National Computing Education Accreditation Council
Islamabad

Annual Report
2017-18

Established by
Higher Education Commission
Pakistan

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Chairman's Message

It is my pleasure to present the Annual Report of NCEAC for the financial year 2017 – 18. I thank all the (current and previous members) of NCEAC for their contribution and support in helping NCEAC improve the quality of computing education imparted by universities of Pakistan. I also acknowledge the guidance provided by the Quality Assurance Division (HEC), cooperation of the accredited universities, and the commitment of NCEAC secretariat staff.

I hope that universities offering computing programs shall continue to improve their standards with the assistance of NCEAC. Our next challenge is to move towards OBE (Outcome Based Education). This requires deciding PLOs (Program Learning Outcomes) and CLOs (Course Learning Objectives). It also requires continuous monitoring and documentation of all educational and student evaluation activities. The process does not end with graduation of students, but also extends to seeking feedback from alumni and their employers. All this requires a robust and extensive IT system to support all stages of OBE.
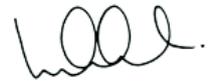
Dr. Mohammad Ayub Alvi
Chairman, NCEAC

Members (May 2017 - May 2021)
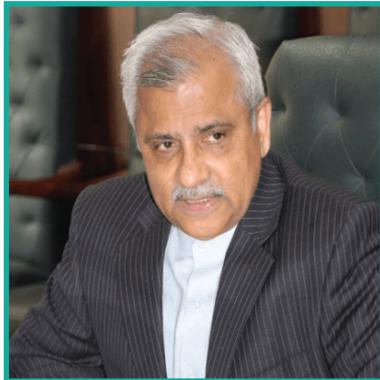
Dr. Ayub Alvi
Chairman NCEAC
(March 2016-)

Dr. Shoab A Khan
Vice Chairman NCEAC
(May 2017-)

Dr. Faisal Ahmad Khan Kakar
Member NCEAC
(May 2013-)
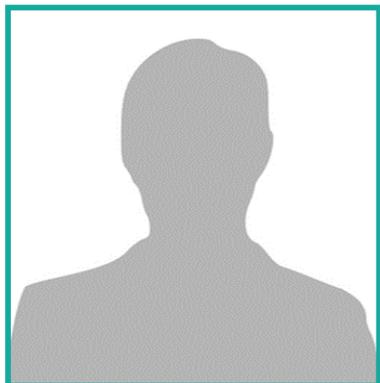
Dr. Muhammad Ali Maud
Member NCEAC
(May 2013-)

Dr. Zartash Afzal Uzmi
Member NCEAC
(May 2013-)

Dr. Jamil Ahmad
Member NCEAC
(May 2017-)

Dr. Jamil Sawar
Member NCEAC
(May 2017-)

Dr. Manzoor Elahi Tamimy
Member NCEAC
(May 2017-)

Dr. Muhammad Sayeed Ghani
Member NCEAC
(May 2017-)

NCEAC Secretariat

Muhammad Jawad Hussain
Program Coordinator

Hafiza Sumaira Hafeez
Deputy Program Coordinator

Adnan Mansha
Software Engineer

Arslan Butt
Software Engineer

Mahnoor Fatima
Business Analyst

Adeel Aftab
Technical Intern

Syed Usama Ali
Technical Intern
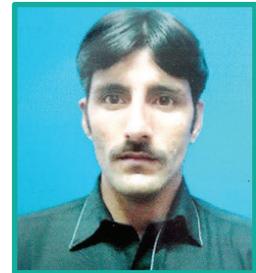
Muhammad Tanveer
Office Attendant

Introduction

NCEAC, established by HEC (Higher Education Commission) Pakistan, accredits computing programs offered by universities in Pakistan. It ensures that computing education imparted to students of computing is of high quality and meets the minimum standards prescribed by HEC. Accreditation by NCEAC is mandatory for every computing program offered by any public or private university or degree awarding institution in Pakistan.

In this age of information and knowledge, it is imperative to ensure quality and purpose of our educational programs. Computing profession, undoubtedly plays a pivotal role in the development of a nation. To improve quality of computing education in Pakistan requires regular review, guidance, and quality improvement mechanisms. Accreditation process is considered an effective instrument to achieve these goals.

Governing Council of NCEAC

Following are the current members of the Governing Council of NCEAC. The members are appointed by HEC for a period of four years. On 26th May, 2017, HEC notified the current membership of the Council.

