	Total
2019/2020	Year 1	122(74+48)		122 (74+48)
2018/2019	Year 2	12(3+9)		12 (3+9)
2017/2018	Year 3	24(10+14)		24 (10+14)
2016/2017	Year 4	4(2+2)	2(2+0)	6 (4+2)
All	Total	162	2	164



Industry Scholarships

Private organizations are invited to sponsor scholarships for needy students every year. **IFS R&D Ltd. sponsored 8 scholarships** at Rs. 5000/= per month for a period of 12 months. The Deputy Director, Heads of the Departments, Coordinators of the Undergraduate degree programmes, Student Counselors and Administrative Officers are directly involved in selecting these students after interviewing them.

Table 2.1.5.1. – E: Industry Scholarships 2021

Number of scholarships and scholarship amount	Number of First Year Students	Number of Second Year Students
08 Scholarships – Rs. 5,000/- per month	4 Students	4 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 programmes to utilize them for student distress and welfare activities. In 2021, 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:

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

In 2021, 14 students were offered scholarships from the Student Welfare and Distress Fund. Among them, there were 13 scholarships at Rs. 5,000/- and 01 scholarships at Rs. 3,000/- for a period of 10 months. Hence, **over 0.6 million from UCSC generated income** was spent on special scholarships for students who had financial difficulties.

Table 2.1.5.1. – F (A): Special Financial Supports 2021

Number of full scholarships and scholarship amount	Number of partial scholarships and scholarship amount	Total Amount for year 2021
13 Scholarships – Rs. 5,000/- per month	1 Scholarship - Rs. 3,000/- per student	Rs. 68,000/- *10 Rs.680,000/-

Table 2.1.5.1. – F (B): Special Financial Supports 2021

Utilization Category	Event	No. of students	Paid Amount (Rs.)
Utilization of the Student Welfare and Distress Fund	Due to death of the Bread Winner.	1	15,000/-

Scholarship Funded By Foreign Donors

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

Table 2.1.5.1. – G: Scholarships Funded by Foreign Donors 2021

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

Table 2.1.5.1. – G (I): Shorea Robusta Scholarships - 2021 (4th year Scholarship)

Number of scholarships	Scholarship amount	Duration
3 Scholarships	2 Full Scholarships (Rs. 3,000/- per month) 1 Partial Scholarship (Rs. 2,000/- per month)	10 Months

2.1.6 UCSC STUDENT UNION

According to the progress of the Sub-Paras 25 and 26 of the Ordinance, University of Colombo School of Computing No. 01 of 2002, of the Student Union election was held for the year 2021 and following members were elected for the Student Union.

Name of the Student	Reg. Number	Office Bearer
B.H.R. Cooray	2018/CS/026	President
A.A.N. Nishamal	2019/IS/052	Vice-President
R.M.S.B.V. Rathnayake	2019/CS/140	Secretary
N.S. Wimalaweera	2019/CS/196	Editor
S.A.A.D. Maithripala	2019/IS/043	Junior Treasurer
N.G.W.W. Balasooriya	2019/IS/009	Committee Member
D.M.A.A. Dissanayake	2019/CS/039	Committee Member
M.N.M. Razeen	2019/IS/070	Committee Member
J.P.M. Dass	2019/CS/028	Committee Member
V.G.A. Induwara	2020/IS/048	Committee Member
A.A. Kivi	2020/IS/057	Committee Member
T.A.D. Chanuka	2020/CS/023	Committee Member
M.S.M. Suraif	2020/CS/182	Committee Member

Many activities of students are coordinated by the Student Union, although there are several student clubs and societies. However, due to the pandemic situation, it was not possible to conduct physical activities and many online activities including Sinhala-Tamil New Year Online Avurudu was conducted during 2021.

2.1.7 STUDENT ACTIVITIES

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

Table 2.1.7.: A: Timeline of Key Student Activities – 2021

Event	Date
IEEE Student Branch of UCSC <ul style="list-style-type: none"> - IEEE Student Branch of UCSC – Induction - 7LinesOfCode - MadHack - RevolUX - ReidXtreme - IEEE Day 	14/05/2021 22/05/2021 01/06/2021 05/06/2021 26/09/2021 07/10/2021
IEEE Computer Society Chapter of UCSC <ul style="list-style-type: none"> - TECHNORION - TECHZEN - Induction - DesignX - Intellihack2.0 	24/04/2021 29/05/2021 10/07/2021 18/08/2021 27/08/2021
IEEE Women In Engineering <ul style="list-style-type: none"> - Hackaholics 4.0 - Induction - WebHex 	02/05/2021 13/06/2021 08/08/2021
Computer Society of UOC <ul style="list-style-type: none"> - Ezkaype - CompSoc Tech Talks 	06/08/2021 02/10/2021
UCSC ISACA Student Group <ul style="list-style-type: none"> - Annual General Meeting - Career Guidance Session - FreshHack 2.0 - iCS 2.0 Cyber Security Workshop - iCS 2.0 	29/04/2021 10/07/2021 09/10/2021 27/11/2021 11/12/2021
UCSC Exploration Club <ul style="list-style-type: none"> - Exploration Club Induction - First year mentoring program 	14/11/2021 27/11/2021

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

2.1.8 STUDENT ACHIEVEMENTS

2.1.8.1 EXTRACURRICULAR

Students are encouraged to participate in many extracurricular activities to enhance their knowledge, skills, attitude and mindset. At the same time, such participation provides a better external reputation for the UCSC and its students. The following list provides the details of the achievements in 2021.

Competition	Achievement
Hacktitude 2020 organised by 99x technology	Champions, Finalists
RevolUX 2021 (Inter University Designathon) organized by IEEE Student Branch of UCSC	Champions
MadHack 2021 Mobile Application Development Hackathon organized by IEEE Student Branch of UCSC	3rd Place

2.1.9 GRADUATION 2021

Due to the epidemic situation, the graduation ceremony for the year 2020 was postponed and finally held on 17th, 18th and 19th, December 2021 in the BMICH. Accordingly, the graduation ceremony for the year 2021 is likely to be held in the year 2022. 267 students graduated from 5-degree programmes in Computer Science, Information Systems and Software Engineering streams. Students of the BSc in Information Systems and BSc Hons. in Information Systems degree programmes are analysed with respect to their A/L study stream (Tables 2.1.9 B and 2.1.9 C).

Table 2.1.9. – A: Final Academic Performance of UCSC Graduates – 2021

Programme of Study	Main/Repeat	No. of students Sat for the Final Exam		Total no. of students Graduated										Pass Rate %	
		Male	Female	First Class		Second Upper		Second Lower		Pass		Total		Male	Female
				Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
B.Sc. in Computer Science (A/Y 2016/2017)	Main	132	59	1		29	13	11	15	46	14	87	42	66	71
B.Sc. in Information Systems (A/Y 2016/2017)	Main	37	59		1	13	17	6	17	5	9	24	44	65	75
B.Sc. (Hons) in Computer Science (A/Y 2015/2016)	Main	18	14	9	9	7	4	1	1			17	14	94	100
B.Sc. (Hons) in Software Engineering (A/Y 2015/2016)	Main	3	5	1	1	1	4	1				3	5	100	100
B.Sc. (Hons) in Information Systems (A/Y 2015/2016)	Main	10	10	6	8	3	2			1		10	10	100	100

B.Sc. in Computer Science (A/Y 2012/2013)	Repeat	2								2		2		100	
B.Sc. in Computer Science (A/Y 2013/2014)	Repeat	1								1		1		100	
B.Sc. in Computer Science (A/Y 2015/2016)	Repeat	3								3		3		100	
B.Sc. in Information Systems (A/Y 2011/2012)	Repeat	1								1		1		100	
B.Sc. in Information Systems (A/Y 2015/2016)	Repeat	2	2							2	2	2	2	100	100

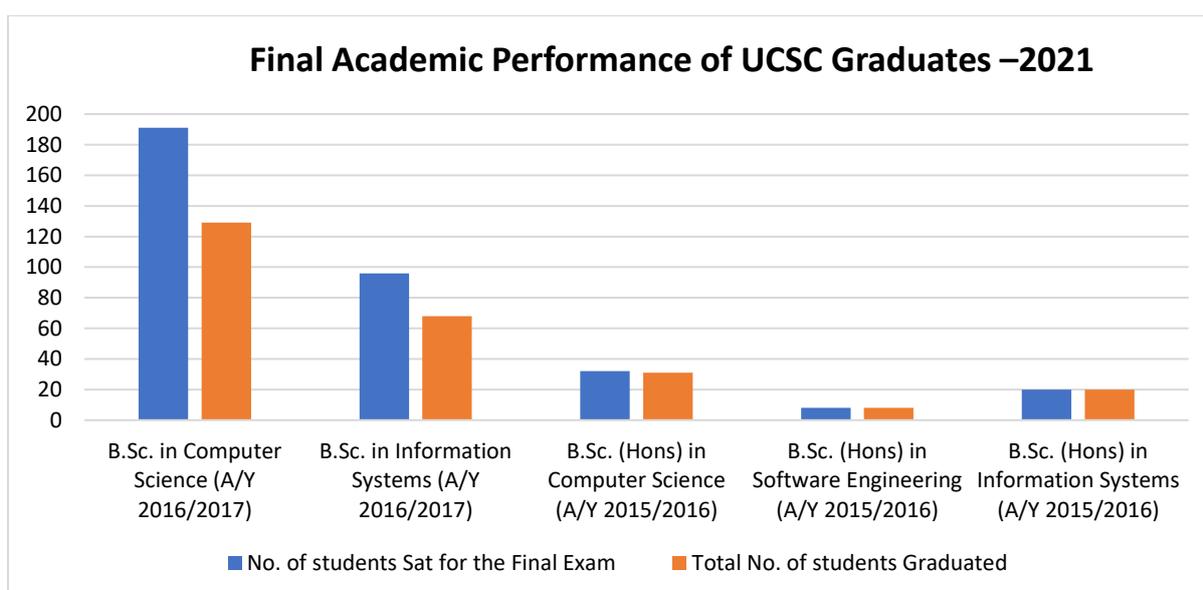


Table 2.1.9. – B: Performance of BSc in IS Graduates with A/L study streams

Class	First			Second Upper			Second Lower			Pass			Total
	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	
Stream	M			11	7	18	5	7	12	3	2	5	35
	B			2	8	10	1	4	5		2	2	17
	C		1	1		2	2		5	5	3	5	16
	A										2	2	4
	T								1	1			
Total		1	1	13	17	30	6	17	23	5	9	14	73

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

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

Class		First			Second Upper			Second Lower			Pass			Total
Gender		M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	
Stream	M	2	4	6	2	1	3							9
	B	3	2	5	1		1							6
	C	1	2	3							1		1	4
	A					1	1							1
	T													
Total		6	8	14	3	2	5				1		1	20

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

2.1.10 UNDERGRADUATE AWARDS

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

Table 2.1.10. – A: Convocation Awards for Information Systems Degree Programme – 2021

Name of the Award	Name of the Awardee
Zebra Technologies Academic Excellence Award for the Best Performance in three year degree - 2020	Piyadasa J.D.K.V
IFS Academic Excellence Award for the Best Performance in four year degree - 2020	Bandara R.M.V.G
Sampath Bank Award for the Best Final Year Project - 2020	Kurukulasuriya A.D.N. Peiris S.C.P. Pooliadda T.M.H.S.M
David Pieris Group Gold Medal for the Best Performance in Industrial Placement – 2020	Rajanayake K.K.

Table 2.1.10. – B: Convocation Awards for Computer Science Degree Programme – 2021

Name of the Award	Name of the Awardee
Virtusa Academic Excellence Award for the Best Performance in three year degree – 2020	Aksshara R.
Professor Mohan Munasinghe Award for Computer Science - 2020	Jayasekara T.K.
ICTA Award for the Best Computer Science Final Year Project - 2020	Dehigama D.N.W.
David Pieris Group Gold Medal for the Best Performance in Industrial Placement – 2020	De Almeida P.D.S.R.

Table 2.1.10. – C: Convocation Awards for Software Engineering Degree Programme – 2021

Name of the Award	Name of the Awardee
IFS Award for the Best Performance in B.Sc. (Hons) in Software Engineering – 2020	Kariyawasam S.N.
Soma Goonetillake Memorial Award for the Best Final Year Project in B.Sc. (Hons) in Software Engineering – 2020	Daluwatta W.W De Silva L.R.S. Kariyawasam S.N.
Wimala Jayaratne Memorial Award for the Best Performance in Software Engineering in B.Sc. (Hons) in Software Engineering - 2020	Daluwatta W.W. Tharaka D.D.

Table 2.1.10. – D: Convocation Award for all streams – 2021

Name of the Award	Name of the Awardee
Prof. V.K. Samaranyake Memorial Medal for the Most Outstanding Graduate of the UCSC - 2020	Jayasekara T.K.



UCSC Award Winners - Undergraduate Convocation 2021

2.1.11 EMPLOYABILITY

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

Table 2.1.11. – A: Employability of UCSC undergraduates - 2021

Programme	Number Graduate	Number Responded	Employed	Self Employed	Waiting for Jobs / Not interested
Bachelor of Computer Science	159	144	94%	4%	1%
Bachelor of Information Systems	91	84	94%	2%	3%
Total	250	228	94%	4%	2%

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 2021 are presented in the next few sections.

2.2.1.1 MASTERS DEGREES

UCSC offered six master degree programmes in 2021. 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 programmes were held online due to the pandemic situation in the country and 280 eligible candidates were selected from among over 450 shortlisted candidates of the selection test.

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

Those who have a Computing Degree or equivalent qualification are selected for this degree programme since the curriculum was designed considering basic courses in Computing Degree programmes. The intake size for the programme for the year 2021 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 2021 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 2021 was 30.
- **Master of Cybersecurity**
 Master of Cybersecurity is a distance International Master Program in Cybersecurity launched in 2018 in collaboration with Asi@Connect TEIN Cooperation Centre, European Commission, which covers a broad spectrum of subjects in Network Security and Cybercrime Investigation. The programme administers online (distance learning) and the students are required to be present at the UCSC for hands-on practical sessions and for the semester examinations. Initial batch consists of 16 international participants from National Research and Education Networks (NREN) in Afghanistan, Bangladesh, Bhutan, Cambodia, Laos, Myanmar, Nepal, and other Southeast Asian countries. Due to the pandemic situation, students were not able to visit Sri Lanka for practical sessions and semester exams. Hence, hands-on sessions and 3rd/ 4th semester examinations were held online. A new batch of the programme was also not started in 2021.
- **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 2021 was 50.

Except for the Master of Science in Computer Science programme, all the masters' programmes consist of two years and four academic semesters. Master of Science in Computer Science consists of two and half years and five academic semesters. Lectures except the lectures for the Information Security programme are held only on weekends. According to the workload and the number of credits for the programme, they are equivalent to full time programmes 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 programmes in the year 2021 were delivered online due to the pandemic situation in the country. The live sessions of the classes were conducted via zoom and video recordings of each session were shared with students through youtube channels of lecturers via the postgraduate virtual learning environment pgvle.ucsc.cmb.ac.lk.

2.2.1.2 ENROLMENT

The master courses of Information Technology, Computer Science, Information Security and Business Analytics were commenced in September 2021 for the 2020/2021 intake, but the recruitment of students was started in 2020. The Inauguration of the intake was held as a virtual ceremony and the academic activities of the all semesters were conducted online due to the pandemic situation. The academic time table for the programmes were announced at the beginning of the course and blended learning culture was promoted through the virtual learning environment <http://pgvle.ucsc.cmb.ac.lk> for all courses in the programme. The live sessions of the classes were conducted via zoom and video recordings of each session were shared with students through youtube channels of lecturers via the LMS.

The student handbook for the Master Degree programme was published in 2021 and its online version is available at the UCSC website <http://www.ucsc.cmb.ac.lk/pg>.

Table 2.2.1.2. – A: Postgraduate Enrolment in 2021

Degree Programme	Intake 2020/2021	1st Year Students		2nd Year Students		Total
		New	Repeaters	New	Repeaters	
Master of Computer Science	100	101	5	53	36	195
Master of Science in Computer Science				14		14
Master of Information Technology	100	102	1	71	42	216
Master of Information Security	30	28	1	26	3	58
Master of Business Analytics	50	49		33	1	83
Master of Cybersecurity				14		14
Total	280	280	7	211	82	580

Student registration fees of the master’s degree programme are the main source of generated income of the UCSC. Therefore, it is very important to obtain active participation and contribution from the academic staff to conduct the programme on time and deliver a quality service. Several private organizations have started a similar master’s programme. There is a threat to UCSC postgraduate programmes 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 programmes 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 2021

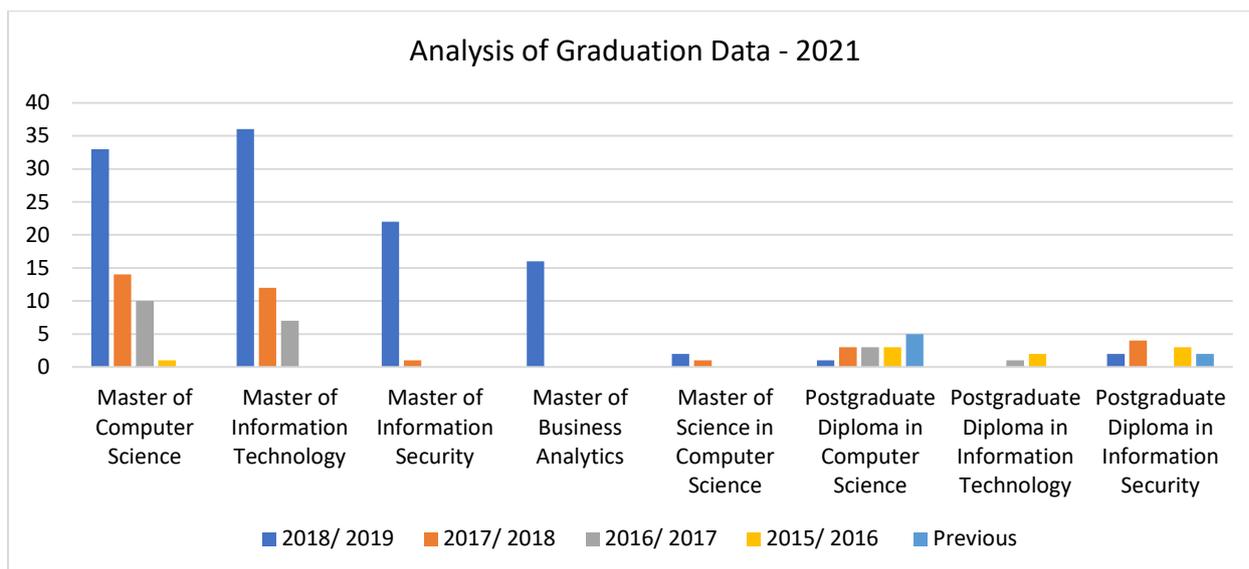
Degree Programme	Academic Lecturing			Supervision		Administration	Non-Academic
	UCSC	Visiting (Local)	Visiting (Foreign)	UCSC	Visiting		
MCS	33	6		30	1	2 (Exams/ Postgraduate)	5
MIT		10					
MIS		6	1				
MBAnalytics		8					
MC	4	1					
Total	37	31	1	30	1	2	5

2.2.1.4 GRADUATION OF MASTERS PROGRAMME

Postgraduate Convocation for the year 2021 was not conducted due to the pandemic situation in the country. The graduation ceremony for the year 2021 is likely to be held in 2022. Some repeat students were 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 2021

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



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

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

2.2.1.5 MASTERS PROGRAMME DEVELOPMENT

By considering the experience of the last few years and the requirement of aligning the master's degree programme with Sri Lanka Qualification Framework (SLQF), the syllabus of all master's degree programmes were revised in 2018. Initiatives have been taken to introduce a new master's programme as a degree of Master of Computing by Research in 2021. The by-laws and regulations of the programme have been approved by the Senate and the Council of the University of Colombo and the necessary steps have been taken to obtain the concurrence of the UGC for the degree programme.

2.2.1.6 RESEARCH DEGREES – MPHIL AND PHD PROGRAMMES

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

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

By considering the experience of the last few years, the bylaws and regulations of both the MPhil and PhD degree programmes were revised in 2019. The revised By-laws and Regulations of the MPhil/ PhD in Computing degree programmes 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 2021 was published in December 2020.

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 2021

Research Degree	Year 1 (Registration 2021)	Year 2 (Registration 2020)	Year 3 (Registration 2019)	On Extension (Registered before 2018)	Total	No of Graduated in 2021
PhD						
Full Time	1		2	2	5	
Part Time	1		1	1	3	1
PhD – Total	2		3	3	8	1
MPhil						
Full Time	3	1	2	2	8	
Part Time	1	1	3	9	14	2
MPhil – Total	4	2	5	11	22	2
Total Research Degrees	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, BIT programme alone has attracted more than 40,000 students and has produced 2674 graduates; 4009 higher diploma holders and 8779 diploma holders up to the end of 2020. In 2019 (20th Batch) had 2,093 new enrolments, and the process for new intake commenced in late 2020 and kept open until May 2021 to cater to the advanced level students of 2020. The following table shows the details of the student registration for the year 2021.

Table 2.3.1. – A: BIT Student Registration - 2021

Course	New Registration	Re-registration	Total
First Year Registration	2453	480	2933
Second Year Registration	553	575	1128
Third Year Registration	300	734	1034
Total	3306	1789	5095

2.3.1.1 STUDENT PERFORMANCE - 2021

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

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

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

2.3.1.2 BIT TEACHING INSTITUTES

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

In the year 2021, two meetings were held with the private teaching institutes. The first meeting was held on 8th March 2021 to brief the academic and examination plan for 2021. It was held as an online event due to the COVID-19 pandemic. The second meeting was held on 15th December 2021 to present the revised semester 5 and 6 new curriculum for the year 2022 and to obtain their feedback.

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

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

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

For the year 2021, **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 <http://www.bit.lk> website.

2.3.1.3 BIT EXTERNAL DEGREE GRADUATION AND DIPLOMA AWARDS

BIT External degree graduation for the 2019 has been scheduled to be held on 30th January 2022 at the Prof. V.K. Samaranyake Auditorium. The graduation ceremony for the year 2020 also is likely to be held in the year 2022.

Table 2.3.1.3. – A: Performance of External Degree Programme - 2021

Course	New registration	Repeaters	Total	No of Graduated
Diploma in Information Technology	2453	481	2934	575
Higher Diploma in IT	553	575	1128	313
Bachelor of Information Technology	300	734	1034	350
All	3306	1790	5096	1238

Table 2.3.1.3. – B: Analysis of Results – BIT Graduation data in 2021

Intake	First	Second Upper	Second Lower	Pass	Total
BIT	6	21	26	297	350

2.3.1.4 CONVOCAATION AWARDS

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

Name of Award/Medal	Name of Recipient
Prof. V.K. Samaranayake Memorial Medal for the best performance at the Bachelor of Information Technology (External) Degree - 2020	L.P.S.S. Kumara
Prof. G.N. Wikramanayake Memorial Medal for the best performance in Software Development Project - 2020	W.P.R. Sathsara
Mr. M.J.P.U. Samanthilake Memorial Medal for the best e-Learner – 2020	I. Ishak
Best e-Learner awards for the 1 st and 2 nd Semesters – 2020 3 rd Semester – 2020	R.M.M.N. Perara R.M.D. Roshinie

2.3.1.5 EMPLOYABILITY

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

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

2.3.2 EXTENSION COURSES

CSC was established to coordinate and manage extension courses, which are based on specialized areas. In 2021, UCSC offered seven certificate level courses and attracted 283 students and all programmes were conducted online due to the prevailed pandemic.. The below table shows the details of the courses which are normally conducted on weekends either on Saturday or Sunday. Certificates were offered based on the active participation in the courses and they could be verified at <http://www.ucsc.lk/verify>.

Table 2.3.2. A: CSC and ADMTC Training Programmes - 2021

Course	Division	Duration (weeks)	No. Batches	Participants
Java Application Development Using JavaSE	CSC	8	2	49
Software Quality Assurance Using Test Automation Frameworks	CSC	7	1	28
Dynamic Web Application Development With PHP & MySQL	CSC	10	1	20
Hybrid Mobile Application Development with Flutter	CSC	5	2	35
Graphic Design and Creativity Development	ADMTC	8	3	32
Advanced Multimedia Web Design and Development	ADMTC	8	3	56
Total			12	283

Certificate awarding ceremony URL

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

Table 2.3.2. B: Consultancy Projects - 2021

Reporting Authority	Name of the Project
Department of Registration of Persons	Electronic National Identity Card Project
North Western Provincial Council (NWPC)	<ol style="list-style-type: none"> 1. Consultation for Preparing Request For Proposal (RFP) for the Project Appraisal and Management Software 2. Project on Overall System Study of Transport Authority and the Transport Ministry for private Transportation Management, a Traceable System to detect the running time of the Buses on Routes and Issuing the Running charts and Annual Licenses to the Buses, Three Wheelers and Schools Vans.
Attorney General Department	Consultancy Services for the Information Technology, Networking and Data Storage for Establishment of the Proposed Multi Storied Office Building for the Attorney General Department
Development Lotteries Board	Consultancy to setup a virtualized redundancy system
Education Employees Co-operative Thrift and Credit Society Limited (EDCS)	Consultancy for Software Implementation, Monitoring and maintenance
Marine Environment Protection Authority (MEPA)	MEPA website development
Public Utilities Commission of Sri Lanka (PUCSL)	Consultancy services on formulation of procedure for detecting adulteration of petroleum fuels
Postgraduate Institute of Medicine (PGIM)	Consultancy service to automate the processes of the of the Postgraduate Institute of Medicine, University of Colombo

e-Learning Centre conducted several workshops and examinations to several organizations in 2021, and the details are as follows.

Programme	No. Batches	Participants
Staff Training on Moodle LMS for UCSC staff	3days	93
Capacity Development Programme an Moodle LMS Course Development and Moodle administration Programme for Sri lanka Navy(started in 2021)	1	5
Total	2	98

2.3.3 ONLINE EXTENSION PROGRAMMES

E-Learning Centre of UCSC was established to promote online learning for existing programmes as well as to start new online programmes 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 2021.