	Name of Member	**Designation & Department**
1.	Dr. Ayub Alvi (Chairman)	Rector, NUCES (FAST)
2.	Dr. Shoab A Khan (Vice Chairman)	Professor, EME, NUST
3.	Executive Director	HEC
4.	Director General	QAA, HEC
5.	Dr. Faisal Ahmad Khan Kakar	Dean of Sciences, BUITEMS, Quetta
6.	Dr. Jamil Ahmad	Vice Chancellor, KUST, Kohat
7.	Dr. M Jamil Sawar, Director IT	MTBC, Rawalpindi
8.	Dr. Manzoor Elahi Tamimy	Associate Prof., CIIT, Islamabad
9.	Dr. Muhammad Ali Maud	Professor, UET, Lahore
10.	Dr. Sayeed Ghani	Associate Dean, IBA, Karachi
11.	Dr. Zartash Afzal Uzmi	Director, Confiz Solution, Lahore
12.	Managing Director	Pakistan Software Engineering Board
13.	President	Pakistan Software Houses Association
14.	Chairman	Punjab Information Technology Board
15.	Secretary	Ministry of Information Science & Technology
16.	Director	Directorate of Information Technology, KPK
17.	Secretary	Information & Technology Dept , Baluchistan
18.	Secretary	Information Science & Technology Dept; Sindh
19.	Secretary	Ministry of Information Technology & Telecom
20.	Secretary	Secretary Education, Gilgit-Baltistan

Executive Summary

National Computing Education Accreditation Council (NCEAC) was established by HEC in 2005. This Council started off by forming a committee to develop a framework and standard operating procedures (SOPs) for Accreditation of Computing Education. The Council evaluated first program in 2006 (?). It also started an awareness campaign for the universities, so that they could prepare themselves for accreditation. Moreover, training programs were also started for its Program evaluators.

During the year under review (2017-18), NCEAC organized four workshops to improve skills of its Program Evaluators (PE's). These workshops were conducted in Karachi, Lahore, Peshawar and Islamabad. The objective was to strengthen accreditation capabilities of Program Evaluators, so that they could assess the programs in a uniform manner. These Training Workshops were organized with the cooperation of Quality Assurance Agency (QAA), HEC.

The NCEAC's General Council and the Accreditation Standard Committee meets four times in a year. Therefore, four meetings were held in HEC Islamabad during the year. These meetings were presided by the Chairman NCEAC.

NCEAC in collaboration with PASHA, organized Training seminars on "Emerging Technologies" from 8th August to 15th August, 2018 at Islamabad, Lahore, Karachi & Peshawar. These seminars were aimed at Computing graduates, Faculty members and industry professionals. The purpose of these training seminars was to create awareness and to impart some know-how about the emerging fields in Computer Science. These included Blockchain, Machine Learning, Cyber Security, Data Analytics & Big Data, Open Stack & Cloud Computing, and Freelancing.

Over the past year or so, NCEAC has been developing an Online Registration System for computing professionals, graduates and students. In the first phase, NCEAC has collected data of twenty five thousand computing students and graduates of Accredited Universities and Institutes. It is expected that this System will be ready during 2019.

NCEAC is also developing an online Accreditation Application for universities. This is to be launched in the first quarter of 2019.

NCEAC is working in close collaboration with universities of Pakistan to develop awareness about the benefits of accreditation.

Accreditation

An objective of accreditation is to ensure that degree programs are being offered with the help of prescribed facilities, and with at least a certain minimum faculty resources. This helps prospective students to gain confidence about the quality of education they can expect to receive at a particular university. It is a process to assure quality in degree programs in educational institutions. It would require an educational institution or program to meet a defined standards or criteria. It is not a ranking system. It is simply an assurance that a program or institution meets a minimum standard.

Accreditation helps the following purposes:

o   Assuring Quality
o   Guidance for Improvement
o   Easing Transfer of students between Universities
o   Recognition of Qualifications
o   Increase Employer Confidence

Importance of Accreditation

o   Helps students and their parents to choose quality university programs.
o   Enables employers to recruit better graduates.
o   Gives institutions and universities a structured mechanism to assess, evaluate, and improve the quality of their programs.