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

Programme	Registration	Applied for * e-Testing	Passed e-Testing
FIT	723	334	78

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 programmes at the UCSC. Although the foreign student category to enroll students (2%) had been there for a while, there was no significant demand from such students. In 2021, UCSC had 13 foreign students from Afghanistan, Nepal, India, and Bangladesh for the Master of Cybersecurity programme and 01 student from Bangladesh and 01 student from Nepal are following the Bachelor of Information Technology External Degree programme.

3. RESEARCH

3. RESEARCH

3.1 RESEARCH, INNOVATION, AND PUBLICATIONS

Research culture is the most important and distinguished area to showcase the achievements of UCSC. In 2021, several activities were carried out to enhance the research programmes at the UCSC. Some of these research activities are linked to research degree programmes, 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 2021, a policy document for UCSC research allocation for R & D was updated to allocate funds for staff research activities in 2021. At the same time, the UCSC called applications for UCSC research project allocation in 2021, granting Rs. 500,000.00 for each staff to continue their research projects with necessary physical/human resources.

3.1.1 UNDERGRADUATE LEVEL RESEARCH PROJECTS

All students of the honours 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 programmes (Information System and Software Engineering). These projects are evaluated independently considering three milestones, namely proposal defence, 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 programmes, and there are guidelines to manage the evaluation process.

Table 3.1.1 A: Undergraduate Level Research projects conducted in 2021

Degree Programme	Project Coordinator	Number of Students	No. of Projects	Number of Supervisors	Number of Examiners
BSc Honours in Computer Science	Dr. (Mrs.).H.N.D. Thilini Ms.C.L.I. Fonseka	40 (Regular Students) 1 (Repeat Student)	41	19	31
BSc Honours in Information Systems	Dr. C. I. Keppitiyagama	20	7	7	12

BSc Honours in Software Engineering	Dr. B.H.R. Pushpananda Ms. Amali Perera	10	3	3	Examiner - 5, Evaluators - 2
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3.1.2 MASTERS LEVEL PROJECTS

In all master's degree programmes, 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 programmes such as Master of Information Technology, Master of Information Security, and Master of Business Analytics, individual projects are implementation types. However, some projects have a research component. Details of master's projects in 2021 are given below.

Table 3.1.2. A: Evaluation of Masters Level Projects

Degree Programme	Academic Year	Registered Students (First Time + Repeaters)		Completed Successfully	Pass Rate %
		2018/2019	Repeaters		
MCS	2019/2020	78	5	58	70%
MSc in CS		11	6	3	18%
MIS		4	1	1	20%
MIT		80	5	57	67%
MBAnalytics		30		18	60%

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 2021, several applicants registered for research degree projects, and details were presented below.

Table 3.1.3. A: Projects of Research Degrees

Degree Programme	Number of Applicants	Registered
MPhil/ PhD in Computing	74	5
Total	74	5

3.1.4 FUNDED RESEARCH PROJECTS

3.1.4.1 INTERNAL RESEARCH AND DEVELOPMENT PROJECTS

In 2021, UGC did not allocate funds for research and development activities, and the capital grant was not enough to cover the infrastructure development activities of the UCSC. Hence, it was decided to

utilize the research allocation of postgraduate programmes to fund research projects carried out by the senior academic staff. All staff members were invited to submit proposals based on their planned research activities during 2021, and 6 proposals were selected for financial assistance. The following table shows the details of each project, and all staff faced several operational problems due to the pandemic situation in the country.

Table 3.1.4.1. – A: Allocation, Utilization and Outcome of Funded Research Projects 2021

Research Project/Activity	Principal Investigator/ Research Group	Allocation Rs	Utilization Rs
Detecting the onset and progression of depression from textual cues in online communication for providing timely intervention	Dr. A R Weerasinghe	500,000	400,000.00
Modelling and Prediction of Solid Waste Generation using Machine Learning Approaches in Sri Lanka	Dr. M G N A S Fernando	500,000	250,000.00
Crop Yield Management and prediction through precision agriculture	Dr. (Ms.) L N C De Silva	500,000	240,000.00
UAV for Humanitarian and Agricultural Applications	Prof. G D S P Wimalaratne	500,000	502,811.00
The Sinhala Dependency Treebank	Dr. B H R Pushpananda/ Dr. (Ms.) H N D Thilini	500,000	470,000.00
Developing a predictive index for disease identification using human microbiome	Ms. C R Wijesinghe	500,000	150,000.00

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 - 2021

Staff Level and Type of Conference	Published/ Presented	Total
Senior Academics – Conferences held in Sri Lanka	18	18
Senior Academics – Conferences held outside Sri Lanka	23	23
Junior Academics – Conferences held in Sri Lanka	5	5
Junior Academics – Conferences held outside Sri Lanka	8	8
Total	54	54

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 2021. The covid situation affected many projects to delay the planned activities during 2021.

Table 3.1.4.2. - A: Utilization and Outcome of Research Projects Funded by External Parties -2021

Project Name		Principal Investigator	Donor Agency or Sponsoring Organization	Type of Grant (Local or Foreign)
Enhance English language learning through m-learning in different learning communities - NSF (TG/2013/Tech-D/02)		Prof. K.P. Hewagamage	National Science Foundation	Local
Master of Cybersecurity		Dr. T.N.K. De Zoysa	Asi@Connect TEIN Cooperation Center, European Commission	Foreign
Swedish Research Link; Autonomous Visual Detection of Bio-hazards Locations with Aerial Drones		Dr. T.N.K. De Zoysa	Swedish Research Council	Foreign
AHEAD Projects - Innovation Commercialization Enhancement (ICE) project	Prof. N.D. Kodikara / Dr K D Sandaruwan Dr. T.N.K. De Zoysa (co - coordinators)		World Bank	Foreign
	Sub Project 1: Conversational Interfaces for Local Languages	Dr. A.R. Weerasinghe		
	Sub Project 2: Genomics Lab	Ms. M.W.A.C.R Wijesinghe / Dr. A.R. Weerasinghe		
	Sub Project 3: Cost Effective Modeling and Simulation Solutions	Prof. N.D. Kodikara		
	Sub Project 4: Blockchain and dApps	Dr. T.N.K. De Zoysa		
The Detection and Tracking of Elephants through Eloc Infrasonic Detectors		Dr. A P Sayakkara	Rufford Foundation, UK	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 programmes at UCSC. Government allocation for research and development is very unpredictable, and in some years, for example, in 2018, there was zero allocation for research and development. Hence, a part of the income of the master's degree and external degree programme was allocated during the last 16 years to establish the sustainability of research activities at UCSC. This allocation has been used to support research projects as well as research publications in journals and conferences using a quota system based on the seniority of the staff members. There are two types of allocation known as "Individual Quota" (IQ) and "Open Quota" (OQ). At the beginning of the year, all permanent academic staff was 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 2021.

Table 3.1.5. A: Utilization of Research Allocation during 2021

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

It is important to note that the UCSC Research allocation has been built using the generated income and donations of external parties during the last 16 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 2021.

Table 3.1.6. A: Research Groups in 2021

Group Name	Goal of Research Group	Members of Research Group	URL of Research Group
Social Life Networks (SLN)	Providing real-time information to support the activities related to livelihood delivered using	Dr. (Mrs) M.D.J.S. Goonatillake & Dr	http://ucsc.cmb.ac.lk/social-life-networks/

	mobile phone applications targeted to meet the needs of people in developing countries	(Mrs) L.N.C. De Silva	
Sustainable Computing Research Group (SCoRe)	To generate computing solutions through identifying low cost methodologies and strategies that lead to sustainability.	Dr. T.N.K. De Zoysa, Dr. C.I. Keppitiyagama, Dr. M.I.E. Wickramasinghe, Dr. P.V.K.G. Gunawardana, Mr. Chathura Suduwella, Mr. Charith Elvitigala & Mr. Asanka Sayakkara	http://ucsc.cmb.ac.lk/research-groups/sustainable-computing-research/
The modeling and simulation group	To work on a Ship Handling Simulator (ViduSayura) for the Sri Lankan Navy	Prof. N.D. Kodikara & Dr. K.D. Sandaruwan	http://ucsc.cmb.ac.lk/research-groups/modelling-simulation-group/
Language Technology Research Laboratory (LTRL)	To address the growing need of local language computing in Sri Lanka by doing Localization and Language Processing research and development	Dr. A.R. Weerasinghe, Mr. W.V. Welgama & Dr. B.H.R. Pushpananda	http://ucsc.cmb.ac.lk/research-groups/language-technology-research-laboratory/
Distributed Computing	The development of novel middleware architectures and parallel algorithms based on shared persistent space and the emergent behaviour of large scale distributed systems	Dr. D.N. Ranasinghe	http://ucsc.cmb.ac.lk/research-groups/distributed-computing-group/
The Bioinformatics and Computational Biology (BCB)	Involves conducting quantitative studies, such as pattern recognition and network analysis, to discover biological knowledge; and developing computational techniques, algorithms, tools and statistical models to analyze various biological data and make predictions.	Dr. A.R. Weerasinghe & Ms. C.R. Wijesinghe	http://ucsc.cmb.ac.lk/research-groups/bioinformatics-and-computational-biology-bcb-research-group/

Humanitarian Applications of Unmanned Aerial Vehicles(UAVs)	R&D in UAV infrastructure development(payload,communication, ground control stations etc) and Humanitarian Operations & Agricultural Applications of UAVs	Dr. G.D.S.P. Wimalaratne, Dr. H E M H B Ekanayake, Dr K A K T Karunanayake, Mr K V D J P Kumarasinghe,Dr H K T C Halloluwa, Dr M I E Wickramasinghe, Mr R M U A Rathnayake, Dr. M D J S Goonetillake, Dr L N C de Silva, Dr B H R Pushpananada	https://ucsc.cmb.ac.lk/unmanned-aerial-vehicles-research-lab/ -
UCSC Spatial Experience and Human Computer Interaction (USE-HCI) Lab	Aims to develop technology solutions to address community-driven problems by bringing together an interdisciplinary set of people to share ideas and collaborate on research related to the interaction between design, people, and technology.	Dr K A K T Karunanayake, Dr H K T C Halloluwa, Dr M I E Wickramasinghe	https://usehci.org/

3.1.7 RESEARCH PUBLICATIONS AND AWARDS

The following table shows the summary of research publications in 2021 and details of all the publications are given at the end of this section.

Table 3.1.7. – A: Publication Summary - 2021

Type of publication	Held/Published in Sri Lanka	Held/Published outside Sri Lanka	Total
Conferences	17	19	36
Journals	5	21	26
Total	22	40	62

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

3.1.7. - B: Detail Analysis of Publications - 2021

Name of Staff Member	Conferences	Journals	Total
Prof. K.P. Hewagamage	4	2	6
Prof. N.D. Kodikara	3		3
Prof. G.K.A. Dias	1		1
Dr. A.R. Weerasinghe	6	2	8
Dr. D. A.S. Athukorala	3	1	4
Prof. G.D.S.P. Wimalaratne	1	2	3
Dr. (Mrs) M.D.J.S. Goonatilake	1	3	4
Prof. K.L. Jayaratne	2	2	4
Dr. (Mrs) S.M.K.D. Arunathilake	1		1
Dr. T.N.K. De Zoysa		6	6
Dr. C.I. Keppitiyagama		2	2
Dr. D.N. Ranasinghe		4	4
Dr. H.A. Caldera		2	2
Dr. M.G.N.A.S. Fernando	2		2
Mrs. C.R. Wijesinghe	1		1
Dr. H.E.M.H.B. Ekanayake	1		1
Dr. M.I.E. Wickramasinghe	1	1	2
Dr. K.D. Sandaruwan	3		3
Dr. (Mrs) T.A. Weerasinghe	3		3
Dr. P.V.K.G. Gunawardana		1	1
Dr. (Ms) K.H.E.L.W. Hettiarachchi	2	1	3
Mr. W.V. Welgama	1		1
Dr. B.H.R. Pushpananda	1		1
Dr. H.N.D. Thilini	1		1
Mr. R.A.H.D. Perera	2		2
Dr. A. Sayakkara		3	3
Mr. P.K.M. Thilakaratne		1	1
Dr. K.T. Karunanayake	2		2
Ms. M Krishnathasan	1		1
Ms. H N Kegalle		1	1
Ms. M V P T Lakshika		1	1

3.1.7.1 AWARDS FOR RESEARCH DURING 2021

UCSC continued to encourage students and staff to submit their research and development work for external evaluation to obtain national and international recognition. In 2021 , 1 award was received for research work from different external organizations. Details are given below.

Table 3.1.7.1. – A: Awards for Research and Development Projects –2021

Name of the awards	Awarding Agency	Publication or Project	Team members
Best Poster Award for IEEE BSN 2021	University of Reading, UK	Classification of Postures with clothing-mounted wearable sensors	K P U Jayasinghe, Balazs Janko, William S. Harwin and Fautina Hwang

3.1.7.2 KEYNOTE/INVITED SPEECHES OF UCSC STAFF

3.1.7.2. - A: Detail of Keynote / Invited speeches of UCSC staff - 2021

Name of the staff	Event	Topic
Prof. K.P. Hewagamage	Library Research Symposium 2021, University of Colombo, 9th December 2021.	Digital Transformation of Future Library Services; A New Role of Academic Libraries in Higher Education System
Prof. K. P. Hewagamage,	University of Colombo – Webinar from the Library 100 Years Anniversary	“Digital Transformation in Higher Education towards Hybrid Learning” https://lib.cmb.ac.lk/digital-transformation-in-higher-education-towards-hybrid-learning/
Prof K P Hewagamage	Colombo SIGCHI Research Showcase’ organized by the Colombo ACM SIGCHI Chapter	Digital Transformation in Higher Education
Prof. K P Hewagamage, Director/UCSC	5th SLCB CHAIRPERSON’S FORUM ON MICE	Experience sharing, building and winning international conferences to Sri Lanka

3.1.7.2. - B: Detail of UCSC staff as Resource Persons at Workshops/Tutorial/Seminars – 2021

Name of the staff	Event	Topic
Prof K.P. Hewagamage	A workshop organized by the Blended Learning Committee, of the University of Colombo	Moodle-based Online Assessments
Dr T A Weerasinghe	A workshop organized by the Blended Learning Committee, of the University of Colombo	Moodle-based Online Assessments

3.1.7.3 VISITING RESEARCHERS AT UCSC

Table 3.1.7.3. – A: Visiting Researchers at UCSC – 2021

Visiting Researcher	Duration	Activity
Prof. Anton Nijholt, Human Media Interaction, University of Twente, Netherlands	2nd-3rd December 2021	Keynote Speech on “Making Smart Cities More Playable” at the ICTer 2021 (Virtual Conference)
Dr. Nhien-An Le-Khac, Lecturer/Assistant Professor, School of Computer Science, University College Dublin, Ireland.	2nd-3rd December 2021	Keynote Speech on “Artificial Intelligence for Internet of Things Security and Forensics” at the ICTer 2021 (Virtual Conference)
Dr. Daniela Hedwig, Research Associate, K. Lisa Yang Center for Conservation Bioacoustics, Cornell University, USA	2nd-3rd December 2021	Keynote Speech on “Elephants and algorithms - how computer science can revolutionize acoustic monitoring” at the ICTer 2021 (Virtual Conference)
Mr. Dharshin De Silva Security Partner/Architect ANZ Australia	29th October 2021	conducted a session for MIS 1st and 3rd semester students on "Introduction to Kubernetes Security for Security Professionals"
Mr. Edel Rojas CHAMP Cargosystems Philippines	October 2021	Conducted a session for MIS 3rd semester students on "Cyber threats in 2021"
Dr. D.P. Liyanage Head of Security Architecture at Thames water, United Kingdom	24th September 2021 to 29th January 2022	To deliver Lecture series for MIS students

Due to the Covid-19 Pandemic situation, all the above events took place as online events without the physical participation of both resource persons and participants.

3.1.8 INTERNATIONAL CONFERENCE - ICTER 2021

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 21st Annual Conference was successfully held for two days on the 02nd and 03rd of December 2021. This was the second attempt of the University Of Colombo School Of Computing to host this significant event as a fully virtual conference supported by Zoom platform. This year the conference was technically co-sponsored by IEEE. The inauguration of the event was followed by the Opening of the UCSC Research laboratory on the 01st December 2021. The chief guest of the event was the Vice Chancellor of the University of Colombo, Senior Professor Chandrika N. Wijeyaratne. At the Inauguration Prof. K. P Hewagamage, the Director of the University Of Colombo School Of Computing and the Conference Co-Chair Dr.

Thilina Halloluwa encompassed the honour of welcoming the Guests of the conference in the morning of 02nd of December 2021. The Conference Co-Chair Mr. Viraj Welgama declared the conference as concluded in the evening of the 03rd of December 2021.

The conference keynotes were delivered by Prof. Anton Nijholt from University of Twente, Netherlands on the title Making Smart Cities more Playable, Prof. Prasad Wimalaratne from University of Colombo School of Computing, on the title Role of Metaphors in Information Visualization, Dr. Nhien-An Le-Khac from the University College of Dublin, Ireland on the title Artificial Intelligence for Internet of Things Security and Forensics, Dr. Daniela Hedwig from Cornell University, USA the title Elephants and algorithms - how computer science can revolutionize acoustic monitoring, Dr. Roshan Peiris from Rochester Institute of Technology, USA on the title Altered Reality: Designing Immersive Experiences Using Multisensory Approaches and Dr. Chaturanga Manamendra from IFS R & D International, Colombo on the title Today's students are tomorrow's workforce, So what?.

At the Conference 49 articles, including 38 Full Research Papers and 11 Posters, were presented. The presentations were scheduled as two parallel sessions each day. These articles were themed on the conference tracks Machine Learning, Physical Computing, Distributed Computing, Human-Computer Interaction, Applications of IT, Industry R & D, Information Security, Natural Language Processing and Open Track.

A panel of five members serving as Senior Lecturers in Universities all over the country was appointed as the Best Paper Selection Committee and they identified 01 best papers from the articles presented at the conference. 09 other papers were designated as excellent mentions.

The details and the keynote speeches and the live streaming of the conference can be found at the ICTer 2021 website:

<https://www.ictcr.org/conference/>

Conference Co-Chairs

- Dr. Thilina Halloluwa, B.Sc. (SLIIT), Ph.D(Queensland),MIEEEE, MACM, University of Colombo School of Computing
- Mr. Viraj Welgama, B.Sc. (Col), M.Phil. (Col), University of Colombo School of Computing, Sri Lanka

Conference Co-Secretariats

- Ms. N.W.Hettiarachchi, and Mrs. S.S.Thrimahavithana,

Publication Committee

Publication Chair - Dr. Kasun Karunanayake,

Coordinator - Dr. H.N.D.Thilini,

Track Chairs

Machine Learning Dr. Ruvan Weerasinghe, and Ms. M V P Thilini Lakshika,

Physical Computing Dr. Hiran Ekanayake Mr. Jeewaka S Perera , and Mr. Isuru Nanayakkara

Distributed Computing Dr. Nalin Ranasinghe, Dr. T.M.H.A. Usoof, Mr. Supun Dissanayake

Human-Computer Interaction Dr. Shyam Reyala, and Mr. Rangana Jayasanka,

Application of IT Dr. Noel Fernando and Dr. Windhya Rankothge

Industry R&D Track Dr. Lasanthi De Silva, Mr. Eranga De Silva, Mr. Asanka Abeykoon, and Dr. Chaturanga Manamendra

Information Security Dr. Chamath Keppitiyagama, Dr. Asanka Sayakkara, Mr. Kenneth Thilakarathne

Natural Language Processing Dr. Randil Puchpanada, Dr. H.N.D.Thilini, Ms.D.A.S. Ruwanmini,

Open Track Prof. Kapila Dias, Dr. Kasun Gunawardena, Mr. Isuru Darmadasa,

Publication Committee Members

➤ Prof. G.D.S.P Wimalaratne, and Dr. H.N.D Thilini

Members

➤ Mr. Rangana Amaraweera, and Ms. Amali Perera, Ms. Dushani Perera, Ms. Chobodi Padmaperuma, Mr. Thushara Ekanayake, Ms. Lakshani Gayanthika, Mrs. Isuri Samaraweera, Ms. Maheshika Dayananda, Mrs. Nanthakumar Sharma Kamsa, Ms. Sithara Fernando,

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Coordinator Mr. Dasun Bamunuarachchi,

Members Ms. Nimali Wasana, Mr. Rangana Amaraweera,

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Members Mr. Ashintha Rukmal, Ms. Anjalee Srimalee, Mr. Oshan Chanitha, Ms. Geethika Senarathne,

Keynote Speakers' handling Committee

Chair Dr. Asanka Sayakkara ,

Coordinators Mrs. Hiruni Kegalle, and Mrs. Piyumi Senivirathne

Finance Committee

Co-Chairs Mr. E.M. Gunarathne, and Ms. Maduka Wijerathna,

Registration Committee

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Coordinator Mr. Upul Rathnayaka,

Members Mr. Tharindu Wijethilake, Mr. Shavindra Wickramathilake, Ms. Sithara Fernando, Mr. Thushara Ekanayake, Ms. Amali Perera,

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Members

Mrs. Isuri Samaraweera, Mrs. Kamsa Nanthakumar, Mr. Dushan Dinushka, Mr. Kavinda Athapaththu, Ms. Maheshika Dayananda,

Webmaster Mr. Tharindra Galahena,



Keynote 01 :

Role of Metaphors in Information Visualization



Prof. Prasad Wimalaratne
Head of the Department – Department of
Communication and Media Technologies,
University of Colombo School of Computing,
Sri Lanka



21st International Conference on Advances in ICT for Emerging Regions

ICTer Conference - 2021

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 2021, the Google Scholar h-index of ICTer Journal is 12. The following members were appointed as the staff of ICTer Journal.

Editor in Chief

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

Associate Editors

Prof. K.P. Hewagamage, University of Colombo School of Computing, Sri Lanka
Prof. G.K.A. Dias, University of Colombo School of Computing, Sri Lanka
Dr. D.D. Karunaratna, University of Colombo School of Computing, Sri Lanka
Dr. A.R. Weerasinghe, University of Colombo School of Computing, Sri Lanka
Dr. M. G. N. A. S. Fernando, University of Colombo School of Computing, Sri Lanka
Dr. K.H.E.L.W Hettiarachchi, University of Colombo School of Computing, Sri Lanka
Dr. M.I.E. Wickramasinghe, University of Colombo School of Computing, Sri Lanka
Dr. Kasun Karunanayaka, University of Colombo School of Computing, Sri Lanka

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Web Master

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

The statistics of ICTer Journal as follows:

1. Number of submissions (2021) = 19
2. Number accepted = 9
3. Number published = 9
4. Number of issues = 3 – available at <http://journal.icter.org/index.php/ICTer/issue/archive>

Major activities of ICTer Journal during 2021

1. Published – 2021 February Issue, Vol 14, No 01
2. Published – 2021 Special Issue, Vol 14, No 02
3. Published – 2021 July Issue, Vol 14, No 03

3.1.10 RESEARCH PUBLICATIONS – 2021

3.1.10.1 JOURNAL PUBLICATIONS – 2021

01	K.T.Y. Mahima , T.N.D.S. Ginige, Zoysa T.N.K (2021), “ <i>Evaluation of Sentiment Analysis Based on AutoML and Traditional Approaches</i> “, International Journal of Advanced Computer Science and Applications, Vol No.12, Issue No. 2, Pages:7, West Yorkshire, UK, February 2021, https://thesai.org/Publications/IJACSA
02	L. D. C. S. Subhashini, Y. Li, J. Zhang, Ajantha S. Atukorale, Yutong Wu, (March 2021), “ <i>Mining and Classifying Customer Reviews A Survey</i> ”, in Artificial Intelligence Review 0269-2821, March, https://link.springer.com/article/10.1007/s10462-021-09955-5
03	S.C. Premaratne, A. Gamanayake, K.L. Jayaratne and P. Sellappan (2021): <i>Improving Event Detection in Cricket Videos Using Audio Feature Analysis</i> . International Journal of Circuits, Systems and Signal Processing, 15(47):434-438. May, USA, DOI:10.46300/9106.2021.15.47
04	H. N Kegalle, H. S. U Liyanage, K.L Jayaratne and M. I. E Wickramasinghe (2021): <i>An Affordable, Virtual Reality Based Training Application for Cardiopulmonary Resuscitation</i> . International Journal on Advances in ICT for Emerging Regions (ICTer), 14(1)
05	Asanka Sayakkara and Nhien-An Le-Khac, “ <i>Forensic Insights from Smartphones through Electromagnetic Side-Channel Analysis</i> ,” in IEEE Access, vol. 9, pp. 13237-13247, 2021. doi: http://doi.org/10.1109/ACCESS.2021.3051921
06	Asanka Sayakkara and Nhien-An Le-Khac, “ <i>Electromagnetic Side- Channel Analysis for IoT Forensics: Challenges, Framework, and Datasets</i> ,” in IEEE Access, vol. 9, pp. 113585-113598, 2021. doi: https://doi.org/10.1109/ACCESS.2021.3104525
07	Quan Le, Luis Miralles-Pechuan, Asanka Sayakkara, Nhien-An Le-Khac, Mark Scanlon, 2021. “ <i>Identifying Internet of Things Software Activities using Deep Learning-based Electromagnetic Side-channel Analysis</i> ” in Forensic Science International: Digital Investigation, Vol 39, pp. 301308, 2021. doi: https://doi.org/10.1016/j.fsidi.2021.301308
08	Chathurika S Silva and Prasad Wimalaratne (2021), “ <i>Simulation-based Usability Evaluation of Visually Impaired Outdoor Navigation Using Sensor Fusion</i> ”, International Journal of Sensor Networks, ISSN online: 1748-1287,ISSN print: 1748-1279,16, (In Press) , https://www.inderscience.com/index.php
09	Chaman Wijesiriwardena and Prasad Wimalaratne (2021), “ <i>What is your code clone detection and evolution research made of?</i> ”, Computing & Informatics, Vol. 40, 2021, 690–728, Slovakia, http://www.cai.sk/ojs/index.php/cai/article/view/2021_3_690
10	K A Hasara Semini and H A Caldera (2021), “ <i>Determining Local Hematology Reference Ranges: A Data Driven Approach</i> ”, Journal of Advanced Computer Science and Applications (IJACSA), ISSN: 2156-5570 (Online) 2158-107X (Print), Vol No. 12, Issue No. 08, Pages. 09, United Kingdom, August 2021, https://thesai.org/Publications/IJACSA ,
11	M V P T Lakshika, H A Caldera, “ <i>Knowledge Graphs Representation for Event-Related E-News Articles</i> ”, MDPI Machine Learning and Knowledge Extraction (MAKE), ISSN: 2504-4990 , Vol No. 03, Issue No. 04, Basel, Switzerland, https://www.mdpi.com/journal/make , Sept
12	N A I Anuradha, P Sandanapitchai, A R Weerasinghe, “ <i>Investigating Machine Learning & Natural Language Processing techniques applied for predicting depression disorder from Online Support Forum: A Systematic Literature Review</i> ”, MDPI Journal of Information, ISSN: 2078-2489, Vol No. 12, Issue No. 11, Basel, Switzerland https://www.mdpi.com/journal/information , Oct 2021
13	Anuradha, I., Liyanage, C. and Weerasinghe, R. (2021). “ <i>Estimating the Effects of Text Genre, Image Resolution and Algorithmic Complexity needed for Sinhala Optical Character Recognition</i> ’. International Journal on Advances in ICT for Emerging Regions (ICTer), 14(3), Aug. pp.43–51. DOI: http://doi.org/10.4038/icter.v14i3.7231

14	G.R.I.L. Jayasooriya, Samantha Mathara Arachchi, "Literature Review of Diagnosis Rice Leaves Diseases Using Image Processing", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.8, Issue 1, Page No pp.320-333, India, March 2021, Available at: http://www.ijrar.org/papers/IJRARJFM1392.pdf
15	Seneviratne, P., Perera, D., Samarasekara, H., Keppitiyagama, C., De Zoysa, K., Thilakarathna, K. and Wijesekera, P., 2021. "Don't Forget to Include that Camera in the Threat Model: Vulnerability of ATM Systems due to Surveillance Cameras". International Journal on Advances in ICT for Emerging Regions (ICTer), 14(3), pp.24–35. Aug. DOI: http://doi.org/10.4038/icter.v14i3.7229
16	Dayarathna, Rasika and Ranasinghe, Menaka and Aluthge, Lakshima, "Lessons Learnt in Conducting an Online Deliberation in Local Languages", (November 11, 2020). Available at SSRN: https://ssrn.com/abstract=3961171 or http://dx.doi.org/10.2139/ssrn.3961171
17	Eranga Bandara, Sachin Shetty, Ravi Mukkamala, Xueping Liang, Peter Foytik, Nalin Ranasinghe, Kasun De Zoysa, "Casper: a blockchain-based system for efficient and secure customer credential verification", Journal of Banking and Financial Technology, DOI: https://link.springer.com/article/10.1007/s42786-021-00036-
18	Eranga Bandara, Xueping Liang, Peter Foytik, Sachin Shetty, Crissie Hall, Daniel Bowden, Nalin Ranasinghe, Kasun De Zoysa, "A blockchain empowered and privacy preserving digital contact tracing platform", Information Processing & Management, Volume 58, Issue 4, July 2021, 102572, DOI: https://www.sciencedirect.com/science/article/pii/S030645732100073X
19	Eranga Bandara, Xueping Liang, Peter Foytik, Sachin Shetty, Nalin Ranasinghe, Kasun De Zoysa, "Rahasak—Scalable blockchain architecture for enterprise applications", Journal of Systems Architecture, Volume 116, June 2021, 102061, DOI: https://www.sciencedirect.com/science/article/pii/S1383762121000503
20	Eranga Bandara, Deepak Tosh, Peter Foytik, Sachin Shetty, Nalin Ranasinghe, Kasun De Zoysa, "Tikiri—Towards a lightweight blockchain for IoT", Future Generation Computer Systems, Volume 119, June 2021, Pages 154-165 DOI: https://www.sciencedirect.com/science/article/pii/S0167739X21000583
21	Theja K Arachchi, Laurianne Sitbon, Jinglan Zhang, Ruwan Gamage, Priyantha Hewagamage, "Enhancing internet search abilities for people with intellectual disabilities in Sri Lanka", ACM Transactions on Accessible Computing (TACCESS), Volume 14, Issue 2, July 2021, Article No.: 10, pp 1–36, DOI: https://doi.org/10.1145/3460202
22	Rukmali Gunapala and Athula Ginige Janagan Sivagnanasundaram, Jeevani Goonetillake, Rifana Buhary, Thushara Dharmawardhana, Renuka Weerakkody, "Digitally-Enabled Crop Disorder Management Process Based on Farmer Empowerment for Improved Outcomes: A Case Study from Sri Lanka", Sustainability, Volume-13, Issue-14, Publisher-MDPI, DOI: https://doi.org/10.3390/su13147823
23	Jeevani Goonetillake, Achini Hettiarachchi, Anusha Indika Walisadeera, "A hybrid approach towards optimisation of data and knowledge management through cooperation of database and ontology", International Journal of Knowledge Management Studies, Volume-12, Issue-03, Publisher, Inderscience Enterprises Ltd, DOI: https://www.inderscienceonline.com/doi/abs/10.1504/IJKMS.2021.116406
24	Kshithija Liyanage, Tharindu Wijethilake, Kasun Gunawardana, Kenneth Thilakarathne, Primal Wijesekera, Chamath Keppitiyagama, "User-Controlled Subflow Selection in MPTCP: A Case Study", International Journal on Advances in ICT for Emerging Regions (ICTer), Volume-14, Issue-2, DOI: https://icter.sljol.info/articles/10.4038/icter.v14i2.7225/galley/5586/download/
25	Rangana Jayashanka, E Hettiarachchi, K P Hewagamage, "Technology Enhanced Learning Analytics Dashboard in Higher Education", Journal of Electronic Journal of e - Learning, ISSN / eISSN: 1479-4403, Publisher: ACAD CONFERENCES & PUBL INT LTD, CURTIS FARM, KIDMORE END, NR READING, ENGLAND, RG4 9AY, Vol No: 20, Issue No: 01,

	Web of Science Core Collection: Emerging Sources Citation Index https://academic-publishing.org/index.php/ejel
26	Madurapperuma, Dilan, Walisadeera, Anusha Indika, Goonetillake, Jeevani, (2021), " A Keyword Driven Hybrid Model for Web Application Testing" , in Rajarata University Journal , Volume 6 , Issue 1 , p56 – 63 ISSN: 2362-0080

3.1.10.2 CONFERENCE PUBLICATION – 2021

01	Rifat Ara Shams, Mojtaba Shahin, Gillian Oliver, Waqar Hussain, Harsha Perera, Arif Nurwidyantoro, Jon Whittle, "Measuring Bangladeshi Female Farmers' Values for Agriculture Mobile Applications Development", Accepted to 54th Hawaii International Conference on System Sciences, January 2021, Maui, Hawaii.
02	Januka Dharmapriya, Lahiru Dayarathne, Tikiri Diasena, Shiromi Arunathilake, Nihal Kodikara and Primal Wijesekara, <i>Music Emotion Visualization through Colour</i> ", International Conference on Electronics, Information, and Communication, ICEIC 2021, (http://www.iceic.org), Jan. 31st(Sun) - Feb. 3rd(Wed), 2021 / Jeju Shinhwa World, Republic of Korea.
03	T.M.H.S.M. Pooliyadda, A.D.N. Kurukulasuriya, S.C.P. Peiris, E Hettiarachchi, K P Hewagamage (2021), <i>Gamifying The Early Learning Capabilities of Students During Covid-19</i> , 15th Annual International Technology, Education and Development Conference (INTED2021), https://iated.org/inted/ , 08th - 09th March 2021, Valencia, Spain.
04	R S I Wilson, M D J S Goonetillake, Athula Ginige, W A Indika, (2021). "Analysis of Information Quality for a usable information system in agriculture domain a study in Sri Lankan Context", 12th International Conference on Ambient Systems, Network and Technologies (ANT-2021), http://cs-conferences.acadiau.ca/ant-21 , 23rd - 26th March 2021, Radisson Blu Sobieski Hotel, Poland.
05	K T Perera, A I U Gamage, M H Jawahir, D S R Sandaruwan, G K A Dias, "Augmented Reality Supported Self-Help Interventions For Psychological and Physiological Acute Stress", Future Technologies Conference - 2021, https://saiconference.com/FTC , 28th October to 29th October 2021, Vancouver, Canada.
06	Kasun Karunanayake, Anton Nijholt, Nimesha Ranasinghe, Manjusri Wickramasinghe, H K T C Halloluwa, Dhaval Vyas, "Multisensory Augmented Reality". 18th IFIP TC. 13 International Conference on Human-Computer Interaction – INTERACT 2021, https://www.interact2021.org , 30th August 2021, Bari, Italy. (Karunanayaka K., Nijholt A., Halloluwa T., Ranasinghe N., Wickramasinghe M., Vyas D. (2021) "Multisensory Augmented Reality". In: Ardito C. et al. (eds) Human-Computer-Interaction – INTERACT 2021. INTERACT 2021. Lecture Notes in Computer Science, vol 12936. Springer, Cham. https://doi.org/10.1007/978-3-030-85607-6_77)
07	Chamodi Jayamini, Asangika Sandamini, Thisara Pannala, Prabhash Kumarasinghe, Dushani Perera, Kasun Karunanayaka, "The use of Augmented Reality to Deliver Enhanced User Experiences in Fashion Industry", Workshop on Multisensory Augmented Reality, INTERACT 2021, https://usehci.org/mar2021/ , 30th August 2021, Bari,Italy.
08	Rangana Jayashanka, K.P. Hewagamage, Enosha Hettiarachchi, <i>Learning Analytics for Quality Assurance in Higher Education</i> , INQAAHE Conference 2021, https://events.qaa.ac.uk/qaevents/frontend/reg/thome.csp?pageID=117591&ef_sel_menu=2008&eventID=339 , 06th June - 10th June 2021, University of Glasgow,UK.
09	S. N. K. Rajakaruna, Rangana Jayashanka, H. A. S. G. Dharmarathne, "Machine Learning Approach to Detect Tea Plant Diseases in Sri Lanka", International Conference in Data Science (ICDS2021), 29th June - 30th June 2021, Colombo, Sri Lanka.
10	Waqar Hussain, Harsha Perera, Jon Whittle, Arif Nurwidyantoro, Rashina Hoda, Rifat Ara Shams, Gillian Oliver, "Human Values in Software Engineering: Contrasting Case Studies

	<i>of Practice</i> ”, Accepted as Journal First to ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE), August 2021, Athens, Greece.
11	Ishika Godage, Damitha Sandaruwan, A R Weerasinghe (2021), “ <i>Sign Language Recognition for Sentence Level Continuous Signings</i> ”, 10th International Conference on Natural Language Processing (NLP 2021), https://cst2021.org/nlp/index , 23rd - 24th December 2021, Werrington Park Corporate Centre, Australia.
12	Wijendra D., Hewagamage K., “ <i>Software Complexity Reduction through the Process Automation in Software Development Life Cycle</i> ”, Fourth IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT 2021) , September 2021, India http://icecct.com/#:~:text=After%20three%20successful%20editions%20at,Salem
13	T K Jayasekara, A R Weerasinghe, W V Welgama, “ <i>Aspect Oriented Suggestion Extraction from Online Reviews</i> ”, 20th IEEE International Conference on Machine Learning And Applications, https://www.icmla-conference.org/icmla21 , 13th - 16th December 2021, USA
14	Isuri Anuradha Nanomi Arachchige, Vihangi Himaya Jayasuriya and Ruvan Weerasinghe (2021). ‘ <i>A Dataset for Research on Modelling Depression Severity in Online Forum Data</i> ’. In Proceedings of Recent Advances in Natural Language Processing (RANLP) 2021. Held online, September 1st to 3rd 2021. Bulgaria
15	Uthpala Samarakoon, Thushani Weerasinghe, “ <i>Usability Heuristics for Early Primary Children: A Case Study in Sri Lanka</i> ”, International Conference on Computational Science and Computational Intelligence, http://www.american-cse.org/csci2021 , 15th - 17th December 2021, USA
16	C.D.Padmaperuma and A.R.Weerasinghe (2021). “ <i>A Decision Making Aid for Organizations during Epidemic Situations</i> ”. Proceedings of the International Conference on Advances in ICT for Emerging Regions, 2nd – 3rd December 2021, Online from Colombo, Sri Lanka.
17	Dinithi Wickramaratne, Rupika Wijesinghe and Ruvan Weerasinghe (2021). “ <i>Human Gut Microbiome Data Analysis for Disease Likelihood Prediction Using Autoencoders</i> ”. Proceedings of the International Conference on Advances in ICT for Emerging Regions, 2nd – 3rd December 2021, Online from Colombo, Sri Lanka.
18	Chathurika S Silva, Prasad Wimalaratne, “ <i>Vision based Indoor Localization using Color Code, Identification</i> ”, IEEE International Conference on Electrical, Computer and Energy Technologies (ICECET), 9th-10th December 2021, Cape Town, South Africa
19	Danushka, S.A.N. & Weerasinghe, T.A. (2021). “ <i>Theoretical and Instructional Strategy Framework of Blended Learning</i> ”. 5th International Conference on TVET in the Caribbean, http://www.caribbeantvet.com/ , May 12th – 14th, 2021, Jamaica
20	Danushka, S.A.N. & Weerasinghe, T.A. (2021). “ <i>Measuring Self-Regulation and Self-Direction in Flipped Classroom Learning</i> ”, (Accepted). 18th International Conference on Business Management, https://icbm.sjp.ac.lk/ , 9th-10th December 2021, University of Sri Jayawardenapura, Nugegoda, Sri Lanka.
21	Upul Anuradha Rathnayake, Thilina Halloluwa, Pradeepa Bandara, Medhani Narasinghe, and Dhaval Vyas. 2021. “ <i>Exploring Entrepreneurial Activities in Marginalized Widows: A Case from Rural Sri Lanka</i> ”. Proceedings of the ACM on Human-Computer Interaction, Volume 5, Issue CSCW1, Article 142 (April 2021), 24 pages. DOI: https://doi.org/10.1145/344921
22	Jeyatharan, K., Ekanayake, H.E.M.H.B., & Sandaruwan, K.D. (2021). “ <i>Behavior Based Tracking for Human Following Robots</i> ”, Proceedings of the IEEE 16th International Conference on Industrial and Information Systems (ICIIS), 9-11 December, Peradeniya, Sri Lanka.

23	M. Krishnathan (2021). “Movie Recommendation System Using Concurrent Hybrid Variational Autoencoders”, 21 st International Conference on Advances in ICT for Emerging Regions (ICTer), 1-4 December, University of Colombo School of Computing , Sri Lanka
24	Buddhi Gamage, Randil Pushpananda, Thilini Nadungodage, Ruwan Weerasinghe, “ <i>Improve Sinhala Speech Recognition Through e2e LF-MMI Model</i> ”, ICON 2021: 18th International Conference on Natural Language Processing, Place: National Institute of Technology, City: Silchar, Country: India, http://icon2021.nits.ac.in/index.html
25	Akarshani Amarasinghe, Lakshman Jayaratne and Viraj B Wijesuriya (2021): “ <i>Drone Technology for Rice Agriculture at the Fertilizer Spraying Process</i> ”, Proceedings of 10 th IEEE International Conference on Information & Automation for Sustainability (ICATC 2021), Sri Lanka.
26	Akarshani Amarasinghe, Viraj B Wijesuriya and Lakshman Jayaratne (2021): “ <i>A Path Planning Drone Solution to Safe Pesticide Usage in Arable Lands</i> ”, Proceedings of IEEE International Conference on Advanced Research in Computing (ICARC 2022), Sri Lanka.
27	Dilky N. Felsing, Thilina Halloluwa, Ishani Fonseka, Kasun Karunanayake, (2021), “ <i>Towards a Framework for Online Exam Proctoring in Resource-Constrained Settings Focusing on Preserving Academic Integrity</i> ”, The 21st International Conference on Advances in ICT for Emerging Regions (ICTer2021), Sri Lanka https://www.icter.org/conference/
28	K P Hewagamage, (2021), “ <i>Digital Transformation of Future Library Services; A New Role of Academic Libraries in Higher Education System</i> ”, Library Research Symposium 2021, University of Colombo, 9th December 2021.
29	Meepaganithage, A. B., Fernando, MGNAS, “ <i>Investigating the Chest Imaging Features of Covid-19 Patients using Deep Neural Networks</i> ”, International Conference in Data Science 2021 (ICDS2021), ISBN 978-624-5873-02-9, https://science.cmb.ac.lk/icds2021/wp-content/uploads/2021/07/ICDS2021_Proceedings-Web.pdf , 29th - 30th June 2021.
30	Rajenthiram, K., Fernando, MGNAS, “ <i>Shopping Assistant: A Fashion Suggesting Intelligent System using Natural Language Processing (NLP): An Aspect Based Opinion Mining Approach</i> ”, Research Abstracts — Colombo SIGCHI Research Showcase, 26th, June 2021.
31	Udeni Jayasinghe, A.S. Atukorale, ” <i>Application of Edutainment Concepts and Tracking Emotions Based on Transient Emotion Peak in Online Education Systems</i> ”, Proceedings of the Annual Research Symposium 2021 University of Colombo, ISSN 2815-0481, November 2021.
32	M.P. Gunasekera, A.S. Atukorale, ” <i>Role of Facebook as a tool for Information Dissemination during the COVID-19 outbreak in Sri Lanka</i> ”, Proceedings of the Annual Research Symposium 2021 University of Colombo, ISSN 2815-0481, November 2021
33	J.A.V.M.K. Jayakody, Ajantha S. Atukorale, ” <i>Evaluating the Usability of Sri Lankan University Websites</i> ”, in 5th International Research Conference of Uva Wellassa University (IRCUWU), p118, Badulla, Sri Lanka , 978-624-5856-04-6, July 2021.
34	L.D.P.S. Senaratne, T. Nadungodage, C.H. Magalla, ” <i>Improving Bank-Customer Efficiency through Automatic Speech Recognition</i> ”, Proceedings of the International Conference in Data Science 2021 (ICDS2021), ISBN 978-624-5873-02-9, June 2021.
35	Y. Vimukthi, N. Kodikara, L. Nanayakkara, ” <i>A Deep Learning Based Approach for the Classification of Diabetic Retinopathy in Human Retina</i> ”, 10th IEEE International Conference on Information & Automation for Sustainability (ICIAfS 2021), ISBN 978-1-6654-4428-6, 11th to 13th August 2021. Sri Lanka
36	Yohani S. Ranasinghe, Anuja Dharmarathne, Wee Mee Chin, “ <i>The State of the Art in Affect State Identification</i> ”, Graduate Research Symposium, Monash University, Malaysia. September, 2021

4. HUMAN RESOURCES – ACADEMIC AND NON-ACADEMIC

4. HUMAN RESOURCES – ACADEMIC AND NON-ACADEMIC

Human resources of an organization are the key foundation as well as the most important asset for its development. The University Grants Commission (UGC) and the Department of Management Services (DMS) carried out the zero cadre review in 2015 to identify the actual human resource requirement considering the workload of both academic and non-academic staff in the institute. Hence, the present cadre approval is based on the revised Cadre Manual in 2017. After 2017, although requested, the UCSC did not receive new Cadre approvals except 8 number of Academic Cadre positions received in year 2021.

4.1 UCSC CADRE

In 2015, when the actual cadre review was carried out, the intake size of the UCSC for both degree programmes was 260 students. In 2020, the intake size for the both degree programmes were 300 students. UGC meantime increased the intake of UCSC to 357 students in 2021 and allocated additional 8 academic Cadres.

The biggest issue is to recruit suitable qualified academic staff members for the available cadre positions and there is a significant number of vacant academic cadre positions still in the UCSC. This is mainly due to the demand in the computing industry and high salaries in the private sector. More than the qualification, the capability of staff members are very critical for the successful management of the academic programmes. In 2020, UCSC advertised both senior and junior staff members and recruited more than 17 staff members based on their qualifications and their experience. At the same time, several probationary level staff members resigned during the year for their higher studies since they were not interested in entering in to the Bond/ agreement for their study leave periods. Although new staff members recruited, the issue of non available of qualified staff still exists.

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	5	
(2) Establishment Division	8	5	2
(3) General Administration Division	11	5	3
(4) Academic & Publication (Undergraduate) Division	15	7	1
(5) ISE Department (Academic)	58	24	29
(6) CIS Department (Academic)	43	17	
(7) CMT Department (Academic)	53	16	
(8) Finance Division	14	12	2
(9) Examination Division	11	9	3
(10) Advanced Digital Media and Technology Centre (ADMTC)	7	2	
(11) Centre for Digital Forensic (CDF)	4	3	1
(12) Library	6	3	
(13) Postgraduate Division	3	3	1
(14) Engineering & Maintenance	11	7	1
(15) Network Operating Centre (NOC)	15	6	3

(16) External Degree Centre (EDC)	12	9	3
(17) Professional Development Centre (PDC)	2	1	1
(18) Computer Service Centre (CSC)	2	1	1
(19) Quality Assurance Cell (QAC)		1	
Total	280	136	51

Table 4.1. B: The distribution of cadre positions against the salary scale – 31st December 2021

Service Category	Salary Code	Approved Cadre	Actual Cadre	Vacancies
1. Primary Level				
Primary Grade - Unskilled	U- PL 1	16	15	1
Primary Grade - Semi Skilled	U- PL 2	3	2	1
Primary Grade - Skilled	U- PL 3	5	5	0
2. Secondary Level				
Management Assistant - non - Technical	U- MN 1	53	37	8
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	29	24
Academic Support - Segment 2	U-AS 1	14	14	0
Junior Executive / Managers	U-EX 1	7	6	1
Academic Support - Segment 1	U-AS 2	5	4	1
4. Senior Level				
Middle Level Executives	U-EX 2	10	5	3
Middle Level Executives	U- EX 2(a)		2	
Lecturer	U AC 3	99	58	41
Associate Professors	U- AC 4			
Professors/ Senior Professors	U- AC 5			

In 2021, some vacancies were filled in the Academic cadre appointing Temporary Instructors, Temporary Assistant Lectures and on contract basis and Senior Lecturers and Probationary Lectures on permanent basis. According to the table 4.1.A, there were 183 staff members working in the organization and there are 82 vacancies existing according to the cadre manual.

Staff	Permanent			Temp./Cont. /Assign.		
	Male	Female	Total	Male	Female	Total
Senior Professor						
Professor	5		5			
Senior Lecturer	19	8	27			
Lecturer	1	1	02			
Prob. Lecturer	12	11	23			
Assistant Librarian		1	1			
Temporary Lecturer/ Asst. Lecturer				3	8	11
Temporary Instructor				4	14	18
Total	32	14	46	13	29	42

4.2 OVERALL PROFILE OF THE UCSC STAFF

Highest Computing Qualification of the Academic Staff

No. of Staff	PhD	MPhil	MSc	BSc (Hons)
58	29	6	4	19

Highest Academic Qualifications of the Administrative and Finance Staff

No. of Staff	PhD	MPhil	MSc/MBA	Bachelor	Diploma
12		1	3	7	1

In 2021, two Academic staff members obtained study leave to read a doctoral degree in a foreign university. One Academic staff member obtained sabbatical leave.

4.3 RECOGNITION OF UCSC STAFF

In 2021, following staff members were nominated as awardees of 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 31.12.2020
Professor G.D.S.P. Wimalaratne	Professor	09.05.1996	08.05.2021	25 years
Dr. (Ms.) M.D.J.S. Goonatillake	Senior Lecturer Gr I	15.05.1996	14.05.2021	25 years
Dr. (Ms.) S.M.K.D. Arunatileka	Senior Lecturer Gr II	15.05.1996	14.05.2021	25 years

Dr. H.A. Caldera	Senior Lecturer Gr I	02.12.1991	01.12.2021	30 years
Dr. D.N. Ranasinghe	Senior Lecturer Gr I	08.09.1986	07.09.2021	35 years
Ms. K P C Rathnalatha	Staff Management Asst.	01.02.1996	01.02.2021	25 years
Mrs. S F Imam	Assistant Registrar	05.02.1991	04.02.2021	30 Years

4.4 STAFF DEVELOPMENT AND TRAINING

Staff development and training are regarded as an important policy of the human resource development of the organization. Depending on the grade of staff and job requirements, relevant staff was supported using both funds of generating income as well as from government grants. However, due to the current Pandemic situation in the Country latter part of the year staff was not promoted to attend training programmes physically, but encouraged them to attend online. In 2019, the Board of Management approved a new policy on staff development and training to formalize the process.

1. Permanent Academic was supported by the Research and Development allocation to attend the International Conferences, Workshops and Seminars subject to a limit determined based on the seniority of the staff member. Details of all such participants are given in the research section of this report.
2. Depending on the job requirements, the staff was given special training in local organizations during 2021. 12 Staff members were given such opportunity during 2021 and Rs.588,000/- was spent on such training requirements.
3. Oline training programmes were conducted as a group online training during 2021.
4. Academic staff who were not permanent were supported to attend ICTer2021 and NICT2021 conferences, which were held online, in order to improve their research and development awareness.
5. The outbound training programme was cancelled due to pandemic situation in the country.

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

Sn	Programme	Category of staff participated	No. of participants	Spent Amount (Rs.)
01	Workshop on Finance for Non-Finance Managers - conducted by PWC Academy (Pvt)Ltd on 8 th , 9 th and 11 th June 2021	Executive staff	2	20,000.00
02	Workshop on MEP Quantity Surveying"conducted by the Institute Of Quantity Surveyours Sri Lanka.	Technical staff	1	20,000.00
03	Certificate Course in Cyber Security Fundamentals" conducted by the Chartered Accountants Of Sri Lanka	Executive - Finance	1	9,000.00
04	"Advanced Certificate in English Language Programme" NIBM.	Clerical	1	41,000.00

05	"Master Of Business Administration In Finance, University Of Colombo".	Executive - Finance	1	450,000.00
06	Seminar fee - Seminar on "Excel Course in Financial Modeling and Forecasting "at The Institute Of Chartered Accountant of Sri Lanka.(10 days seminar from 6th April 2021	Executive - Finance	2	15,000.00
07	Workshop on "Design ,Installation, Operation and Maintenance of Building Electrical for Electricians/Technicians/Technical Officers & those who are interested in the field conducted by the Construction Equipment training Centre	Technical	1	16,000.00
08	Conference fees for the 42 nd National Conference of Chartered Accountants of Sri Lanka	Executive - Finance	2	17,000.00
Total				588,000.00

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, specially during working hours. UCSC has also partially supported employees who are interested to obtain Agrahara insurance scheme to face tragic situations in their life, especially in unexpected critical illness.