Scope & Accreditation Procedures

Scope

The following undergraduate (BS) programs in Computing fall under the purview of NCEAC:

1)   Computer Science
2)   Information Systems
3)   Information Technology
4)   Software Engineering
5)   Bio-informatics

Online Accreditation Process Framework

Start

Focal person enters Information about University, Department, Program, Faculty and Students

Submit Information to NCEAC along with Accreditation Fee

NCEAC Performs Desk Audit

Missing / incomplete Information

NCEAC Accreditaiton Team Visits University

Accreditation Team Submits AIC Report to NCEAC

AIC Report Shared With University

University Responds to AIC Report

AIC Report and University's Response is Placed Before NCEAC General Council for Decision

NCEAC General Council Decision Shared with the University

Achievements

Programs Accredited

As of February 2019, NCEAC has accredited 332 undergraduate Computing Degree Programs (BSCS, BSSE, BSIT, BS-Bioinformatics & BSIS). List of NCEAC Accredited Programs is given in Annexure A:

Accreditation Inspection Committee Visits

During the Year 2017 & 2018, ninety eight degree programs of 72 Universities were evaluated for accreditation (some universities offer more than one computing program) These included first time visits and also repeat accreditation visits (to review progress on the recommendations of NCEAC for upgrading Computing labs, infrastructure, learning resources and other facilities).

Annual Program Accreditations

Visited Program Till 2018 - 364

Year	Value
2007	1
2008	9
2009	12
2010	17
2011	9
2012	49
2013	35
2014	33
2015	24
2016	58
2017	50
2018	67
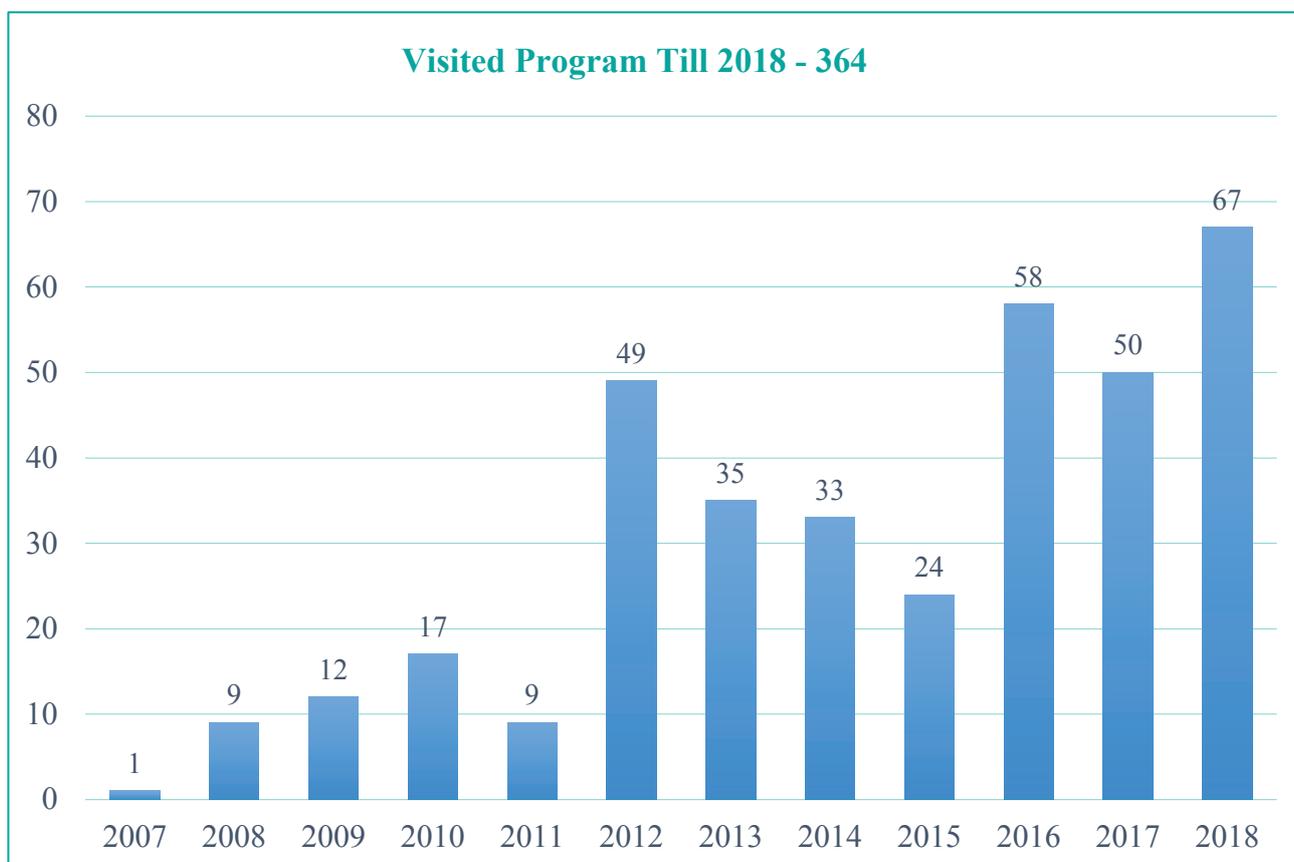
Programs Accredited Between July 1, 2017-June 30, 2018