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 involved in fostering goodwill, solidarity and unity among all members of the UCSC.

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

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

1. Celebration of the dawn of the year 2021 on 1st January 2021.
2. Organized "gift vouchers distribution" on 17th December 2021.
3. Organized welfare ceremonies to commemorate the retired and transferred staff members.
4. The staff members' whose close family members passed away were given financial assistance.

5. INSTITUTIONAL DEVELOPMENT

5. INSTITUTIONAL DEVELOPMENT

5.1 QUALITY ASSURANCE AND ACCREDITATION

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

QAC Committee Members 2021

- i. Director - Prof. K.P. Hewagamage, Director/UCSC
- ii. Chairperson/Head of the Institute QA Cell - Senior Professor N.D. Kodikara, / Mrs C R Wijesinghe/ Coordinator/QAC
- iii. Senior Assistant Registrar/QAC - Ms. J.A.M.S. Wijerathna, Senior Assistant Registrar/ PRP
- iv. Chairperson of the Curriculum & Academic Development Committee - Dr (Mrs) M.D.J.S. Goonetilleke Head/Department of Information and Systems Engineering (ISE), Senior Lecturer Gr I

v. Heads of Departments

- Dr. D.A.S. Athukorala - Department of Computation and Intelligent Systems (CIS)
- Prof. G.D.S.P. Wimalaratne - Department of Communication and Media Technologies (CMT)
- Dr. (Mrs) M.D.J.S. Goonetillake - Department of Information Systems Engineering (ISE)

vi. Coordinators of the Undergraduate/Postgraduate/External degree programmes

- Dr. M.G.N.A.S. Fernando, Senior Lecturer Gr. I, Coordinator/Computer Science (CS) Degree Programme
- Dr. H.E.M.H.B Ekanayake, Senior Lecturer Gr. II, Coordinator/Information Systems (IS) Degree Programme
- Mr. W.V. Welgama, Senior Lecture Gr. II, Coordinator/Software Engineering (SE) Degree Programme.
- Ms. M.W.A.C.R. Wijesinghe, Senior Lecturer Gr. II, Coordinator/CS – Faculty of Science
- Dr. T.N.K. De Zoysa, Senior Lecturer Gr. I, Coordinator/Master of Cybersecurity (MC) Degree Programme
- Mr. W.V. Welgama, Senior Lecturer Gr. I, Coordinator/Master of Information Technology (MIT) Degree Programme
- Mr. K.P.M.K. Silva, Senior Lecturer Gr. II, Coordinator/Master of Computer Science (MCS) Degree Programme and Master of Science in Computer Science 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 (MBAAnalytics) Programme
- Dr. (Ms) K.H.E.L.W. Hettiarachchi, Senior Lecturer Gr. II, Academic Coordinator/BIT External Degree Programme

vii. Coordinators of the Centres (E-Learning and Professional Development,)

- Dr. (Mrs) T.A. Weerasinghe, Senior Lecturer Gr. II, Coordinator/ e-Learning Centre

- (eLC)
 - Dr. (Mrs) L.N.C. De Silva, Lecturer, Coordinator/ Professional Development Centre (PDC)
- viii. Dr. (Mrs) S.M.K.D. Arunathilleka, Representative of UCSC for Institutional Review 2021
- ix. DRs/SARs of the school, representing degree programmes, and examination
- x. Mr R.M.U.A Rathnayake, Representative/ UCSC Alumni
- xi. System Developers - Mr. R.J. Amaraweera, Lecturer (Prob) /Mr. S.B. Wickramathilaka, Temp. Assistant Lecturer
- xii. Management Assistant - Ms N.S. Gajasinghe

The QAC activities carried-out in 2021:

1. Collected evidence required for programme review 2020 and stored in QAC office.
2. Appointed Ms M W C A R Wijesinghe, Senior Lecturer of UCSC as the new coordinator of QAC from 1st June 2021.
3. Started collecting evidence for Institutional review 2021
4. Followed up the the activities of curriculum revision of the Bachelor of Information Technology degree programme (External)
5. Followed up the the activities of curriculum revision of the Undergraduate Programme
6. Followed up the preparation of the Tracer Study of UCSC
7. Followed up the preparation of the Examination Manual of UCSC
8. Followed up the Employability Survey 2021
9. Followed up the preparation of the Honor code of UCSC
10. Followed up the activities related to the proposed framework on course design and development for adopting blended learning
11. Collected the feedback from academic staff for the proposed programme manual of the postgraduate programmes and share with the UGC
12. Prepared to collect details on alignment of the UN's sustainable development goals to research student activities and administration of UCSC.
13. Checked and recommended the prepared health guideline of the semester 2 examinations of the undergraduate programmes held in February 2021
14. Sent the summary reports of the collected feedback forms of the semester 1 of the undergraduate programmes
15. Followed up the preparation of a feedback form for master online examinations held in August/ October 2021
16. Followed up the activities related to the Grievance Committee of UCSC and arranged to update the TOR of the committee by allowing students/ staff to submit their grievances to the committee through the QAC
17. Followed up the preparation of the assignment submission Calendar in the undergraduate VLE
18. Followed up the preparation of drafting an NDA for preventing the unauthorized disclosure of confidential information relating to exam work of UCSC.
19. Selected students for the Director list & Faculty Awards of the 2018/2019 batch
20. Commenced the selection of students for the Director list & Faculty Awards of the 2016/2017 & 2017/2018 batches.
21. Followed up the use of Plagiarism detection tool 'Turnitin'
22. Participated in the design of the strategic plan of CQA, UoC
23. Submitted the finalized forms of Master of Cybersecurity programme, Postgraduate Diploma/ Certificate in Cybersecurity programmes for UGC concurrence through the Director/ CQA

24. Submitted the finalized forms of Master of Business Analytics programme, Postgraduate Diploma/ Certificate in Business Analytics programmes for UGC concurrence through the Director/ CQA
25. Collected Feedback forms of Master of Cyber Security Programmes - 3rd and 4th Semesters (2021) using Google forms.
26. Collected Feedback forms of MCS/MIT/MIS/MBA Programmes - 2nd, and 4th semesters (2021) using Google forms.
27. Collected Feedback forms of Undergraduate Degree Programmes / CS and IS - 01st and 2nd Semesters (2021) using Google forms.
28. Collected Feedback forms on Individual projects and Overall programme of MCS/MIT/MIS/MBA Programmes of 2018/2019 batch using Google forms.
29. Prepared Student Feedback Summary Reports of the 1st/3rd (2020) & 2nd/4th (2021) semesters of the MCS/MIT/MIS/MBA programmes and the 3rd semester of the Master of Cyber security programme

5.2 INFRASTRUCTURE DEVELOPMENT

5.2.1 CAPITAL PROJECTS – 2021

The commenced and completed projects of UCSC in 2021 are given in the table below.

Name of the project	Project cost [Rs.]	Date of commencement	Scheduled Date of Completion	Date of completion	Remarks
Refurbishment of the Research Floor Area (West Wing/ 4th Floor) at UCSC. PROCUMENT No: UCSC/PROC/W/2019/002	6,069,649.75	23/10/2019	01/04/2020	02/03/2020	Partially completed
Manufacturing, Supply, Delivery and Installation of Furniture and Other Accessories for Research Floor area at University of Colombo School of Computing (UCSC/NCB/G/PRP/2020/001)	3,477,683.04	08.12.2020 16 Weeks	30.03.2021	30.11.2021	Completed
Proposed Renovation and Rehabilitation of Rooftop area [fifth floor] in North wing, East wing and West wing at University of Colombo School of Computing (UCSC/ W/NCB/ENG/2021/01)	12,951,210.81	05.07.2021	05.01.2022		Ongoing
Proposed Rehabilitation and Expansion [Special Type Moveable Partitioning and Ceiling Works] of Computer Laboratory [Ground Floor] at University of Colombo School of Computing - Stage II (UCSC/W/NCB ENG/2021/02)	2,998,949.65	05.07.2021 120 Days	05.11.2021		Ongoing
Proposed Gallery and Lobby Interior Work for University of Colombo School of Computing: Museum Phase II (UCSC/W/NCB/ENG/2021/07)	3,624,414.00	23/07/2021 45 Days	06.09.2021	30.11.2021	Completed

Manufacture, Supply, Delivery & Fixing of Furniture for Computer Laboratory [Ground Floor] at University of Colombo School of Computing - Stage III (UCSC/G/NCB/ENG/2021/006)	5,335,600.00	20/07/2021 12 Weeks	18.10.2021	30.11.2021	Completed
Proposed Aluminum Non Movable Storage Cupboard for Establishment Division (SE-302 Room) (UCSC/W/NSP-2/ADM/2021/16)	435,000.00	26/04/2021 30 Days	22.05.2021	12.07.2021	Completed
Proposed Main Key Holding Compartment at UCSC (UCSC/W/NSP-1/ENG/2021/18)	225,000.00	30 Days			Ongoing
Proposed Internal Colour Wash for Fire Evacuation Path (Staircase) In Services Block at University of Colombo School of Computing (UCSC/W/NSP-2/ENG/2021/17)	274,377.00	20.02.2021 30 Days	19.03.2021	27.02.2021	Completed
Supply Delivery & installation of Tempered Glass covered two display units for the computer museum at University of Colombo School of Computing (UCSC/G/NSP-1/ENG/2021/0041)	249,300.00	2021.10.23 21 Days	2021.10.24	2021.11.10	Completed
Proposed Renovation and Refurbishment of 1st Floor in East Wing at UCSC (UCSC/W/NCB/ENG/2021/011)	59,260,576.05	06.01.2022 150 Days	05.06.2022		Ongoing
Waterproofing of External Walls of the Main Auditorium at University of Colombo School of Computing (UCSC /W/NCB/ENG/2021/08)	2,869,380.08	10.01.2022 45 Days	09.12.2021		Ongoing



Opening of UCSC Computer Museum



Opening of Research Floor

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 programmes, it is expected to provide a service to the other government and non-government institutes as well as to make the public aware of our capacities in addition to being the higher education institute for computing studies in Sri Lanka. The following staff members of UCSC was contributed during 2021 to achieve the above objective.

5.3.1 OUTSTANDING AWARDS FOR STAFF MEMBERS

Organizer	Award Name	Awardee
University of Reading, United Kingdom	Best Poster Award for IEEE BSN 2021	Ms K P U Jayasinghe

5.3.2 CONTRIBUTIONS FROM UCSC STAFF MEMBERS

Name	Organization
Athukorala D.A.S. (Dr.)	<ul style="list-style-type: none"> • Visiting Lecturer - 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 • Procurement of a Service Provider to Provide Co-location Services of the ACT Agency of Sri Lanka • Procurement of Supply, installation, configurations and commissioning of Bare-Metal servers and Application Stack for 2nd Zone of Lanka Government Cloud 2 of the ACT Agency of Sri Lanka • Design, Supply, Installation, Commissioning & Maintenance of Online application System for One Stop Unit For development approval process within UDA • Procurement of Design, Development, Implementation and Support of Digital Forms for Government Organizations by the ACT Agency of Sri Lanka • 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 ACT Agency of Sri Lanka • Member of the Standing Committee on Accreditation and Quality Assurance (SCAQA) of the Ministry of Education • Member of the Technical Advisory Committee appointed by SCAQA for Bachelor of Science Degree Proposals of NSBM • Member of Selection Committee - Post of Systems Engineer Grade II-Network Operations Centre - University of Colombo • Member of Selection Committee - Post of Instructor in Computer Technology Grade II - Computer Unit - Faculty of Arts & Dean's Office - Faculty of Education • Member of the Judge panel of Intellihack 2.0 organized by the IEEE Computer Society Student Branch Chapter of UCSC • Proctor of the IEEE IEEEExtreme Programming Competition 15.0 • Member of the Steering Committee for the Establishment of a Trusted Digital Repository at National Archives, appointment by the Secretary, Ministry of Buddhasasana, Religious and Cultural Affairs • Vice President of the Computer Society of Sri Lanka (CSSL) the apex body representing Information and Communications Technology (ICT) professionals in Sri Lanka • Represented Sri Lanka at the International Federation for Information Processing (IFIP) General Assembly representing CSSL • Represented Standing Committee on Computing and Standing Committee on Technology at the UGC representing the CSSL
De Silva L.N.C. (Dr.) (Mrs.)	<ul style="list-style-type: none"> • Member of the Technical Evaluation Committee - National Education Commission • Consultant - Govi Nena Project, University of Ruhuna • Reviewer -

	<ul style="list-style-type: none"> ● International Research Conference of University of Ruhuna (RISTCON) 2021 ● International Conference on Advanced Research in Computing 2022: Sabaragamuwa University of Sri Lanka ● The 3rd International Conference on Advancements in Computing 2021: SLIIT ● International Conference on Business and Information 2021: University of Kelaniya ● CSSL Research Colloquium 2021 ● Member to the EDB Advisory Committee on ICT/BPM Sector ● Steering Committee member of the Center for Gender Equality (CGE) in the University of Colombo.
Halloluwa T. (Dr.)	<ul style="list-style-type: none"> ● TEC member - State Ministry of Pharmaceutical Production, Supply and Regulation ● TEC member - Ceylon Shipping Corporation Ltd. ● Software Development Consultant- State Ministry of Pharmaceutical Production, Supply and Regulation ● Software Development Consultant: State Ministry of Cooperative Services, Marketing Development & Consumer Protection ● Software Development Consultant- Sri Lanka Customs ● Software Development Consultant-Postgraduate Institute of Medicine ● Degree Program Reviewer panel Chairperson- Ministry of Education ● ICT curriculum development consultation- National Institute of Education ● curriculum development consultation - Faculty of Information Technology, University of Vocational Technology.
Hewagamage K.P. (Prof.)	<ul style="list-style-type: none"> ● Consultant and Advisor to develop e-Learning and student information system - Faculty of Agriculture, Rajarata University of Sri Lanka ● Director- LEARN - representing UoC ● Member of standing committee, UGC <ul style="list-style-type: none"> -Computing Standing Committee -IT Infrastructure and Online Education Development -English Language Teaching and Testing ● Member of Presidential Task Force on Higher Education ● Member of Development Team for new initiatives - Virtual University of Sri Lanka, Computing University of Sri Lanka ● Chair, Blended Learning Committee, UoC ● Member of Council - Senate Representative, University of Colombo ● Board Member of IBMBB, NILIS
Hettiarachchi K.H.E.L.W. (Dr.) (Ms)	<ul style="list-style-type: none"> ● Resource Person for online training on Blended Learning entitled “Creating Interactive Learning Content using H5P” for Staff of the University of Colombo organized by the Blended Learning Group, University of Colombo – 19th January 2021 ● Second Examiner and Moderation of Examination Paper – ICT2112: Presentation Skills and Video Editing of the ICT4D Degree Programme – Computer Unit, Faculty of Arts, University of Colombo ● Second Examiner and Moderation of Examination Paper – ICT2216: Database Management of the ICT4D Degree Programme – Computer Unit, Faculty of Arts, University of Colombo ● Member of the Curriculum Development Panel of the B.Tech (Hons) in Multimedia and Web Technology Degree Programme

	<ul style="list-style-type: none"> - Faculty of Information Technology – University of Vocational Technology ● Paper Review Committee - CSSL Research Colloquium (CSSLRC) 2021, The Computer Society of Sri Lanka - 12th - 13th October 2021
Keppitiyagama C.I. (Dr)	<ul style="list-style-type: none"> ● External Reviewer - Bachelor of Science in Information Technology Degree Programme, Faculty of Computing, General Sir John Kotelawala Defence University. ● Consultant - Development Lotteries Board ● Judge Panel Member - NBQSA ● Resource Person - A/L Workshop for Teachers, Organized by Zonal Education Office - Colombo ● MSc Examiner - University of Moratuwa ● Chair, PhD Progress Review Panel - University of Moratuwa ● Paper Reviewer - <ul style="list-style-type: none"> * ICTer 2021- Organized by UCSC * iPURSE 2021 - Organized by University of Peradeniya ● Exam paper moderator - University of Ruhuna
Matara Arachchi S.S.P. (Dr.)	<ul style="list-style-type: none"> ● Visiting lecturer: Faculty of Computing, General Sir John Kotelawala Defense University ● Technical Evaluation Committee Member -Development of Department of Labour Website -Department of Labour ● Member of Negotiation Committee, Selection, and employment of the professional Congress Organizer (PCO) of the 55th DB annual Meeting- Ministry of Finance ● IT infrastructure Committee member - 55th ADB annual Meeting- Ministry of Finance ● Coordinator and Judging Member- Young Computer Scientist (YCS 2021) Organized by FITIS and Ministry of Education ● Member of the Asia Pacific ICT Alliance Awards (APICTA) Judging panel 20201- Malaysia ● Judging Member Creative Teacher Competition - Conducted and Organized by the Ministry of Education Visiting lecturer: - Sri Palee Campus ● Moderation and 2nd marking of examination paper - ICT2113 – E-Commerce, Faculty of Arts ● Moderation and 2nd marking of examination paper -ICT2112- Presentation skill and video editing, Faculty of Arts ● Consultant-Development of e-Voting System-National Academy of Science of Sri Lanka ● Consultant -Technical discussion for the draft job description of Consultant Health Informatics - Ministry of Health ● Consultant -Development of a website/Web Application for the University Test of the English Language (UTEL)
Seneviratne GP	<ul style="list-style-type: none"> ● External Procurement Consultant - Peoples Bank ● Member of the Academic Committee - NILIS ● Visiting Lecturer - Faculty of Science Rajarata University of Sri Lanka
Thilakeratne K.M	<ul style="list-style-type: none"> ● Visiting Lecturer - University of Kelaniya ● Consultant - Development Lotteries Board ● Consultant - Attorney General Department ● Reviewer - ICTer Conference
Weerasinghe T.A. (Dr.) (Mrs)	<ul style="list-style-type: none"> ● Deputy Director-Training, Cyber Campus, University of Colombo ● Focal Point of Contact- Smart Classroom Project, Main Library, University of Colombo ● Member of Core Group and Institute-Level Coordinator, Blended Learning Committee, University of Colombo ● Member- IT Committee, University of Colombo
Weerasinghe A.R. (Dr.)	<ul style="list-style-type: none"> ● Visiting Lecturer -

	<ul style="list-style-type: none"> ○ Masters in Bioinformatics, IBMBB, University of Colombo ○ Masters in Big Data Analytics, Informatics Institute of Technology ● Moderator of panel on “Building up AI Capabilities in Sri Lanka” at the 3rd SLASSCOM AI Asia Summit 2021 ● Panel member – <ul style="list-style-type: none"> ○ “The evolution of the Internet in Sri Lanka” at the Sri Lanka Internet Day th “Digital Inclusion” 2021 organized by the Federation of IT industries (FITIS) ○ “Improving Internet usage by breaking language barriers” at the Sri Lanka Internet Day “Digital Inclusion” 2021 organized by the Federation of IT industries (FITIS) ○ pre conference workshop on “Deep Learning for Better Understanding: Leveraging deep learning for machine translation” at the ICIIS 2021 Conference ○ LIRNEasia Dialogue Forum on Tackling Disinformation ○ Keynote address titled “Learning analytics: what can we glean from learner generated textual content?” at the 34th Annual Conference of the Asian Association of Open Universities (AAOU 2021), held at the Open University of Sri Lanka and Online from 1st to 3rd June 2021. ● Principal Investigator of an NRC Public Private Partnership Grant by the National Research Council of Sri Lanka for the Development of a Next-Generation Sequencing (NGS) based test for the diagnosis of Maturity Onset Diabetes of the Young (MODY) with the private sector partner GeneLabs (Pvt) Ltd.
De Zoysa T.N.K. (Dr.)	<ul style="list-style-type: none"> ● Consultant - Development Lotteries Board ● Consultant - Sampath Bank PLC ● Visiting Lecturer - University of Ruhuna

5.4 UCSC CONTRIBUTION TO SUSTAINABLE DEVELOPMENT GOALS (SDG) – 2021

5.4.1 SUSTAINABLE DEVELOPMENT GOALS (SDG)

United Nations Development Programme (UNDP) has identified 17 Sustainable Development Goals (SDG) for improving the living standard of human beings and ensure 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 2021-2025 and the action plan 2021.

5.4.2 UCSC CONTRIBUTION TO SUSTAINABLE DEVELOPMENT GOALS (SGD) FOR THE YEAR 2021

GOAL 1: No Poverty

Goal No.	Description of goal	UCSC activities in line with SDGs	2021 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. Special scholarships are provided using generated income</p> <p>Special financial supports are provided through Alumina association</p> <p>Welfare Society carried out many activities to support who were suffering due to financial issues due to covid-19 pandemic situation</p>	to increase student intake over 500

GOAL 2: Zero Hunger

Goal No.	Description of goal	UCSC activities in line with SDGs	2021 progress	Target by 2030
02	End hunger, achieve food security and improved nutrition and promote sustainable agriculture	<ul style="list-style-type: none"> 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. Conduct meetings to solve issues raised by students against the canteen owner and improved awareness of both the staff and students. Promote a paperless environment to reduce solid waste and manage the least plastic waste daily. 	<p>Special financial assistance were provided for students who lost their parents</p> <p>Scholarships for living were provided even during online teaching and learning</p> <p>Carried out landscaping activities to increase the green environment of the UCSC</p> <p>Reduce the consumption of papers with activities such as e-signature and electronic communication under the work from home policy</p> <p>Practicing the policy to reduce the Energy consumption</p> <p>Special loan scheme was introduced and given for the staff to purchase laptop computers</p>	<p>Improve existing canteen facilities and provide high-quality food for students and staff. Provide financial assistance for low-income students and in distress situations.</p> <p>Provide loan facilities for the staff who are in distress. Improve activities with respect to staff welfare.</p> <p>Become a paperless organization (at least 90%)</p> <p>Improve the greenery environment in the organization.</p>

			<p>Staff members who faced critical financial problems were supported through welfare society</p> <p>During WFH period, staff was promoted to engage in home gardening activities</p>	<p>Carry out ICT research related to e-agriculture.</p>
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GOAL 3: Good Health and Well-being

Goal No.	Description of goal	UCSC activities in line with SDGs	2020 progress	Target by 2030
03	Ensure healthy lives and promote well-being for all at all ages	<ul style="list-style-type: none"> UCSC has implemented a Medical scheme for its staff and arranged awareness programmes. The medical center provides medical assistance for UCSC students free of charge and UCSC provides free transport facilities for students up to National Hospital Colombo if required depending on the circumstances. Distress loan scheme facilitates staff to seek funds when they are at distress. Improve the environment safe while maintaining a clean environment to ensure Dengue free and mosquito-free environment. Conduct seminars to improve the knowledge of healthy practices and lifestyle and conducted 5 medical workshops in collaboration with Medical Faculty, UoC. Counselling service to staff and students 	<p>Using the medical support scheme, the staff and their immediate family members were supported during 2020</p> <p>The WFH was practiced among all staff to minimize the spread of Covid-19 virus</p> <p>Many guidelines were issued to maintain social distancing and health practices such as washing hands and having face mask during working hours</p> <p>Suspected staff members were granted paid leave to stay at home due to covid-19 infection</p> <p>Government and university guidelines were followed to minimize the spread of Covid-19</p> <p>All examinations were carried out based on the under strict health regulations to protect staff and students</p> <p>Professional counselling 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	2021 progress	Target by 2030
04	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	<p>UCSC provides free education, equitable and quality education. Offer followings.</p> <ol style="list-style-type: none"> 1. Certificate, Diploma and Higher Diploma courses 2. BIT degree for external students 3. FIT programme as the foundation programme for those who are willing to improve their ICT knowledge and skills 4. BSc. Degree programmes for areas in computing (5 degrees) 5. Postgraduate degree programmes in 6 areas of specialization <p>UCSC has fulltime professors and senior academic staff to deliver high-quality teaching and research to students and it has over 90% employability rate among students. Most of the senior academic staff possess PhDs</p>	<p>Due to covid-19 pandemic situation, UCSC didn't suspend any academic activities and teaching/learning/assessment activities were carried out through online learning environment</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 2021 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 programmes were carried out to improve the quality of open educational initiatives of UCSC</p> <p>Several student surveys were carried out to find out students issues and facilitate them to engage in the education effectively</p>	Meet quality assurance indicators introduced by UGC from time to time to ensure high-quality education and international standards

GOAL 5: Gender Equality

Goal No.	Description of goal	UCSC activities in line with SDGs	2021 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	Genedere was never considered in the student admission of any degree or other academic programmes Gender was never considered when staff members were recruited or promoted during 2021 Male and Female ratio was considered when developing facilities such as sanitary facilities Female students were provided special scholarships using external support in the BIT programme	Maintain gender equality policy as existed by 2030

GOAL 6: Clean Water and Sanitation

Goal No.	Description of goal	UCSC activities in line with SDGs	2021 progress	Target by 2030
06	Ensure availability and sustainable management of water and sanitation for students and staff	All students and staff were given drinking water facility and sanitary facilities by spending recurrent and generated an income of UCSC	Drinking water was provided for the all staff The condition of water was checked at regular time point. Regular cleaning activities were carried out and they were recorded daily	Ensure drinking water for all students and staff and sanitation facility for all including differently-abled students

GOAL 7: Affordable and Clean Energy

Goal No.	Description of goal	UCSC activities in line with SDGs	2021 progress	Target by 2030
07	Ensure access to affordable, reliable, sustainable and modern energy for all	Introduce energy-saving activities and make use of efficient energy. Consider energy saving when acquiring new computers and lab equipment for students and staff	According to the energy saving policy, low consumption equipments such as LED bulbs were used to replace when it is necessary. Monitor the energy usage to take actions to minimize the actions required Practiced the formal policy on Energy savings	Save energy by 15% introducing new technology

			Many repair activities with respect to electricity supply were carried out to minimize the electricity wastage	
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GOAL 8: Decent Work and Economic Growth

Goal No.	Description of goal	UCSC activities in line with SDGs	2021 Progress	Target by 2030
08	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all	Produce quality graduates to contribute to national development of the country. Employability of UCSC graduates to maintain over 90%. Improve the working standard of students and staff.	Evaluated the employability issues of present graduates due to covid-19 pandemic situation Carried out employability survey of different groups of graduates Many actions were taken to minimize the effect on the income due to covid-19 WFH was practiced together with new reporting mechanism Staff promotional activities were carried out through the welfare society of UCSC	Maintain 100% employability and produce competitive, innovative, creative and high-quality graduates through Research & Development (R& D) Stable economical growth in the UCSC irrespective of government funds

GOAL 9: Industry, Innovation and Infrastructure

Goal No.	Description of goal	UCSC activities in line with SDGs	2020 progress	Target by 2030
09	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation	Upgrade the infrastructure with modern technologies to provide high-quality education for IT graduates based on the industry demand Develop the curriculum of current programmes and start new programmes based on the market requirement Promote innovation as a curriculum as well as extra curriculum activity among students and staff	IT infrastructure was enhanced to promote WFH activities Online Meetings through Zoom service became a common methodology to promote interaction among staff and students Activities related to the capitable development were carried out during to upgrade the infrastructure Many projects were supported for innovative development considering current covid 19 situation ICTer Conference and Journal was the mechanism for knowledge dissemination to promote industrialization and innovation	Innovation will be considered when assessing student performance-based evaluation. Establish environment-friendly sustainable physical and IT infrastructure in the organization. Contribute to the national innovation in Sri Lanka

GOAL 10: Reduced Inequality

Goal No.	Description of goal	UCSC activities in line with SDGs	2021 progress	Target by 2030
10	Reduce inequality within and among countries	<p>Conduct English classes for students who are weak in English</p> <p>Conduct tutorial classes among weak students in studies</p>	<p>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</p> <p>Facilitated students to acquire additional awareness to improve their softskills</p> <p>Online Seminars were conducted to improve career development</p> <p>Students and staff were facilitated to learn English language</p> <p>Staff were promoted to continue their education</p>	Increase the student performance where the majority of students get GPA 2.5 or more

GOAL 11: Sustainable Cities and Communities

Goal No.	Description of goal	UCSC activities in line with SDGs	2021 progress	Target by 2030
11	Make cities and human settlements inclusive, safe, resilient and sustainable	<p>Improve the safety of the working environment in all aspects.</p> <p>Facilitates students from rural areas by providing hostels and scholarships.</p> <p>Students and staff conduct workshops for rural schools.</p>	<p>Fire protection system was developed within UCSC to improve the safety and sustainability of the organization</p> <p>Promoted both BIT and FIT programmes among low income students as an affordable degree programme for all</p>	Improve the e-Learning and blended learning infrastructure to promote distance education through BIT programme

GOAL 12: Responsible Consumption and Production

Goal No.	Description of goal	UCSC activities in line with SDGs	2021 progress	Target by 2030
12	Ensure sustainable consumption and production patterns	<p>UCSC follows waste management policies and sends waste for recycling.</p> <p>UCSC considers e-waste disposal process</p>	Due to covid-19 pandemic situation, a significant amount of consumption of electricity and water was reduced	<p>Manage the consumption of energy and other resources.</p> <p>Obtain the maximum usage of</p>

		to minimize the environment damages	UCSC continued to monitor consumption of materials Repaired many equipments such as cupboards to reuse them again E-waste management policies were followed	goods/assets before its disposal. Develop policies to manage consumption and practice them. Maintain good waste management and recycling system.
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GOAL 13: Climate Action

Goal No.	Description of goal	UCSC activity in line with SDGs	2021 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 minimized the consumption of energy due to covid-19 situation and WFH and it contributed the climate development Policy of saving energy was formally approved and it was practiced when replacing all electronic equipments 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	2021 progress	Target by 2030
14	Conserve and sustainably use the oceans, seas and marine resources for sustainable development	Consumption of Water management Waste management to minimize the water quality	Minimize the consumption of water during 2021 Improve the waste management in the organization	Contribute by reducing water consumption and protecting the quality of water

GOAL 15: Life on Land

Goal No.	Description of goal	UCSC activity in line with SDGs	2021 progress	Target by 2030
15	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss	This goal is not related with UCSC Strategic Plan and Action Plan	Not applicable	Not applicable

GOAL 16: Peace and Justice Strong Institutions

Goal No.	Description of goal	UCSC activities in line with SDGs	2021 progress	Target by 2030
16	Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels	Zero tolerance for ragging, sex or gender based violence and staff and students could make necessary complaints if they are victims of such events	<p>All students were educated about violence and ragging within the university premises as well as online environment</p> <p>Activities were carried out to develop the friendship and harmony among staff and students groups</p> <p>Staff and student complaints were addressed to minimize the issues and provide better working and learning environment for all</p>	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	2021 progress	Target by 2030
17	Strengthen the means of implementation and revitalize the global partnership for sustainable development	UCSC has established partnerships with IT industry/organizations locally and globally for the betterment of its students and staff UCSC adopts policies to promote sustainable development	<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>	Achieve the status of development with sustainability as the main indicator of achievement

6. FINANCE

6. FINANCE

According to the financial regulations, it is required to submit the 2021 annual financial statements within first two months of 2022 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 2021.

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 programmes, 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 programme. In 2021, the recurrent expenditure of Rs 386,298/= has been spent per student basis.

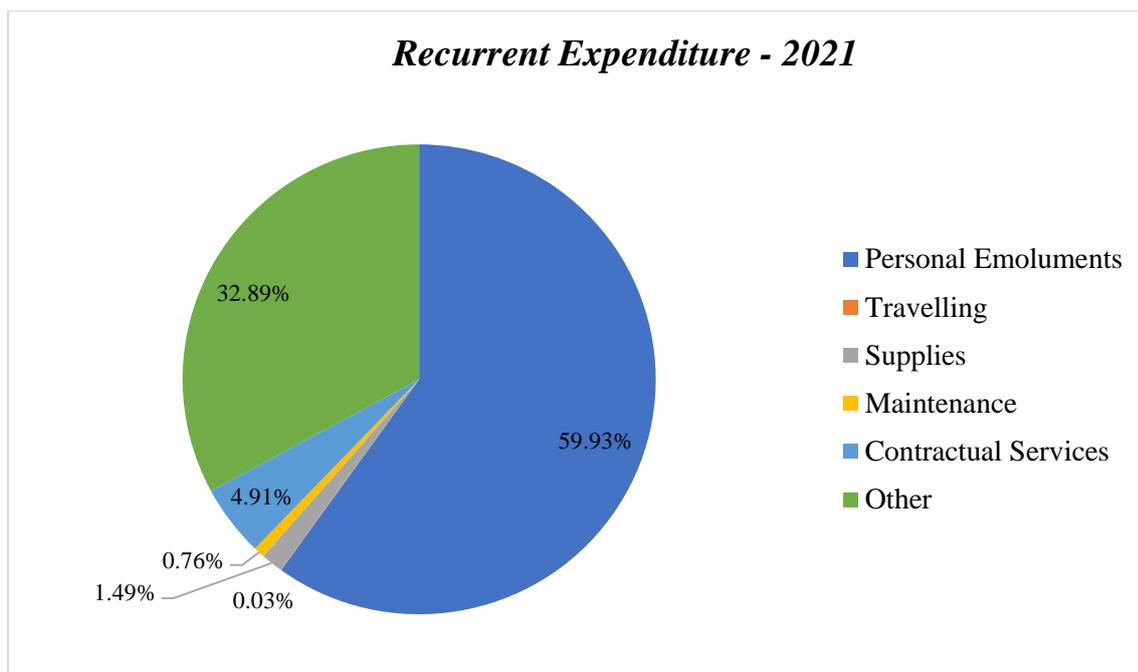
In general, the recurrent expenditure is 550.56 million, out of which 158.38 million was the generated income of UCSC. In other words, 28.76% of the total recurrent expenditure is from UCSC generated income. The major classification of recurrent expenditure is given below in the table (Recurrent Expenditure).

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

Subject	2021	2020	2019
Personal Emoluments	329,870	322,106	338,452
Travelling	179	175	1,900
Supplies	8,200	8,384	9,403
Maintenance	4,202	4,209	6,093
Contractual Services	27,054	29,690	37,836
Other	181,052	155,044	191,415
Total	550,557	519,608	585,099
Government Allocation	392,180	357,880	337,200

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 2021 with 2020 in the table of Recurrent Expenditure.

Recurrent Expenditure - 2021



6.2 CAPITAL EXPENDITURE

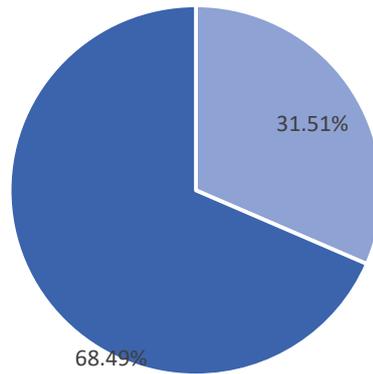
Due to Government capital grant is insufficient, UCSC generated funds were used to carry out planned activities. During the year capital expenditure is 73.17 million, out of which 13.17 million was the generated income of UCSC. In general, the capital expenditure per student is Rs 73,317/=. Details of capital expenditure are given in the table below (Capital Expenditure).

Table 6.2. A: Capital Expenditure

Rs. 000'

Subject	2021	2020	2019	2018
Acquisition of Furniture, Office Equipment Other Fixed Assets	23,059	14,445	68,939	61,579
Rehabilitation and Improvement of Building & Structures	50,112	27,140	33,091	85,628
Total	73,171	41,585	102,030	147,207
Government Allocation	60,000	23,000	69,000	112,250

Capital Expenditure - 2021



- Acquisition of Furniture & Office Equipment
- Acquisition of Building & Structures

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 to 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)	-	-	632	182
Research Projects (foreign funded)	-	-	6,554	300
Consultancy & Software Dev. Type of Projects	6,000	6,576	5,649	4,048
Total	6,000	6,576	12,835	4,530

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 type 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	6,526	6,526	6,526	-
Postgraduate Studies	108,400	108,007	108,007	(393)
Consultancies	6,580	6,576	5,649	(931)
External Degree	100,343	79,896	79,896	(20,447)
Other	100,000	91,457	91,457	(8,543)
Total	321,849	292,462	291,535	(30,314)

6.4.1 FINANCIAL PERFORMANCE ANALYSIS**Table 6.4.1. A: Financial Performance Analysis – 2021****Rs. 000'**

Subject	Formula	Exp. per Student
Recurrent Expenditure per Student (RE)	RE / Total No of Student strength	386,298
Capital Expenditure per Student (CE)	CE Total / No of Student strength	73,317
	Cost per Student	459,615

6.4.2 ANALYSIS OF THE FINANCIAL DETAILS OF THE UNDERGRADUATE PROGRAMME

RS '000

	2021	%	2020	%	2019	%	2018	%
Personal Emoluments	326,363		316,053		329,637		228,297	
Other Recurrent	74,163		53,479		66,441		62,666	
Total Recurrent Expenditure	400,526		369,532		396,078		290,963	
Recurrent Grant Received	392,180	98	357,880	97	337,200	85	198,785	68
Generated Funds for Recurrent Activities	8,346	2	11,652	3	58,878	15	92,178	32
Capital Expenditure	73,171		41,585		102,030		146,829	
Capital Grant Received	60,000	82	23,000	55	69,000	68	112,250	76
Generated Funds for Capital Activities	13,171	18	18,585	45	33,030	32	34,579	24
Total Expenditure (Recurrent + Capital)	473,697		411,121		498,108		437,792	
Total Government Grant	452,180	95	380,880	93	406,200	82	311,035	71
Generated funds for Undergraduate Programme	21,517		30,241		91,908		126,757	
Generated Funds utilization as a % of total Expenditure		5		7		18		29

6.4.3 STATEMENT OF FINANCIAL POSITION

FOR THE YEAR ENDED 31 ST DECEMBER	Notes	2021 Rs	2020 Restated Rs
ASSETS			
Current Assets			
Cash & Cash Equivalents	1	105,600,505	100,784,050
Loans Receivable - Within One Year	2	4,918,068	4,708,464
Investments - Mature within One Year	1.1	1,318,618,278	1,083,916,289
Other Receivables & Pre-payments	3	9,557,251	12,989,215
Interest Receivables	4	66,042,291	84,799,936
Inventories	5	3,026,788	1,933,662
Total Current Assets		1,507,763,181	1,289,131,617
Non - Current Assets			
Loans Receivable - More than One Year	2	12,940,474	13,203,458
Investments - Mature after One Year	1.1	43,742,158	43,742,158
Rehabilitation and Improvement of Capital Assets	6	40,765,012	39,410,551
Construction Work in Progress	7	42,343,666	17,877,561
Library Books & Periodicals	8	1,396,658	2,119,153
Property, Plant & Equipment	9	679,756,392	638,043,775
Intangible Assets	10	8,329,464	14,580,323
Total Non - Current Assets		829,273,825	768,976,980
TOTAL ASSETS		2,337,037,006	2,058,108,596
EQUITY & LIABILITIES			
Current Liabilities			
Accruals & Other Payable	11	29,963,020	42,123,569
Creditors		6,539,879	2,566,100
Retention		1,913,877	5,942,150
Deferred Income	12.1	116,987,025	120,935,336
Total Current Liabilities		155,403,801	171,567,155
Non - Current Liabilities			
Deferred Income	12.2	15,062,500	19,391,667
Retirement Benefit Obligation - Gratuity	13	103,156,667	112,819,428
Total Non - Current Liabilities		118,219,167	132,211,095
TOTAL LIABILITIES		273,622,967	303,778,250
TOTAL NET ASSETS / EQUITY		2,063,414,038	1,754,330,346
ACCUMULATED RESERVE & FUNDS			
Accumulated Fund - Capital	14	706,160,342	726,439,363
Accumulated Fund - Current	15	913,867,791	703,379,156
Project Grants	16	12,226,200	5,792,698
Contribution from University of Colombo		8,155,714	8,155,714
Revaluation Reserve	17	131,897,080	45,930,497
Restricted Funds	18	291,106,911	264,632,918
TOTAL NET ASSETS / EQUITY		2,063,414,038	1,754,330,346

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Deputy Bursar

The accounting policies on pages 12 to 27 and notes on pages 28 to 57 form an integral part of these Financial Statements. The Members of the Board of Management are responsible for the preparation and presentation of these Financial Statements. These Financial statements were approved by the Board of Management and signed on their behalf.

.....
Director
25-Feb-2022

.....
Deputy Director

6.4.4 STATEMENT OF FINANCIAL PERFORMANCE

<i>FOR THE YEAR ENDED 31ST DECEMBER</i>	Notes	2021 Rs	2020 Restated Rs
Revenue			
Revenue from Non Exchange Transactions - Current			
Government Grant for Recurrent Expenditure		392,180,000	357,880,000
Grant for Student Bursary		4,946,100	4,402,400
Total Revenue from Non Exchange Transactions- Current		397,126,100	362,282,400
Revenue from Exchange Transactions - Current			
Generated Income		45,114,079	33,299,211
Interest Income	27	6,104,264	3,971,048
Other Income	28	6,526,299	4,884,758
Actuarial Gain		13,419,164	-
Disposal Profit		417,164	138,498
Net Revenue from Extension Program	29	126,840,148	107,454,083
Net Revenue From Projects	30	2,082,828	3,361,113
Total Revenue from Exchange Transactions- Current		200,503,946	153,108,711
Total Revenue - Current		597,630,046	515,391,111
Revenue from Non Exchange Transactions - Capital			
Government Grant for Capital Expenditure		60,000,000	23,000,000
Project Grant for Capital Expenditure		-	9,500
Total Revenue from Non Exchange Transactions- Capital		60,000,000	23,009,500
Revenue from Exchange Transactions - Capital			
Generated Income		12,000,000	19,371,000
Total Revenue from Exchange Transactions- Capital		12,000,000	19,371,000
Total Revenue - Capital		72,000,000	42,380,500
Total Revenue		669,630,046	557,771,611
Operating Expenditure - Current			
Personal Emoluments	31	269,779,146	263,199,576
Travelling Expenses	32	173,702	126,512
Supplies	33	6,408,431	6,558,788
Contractual Services	34	29,719,386	32,630,031
Retirement Benefits	35	56,584,275	52,853,604
Other Recurrent Expenses	36	13,809,787	14,164,039
Mahapola & Bursary Payment		4,946,100	4,402,400
Non Moving Items - Write Off		139,461	-
Disposal Loss -Software		6,181,485	-
FAR-Write Off (NBV)		2,730,344	-
Total Operating Expenditure - Current		390,472,118	373,934,949
Non Operating Expenditure			
Depreciation & Amortization Expenses	37	95,787,728	101,274,049
Total Non Operating Expenditure		95,787,728	101,274,049
Total Expenses		486,259,847	475,208,998
Total Surplus / (Deficit) for the Year		183,370,199	82,562,613
Current Surplus/ (Deficit) for the Year		207,157,928	141,456,162
Capital Surplus/ (Deficit) for the Year		(23,787,728)	(58,893,549)

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

6.4.5 STATEMENT OF CHANGES IN EQUITY

FOR THE YEAR ENDED 31 ST DECEMBER 2021	Capital Grant Unspent	Capital Grant Spent	Project Grants Unspent	Project Grants Spent	Contribution from UoC	General Reserves	Accumulated Fund - Current Rs	Accumulated Fund - Capital Rs	Revaluation Reserve Rs.	Restricted Funds Rs.	Total Rs
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs					
Balance as at 01st January 2020	1,668,491	800,886,824	9,389,299	8,425,828	8,155,714	537,273,315	-	-	35,505,497	246,464,503	1,647,769,471
Reclassification as per SLPSAS11 - Accumulated Fund - Capital	(1,668,491)	(800,886,824)	-	(8,425,828)	-	-	25,648,230	785,332,912	-	-	-
Reclassification as per SLPSAS11 - Accumulated Fund - Recurrent	-	-	-	-	-	(537,273,315)	537,273,315	-	-	-	-
Adjustment of Interest Receivable 2019	-	-	-	-	-	-	-	-	-	1,185,480	1,185,480
Adjusted balance as at 01st January 2020	-	-	9,389,299	-	8,155,714	-	562,921,545	785,332,912	35,505,497	247,649,983	1,648,954,951
Surplus/ (Deficit) during the year	-	-	-	-	-	-	141,456,162	(58,893,549)	-	-	82,562,613
Grant Received During the Year	-	-	2,100,000	-	-	-	-	-	-	-	2,100,000
Transferred During the Year from Unspent Grant to Income	-	-	(5,696,601)	-	-	-	-	-	-	-	(5,696,601)
Prior Year Adjustments	-	-	-	-	-	-	(998,551)	-	-	-	(998,551)
Transferred During the Year	-	-	-	-	-	-	-	-	10,425,000	16,982,935	27,407,935
Balance as at 31st December 2020	-	-	5,792,698	-	8,155,714	-	703,379,156	726,439,363	45,930,497	264,632,918	1,754,330,346
Transfer Surplus/ (Deficit) during the year	-	-	-	-	-	-	207,157,928	(23,787,728)	-	-	183,370,201
Grant Received During the Year	-	-	8,788,468	-	-	-	-	-	-	-	8,788,468
Transferred During the Year from Unspent Grant to Income	-	-	(2,354,966)	-	-	-	-	-	-	-	(2,354,966)
Transferred During the Year	-	-	-	-	-	-	-	-	92,805,995	26,473,994	119,279,989
Transfer from Revaluation Reserve to Accumulated Fund – Current	-	-	-	-	-	-	3,330,706	-	(3,330,706)	-	-
Reserve to Accumulated Fund Capital	-	-	-	-	-	-	-	3,508,706	(3,508,706)	-	-
Balance as at 31st December 2021	-	-	12,226,200	-	8,155,714	-	913,867,791	706,160,342	131,897,081	291,106,911	2,063,414,038

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

6.4.6 STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED 31 ST DECEMBER		2021	2020 Restated
	Note	Rs.	Rs
Cash Flows From/ (Used in) Operating Activities			
Surplus / (Deficits) for the Year		183,370,199	82,562,613
Adjustment for :			
Depreciation & Amortization		95,787,728	101,354,551
Provision for Gratuity		15,558,047	12,893,778
Write off		3,844,841	-
(Profit) /Loss from Sales of Property, Plant & Equipment		6,086,328	(138,498)
Interest Income		(64,205,222)	(87,011,494)
Exchange Gain / (Loss)		171,732	(291,501)
Actuarial Gain / (Loss)		(13,419,164)	-
Provision of Audit Fee		500,000	-
Set Off Charges on FD Withdrawals		-	284,343
Net Cash Flow from Operating Activities before Working Capital Changes		227,694,490	109,653,793
(Increased) / Decreased in Inventories		(1,232,586)	150,369
(Increased) / Decreased in Inter-Unit Current Accounts		53,558,775	20,642,589
(Increased) / Decreased in Other Receivables & Pre-payments		2,460,946	(369,079)
(Increased) / Decreased in Staff Loan Receivables		53,379	(320,190)
Increased / (Decreased) in Accruals & Other Payable		(12,711,236)	(2,049,975)
Increased / (Decreased) in Inter-Unit Current Accounts		(53,558,776)	(20,642,589)
Increase / (Decrease) in Deferred Income		(8,277,479)	71,842,252
Net Cash Flow from Operating Activities after Working Capital Changes		207,987,514	178,907,170
Gratuity Paid		(11,801,644)	(2,492,166)
Paid from Sanasa Project		-	(437,178)
Net Cash Generated/ (Used) From Operating Activities		196,185,870	175,977,825
Cash Flows From/(Used In) Investing activities			
Acquisition of Property, Plant & Equipment		(22,958,530)	(14,445,280)
Work in Progress - Construction		(45,525,433)	(23,754,698)
Proceeds from Sales of Property, Plant & Equipment		712,203	224,599
Rehabilitation & Improvement of Capital Assets		(4,586,474)	(3,384,986)
Received in Interest		87,983,996	92,690,079
Funds invested in Fixed Deposits		(252,034,233)	(228,725,717)
Withdrawals of Fixed Deposits		17,325,493	27,641,193
Net Cash Generated/ (Used) From Investing Activities		(219,082,978)	(149,754,809)
Cash Flows from /(Used In) Financing Activities			
Transfer to Income from Project Grant Received		(2,354,966)	(5,696,601)
Project Grant Received		8,788,468	2,100,000
Net Receipts/Payments from Restricted Funds		21,451,792	6,279,149
Net Cash Generated/ (Used) From Financing Activities		27,885,294	2,682,548
Net Increase/Decrease in Cash and Cash Equivalents		4,988,186	28,905,565
Cash and Cash Equivalents at the Beginning of the Year		100,784,050	71,586,986
Adjustment of Exchange Gain / (Loss)		(171,732)	291,501
Cash and Cash Equivalents at the End of the Year	1	105,600,505	100,784,050

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

POLICIES TO THE FINANCIAL STATEMENTS

1. Reporting Entity

1.1 Legal and Domicile Form

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

1.2 Principal Activities & Nature of Operation

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

1.3 Financial Period

The financial period of the UCSC represents a twelve-month period from 1st January 2021 to 31st December 2021.

1.4 Date of Authorization for Issue

The financial statements were authorized for issue by the Board of Management held on 24th February 2022.

1.5 Basis of Preparation of Financial Statements

1.5.1 Statement of Compliance

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

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

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

1.5.2 Basis of Measurement

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

1.5.3 Comparative Information

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

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

1.5.4 Functional and Presentation Currency

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

1.5.5 Rounding

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

1.5.6 Significant Accounting Estimates and Judgements and Assumptions

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

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

1.5.7 Going Concern

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

1.5.8 Changes in Accounting Policies and Estimates

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

2. Summary of Significant Accounting Policies

2.1. Assets and the Basis of their valuation

2.1.1 Property, Plant and Equipment.

a. Recognition and Measurement

(I) Basis of Recognition

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

(II) Basis of Measurement

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

b. Cost

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

c. Subsequent Expenditure

Subsequent expenditure incurred for the purpose of acquiring, extending or improving assets of a permanent nature in order to carry on or increase the earning capacity of the assets has been treated as capital expenditure. Expenditure incurred to replace a component of an item of property, plant and equipment that is accounted for separately, including major inspection and overhaul expenditure, is capitalized. Other subsequent expenditure is capitalized only if it is probable that the future economic benefits embodied within the part will flow to UCSC and its cost can be measured reliably.

an entity does not recognize in the carrying amount of an item of property, plant and equipment the costs of the day-to-day servicing of the item. Rather, these costs are recognized in surplus or deficit as incurred.

d. Fair Value

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

2.1.2 Derecognition of Property, Plant & Equipment

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

2.1.3 Library Books

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

2.1.4 Revaluation of Property Plant & Equipment

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

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

2.1.4.1 Revaluation During the Year 2021

During the year 2021, UCSC conducts a revaluation of its entire class of Computer and Network Equipment, Lab and Studio Equipment, Furniture and Fittings, Office Equipment, Electrical and Maintenance Equipment by an internally appointed five revaluation committees, appointed by the Director UCSC.

Committees completed the revaluation, submitted their reports and the effective date of the revaluation was 31st December 2021. During the year 2021, Property Plant and Equipment revaluation were recognized in the financial statements.

2.1.5 Depreciation

Depreciation is recognized on all Property, Plant & Equipment on a straight-line basis over the estimated useful lives of such assets. Depreciate all the assets when they are available for use, and depreciation of assets ceases when the assets are de-recognized" in accordance with the Sri Lanka Public Sector Accounting Standards (SLPSAS7). If

the date of purchasing of 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. The correspondent government or other grant amount is amortized over the useful life of the related asset.

Description	Rate per annum
Buildings & Rehabilitation	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	10%
Water	10%

2.1.6 Restructured of Fixed Assets Register

UCSC Fixed Assets Register (FAR) was re-structured during the year by an internal committee appointed by the Director / UCSC with the approval of the Board of Management. The committee completed the assignment and therefore, some of the categories of Property Plan and Equipment were changed with effect from 2021 for more prudent classification of assets.

Therefore, previous categories of Office equipment, Lab and Teaching Equipment, Furniture Fittings were re-classified during the year as office Equipment, Laboratory, Studio & Teaching Equipment, Furniture& Fittings, Computer & Network Equipment and Electrical & Maintenance Equipment as follows while other categories remain as the same.

Categories Before Re - Classification	Categories After Re -Classification
Office Equipment	Office Equipment
Laboratory & Teaching Equipment	Laboratory, Studio & Teaching Equipment
Furniture& Fittings	Furniture& Fittings
-	Computer & Network Equipment
-	Electrical & Maintenance Equipment
Buildings & Rehabilitation	Buildings & Rehabilitation
Library books & periodicals	Library books & periodicals
Motor Vehicles	Motor Vehicles
Electricity Connection	Electricity Connection
Water Supply System	Water Supply System

2.1.7 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.