Sr.#	Name of University/Institution	Program	Batches			
			2013 - 2017	2014 - 2018	2015 - 2019	2016 - 2020
1.	Air University, Islamabad Campus	Computer Science	X	X		
2.	Army Public College of Management Sciences (APCOMS)	Computer Science	Objectionable			
3.	Bahauddin Zakariya University, Multan Campus	Computer Science	X			
4.	Bahria University, Islamabad Campus	Information Technology		X	X	
5.	Bahria University, Lahore Campus	Computer Science		X		
6.	Beaconhouse National University, Lahore	Software Engineering		X	X	
7.	Center for Advanced Studies in Engineering (CASE), Islamabad	Computer Science	X	X	X	
8.	City University of Science & IT, Peshawar	Computer Science		X		
9.	City University of Science & IT, Peshawar	Software Engineering		X	X	
10.	COMSATS University, Sahiwal Campus	Software Engineering	X			
11.	COMSATS University, Attock Campus	Software Engineering	X			
12.	COMSATS University, Islamabad Campus	Computer Science	X	X	X	
13.	COMSATS University, Islamabad Campus	Software Engineering	X	X	X	
14.	COMSATS University, Sahiwal Campus	Computer Science	X			
15.	COMSATS University, Vehari Campus	Computer Science		X	X	
16.	COMSATS University, Wah Campus	Software Engineering	X	X	X	
17.	Dir College of Engineering & Computing Sciences., Dir	Software Engineering	Zero Visit			
18.	Forman Christian College, Lahore	Computer Science	X	X	X	
19.	Foundation University, Rawalpindi Campus	Software Engineering	X			
20.	Gift University, Gujranwala Campus	Computer Science		X		
21.	Hamdard University, Karachi Campus	Computer Science		X	X	
22.	Indus University, Karachi	Computer Science		X		
23.	Indus University, Karachi	Software Engineering		X		
24.	Information Technology University, Lahore	Computer Science	X	X	X	
25.	International Islamic University, Islamabad	Computer Science	X	X		
26.	International Islamic University, Islamabad	Software Engineering	X	X		
27.	IQRA University, Islamabad Campus	Computer Science		X	X	
28.	IQRA University, Islamabad Campus	Software Engineering		X	X	
29.	Jinnah University for Women, Karachi	Computer Science		X	X	X
30.	Jinnah University for Women, Karachi	Software Engineering		X	X	
31.	Khan Institute of Computer Science & Information Technology (KICSIT), Kahuta	Information Technology	X			
32.	Lahore Garrison University, Lahore	Computer Science	X			