2.1.8 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.

2.1.8.1 Intangible Assets Review During the Year 2021

During the year 2021, Director UCSC appointed an internal committee to review UCSC intangible assets and to review the depreciation period and the method of depreciation of them. The committee carried out the review and submitted its report mentioning the effective date 01st July 2021. During the year 2021, Intangibles assets review committee recommendations were recognized in the financial statements.

2.1.9. 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.

2.1.10 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 banks 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 2021. The UCSC's accounting policy for gratuity is to recognize actuarial gains and losses in the period in which they occur in full in the statement of Financial Performance.

Actuarial and Management Consultant (Pvt) Ltd, qualified actuaries has done actuarial valuation on the defined benefit plan – Gratuity as at 31-12-2021. 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: 2.00% p.a. and Contract Staff as given in the Annex

Contract Staff: Staff Turnover Rate

AGE GROUP RATE

XV: 18 to 34 25%

XV: 35 to 44 15%

XV: 45 to 54 5%

And thereafter, Zero.

Rate of salary Escalation

Academic Staff 10.00% p.a.

Academic Support Staff 9.00% p.a.

Non-Academic Staff 8.00% p.a.

Normal Retirement Age

Academic Staff 65 yrs.

Non-Academic staff 62 yrs.

Rate of discount 11% 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	4,328,613
Non -Academic - Permanent	1,214,619
Academic Support – Permanent	196,496
Academic – Contract	498,284
Non – Academic- Contract	51,300
Academic Support -Contract	229,521
<u>E Learning</u>	<u>13,659</u>
Total	6,532,491

Sensitivity Analysis was done assuming below rates.

- One percentage point increase (+1%) in Discount Rate	Rs. 95,400,863
- One percentage point decrease (-1%) in Discount Rate	Rs. 112,019,585
- One percentage point increase (+1%) in Salary Escalation Rate	Rs. 111,975,052
- One percentage point decrease (-1%) in Salary Escalation Rate	Rs. 95,306,514

Actuarial valuation is done for the year 2021.

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 in to Sri Lankan rupees at rates which are prevailing at the date of transaction. Gain and losses resulting from the settlement of such translation and from the translation of monetary assets and liabilities denominated in foreign currencies are recognized in the income statement. Monetary assets and liabilities denominated in foreign currencies are translated at the exchange rate prevailing on the balance sheet date.

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

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

3.2.1 Endowment Funds

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

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. 392.18 Mn. was received as a recurrent grant for the year 2021.

- 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 2020. Capital surplus / (deficit) arising from the capital transactions are accumulated under the Accumulated Fund – Capital in the financial statement. During the year, Rs. 60Mn. received as Government Capital Grant including 10 Mn. special Grant received from University Grants Commission.

(b) Gifts, Donations and Goods in Kind Received

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

4.1.2 Revenue from Exchange Transaction

(a) Course Fee

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

(b) Fees on Computing Services

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

(c) Investment Income

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

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

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

(e) Other Income

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

4.3 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.

4.4 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.

4.5 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.

4.6 Receivables

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

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.

4.8 Combined Financial Statements

UCSC has prepared its combined financial statements by combining all its accounts of units / centers established under Ordinance No. 01 of 2002. These Units/ Centers consist of Undergraduate Unit (UG), Postgraduate Unit (PG), External Degree Centre (EDC), Computing Service Centre (CSC), e Learning Centre (eLC), Advance Digital Media Technology Centre (ADMTC), ICTer Conference and Common Projects.

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 01 CASH AND CASH EQUIVALENTS

AS AT 31 ST DECEMBER	2021 Rs.	2020 Rs.
SHORT TERM INVESTMENT		
Call Fixed Deposits - Undergraduate	46,294,185	32,000,000
Fixed Deposits - Postgraduate	21,242,288	22,527,817
Fixed Deposits - EDC	3,000,000	-
Fixed Deposits - eLC	947,831	1,404,672
Fixed Deposits - ICTer	997,337	2,441,834
Fixed Deposits - Common Projects	-	4,510,348
Subtotal	72,481,641	62,884,671
BANK CURRENT ACCOUNTS		
Bank Balance - Undergraduate	7,444,445	16,891,607
Bank Balance - EDC	1,952,427	2,030,635
Bank Balance - Postgraduate	6,078,270	5,667,938
Bank Balance - CSC	2,992,966	3,023,032
Bank Balance - ADMTC	753,590	1,259,822
Bank Balance - eLC	1,669,653	1,366,475
Bank Balance - ICTer	1,815,969	783,041
Bank Balance - Common Projects	10,411,543	6,876,829
Subtotal	33,118,864	37,899,380
TOTAL	105,600,505	100,784,050

NOTE 01.01 INVESTMENT

AS AT 31 ST DECEMBER	Balance as at 01.01.2021 Rs.	Added to Deposits During the Year Rs.	Withdrawals During the Year Rs.	Balance as at 31.12.2021 Rs.
NOTE 01.01 INVESTMENT - MATURE WITHIN ONE YEAR				
Undergraduate	14,739,444	26,230,043	306,750.00	40,662,737
Postgraduate	403,343,700	109,472,919	-	512,816,618
EDC	421,813,520	88,062,720	4,093,652	505,782,588
CSC	41,666,933	5,655,629	-	47,322,562
eLC	114,682,812	12,649,925	6,000,000	121,332,737
ADMTC	15,571,160	890,639	-	16,461,798
Common Projects	65,747,588	8,194,706	6,931,841	67,010,452
ICTer	6,351,132	877,654	-	7,228,785
Subtotal	1,083,916,289	252,034,233	17,332,243	1,318,618,278

**NOTE 01.01 INVESTMENT - MATURE
AFTER ONE YEAR**

eLC	200,000	-	-	200,000
Postgraduate	43,542,158	-	-	43,542,158
Subtotal	43,742,158	-	-	43,742,158
TOTAL	1,127,658,447	252,034,233	17,332,243	1,362,360,436

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 02 LOAN RECEIVABLES

<i>AS AT 31ST DECEMBER</i>	Recover Within One Year Rs.	Recover after one Year Rs.	Total 2020 Rs.
-			
Distress Loan	4,558,356	12,829,671	17,388,027
Computer Loan	18,000	41,000	59,000
Vehicle Loan	125,988	302,527	428,515
Staff Loan	6,120	30,260	36,380
Special Computer Loan	-	-	-
TOTAL	4,708,464	13,203,458	17,911,922

<i>AS AT 31ST DECEMBER</i>	Recover Within One Year Rs.	Recover after one Year Rs.	Total 2021 Rs.
Distress Loan	4,416,456	11,306,964	15,723,420
Computer Loan	12,000	28,500	40,500
Vehicle Loan	77,988	93,372	171,360.00
Staff Loan	6,120	24,310	30,430.00
Special Computer Loan	405,504	1,487,328	1,892,832
TOTAL	4,918,068	12,940,474	17,858,542

NOTE - 03 OTHER RECEIVABLES, DEPOSITS AND PRE-PAYMENTS

<i>AS AT 31ST DECEMBER</i>	2021 Rs.	2020 Rs.
Festival Advance	13,400	9,400
Special Advance	4,000	4,000
Miscellaneous Advance	-	151,000
Deposits		
United Motors Ltd.	15,000	15,000
Associated Motorways Ltd	5,000	5,000
Lanka Communication Services (Pvt) Ltd	15,000	15,000
Sri Lanka Telecom - IDD - Telephone NO. 587239	20,000	20,000

Refundable Deposit -ANCL	97,500	97,500
Rent Deposit -Battaramulla Hostel	-	1,015,875
Rent Deposit -Kohuwala Hostel	600,000	-
Felix Perera & Sons- Fuel	85,275	85,275
Refundable Deposits	4,000,000	4,144,000
Water Mart Systems (Pvt) Ltd	16,000	16,000
<u>Other Receivables</u>		
Stamps	78,661	74,561
Sundry Receivable	3,713,181	7,123,723
Pre-payments	894,233	212,881
TOTAL	9,557,251	12,989,215

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 04 INTEREST RECEIVABLE

AS AT 31ST DECEMBER	2021 Rs.	2020 Rs.
Undergraduate	798,469	625,439
ADMTC	351,594	392,690
Postgraduate	40,443,531	44,138,119
EDC	20,117,508	33,270,552
CSC	757,759	974,491
eLC	1,863,019	2,498,708
Common Projects	1,621,484	2,711,411
ICTer	88,927	188,526
TOTAL	66,042,291	84,799,936

NOTE - 05 INVENTORIES

Stationery - Central Stores	2,720,325	1,775,608
Stock of Fuel	306,462	158,054
TOTAL	3,026,788	1,933,662

NOTE - 06 REHABILITATION AND IMPROVEMENT OF CAPITAL ASSETS

Description	Rs. Rehabilitation & Improvement of Capital Assets
Cost:	
Balance as at 01.01.2021	74,835,382
Error Correction	(10)
Add: Additions During the Year	4,586,474
Balance as at 31.12.2021	79,421,846
Provision for Depreciation:	
Balance as at 01.01.2021	35,424,832
Error Correction	(10)
Add: Depreciation During the Year	3,232,013
Balance as at 31.12.2021	38,656,835
Carrying Value as at 31.12.2021	40,765,012
Carrying Value as at 31.12.2020	39,410,551

NOTES TO THE FINANCIAL STATEMENTS

NOTE 07 CONSTRUCTION WORK IN PROGRESS

Description									Rs.
	Canteen Building	Wash Room Block	Research Floor Area	Interior Design for Lab	Fire Protection System	Roof Top (05th Floor)	Computer Lab (Ground Floor)	East Wing (01st Floor)	Total Rs.
Balance as at 01.01.2021	62,000	7,640,116	5,578,812	104,000	4,492,634	-	-	-	17,877,561
Add: Additions During the Year	95,000	13,619,212	919,528	156,000	3,227,671	7,454,277	7,253,460	12,800,284	45,525,433
Transfer During the Year	200,000	(200,000)	-	(260,000)	-	-	260,000	-	-
Less: Transferred to Property, Plant & Equipment	-	(21,059,328)	-	-	-	-	-	-	(21,059,328)
Balance As at 31.12.2021	357,000	-	6,498,339	-	7,720,305	7,454,277	7,513,460	12,800,284	42,343,666

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 08 LIBRARY BOOKS & PERIODICALS

Description	Library Books & Periodicals Rs
Cost:	
Balance as at 01.01.2021	12,712,904
Add: Purchases During the Year	1,500
Less: Disposal During the Year	-
Balance as at 31.12.2021	12,714,404
<i>Provision for Depreciation:</i>	
Balance as at 01.01.2021	10,593,752
Add: Depreciation During the Year	723,995
Less: Disposal During the Year	-
Balance as at 31.12.2021	11,317,747
Carrying Value Value as at 31.12.2021	1,396,658
Carrying Value Value as at 31.12.2020	2,119,153

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 09 PROPERTY, PLANT AND EQUIPMENT

Description	Laboratory, Studio & Teaching Equipment Rs	Furniture & Fittings Rs	Office Equipment Rs	Computer & Network Equipment Rs	Electrical & Maintenance Equipment Rs	Motor Vehicles Rs	Buildings Rs	Electricity Connection- Rs	Water Supply System Rs	Total Rs
Cost:										
Balance C/ F as at 01.01.2021	355,447,146	69,212,761	261,327,351	-	-	11,450,000	544,355,757	24,023,353	22,808,402	1,288,624,770
Revaluation Error Correction	(69,083,544)	(4,171,810)	(19,083,430)	-	-	-	-	-	-	(92,338,783)
Adjustment For the FAR	(215,901,675)	(2,944,278)	(129,486,155)	288,717,804	5,210,140	-	-	-	-	(54,404,163)
Corrected Balance as at 01.01.2021	70,461,927	62,096,673	112,757,767	288,717,804	5,210,140	11,450,000	544,355,757	24,023,353	22,808,402	1,141,881,823
Purchased During the Year	1,300,262	10,641,837	3,951,971	7,092,846	70,114.53	-	-	-	-	23,057,030
Transferred From Working Progress	-	-	-	-	-	-	21,059,328	-	-	21,059,328
Addition due to Revaluation	13,441,185	14,294,741	18,217,427	41,721,271	2,796,371	-	-	-	-	90,470,994
Disposal During the Year	(3,160,984)	(640,867)	(12,094,453)	(5,198,286)	(7,300)	-	-	-	-	(21,101,889)
Transferred Due to Revaluation	(59,971,601)	(36,189,499)	(69,035,667)	(246,235,694)	(4,828,326)	-	-	-	-	(416,260,787)
Balance as at 31.12.2021	22,070,789	50,202,885	53,797,044	86,097,941	3,241,000	11,450,000	565,415,085	24,023,353	22,808,402	839,106,499
Provision for Depreciation:										
Balance C/ F as at 01.01.2021	310,869,941	35,487,090	179,950,465	-	-	-	117,000,140	2,711,678	4,561,680	650,580,994
Revaluation Error Correction	(69,083,544)	(4,171,810)	(19,083,430)	-	-	-	-	-	-	(92,338,783)
Adjustment For the FAR	(187,762,452)	375,650	(93,015,634)	224,829,085	3,899,532	-	-	-	-	(51,673,819)
Corrected Balance as at 01.01.2021	54,023,945	31,690,930	67,851,402	224,829,085	3,899,532	-	117,000,140	2,711,678	4,561,680	506,568,392
Depreciation During the Year	8,982,431	5,045,995	13,184,942	26,523,394	935,980	2,290,000	28,103,434	2,402,336	2,280,840	89,749,353
Disposal During the Year	(3,034,775)	(547,427)	(12,000,677)	(5,116,785)	(7,186)	-	-	-	-	(20,706,850)
Transferred Due to Revaluation	(59,971,601)	(36,189,499)	(69,035,667)	(246,235,694)	(4,828,326)	-	-	-	-	(416,260,787)
Balance as at 31.12.2021	-	-	-	-	-	2,290,000	145,103,573	5,114,014	6,842,520	159,350,107
Carrying Value as at 31.12.2021	22,070,789	50,202,886	53,797,044	86,097,941	3,241,000	9,160,000	420,311,512	18,909,339	15,965,882	679,756,392
Carrying Value as at 31.12.2020	44,577,205	33,725,671	81,376,886	-	-	11,450,000	427,355,617	21,311,675	18,246,722	638,043,775

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 10 INTANGIBLE ASSETS

Software	Rs. 2021	Rs. 2020
Cost:		
Balance as at 01.01.2021	36,104,346	36,104,346
Addition due to Revaluation	2,335,000	-
Acquired During the Year	-	-
Transferred Due to Revaluation	(11,100,691)	-
Disposal During the Year	(16,926,824)	-
Balance as at 31.12.2021	10,411,831	36,104,346
Amortization:		
Balance as at 01.01.2021	21,524,023	16,627,945
Acquired During the Year	-	-
Transferred Due to Revaluation	(11,100,691)	-
Amortized During the Year	2,082,367	4,896,078
Disposal During the Year	(10,423,331)	-
Balance as at 31.12.2021	2,082,367	21,524,023
Carrying Value as at 31st December	8,329,464	14,580,323

NOTE - 11 OTHER CURRENT LIABILITIES

AS AT 31 ST DECEMBER	2021 Rs.	2020 Rs.
Stamp Duty Payable	18,300	16,325
Prof. Athula Ginige A/C	389,911	389,911
Amalgamated Club Fee	688,700	490,300
Student Union	1,165,051	966,651
Student Charter Fee	93,300	58,700
VSS Grant Received	21,000	21,000
Refundable Library Deposits - M.Sc.	4,110,000	4,110,000
Refundable Library Deposits - M.Phil	77,500	77,500
Other Refundable Deposits	10,000	129,000
Refundable Bid Security	-	45,000
Career Fair	98,349	98,349
Network Operating Centre Payable	423,500	423,500
Provision for Audit Fee	1,435,475	2,544,675
Salaries Payable	3,436,500	4,663,570
Accrued Expenses	2,809,068	12,618,497
Other Payable	4,156,885	-
University Provident Fund Payable	560,413	921,591
Staff Insurance Recovery	101,340	100,885
Medical Fee	2,671,301	2,175,301
HETC Project Advance	3,630,711	3,616,245
Employees' Trust Fund Payable	78,062	143,224
Employees' Provident Fund Payable	72,081	130,873
Provision for Electricity	1,342,332	1,342,332
Welfare Allocation	1,044,240	2,015,750
Annual Maintenance Fee	1,454,000	1,544,000

NOTES TO THE FINANCIAL STATEMENTS

Payable to Faculty of Science - UOC	-	2,464,689
Provision for Rent - Kohuwala Hostel	-	629,000
Provision for Telephone Bills	-	56,840
Provision for Fuel Rent	-	22,700
Cancelled Cheque	-	232,160
Canteen Deposit	75,000	75,000
TOTAL	29,963,020	42,123,569

NOTE - 12 DEFERRED INCOME

AS AT 31 ST DECEMBER	2021 Rs.	2020 Rs.
Advance Received on Courses	132,049,525	139,367,003
Library Fee Received in Advanced	-	960,000
Total	132,049,525	140,327,003

NOTE 12.1 DEFERRED INCOME UNDER CURRENT LIABILITY

Advance Received on Courses	116,987,025	119,975,336
Library Fee Received in Advanced	-	960,000
Total	116,987,025	120,935,336

NOTE 12.2 DEFERRED INCOME UNDER NON-CURRENT LIABILITY

Advance Received on Courses	15,062,500	19,391,667
Total	15,062,500	19,391,667

NOTE - 13 PROVISION FOR GRATUITY

AS AT 31 ST DECEMBER	Undergraduate Rs	eLC Rs	Total Rs
Balance as at 01.01.2020	101,848,915	256,896	102,105,810
Adjustments / Transferred During the Year	349,692	(37,686)	312,006
Additions During the Year	12,893,778	-	12,893,778
Payments During the Year	(2,492,166)	-	(2,492,166)
Balance as at 31.12.2020	112,600,218	219,210	112,819,428
Adjustments / Transferred During the Year	219,210	(219,210)	-
Additions During the Year	15,558,047	-	15,558,047
Actuarial Gain	(13,419,164)	-	(13,419,164)
Payments During the Year	(11,801,644)	-	(11,801,644)
Balance as at 31.12.2021	103,156,667	-	103,156,667

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 14 ACCUMULATED FUND – CAPITAL

<i>AS AT 31ST DECEMBER</i>	2021 Rs.	2020 Rs.
Balance Beginning of the Year	726,439,363	810,981,142
Capital Surplus / (Deficit) During the Year	(23,787,728)	(58,893,549)
Difference Between Amortization and Depreciation in 2019	-	(25,648,230)
Transferred During the Year	3,508,706	-
Balance Ending of the Year	706,160,342	726,439,363

NOTE 14.1 CAPITAL GRANT SPENT AND UNSPENT

NOTES TO THE FINANCIAL STATEMENTS

AS AT 31ST DECEMBER	Capital Surplus as at 01.01.2020	Difference between Amortization and Depreciation in 2019	Depreciation and Amortization during the year	Adjustment during the year	Revenue from Non exchange transaction - Capital	Contribution to capital outlay from Project & Generated Funds	Capital Expenditure During the year	Capital Surplus as at 31.12.2020
Capital Grant Spent								
Capital Grant Spent	809,312,654	(25,648,230)	(101,274,049)	-	-	-	41,584,964	723,975,338
Subtotal	809,312,654	(25,648,230)	(101,274,049)	-	-	-	41,584,964	723,975,338
Capital Grant Unspent								
Rehabilitation and Improvement of Capital Assets	-	-	-	-	15,000,000	-	(15,000,000)	-
Acquisition of Fixed Asses and Constructions	724,862	-	-	-	8,000,000	-	(8,724,863)	-
Generated Funds for Capital Assets	943,628	-	-	-	-	19,371,000	(17,850,601)	2,464,027
Common Project Grants	-	-	-	-	9,500	-	(9,500)	-
Subtotal	1,668,491	-	-	-	23,009,500	19,371,000	(41,584,964)	2,464,027
Grand Total	810,981,142	(25,648,230)	(101,274,049)	-	23,009,500	19,371,000	-	726,439,363

NOTES TO THE FINANCIAL STATEMENTS

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

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 15 RESERVES

<i>AS AT 31ST DECEMBER</i>	2021 Rs.	2020 Restated Rs.
Balance as at 01.01.2021	703,379,156	537,273,315
Transfer to Capital Surplus	-	25,648,230
Prior Year Adjustments	-	(1,036,237)
Adjustment for Provision of Gratuity	-	37,686
Transfer from Revaluation Reserve	3,330,706	-
Surplus / (Deficit) for the Year	207,157,928	141,456,162
Balance as at 31.12.2021	913,867,790	703,379,156

NOTE 16 PROJECT GRANTS

<i>AS AT 31ST DECEMBER</i>	2021 Rs.	2020 Rs.
Opening Balance	5,792,698	9,389,299
Grant Received During the year	8,788,468	2,100,000
	14,581,166	11,489,299
Less: Grant spent During the Year	(2,354,966)	(5,696,601)
Total	12,226,200	5,792,698

NOTE 17 REVALUATION RESERVE

Description	Lab, Studio & Teaching Equipment	Office Equipment	Furniture & Fittings	Computer & Network Equipment	Electric & Maintenance Equipment	Motor Vehicles	Software	Total Rs.
Opening Balance as at 01.01.2021	21,588,544	6,100,242	4,816,712	-	-	13,425,000	-	45,930,497
Category Change Due to Restructure FAR	(13,405,910)	(714,275)	(3,681,009)	14,348,940	3,452,253			-
Corrected Opening Balance as at 01.01.2021	8,182,634	5,385,967	1,135,703	14,348,940	3,452,253	13,425,000	-	45,930,497
Add: Additions During The year Due to Revaluation	13,441,185	18,217,427	14,294,741	41,721,271	2,796,371	-	2,335,000	92,805,995
Less: Transferred to Current Surplus Due to Restructure FAR	(661,574)	(369,834)	(29,605)	-	-	-	-	(1,061,013)
Transferred to Capital Surplus due to Restructure FAR	(1,474,677)	(689,229)	(1,344,799)	-	-	-	-	(3,508,706)
Transferred to Current Surplus Due to Derecognition of Assets -Normal Disposal	(822,009)	(609,846)	(27,559)	(539,531)	-	-	-	(1,998,945)
Transferred to Current Surplus Due to Derecognition of Assets - Quick Disposal	(132,633)	(104,876)	(1,965)	(26,074)	(5,200)	-	-	(270,748)
Ending Balance as at 31.12.2021	18,532,925	21,829,608	14,026,516	55,504,607	6,243,424	13,425,000	2,335,000	131,897,080

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 18 RESTRICTED FUNDS

<i>AS AT 31ST DECEMBER</i>	2021 Rs.	2020 Restated Rs.
BIT Award	61,189	55,669
Allocation for BIT Development	43,776,427	32,901,187
Prof V.K. Samaranayaka Award	253,457	248,635
Prof V.K. Samaranayaka Endowment Fund	18,863,543	17,879,683
Doner Fund for Disable Student	30,054	30,054
Allocation for Research & Development	157,776,863	152,595,651
JICA Award	164,078	164,078
THA De Zoysa Award	269,864	251,612
Allocation for Equipment Replacement	2,315,411	2,315,411
Best e Lerner Award	345,595	326,391
Staff Development Allocation	16,631,473	16,052,618
Virtusa Academic Excellence	358,679	339,577
Sheoria Robustra Scholarship - 1	824,963	820,961
Sheoria Robustra Scholarship - 2	858,507	819,756
Allocation for Student's Distress Fund	7,992,286	6,816,833
Best Performance Award -Motorola	177,855	174,305
Best Performance Award -IFS	173,683	169,127
Best Performance Award -Sampath Bank	176,199	174,549
Prof.Mohan Munasinghe Award -1	73,475	72,329
Prof.Mohan Munasinghe Award -2	72,389	70,171
CINTEC Award	132,382	129,399
David Peiris Medal	786,700	767,590
Mrs. Soma Gunathilake Memorial Award	276,677	265,144
Mrs. Wimala Jayarathne Memorial Award	291,155	275,212
Scholarship from Other Parties	35,000	64,500
Bond Value Recovery A/C	28,953,250	17,790,425
Allocation Medical Scheme	7,025,426	8,513,470
Allocation for UCSC Infrastructure Development	2,410,329	4,548,580
TOTAL	291,106,911	264,632,918

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 19 - INTER UNIT CURRENT ACCOUNTS

AS AT 31 ST DECEMBER	Undergraduate	ADMTC	Postgraduate	EDC	CSC	ICTer	eLC	Projects (Common)	Total
Debit Entries									
Undergraduate	-	-	164,431,150	84,954,851	15,500,929	-	1,822,589	-	266,709,519
Postgraduate	-	224,750	-	-	5,545,063	-	-	2,019,250	7,789,063
EDC	-	-	5,034,101	-	-	-	18,115,446	10,500	23,160,047
CSC	-	-	-	6,662,123	-	-	112,000	1,422,520	8,196,643
ADMTC	11,041,797	-	-	2,008,558	557,952	-	-	-	13,608,307
eLC	-	2,500	-	-	-	-	-	692,693	695,193
ICTer	190,301	-	100,000	-	-	-	5,000	-	295,301
Projects (Common)	613,586	57,363	-	-	-	-	-	-	670,949
Total	11,845,685	284,613	169,565,251	93,625,531	21,603,945	-	20,055,035	4,144,963	321,125,023
Credit Entries									
Undergraduate	-	11,041,797	-	-	-	190,301	-	613,586	11,845,685
Postgraduate	164,431,150	-	-	5,034,101	-	100,000	-	-	169,565,251
EDC	84,954,851	2,008,558	-	-	6,662,123	-	-	-	93,625,531
CSC	15,500,929	557,952	5,545,063	-	-	-	-	-	21,603,945
eLC	1,822,589	-	-	18,115,446	112,000	5,000	-	-	20,055,036
ADMTC	-	-	224,750	-	-	-	2,500	57,363	284,613
Projects (Common)	-	-	2,019,250	10,500	1,422,520	-	692,693	-	4,144,963
ICTer	-	-	-	-	-	-	-	-	-
Total	266,709,520	13,608,307	7,789,063	23,160,047	8,196,643	295,301	695,193	670,949	321,125,023

NOTES TO THE FINANCIAL STATEMENTS

NOTE -20 - SEGMENT INFORMATION

Year Ended 31 st December 2021	Undergraduate	Postgraduate	External Degree Centre	Computing Service Centre	e Learning Centre	Advance Digital Media Technology Centre	Projects	ICTer Conference	Total
Revenue - Recurrent	392,180,000	108,007,342	99,359,903	10,613,644	6,646,650	3,767,000	2,354,966	1,581,023	624,510,528
Bursary Income	4,946,100	-	-	-	-	-	-	-	4,946,100
Interest Income	6,104,264	21,430,101	24,693,399	2,438,896	6,350,913	849,542	1,899,283	438,824	64,205,222
Other Income	65,476,706	1,700,261	1,549,236	2,252	270,000	1,000	-	-	68,999,454
Total Revenue	468,707,070	131,137,704	125,602,537	13,054,792	13,267,563	4,617,542	4,254,249	2,019,847	762,661,304
Personnel Emoluments	269,779,146	377,748	797,842	115,000	1,892,193	-	-	-	272,961,929
Travelling	173,702	100	1,600	150	1,030	280	-	1670	178,532
Supplies	6,408,431	279,355	1,239,545	73,457	55,279	144,376	-	-	8,200,443
Contractual Services	29,719,386	425,506	636,670	89,311	326,826	57,884	-	-	31,255,584
Retirement Benefits	56,584,275	-	67,663	-	192,241	-	64,305	-	56,908,483
Other Recurrent Expenditure	22,861,077	62,150,421	70,282,374	12,284,984	4,892,203	4,455,952	2,592,732	1,532,561	181,052,304
Bursary Payments	4,946,100	-	-	-	-	-	-	-	4,946,100
Total Expenses	390,472,118	63,233,130	73,025,693	12,562,902	7,359,771	4,658,493	2,657,037	1,534,231	555,503,376
<i>Surplus/ (Deficit)</i>	78,234,952	67,904,573	52,576,844	491,890	5,907,792	(40,951)	1,597,212	485,616	207,157,928
Total Assets	905,487,371	793,688,116	624,588,455	74,828,122	146,068,775	18,284,795	85,085,374	10,131,019	2,658,162,027
Total Liabilities	392,805,588	111,402,721	57,107,737	9,994,623	4,531,070	14,409,357	4,157,570	339,326	594,747,992

NOTES TO THE FINANCIAL STATEMENTS

NOTE 20 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 on every year by UCSC. 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.