Sr.#	Name of University/Institution	Program	Batches			
			2013 - 2017	2014 - 2018	2015 - 2019	2016 - 2020
33.	Lahore University of Management Sciences (LUMS), Lahore	Computer Science	X	X	X	
34.	Mohammad Ali Jinnah University (MAJU), Karachi	Computer Science	X	X		
35.	Mohammad Ali Jinnah University (MAJU), Karachi	Software Engineering	X	X		
36.	NUST SEECS, Islamabad	Computer Science			X	X
37.	Pakistan Institute of Engineering & Applied Sciences (PIEAS), Islamabad	Information System		X	X	X
38.	Preston University, Karachi	Computer Science				
39.	Preston University, Kohat	Computer Science				
40.	Preston University, Peshawar Campus	Computer Science	Accreditation for 6 Months			
41.	University of Central Punjab, Lahore	Computer Science		X		
42.	University of Engineering & Technology, Lahore	Computer Science	X	X	X	
43.	University of Gujrat (Hafiz Hayat Campus), Gujrat	Computer Science	Pending for Re-visit			
44.	University of Gujrat (Hafiz Hayat Campus), Gujrat	Software Engineering	Pending for Re-visit			
45.	University of Gujrat (Hafiz Hayat Campus), Gujrat	Information Technology	Pending for Re-visit			
46.	University of Gujrat (Hafiz Hayat Campus), Gujrat	Computer Science		X		
47.	University of Gujrat (Hafiz Hayat Campus), Gujrat	Software Engineering		X		
48.	University of Gujrat (Hafiz Hayat Campus), Gujrat	Information Technology		X		
49.	University of Gujrat, Lahore Sub Campus	Computer Science	Re-visit Required			
50.	University of Gujrat, Lahore Sub Campus	Software Engineering	Re-visit Required			
51.	University of Gujrat, Lahore Sub Campus	Information Technology				
52.	University of Gujrat, Lahore Sub Campus	Computer Science		X		
53.	University of Gujrat, Lahore Sub Campus	Software Engineering		X		
54.	University of Gujrat, Lahore Sub Campus	Technology		X		
55.	University of Lahore, Islamabad Campus	Computer Science	X			
56.	University of Lahore, Lahore Campus	Software Engineering	Re-visit Required			
57.	University of Lahore, Lahore Campus	Software Engineering		X	X	
58.	University of Malakand, Malakand	Computer Science	X			
59.	University of Malakand, Malakand	Information Technology	X			
60.	University of Management & Technology, Sialkot Campus	Computer Science		X		

Sr.#	Name of University/Institution	Program	Batches			
			2013 - 2017	2014 - 2018	2015 - 20 19	2016 - 2020
61.	University of Management & Technology, Sialkot Campus	Software Engineering		X		
62.	University of Sargodha, Faisalabad, Women Campus	Computer Science	X			
63.	University of Sargodha, Faisalabad, Women Campus	Software Engineering	X			
64.	University of Sargodha, Faisalabad, Women Campus	Information Technology	X			
65.	University of Sargodha, Mandi Bahauddin Campus	Computer Science	Re visit Required			
66.	University of Sargodha, Mandi Bahauddin Campus	Software Engineering	Re-visit Required			
67.	University of Sargodha, Mandi Bahauddin Campus	Information Technology	Re-visit Required			
68.	University of Sargodha, Mandi Bahauddin Campus	Computer Science		X		
69.	University of Sargodha, Mandi Bahauddin Campus	Software Engineering		X		
70.	University of Sargodha, Mandi Bahauddin Campus	Technology		X		
71.	University of Wah, Wah	Computer Science	X			
72.	Ziauddin University, Karachi (North Nazimabad)	Software Engineering	(Zero Visit)			

Accreditation Inspection Committee

For every visit, NCEAC constitutes an Accreditation Inspection Committee (AIC) (from among the approved Program Evaluators.) to evaluate a program. The NCEAC Accreditation Inspection Committee comprises 2 to 4 Members.

Program Evaluators

Distinguished senior faculty members in computing domain are approved as Program Evaluators. They are faculty members in reputed universities. Evaluators are PhD in relevant field, with at least five years post PhD experience and at least 3 years teaching experience. NCEAC have currently 103 Program Evaluators, out of which 21 were inducted in 2017-18.

PROGRAM EVALUATOR PROVINCE WISE

Baluchistan 3%
Federal 29%
KPK 11%
Punjab 33%
Sindh 24%
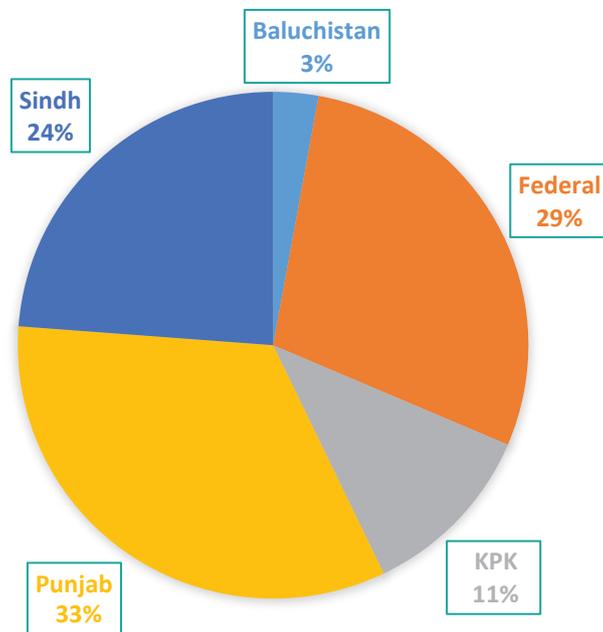
Accreditation Inspection Visits to Institutes