Professional Development Center (PDC) - This unit was established to ensure the quality of career competencies of UCSC undergraduates by enhancing professional skills, morality, ethical awareness and ethical behavior. The center will offer training/awareness programs for UCSC undergraduates on current trends in the IT industry, industrial practices and career paths in various disciplines. All the Assets and Liabilities of The PDC Center were transferred to the Undergraduate unit in the year 2021 with the approval of the Board of Management.

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

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 21 OTHER DISCLOSURES

21.1 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 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.

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

21.3 During the year Invoiced Amount of Rs. 961,992.79 were written off with the recommendation of Finance and Management Committee and with the approval of Board of Management due to non-recoverability and Rs. 25/- was written off on the approval of the Deputy Bursar (Which was previously charged as Stamp Duty) and altogether Invoiced Amount of Rs. 962,017.70 were written off during the year under the CSC Unit.

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

S/N	Name of the Complainer	Case	Case Filed by	Court	Current status
1	Mr. SADSP Jayathilake Former Lecturer (Probationary), UCSC	LT2/ 473/2014	Mr. SADSP Jayathilake Former Lecturer (Probationary), UCSC	Labour Tribunal	Case Lay-by
2	Mr. S J Paheerathan	DMR/07902/10	UCSC	District Court	Pending
3	Mr. S D Muthukudarachchi	MC Cases No:24024/01/2015 41686/01/2015 41685/01/2015	Fraud Bureau	Colombo Chief Magistrate's Court	Pending

NOTES TO THE FINANCIAL STATEMENTS

21.5 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 (Rs.)	Total Value of Bond & Other Dues to the UCSC (Rs.)	Amount Received as at 31.12.2021 (Rs.)	Due amount as at 31.12.2021 (Rs.)	Action which have been taken During the year to Recover Cash
1.	Mr. SJ Paheerathan	Vacation of Post 11.01.2004	2,913,047.75	3,615,837.00	2,338,974.59	1,276,862.41	Legal Case No. DMR/07902/10 filled the Colombo District Magistrate Court against Mr. SJ Paheerathan
2.	Mr. R Senanayake Lecturer (Probationary)	Vacated of Post 01.01.2006	716,831.40	2,333,301.14	510,175.01	1,823,126.13	Informed Attorney General Department to take legal action against Mr. R. Senanayake
3.	Mr. HM Siriwardana Lecturer (Probationary)	Vacated of Post 01.01.2018	4,781,357.50	7,722,274.08	2,237,838.93	5,484,435.15	Initiated to recover balance available at the University Pension Fund to the Credit of Mr. HM Siriwardana
4.	Ms. RMPN Somaratne Lecturer (Probationary)	Resignation 01.04.2021	8,506,097.31	9,755,378.27	9,148,185.31	607,192.96	Initiated to recover balance available at the University Pension Fund to the Credit of Ms. RMPN Somaratne
5.	Mr. RAHD Perera Lecturer (Probationary)	Vacated of Post 28.11.2021	8,106,416.10	10,297,248.10	–	10,297,248.10	Informed to settle the bond amount to Mr. RAHD Perera

NOTES TO THE FINANCIAL STATEMENTS

NOTE 22 RELATED PARTY TRANSACTION

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

NOTE 23 CORRECTION OF ACCOUNTING ERRORS

- *Interest Receivable amounts of Rs. 1,185,479.82 and 1,169,673.55 respectively in year 2019 and 2020 in the Research Fund of Postgraduate Unit was adjusted to the Accounts.*

Description	Corrected Opening Balance as at 01.01.2020 Rs.	Ending Balance as at 31.12.2020 Balance Rs.	Effect for year 2020 Rs.	Corrected Ending Balance as at 31.12.2020 Rs.
Increase in Interest Receivable	38,634,648.92	41,782,966	1,169,673.55	44,138,119.37
Increase in Research Fund – Postgraduate Unit	144,713,641.26	150,036,567.31	1,169,673.55	152,391,720.68

Accordingly, the Research Fund Balance of the Combined Financial Statement was increased by Rs. 2,355,153.37 and Interest Receivable increased by Rs. 2,355,153.37.

- *Scholarship Grant of Rs. 30,000 .00 previously recognized as Income in the Undergraduate Unit was transferred to scholarships from other party Account during the year.*

Description	Previous Balance Rs.	Effect Rs.	Corrected Balance Rs.
Increased Scholarship from other Parties	34,500.00	30,000.00	64,500.00
Decreased Miscellaneous Income	407,545.00	(30,000.00)	377,545.00

Accordingly, in the Combined Financial statements Net Surplus was decreased by Rs 30,000.00 and Restricted Fund increased by Rs. 30,000.00

- *Interest receivable amount of Rs. 6,768. 54 which was included in the eLearning Center Interest income and amount of Rs. 158,219.18 has been transferred to the Best eLerner Fund and BIT Development Fund respectively for the year 2020.*

NOTES TO THE FINANCIAL STATEMENTS

Description	Previous Balance as at 31.12.2020 Rs.	Effect Rs.	Corrected Balance as at 31.12.2020 Rs.
E Learning Centre			
Increased Best e Learner Fund	319,621.98	6,768. 54	326,390.52
Decreased Interest Income – Elc	8,953,453.36	(6,768. 54)	8,946,684.82
External Degree Centre			
Increased in BIT Development Fund	32,742,968	158,219.18	32,901,187.18
Decreased Interest Income – BIT	38,262,874.68	(158,219.18)	38,104,655.50

Accordingly, in the Combined Financial statements Net Surplus was decreased by Rs 164,987.72 and Restricted Fund increased by Rs. 164,987.72

NOTE 24 RESTRUCTURE OF FIXED ASSETS REGISTER

- *The opening balances of Lab and studio, Furniture and Fittings and Office equipment cost and Accumulated Depreciation have been restated as follows in order to correct the revaluation journal entry passed in 2016 and the other adjustments made due to restructuring of the Fixed Assets Register (FAR).*

Category	Opening Balance as at 01.01.2021	Adjusted Due to correct 2016 Revaluation Rs.	Adjusted Due to Restructure FAR* Rs.	Opening Balance after the Adjustment as at 01.01.2021 Rs.
Cost				
Lab & Studio Equipment Cost	355,447,145.99	(69,083,543.86)	(215,901,674.81)	70,461,927.32
Furniture & Fitting Cost	69,212,760.50	(4,171,809.68)	(2,944,277.84)	62,096,672.98
Office Equipment Cost	261,327,351.10	(19,083,429.68)	(129,486,154.77)	112,757,766.65
Computer & Network Equipment	-	-	288,717,803.69	288,717,803.69
Electrical & Maintenance Equipment	-	-	5,210,140.30	5,210,140.30
Accumulated Depreciation				
Lab & Studio Equipment Acc. Depreciation	310,869,941.07	(69,083,543.86)	(187,762,451.82)	54,023,945.39
Furniture & Fitting Acc. Depreciation	35,487,089.71	(4,171,809.68)	375,650.39	31,690,930.42
Office Equipment Acc. Depreciation	179,950,465.45	(19,083,429.68)	(93,015,633.90)	67,851,401.87
Computer & Network Equipment	-	-	224,829,084.64	224,829,084.64

Electrical & Maintenance Equipment	-	-	3,899,531.69	3,899,531.69
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NOTES TO THE FINANCIAL STATEMENTS

*Following Amounts have been adjusted to as a result of restructure of Fixed Assets Register.

Cost of the Adjusted items

Category	Office Equipment	Furniture & Fittings	Lab. Equipment	Total Rs.
Cloak	739,200.00			739,200.00
Key Board & Mouse	66,750.00		283,525.00	350,275.00
Auction List	6,143,817.72	916,615.82	6,956,221.89	14,016,655.43
Museum Items	464,500.00		5,482,800.00	5,947,300.00
Consumables	2,320,368.30	221,336.64	4,257,773.46	6,799,478.40
Remaining Items	9,413,075.89	3,642,975.06	13,495,193.52	26,551,244.47
Total	19,147,711.91	4,780,927.52	30,475,513.87	54,404,153.30

Depreciation of the Adjusted Items

Category	Office Equipment	Furniture & Fittings	Lab. Equipment	Total Rs.
Cloak	739,200.00	-	-	739,200.00
Key Board & Mouse	66,750.00	-	283,525.00	350,275.00
Auction List	6,143,817.72	916,615.82	6,956,221.89	14,016,655.43
Museum Items	464,500.00	-	5,482,800.00	5,947,300.00
Consumables	2,113,224.89	178,373.88	3,226,166.44	5,517,765.21
Remaining Items	9,275,230.06	2,627,139.93	13,200,258.05	25,102,628.04
Total	18,802,722.67	3,722,129.63	29,148,971.38	51,673,823.68
Net Book Value	344,989.24	1,058,797.89	1,326,542.49	2,730,329.62

NOTES TO THE FINANCIAL STATEMENTS

In addition, under new categorization of Fixed Assets below adjustments were made.

Cost		
	Dr	Cr
Furniture & Fitting	1,836,649.68	
Computer & Network Equipment	288,717,803.69	
Electrical & Maintenance Equipment	5,210,140.30	
Write off	10.13	
Lab & Teaching		185,426,160.94
Office Equipment		110,338,442.87
	295,764,603.80	295,764,603.81
Acc. Depreciation		
Lab & Teaching	158,613,480.44	
Office Equipment	74,212,911.23	
Furniture & Fitting		4,097,780.02
Computer & Network Equipment		224,829,084.64
Electrical & Maintenance Equipment		3,899,531.69
Write off	4.68	
	232,826,396.36	232,826,396.36

NOTE 25.1 RE-CLASSIFICATIONS TO ACCUMULATED FUND

UCSC adopted and applied SLPSAS 11 – Revenue from Non-Exchange transaction standard with effect from the year 2021 onwards on a prospective basis. To harmonize the presentation of financial statements, comparative figures in relation to spent capital grant, capital grant unspent, gift and donations were reclassified in to “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.

NOTES TO THE FINANCIAL STATEMENTS

Accordingly, the year 2020 data were restated as follows.

Effect of the Combined Financial Statement 2020

Accumulated Fund – Current (General Reserve)	Dr13,456,694.63
Capital Grant Spent Generated Fund	Cr10,079,154.00
Project Grant spent	Cr 3,377,540.63

Being transfer Capital Grant spent transferred to General reserve in to ADMTC, CSC, ELc, Project Units in to Capital Surplus due to re-classification of Reserves as per SLPSAS 11.

Capital Grant – Spent 101	Dr 4,323,635.00
Capital Grant – Spent 102	Dr 21,324,595.00
Accumulated Fund -Current (General Reserve)	Cr25,648,230 .00

Being transfer difference between Amortization (Deferred Income) and Depreciation in 2019 from Capital Surplus A/C to Accumulated Fund due to re-classification as per SLPSAS 11.

Accumulated Fund -Current (General Reserve)	Dr 63,103,253
Capital Grant - Spent 101	Cr 1,290,427.00
Capital Grant - Spent 102	Cr 61,103,745.00
IT Grant Spent	Cr 709,081.00

Being reverse Amortization (Deferred Income) in 2020 to Capital Surplus A/C due to re-classification as per SLPSAS 11.

Accumulated Fund -Current (General Reserve)	Dr 671,958.72
Project Grant - Spent	Cr 566,173.72
N Elc. Grant Spent	Cr71,855.00
UGC Grant Spent	Cr 33,930.00

Being reverse Amortization (Deferred Income) in 2020 to Capital Surplus A/C due to re-classification as per SLPSAS 11.

NOTES TO THE FINANCIAL STATEMENTS

Capital Grant – Spent 101 Dr 93,523,207.88

Capital Grant – Spent 102 Dr 7,750,841.15

Accumulated Fund -Current (General Reserve) Cr101,274,049.03

Being reverse Depreciation in 2020 to Capital Surplus A/C due to re-classification as per SLPSAS 11.

Effects to the Individual Units A/C 2020 are below indicated.

ADMTC

Accumulated Fund- Current Dr 3,253,153.00

UG Current A/C Cr 3,253,153.00

Being transfer Capital Grant Spent transferred to General Reserve in to U G Unit Capital Surplus due to re-classification of Reserves as per SLPSAS 11.

CSC

Accumulated Fund- Current Dr 9,663,644.00

UG Current A/C Cr 9,663,644.00

Being transfer Capital Grant Spent transferred to General Reserve in to UG Unit Capital Surplus due to re-classification of Reserves as per SLPSAS 11.

eLC

Accumulated Fund- Current Dr 402,510.00

UG Current A/C Cr 402,510.00

Being transfer Capital Grant Spent transferred to General Reserve in to UG Unit Capital Surplus due to re-classification of Reserves as per SLPSAS 11.

Project

Accumulated Fund- Current Dr137,386.63

UG Current A/C Cr137,386.63

Being transfer Capital Grant Spent transferred to General Reserve in to UG Unit Capital Surplus due to re-classification of Reserves as per SLPSAS 11.

Accumulated Fund -Current (Undergraduate) Dr 2,182,535.00

Capital Grant Spent – Generated Fund Cr 106,821.00

Project Grant Spent Cr2,075,714.00

Being correction of Capital Grant Spent transferred (Net Asset Value) to General Reserve in the UG Unit in last year.

NOTES TO THE FINANCIAL STATEMENTS

NOTE 25.2 IMPACT TO THE COMBINED STATEMENT OF FINANCIAL PERFORMANCE DUE TO ADOPT SLPSAS 11 AND OTHER ERRORS CORRECTIONS

Description	Amount Rs.
Surplus Before Restated for the Year Ended 31.12.2020	104,152,311.95
Error Adjustment of Scholarship Fee in the Miscellaneous Income	(30,000.00)
Remove Amortization of Government Grant due to adopted SLPSAS 11	(63,775,210.77)
Remove Interest Income of BIT Development funds from EDC Net Surplus	(158,219.18)
Remove Interest Income of Best e Learner funds from e LC Net Surplus	(6,768.54)
Remove Depreciation & Amortization due to adopted SLPSAS 11	101,274,049.03
Adjusted Current Surplus After Restated for the Year Ended 31.12.2020	141,456,162.49
Capital Grant Received	23,009,500.00
Generated Fund for Capital	19,371,000.00
Adjustment of Depreciation & Amortization Expenses	(101,274,049.03)
Total Capital Surplus	(58,893,549.03)
Current Surplus After Restated for the Year Ended 31.12.2020	141,456,162.49
Capital Surplus for the Year Ended 31.12.2020	(58,893,549.03)
Total Surplus for the Year Ended 31.12.2020	82,562,613.46

Under the Combined Cashflow Statement Surplus for the year 2020 also changed as Rs. 82,562,613.46 and removed Amortization of Government Grant of Rs. 63,775,211 as a result of above restatement. In addition (Increased) / Decreased in receivable & Pre- Payments amount of Rs (689,268) divided as (Increased) / Decreased in receivable & Pre- Payment and as (Increased) / Decreased in Staff Loan receivable as (369,079) and (320,190) respectively. Apart from that Net Receipts of Restricted Fund have been increased from Rs. 6,249,149 to Rs. 6,279,149 as a result of Scholarship Fund error correction amount of Rs. 30,000.00.

NOTES TO THE FINANCIAL STATEMENTS

NOTE 26 SUSTAINABLE DEVELOPMENT GOALS DISCLOSURE

26.1 Sustainable Development Agenda Goal No. 01. No poverty, fulfills the most basic needs. To achieve this goal, Mahapola Trust Fund granted scholarships to 275 undergraduates amounting to Rs. 9.97 Mn. The University Grants Commission granted Bursaries to 164 undergraduates amounting Rs. 4.9Mn. and UCSC granted 26 scholarships to the undergraduates amounting Rs. 1.4Mn. in the year 2021 for those who were at the lower income level.

26.2 Programms were initiated to provide Good Health and well-being to the UCSC staff. 125 No. of employees benefitted under the staff medical welfare scheme in 2021 by spending Rs. 7.3Mn. This covers the Sustainable Development Agenda Goal No. 03, Good Health and Well-being. The staff

26.3 A Successful Sustainable Development Agenda Goal No. 08 Decent work and Economic Growth requires decent work opportunities for people to stimulate the economy. Accordingly, in the year 2021, University of Colombo School of Computing provided higher education for 998 youth in the country and UCSC invested an average of Rs.459,615 per student.

26.4 To provide good quality education for youth and UCSC sustainability increased well qualified teachers by facilitating teacher training through International Corporation and Collaboration. In 2021 UCSC has spent Rs7.39Mn. on research work. This covers Sustainable Development Agenda Goal No. 04, Quality Education.

26.5 To provide quality education for youth and UCSC sustainability, increase its infrastructure facilities refurbishment and renovation of existing buildings, facilities, etc. Accordingly, UCSC has spent Rs. 73.17 Mn. on renovation and other infrastructure facilities during the year. This also covers Sustainable Development Agenda Goal No. 04, Quality Education.

NOTES TO THE FINANCIAL STATEMENTS

<i>FOR THE YEAR ENDED 31ST DECEMBER</i>	2021	2020 Restated
	Rs	Rs

NOTE 27 INTEREST INCOME

Interest on Loan and Advances	737,385	728,523
Interest on Investment	2,562,548	1,032,542
Overnight Repo Interest Income	2,804,331	2,209,983
TOTAL	6,104,264	3,971,048

NOTE 28 OTHER INCOME

Miscellaneous Receipts	470,897	377,545
Selection Test Fees	1,924,069	2,437,000
Undergraduate Registration & ID Fee	687,700	629,200
Library Fine	1,984	5,913
Certificate Fee	1,126,714	567,724
Examination Fees	37,475	22,375
Library Fee	519,000	438,000
Course Fee - Foreign	1,183,260	-
Supplier Registration Fee	271,700	328,000
Non-Refundable Bid Deposits	303,500	79,000
TOTAL	6,526,299	4,884,758

<i>FOR THE YEAR ENDED 31ST DECEMBER</i>	2021	2020 Restated
	Rs	Rs

NOTE 29 NET REVENUE FROM EXTENSION COURSES

Postgraduate Programme-(PG)	67,904,573	78,868,174
External Degrees Centre -(EDC)	52,576,844	12,635,134
Computing Services Centre-(CSC)	491,890	913,708
eLearning Centre -(eLC)	5,907,792	14,232,714
Advanced Digital Media Technology Centre -(ADMTC)	(40,951)	804,353
Surplus from Extension Programmes	126,840,148	107,454,083

NOTES TO THE FINANCIAL STATEMENTS

<i>FOR THE YEAR ENDED 31ST DECEMBER</i>	2021 Rs	2020 Restated Rs
NOTE 30 NET REVENUE FROM PROJECTS		
Common Projects	1,597,212	2,579,148
ICTer Conference	485,616	781,965
<i>Surplus from Projects</i>	2,082,828	3,361,113

<i>FOR THE YEAR ENDED 31ST DECEMBER</i>	2021 Rs	2020 Rs
NOTE 31 PERSONAL EMOLUMENTS		
Salaries and Wages	127,210,091	124,228,348
Other Allowance	1,877,962	2,823,502
Academic Allowance	72,910,264	68,873,964
Special Allowance	16,671,927	15,984,994
Research Allowance	16,892,109	17,831,886
Cost of Living Allowance	16,643,370	16,007,933
Overtime & Holiday Pay	1,910,294	2,346,230
Monthly Compensation Allowance (MCA)	15,663,129	15,102,719
TOTAL	269,779,146	263,199,576

<i>FOR THE YEAR ENDED 31ST DECEMBER</i>	2021 Rs	2020 Rs
NOTE 32 TRAVELING EXPENSES		
Travelling Expenses - Local	173,702	126,512
Travelling Expenses- Foreign	-	-
TOTAL	173,702	126,512

FOR THE YEAR ENDED 31ST DECEMBER**2021
Rs****2020
Rs****NOTE 33 SUPPLIES**

Stationery & Office Requisites	5,622,319	5,987,937
Fuel & Lubricants	674,302	425,462
Uniforms & Tailoring Charges	10,800	5,400
Mechanical & Electrical Goods	101,010	139,989
TOTAL	6,408,431	6,558,788

NOTES TO THE FINANCIAL STATEMENTS**FOR THE YEAR ENDED 31ST DECEMBER****2021
Rs****2020
Rs****NOTE 34 CONTRACTUAL SERVICES**

Maintenance - Vehicles	442,872	356,704
Maintenance - Plant Machinery and Equipment	2,874,331	3,404,033
Maintenance - Buildings & Structures	578,938	371,785
Maintenance - Other	150,809	43,585
Communication Services	9,238,842	9,327,182
Electricity Services	7,892,107	9,618,889
Printing & Advertising	998,449	1,411,052
Cleaning Services	5,089,954	6,068,672
Security Services	2,256,693	1,782,274
Water	165,515	220,401
Rent & Hire Charges	14,750	5,000
Insurance & License	16,128	20,452
TOTAL	29,719,386	32,630,031

FOR THE YEAR ENDED 31ST DECEMBER**NOTE 35 RETIREMENT BENEFITS**

University Provident Fund 24,141,655		24,675,534
Employees' Trust Fund 6,644,812		6,878,722
Employees' Provident Fund	287,468	584,518
Pension	9,184,504	8,588,840
Gratuity	15,558,047	12,893,778
TOTAL	56,584,275	52,853,604

<i>FOR THE YEAR ENDED 31ST DECEMBER</i>	2021	2020
	Rs	Rs
<i>FOR THE YEAR ENDED 31ST DECEMBER</i>	2021	2020
	Rs	Rs
Holiday Warrant & Season Tickets	132,480	205,790
Special Services	1,443,427	1,018,178
Committee & Council	1,260,500	782,655
News Papers & Periodicals	23,190	70,150
Student Welfare	196,000	-
Employee Welfare	183,701	-
Audit Fees	550,000	1,434,400
Entertainment Expenses	495,230	955,107
Hostel -Expense	107,371	244,323
Hostel -Rent	2,641,500	2,450,625
Visiting Lecture Fee	567,000	882,073
Rates & Taxes	69,724	147,396
Subscriptions, Contributions, & Membership Fee	140,000	147,522
Staff Development	547,000	181,200
Non-Fixed Assets Disposal	-	12,816

NOTES TO THE FINANCIAL STATEMENTS

Property Loan Interest	113,831	133,577
Bank Charges	12,150	8,453
Bank Commission Charges	27,390	-
Examination Expenses	4,429,940	5,179,178
Awards & Indemnities	89,600	15,000
Workshops & Seminars	627,385	17,500
Consultancy Fee	-	50,000
Postal Charges	152,369	146,130
Quality Assurance Expenses	-	81,965
TOTAL	13,809,787	14,164,039

NOTE 37 DEPRECIATION AND AMORTIZATION

Furniture & Fittings	5,045,995	5,789,092
Laboratory, Studio & Teaching Equipment	8,982,431	24,595,567
Office Equipment	13,184,942	29,791,480
Electricity Connection	2,402,336	2,402,336
Water Supply System	2,280,840	2,280,840
Computer & Network Equipment	26,523,394	-
Electrical & Maintenance Equipment	935,980	-
Library Books and Periodicals	723,995	713,708
Rehabilitation & Improvement of Capital Assets	3,232,013	3,067,665
Vehicles	2,290,000	600,000
Buildings	28,103,434	27,217,786
	93,705,361	96,458,473
Software Amortization	2,082,367	4,815,576
TOTAL	95,787,728	101,274,049

**7. UCSC HIGHLIGHTS
2021 – VISIBILITY,
EVENTS AND
ACTIVITIES**

7. UCSC HIGHLIGHTS 2021 – VISIBILITY, EVENTS AND ACTIVITIES

The UCSC Web site is the main portal to communicate the key highlights of the institute. In 2021, 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 is informed to the Board of Management and the Senate of the University of Colombo to maintain the visibility of progress and issues of institutes. UCSC website is also linked with social networks to update the activities of the organization to the public. Because of the world pandemic most of UCSC meetings, lectures and other academic activities were carried out using zoom facilities. Following table shows the key highlights of 2021 with respect to each month.

7.1 MONTHLY HIGHLIGHTS - ACTIVITIES, EVENTS, AND PROGRAMMES

Month	Activities
January 2021	<ul style="list-style-type: none"> ● 1st - New Year Celebrations (online) ● 16th – Commencement of short term course on Hybrid Mobile Application Development with Flutter ● 21st - Inauguration ceremony of Computer Museum of University of Colombo to commemorate 100 years for Faculty of Science & Arts of UOC ● 24th - certificates were awarded for the participants who successfully completed short courses on Advanced Multimedia Web Design and Development Technique & JAVA Application Development using JavaSE via online mode ● 27th - Facilitated to hold meditation programme for Medical Faculty of UOC
February 2021	<ul style="list-style-type: none"> ● 5th - online Award Ceremonies were held for - Best Performance Awards for the Postgraduate Degree Programme & Faculty Awards and Director’s List awards for best performed students in the Undergraduate Degree Programme ● 6th - Awarded 24 certificates to the participants who successfully completed the short course on JAVA Application Development using JAVA SE ● 10th - Museum Felicitation ceremony and awarded certificates to the staff who contributed their services at a short period to establish the University of Colombo Computer Museum ● 13th - Awarded 19 certificates to the participants who successfully completed the short course on Hybrid Mobile Application ● 21st - Commencement of short course on Software Quality Assurance Using Test Automation Frameworks <p>Other activities</p> <ul style="list-style-type: none"> ● Semester examinations of external degree programme were held in Colombo, Kandy, Galle and Jaffna ● Internship monitoring via Zoom with interns and their respective supervisors ● FIT e-Tests based on the old syllabus by eLC using a remote proctoring approach
March 2021	<ul style="list-style-type: none"> ● 3rd - Workshop on new PABX system General User Training to the Staff

	<ul style="list-style-type: none"> ● 10th - Director/UCSC made a presentation on “Online Programmes for University Entrants” at the CVCD meeting ● 14th - Selection Test for Master programmes - 2020/ 2021 intake ● 29th - Training session on Fire Panel Operation to the staff of UCSC ● 2nd - Semester exams for internal undergraduates <p>Other activities</p> <ul style="list-style-type: none"> ● FIT e-Test for old syllabus Part II by eLC ● FIT e- Test for New syllabus from eLC ● Semester examinations of external degree programme in Colombo, Kandy, Galle and Jaffna
April 2021	<ul style="list-style-type: none"> ● 5th – 9th - Final Year Project Evaluation (Undergraduate) ● 7th - Signed the MOU with SLT-Mobitel for Research and Development Collaboration ● 8th & 9th - Carried out undergraduate registration for new intake from UGC (350 Students) ● 10th & 11th - Masters Semester 1 Examinations ● 20th – 22nd - Industrial Placement Viva for Undergraduate Students (PDC) - online ● 23rd - Commenced Final Year Project evaluations of BIT Degree programme and suspended on-site evaluation ● 27th - Inauguration of Undergraduate programme 2019/2020 (online) <p>Other activities</p> <ul style="list-style-type: none"> ● Orientation programme for New UG students (online) was held ● BIT Registration for Academic Year 2021 ● FIT e- Test for New syllabus from eLC
May, 2021	<ul style="list-style-type: none"> ● 1st – Commencement of online short courses – Graphic Design and Creative Development & Java Application Development using JavaSE ● 10th - Commenced the Academic Year 2021 for Internal Undergraduate programmes ● 15th - online selection interviews for Master of Information Security & Master of Business Analytics for yr 2021 ● 16th - online selection interviews for Master of Information Technology for yr 2021 ● 22nd - online selection interviews for Master of Computer Science for yr 2021 ● 22nd - Released the Level 1 results of BIT examination ● 22nd - Annual General Meeting of IEEE WIE Student Branch Affinity Group of UCSC was held ● 24th - The eligible list of Diploma in IT (DIT) was released ● 31st - The Storage System donated by Mobitel and Huawei Co. was received for academic activities of UCSC. <p>Other activities</p> <ul style="list-style-type: none"> ● BIT final year project viva (online) ● Orientation programme for new batch (online) was continued
June 2021	<ul style="list-style-type: none"> ● 5th - Officially concluded the academic activities of 2nd/ 4th semesters of master programmes ● 6th - Started the online short course on Advanced Multimedia web design & development techniques for 23 participants ● 12th - Conducted online examinations of the 3rd semester of Master of Cybersecurity programme ● 14th- Discussion was held with Ms. Piza about World Summit Awards (WSA) for Youth Innovation to promote among UCSC undergraduates ● 19th - Conducted online examinations of the 3rd semester of Master of Cybersecurity programme

	<ul style="list-style-type: none"> ● 19th - Awarded 10 certificates who have been successfully completed the short course on Graphic Design & Creativity Development (online) ● 23rd - The Library, University of Colombo – Webinar Series 2021 – 4 “Digital Transformation in Higher Education towards Hybrid Learning” by Prof. K. P. Hewagamage, Director UCSC https://lib.cmb.ac.lk/digital-transformation-in-higher-education-towards-hybrid-learning/ ● 25th - 5G Awareness Session from Dialog to UCSC Staff and Students https://www.youtube.com/watch?v=_foQWni6tRY ● 26th - Prof K P Hewagamage delivered a Keynote speech at ‘Colombo SIGCHI Research Showcase’ organized by the Colombo ACM SIGCHI Chapter ● 26th - Conducted the examinations of the 3rd semester of Master of Cybersecurity programme online <p>Other activities</p> <ul style="list-style-type: none"> ● Developed a trailer(promotion) video for the new course, "Video-based learning content development for blended and e-learning courses" for IIOE platform (https://www.iioe.org/) ● Published the UCSC Newsletter 2021
July 2021	<ul style="list-style-type: none"> ● 2nd - Seminar on ‘Turnitin’ for staff and students- conducted by senior Assistant Librarian of FoS/UoC ● 3rd - Successfully completed online examinations of the 3rd semester of Master of Cybersecurity programme ● 7th - Conducted BIT Semester 4 – Subject Matter Experts’ Meeting ● 12th - Online Seminar on 5G Technology for the 5G Innovation Centre by Dialog ● 16th - Online Seminar by CelaTa (Pvt) Ltd on possible research collaboration with UCSC ● 18th - Awarded 19certificates for the participants who have been successfully completed the short course on Java Application Development Using JavaSE ● 24th - Started a new batch of short course on “Graphic Design and Creativity Development” for 11 participants by ADMTC ● 27th - Presented the promotion video of the “ Video-based Learning Content Development for e-Learning and b-Learning” at the IIOE Asia-Pacific Mid-Year Meeting 2021 conducted by the UNESCO-ICHEI ● 30th - Released the results of Level II (2nd year) - BIT Programme 2020 ● 31st - Started(online) examinations of the 4thsemester of Master of Cybersecurity programme <p>Other activities</p> <ul style="list-style-type: none"> ● Preliminary Proposal Defense presentations (online) of new candidates of MPhil in Computing ● Conducted MOCK tests undergraduate and postgraduate examinations ● Online workshop series to develop the process of online examination for 3rd /4th semesters of the Master programme ● BIT online registration interviews were conducted
August 2021	<ul style="list-style-type: none"> ● 5th - Results of Higher Diploma in IT (HDIT) were released ● 7th - Started a short course on Dynamic web application development with PHP & MySQL for 20 students. ● 17th - Conducted the online Information Systems (IS) Aptitude assessment - for Group 1,2 and 3

	<ul style="list-style-type: none"> ● 21st - Conducted the Make-Up I online Information Systems (IS) Aptitude assessment and MPhil/PhD General Computing Test online zoom proctored mode. ● 21st - completed the online examinations of the 4th semester of Master of Cybersecurity programme. ● 22nd - Started a short course on Java Application Development Using JavaSE for 22 students ● 25th – 27th - Conducted a Staff training on Moodle by eLC ● 27th - Conducted the Make-Up II online Information Systems (IS) Aptitude assessment ● 27th - Conducted Online Assessment by Dr. (Mrs.) Namali Suraweera, Digital Teaching and Learning Technologist, Head/Dept. of Library and Information Science, University of Kelaniya : Preparing Open Book Take Home Examinations/papers and Procedures <p>Other activities</p> <ul style="list-style-type: none"> ● Successfully completed online examinations of the 1st & 3rd semester of Master Programme
September, 2021	<ul style="list-style-type: none"> ● 3rd - Conducted a Seminar on “ Advancing the ranking of UoC through research” by Prof. Ranil Jayawardena, Faculty of Medicine, the University of Colombo for academic staff. (https://youtu.be/tyZpdqGwDd8) ● 8th - Conducted online workshop on Effective email Communication (Part I) to Non-Academic staff of UCSC (https://youtu.be/jCGJxv-HA-U) ● 15th - Conducted online workshop on Effective email Communication (Part II) to Non-Academic staff of UCSC (https://youtu.be/JIJP-X8vBXk) ● 16th & 17th - second round project evaluation of Young Computer Scientists 2021 were held ● 19th - Inauguration ceremony of the Master programmes for new intake was held via zoom. Master Handbook 2020/2021 was launched at the ceremony. URL: https://ucsc.cmb.ac.lk/downloads/Masters_Handbook_2021.pdf ● 21st - Released the eligible list for 350 students of Bachelor of Information Technology (BIT) 2020 and the results of BIT Level III (Semester V and VI) for 1151 students ● 22nd - Conducted online workshop on Google Calendar for Non-academic staff of UCSC (https://youtu.be/hj2sYH3HXJ4) ● 24th - Commenced master programme lectures of the 1st & 3rd Semester ● 27th - Started the Undergraduate Lectures of the Second Semester <p>Other activities</p> <ul style="list-style-type: none"> ● Conducted final evaluations of Individual projects of MIT, MCS, MSc in CS, MB-ANALYTICS programmes ● Conducted online Student registration for 2nd year of the Master programmes
October 2021	<ul style="list-style-type: none"> ● 1st - Commencement of the Industrial Placement Program for Internal Undergraduates ● 4th - Organized a workshop on pre-University Orientation course with resource persons. ● 4th - Tech talks session on "Start your Salesforce Career" for UCSC undergraduates by Itelasoft Company ● 7th - Released the final results of Undergraduate Degree Programmes in Computer Science and Information Systems ● 8th - Online workshop on Google Calendar for the staff of UCSC https://youtu.be/M5uXEb5jYbU ● 9th & 10th - 4th Semester exams of Masters Programme (online) were conducted

	<ul style="list-style-type: none"> ● 13th - Online workshop on Google Drive for the staff of UCSC https://youtu.be/GGBHv3dRHvA ● 15th - Tech talks session on "Personal Branding" for UCSC internal/external undergraduates by GAPSTARS ● 16th - 17th & 23rd - 24th - 4th Semester exams of Masters Programme (online) were conducted ● 27th - Online workshop on Google Drive and Docs for UCSC staff (Part 2) https://youtu.be/oJ_HdD7oDJo ● 27th - Signing of an agreement between UCSC and Dialog Axiata PLC to establish a research laboratory (5G Innovation Centre) in order to enable the students of the University to carry out research activities ● 29th - Workshop on "Mobile app development training and certification course" for UCSC internal/external undergraduates by Huawei mobile services (HMS) <p>Other Activities</p> <ul style="list-style-type: none"> ● ICTer2021 research papers review workshops
November 2021	<ul style="list-style-type: none"> ● 10th - an online workshop on Google DOCs for the staff of UCSC was conducted (https://youtu.be/KlxHW5J_OMI) ● 13th - Commencement of short training course on Graphic Design & Creativity Development by ADMTC ● 15th - Inauguration of UCSC Career Fair 2021 (https://youtu.be/9xEGOuxlSbk) ● 25th - Seminar on Mobile App Development Training and Certification Course for UCSC undergraduates (internal/External) and staff was held by HUAWEI Mobile Services (HMS) (https://drive.google.com/file/d/1zyguBVdzCWGl-m-YwZm4DD67mSdKCNhJx/view?usp=sharing) ● 29th - 5th SLCB CHAIRPERSON's FORUM ON MICE - Experience sharing, building and winning and international conferences to Sri Lanka was delivered by Prof. K P Hewagamage, Director/UCSC <p>Other Activities</p> <p>The English Language Teaching Programme has been completed</p>
December 2021	<ul style="list-style-type: none"> ● 1st - Ceremonial Opening of UCSC Research Laboratory (4th floor) and Multipurpose Computer Laboratory (Ground floor) and Inauguration of the International Conference on Advances in ICT for Emerging Regions ICTer2021 ● 2nd - 1st day of the International Conference on Advances in ICT for Emerging Regions ICTer2021 ● 3rd - 2nd day of the International Conference on Advances in ICT for Emerging Regions ICTer2021 ● 4th 5th – ICTer2021 Conference Tour ● 9th - Keynote Address “Digital Transformation of Future Library Services: A New Role of Academic Libraries in Higher Education System” was delivered by Professor K.P. Hewagamage, Director/UCSC. ● 9th & 10th - “Career Guidance and Awareness workshop” conducted by CodeGen International (Pvt) Ltd for UCSC students ● 9th, 16th ^ 23 - “Mobile App Development Training and Certification Course” conducted by HUAWEI Mobile Services (HMS) for UCSC students ● 27th & 29th - FIT practical tests (online) were held

8. AUDIT REPORT

8. AUDIT REPORT 2020

My No: HED/B/UCSC/2021/FA/04

Date:15 June 2022

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

The above report is attached herewith.

W. P.C. Wickramaratne

Auditor General

Copies: - 01. Chairman, University Grants Commission
02. Secretary, Ministry of Education
03. 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 Qualified 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 2021 comprising the statement of financial position as at 31 December 2021 and the statement of financial performance, statement of changes in equity and cash flow statement for the year then ended, and notes to the financial statements, including a summary of significant accounting policies, was carried out under my direction in pursuance of provisions in Article 154 (1) of the Constitution of the Democratic Socialist Republic of Sri Lanka with provisions of Section 12 of the National Audit Act, No.19 of 2018 read in conjunction with Section 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

- (a) Although income and expenditure should not be offset with each other according to paragraph 48 of Sri Lanka Public Sector Accounting Standard 1, net income totalling to Rs. 128,922,977 had been stated in the statement of financial performance subsequent to offsetting the total expenditure amounting to 165,031,257 with the total income amounting to Rs. 293,954,234 earned from the external courses and projects of the institution.
- (b) Although Library Books and Periodicals costed at Rs. 6,913,358 had completely been depreciated, they had been further utilized due to not reviewing an asset by reducing the residual value and useful life of the asset at the end of each annual reporting period in accordance with paragraph 65 of Sri Lanka Public Sector Accounting Standard 7. Accordingly, action had not been taken to revise the estimated error in terms of Sri Lanka Public Sector Accounting Standard 3.
- (c) Project grants amounting to Rs. 8,788,468 received by the University during the year under review had not been recognized in the financial statements and calculated in accordance with Sri Lanka Public Sector Accounting Standard 11.

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 2021 of the Organization

Information, included in the Annual Report - 2021 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
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(a) State Accounts Circular No. 30/94 dated 20 April 1994	Although all the transactions related to foreign aid should be done through the Director General of the Department of External Resources of the General Treasury, action had not been taken to directly obtain foreign grants totalling to Rs. 26,399,881 received for 04 projects implemented by the institution in the years 2018, 2019 and 2021.
(b) University Grants Commission Circular No. 2009/2 dated 05 February 2009	In contrary to the provisions of the Circular, a total of Rs. 11,305,700 had been paid in excess to 41 officers by exceeding the maximum limit of the distress loan that can be paid.

2.2.3 to state that the Institution has not performed according to its powers, functions and duties as per the requirement of section 12 (g) of the National Audit Act, No. 19 of 2018.

2.2.4 to state that the resources of the Institution had not been procured and utilized economically, efficiently and effectively within the time frames and in compliance with the applicable laws as per the requirement of section 12 (h) of the National Audit Act, No. 19 of 2018.

2.3 Other Matters

- (a) It had not been possible even by 31 December 2021 to recover a total of Rs.19,488,865 that had to be recovered for a period of 01 year to 17 years from five lecturers, who had breached the bonds.
- (b) It had not been possible to recover amounts from debtors totalling to Rs. 1,229,330 and old for 01 year to 07 years as at 31 December 2021.

W.P.C. Wickramaratne
Auditor General

16.06.2022

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

Dear Sir,

Report of the Auditor General on the 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 Qualified Opinion

Noted down.

1.2 Basis for Qualified Opinion

Audit Observation	Answer
(a) Although income and expenditure should not be offset with each other according to paragraph 48 of Sri Lanka Public Sector Accounting Standard 1, net income totalling to Rs. 128,922,977 had been stated in the statement of financial performance subsequent to offsetting the total expenditure amounting to 165,031,257 with the total income amounting to Rs. 293,954,234 earned from the external courses and projects of the institution.	Although the net income earned from external courses and projects has been indicated in the statement of financial performance of the institution, the revenue and expenditure have been presented in detail under information in Note No. 20 of the financial statements and the reference to that has been included in the statement of financial performance. Although there had been no set-off in income and expenses, action will be taken from the year 2022 to present all the income and expenses of the institution in the statement of financial performance as per the recommendations of the auditor.

<p>(b) Although Library Books and Periodicals costed at Rs. 6,913,358 had completely been depreciated, they had been further utilized due to not reviewing an asset by reducing the residual value and useful life of the asset at the end of each annual reporting period in accordance with paragraph 65 of Sri Lanka Public Sector Accounting Standard 7. Accordingly, action had not been taken to revise the estimated error in terms of Sri Lanka Public Sector Accounting Standard 3.</p>	<p>Although the accounting policy of the institution is to revalue library books and publications of the institution according to Sri Lanka Public Sector Accounting Standard 07, action will be taken to complete the revaluation activities in the year 2022 and to adjust the relevant revalued values in the accounting records in the year 2022 as it had not been possible to finalize the revaluation activities in the year 2021.</p>
<p>(c) Project grants amounting to Rs. 8,788,468 received by the University during the year under review had not been recognized in the financial statements and calculated in accordance with Sri Lanka Public Sector Accounting Standard 11.</p>	<p>It was not possible to give answers of the institution for this audit query and to discuss it in the Audit Committee of the institution as these audit observations had been included only in the final report of the Auditor General.</p> <p>The institution had recognized the income related to the year 2021 in the financial statement, out of the project income amounting to Rs.8,788,468 received by the institution in the year 2021 and the balance has been accounted as a project income received for the future. However, project work grants will be recognized and measured from the year 2022 in accordance with the auditor's recommendations and Sri Lanka Public Sector Accounting Standard 11.</p>

1.3 Other Information included in the Annual Report 2021 of the Organization

Noted down.

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

Noted down.

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

Noted down.

2. Report on other legal and regulatory requirements

Audit Observation	Answer
2.1 Specific provisions are included in the following requirements of the National Audit Act, No. 19 of 2018.	Noted down.
2.1.1 I have obtained all the information and explanation that required for the audit and as far as appears from my examination, proper accounting records have been kept by the Institution as per the requirement of Section 12 (a) of the National Audit Act, No. 19 of 2018.	Noted down.
2.1.2 The financial statements presented is consistent with the preceding year as per the requirement of Section 6 (1) (d) (iii) of the National Audit Act, No. 19 of 2018.	Noted down.
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.	Noted down.

<p>2.2 Based on the procedures performed and evidence obtained were limited to matters that are material, nothing has come to my attention;</p>	<p>Noted down.</p>
<p>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.</p>	<p>Noted down.</p>
<p>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;</p>	
<p>(a) State Accounts Circular No. 30/94 dated 20 April 1994</p> <p>Observation</p> <p>Although all the transactions related to foreign aid should be carried out through the Director General of the Department of External Resources of the General Treasury, action had not been taken to directly obtain foreign grants totalling to Rs. 26,399,881 received for 04 projects implemented by the</p>	<p>The University of Colombo School of Computing and the academic staff of the School of Computing function with commitment to present research proposals internationally and to obtain research financial grants. Once the approval is granted to research proposals submitted to such institutions, relevant financial grants are directly provided to our institution.</p> <p>Action is taken with the full approval of the Board of Management of our institution for such projects. At the end of the relevant financial year, the details of these research projects are given to the University Grants Commission and the other relevant government institutions.</p> <p>All research grants received by the institution are incurred only on the budgets approved by the Board of Management.</p>

<p>institution in the years 2018, 2019 and 2021.</p>	
<p>(b) University Grants Commission Circular No. 2009/2 dated 05 February 2009</p> <p>Observation</p> <p>In contrary to the provisions of the Circular, a total of Rs. 11,305,700 had been over paid to 41 officers by exceeding the maximum limit of the distress loan that can be paid.</p>	<p>The Institution has implemented a special distress loan scheme, which was implemented by using 100% of the funds earned by the Institution itself with the approval of the Board of Management and it has not been the normal distress loan scheme, specified in the University Grants Commission Circular No. 2009/02.</p> <p>Furthermore, it was decided to temporarily suspend this special distress loan scheme until the proper approval is obtained for this loan system subsequent to holding discussions between the Audit Committee and the Board of Management of the institution on the audit query included in the Auditor General's report for the year 2020 on this loan system.</p> <p>Distress loans will be issued with effect from July 2022 in accordance with the University Grants Commission Circular 2009/02.</p>
<p>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.</p>	<p>Noted down.</p>

2.2.4 to state that the resources of the Institution had not been procured and utilized economically, efficiently and effectively within the time frames and in compliance with the applicable laws as per the requirement of section 12 (h) of the National Audit Act, No. 19 of 2018.	Noted down.
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2.3 Other Observations

Audit Query	Answer																												
(a) It had not been possible even by 31 December 2021 to recover a total of Rs.19,488,865 that had to be recovered for a period of 01 year to 17 years from five lecturers, who had breached the bonds.	<p>The amount to be collected due to the breach of bonds mentioned in the audit query and the amount recovered out of that amount within the year 2022 are mentioned in the following schedule.</p> <table border="1" data-bbox="608 1010 1441 1738"> <thead> <tr> <th data-bbox="614 1019 818 1182">Name of the Lecturer</th> <th data-bbox="818 1019 1034 1182">Amount to be recovered as at 31/12/2021</th> <th data-bbox="1034 1019 1233 1182">Amount recovered up to August 2022</th> <th data-bbox="1233 1019 1441 1182">The Amount to be Recovered Further</th> </tr> </thead> <tbody> <tr> <td data-bbox="614 1182 818 1279">1. S.J. Paheerathan</td> <td data-bbox="818 1182 1034 1279">1,276,862.41</td> <td data-bbox="1034 1182 1233 1279">-</td> <td data-bbox="1233 1182 1441 1279">1,276,862.41</td> </tr> <tr> <td data-bbox="614 1279 818 1375">2. Rukman Senanayake</td> <td data-bbox="818 1279 1034 1375">1,823,126.13</td> <td data-bbox="1034 1279 1233 1375">-</td> <td data-bbox="1233 1279 1441 1375">1,823,126.13</td> </tr> <tr> <td data-bbox="614 1375 818 1471">3. H.M. Siriwardena</td> <td data-bbox="818 1375 1034 1471">5,484,435.15</td> <td data-bbox="1034 1375 1233 1471">-</td> <td data-bbox="1233 1375 1441 1471">5,484,435.15</td> </tr> <tr> <td data-bbox="614 1471 818 1568">4. R.M.P.N. Somaratne</td> <td data-bbox="818 1471 1034 1568">607,192.96</td> <td data-bbox="1034 1471 1233 1568">-</td> <td data-bbox="1233 1471 1441 1568">607,192.96</td> </tr> <tr> <td data-bbox="614 1568 818 1664">5. R.A.H.D. Perera</td> <td data-bbox="818 1568 1034 1664">10,297,248.10</td> <td data-bbox="1034 1568 1233 1664">9,134,000.39</td> <td data-bbox="1233 1568 1441 1664">1,163,247.71</td> </tr> <tr> <td data-bbox="614 1664 818 1738"></td> <td data-bbox="818 1664 1034 1738"><u>19,488,864.75</u></td> <td data-bbox="1034 1664 1233 1738"><u>9,134,000.39</u></td> <td data-bbox="1233 1664 1441 1738"><u>10,354,864.36</u></td> </tr> </tbody> </table> <p data-bbox="608 1765 1441 1877">A case has been filed in the Colombo District Court to collect the amount to be recovered from Mr. S.J. Paheerathan as mentioned in No. 1 above.</p> <p data-bbox="608 1906 1441 2018">It is not possible to find any information about the current residence of Mr. Rukman Senanayake and therefore, a Letter of Demand has been sent to the guarantors of Mr. Rukman</p>	Name of the Lecturer	Amount to be recovered as at 31/12/2021	Amount recovered up to August 2022	The Amount to be Recovered Further	1. S.J. Paheerathan	1,276,862.41	-	1,276,862.41	2. Rukman Senanayake	1,823,126.13	-	1,823,126.13	3. H.M. Siriwardena	5,484,435.15	-	5,484,435.15	4. R.M.P.N. Somaratne	607,192.96	-	607,192.96	5. R.A.H.D. Perera	10,297,248.10	9,134,000.39	1,163,247.71		<u>19,488,864.75</u>	<u>9,134,000.39</u>	<u>10,354,864.36</u>
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	<p>Senanayake to collect the amount that had to be recovered from him.</p> <p>The request to collect the amount to be recovered from Mr. H.M. Siriwardena will be forwarded to the Sri Lankan Embassy in the country, where he currently resides along with the approval of the Board of Management.</p> <p>The related documents have been forwarded to the Universities Pension Fund to recover the amount to be recovered from Mrs. R.M.P.N. Somaratne.</p> <p>The relevant documents have been forwarded to the University Grants Commission to recover the balance amount to be recovered from Mr. R.A.H.D. Perera from the University Provident Fund.</p>
<p>(b) It had not been possible to recover amounts from debtors totalling to Rs. 1,229,330 and old for 01 year to 07 years as at 31 December 2021.</p>	<p>An amount of Rs. 709,390.00, out of the amount to be recovered as mentioned in the query, had been the amounts receivable to the institution for research reports (Digital Forensic Services) issued under various court orders. The following measures have been taken by the institution to recover those amounts.</p> <ul style="list-style-type: none"> i. Sending reminders to the concerned parties, Courts and police stations in relation to the amounts to be recovered. ii. Inform the Secretary of the Ministry of Justice in writing on this matter. iii. Research reports will be issued only after the payment of the relevant amount with effect from the year 2022.

Dr. Ajantha Atukorale
Director