AIC Visit to Bahria University, Islamabad Dec 11, 2017

AIC Visit to NUST-SEECS, Islamabad January 4, 2018

AIC Visit to BILQUIS Postgraduate College, Rawalpindi April 24, 2018

Program Evaluators

FEDERAL

Evaluators from Private Institutes

	Name	University
1.	Aamer Nadeem	CUST, Islamabad
2.	Aftab Maroof	NUCES (FAST), Faisalabad
3.	Arshad Ali Shahid	NUCES (FAST), Islamabad
4.	Ejaz Ahmad	NUCES(FAST), Islamabad
5.	Hassan Mujtaba	NUCES(FAST), Islamabad
6.	Ijaz Ahmed Qureshi	IQRA University, Islamabad
7.	Kashif Munir	NUCES(FAST), Islamabad
8.	Naveed Ikram	Riphah University, Islamabad
9.	Nayyer Masood	CUST, Islamabad
10.	Saad Naeem Zafar	Riphah University, Islamabad
11.	Shafaat A Bazaz	CASE, Islamabad
12.	Waseem Shahzad	NUCES (FAST), Islamabad
13.	Zohaib Iqbal	NUCES(FAST), Islamabad

Evaluators from Public Institutes

	Name	University
14.	Abdul Jalil	IIU, Islamabad
15.	Asad Naeem	Air University, Islamabad
16.	Farhana Jabeen	CIIT, Islamabad
17.	Habib Bukhari	CIIT, Islamabad
18.	Irfan Ul Haq	PIEAS, Islamabad
19.	M Manzoor Ilahi Tamimy	CIIT, Islamabad
20.	M Moazam Faraz	NUST, Islamabad
21.	Majid Iqbal	CIIT, Islamabad
22.	Mian M Hamayun	NUST, Islamabad
23.	Muazzam A Khan Khattak	NUST, Islamabad
24.	Muhammad Asim Noor	CIIT, Islamabad
25.	Muhammad Shiraz	Federal Urdu Univ., Islamabad
26.	Nasro Minallah	CIIT, Islamabad
27.	Rafia Mumtaz	NUST, Islamabad
28.	Sarah S Khan	NUST, Islamabad
29.	Sharifullah Khan	NUST, Islamabad
30.	Shoab A Khan	NUST, Islamabad

PUNJAB

Evaluators from Private Institutes

	Name	University
31.	Aasia Khanum	FC College Lahore
32.	Abdul Aziz	Superior University, Lahore
33.	Adnan Abid	UMT, Lahore
34.	Fakhar Lodhi	Gift University, Gujranwala
35.	Jahangir Ikram	LUMS, Lahore
36.	Khalid Hussain	University of Lahore
37.	Naveed Arshad	LUMS, Lahore
38.	Qaiser Durrani	Gift University, Gujranwala
39.	Shafay Shumail	LUMS, Lahore
40.	Syed Muhammad Ahsan	Qarshi University, Lahore
41.	Tabassum Naz	University of Lahore
42.	Zartash Afzal Uzmi	LUMS, Lahore

Evaluators from Public Institutes

43.	Adnan Habib	UET, Taxila
44.	Asad Hussain	CIIT, Lahore
45.	Ehsan Ullah Munir	CIIT, Wah Cantt.
46.	Farman Ali Khan	CIIT Attock
47.	Haroon A Babri	UET, Lahore
48.	M Ikram Ullah	University of Sargodha
49.	M Murtaza Yousaf	PUCIT, Lahore
50.	M Ramzan Talib	GCU, Faisalabad
51.	Muhammad Ali Maud	UET, Lahore
52.	Muhammad Asif	National Textile University, Faisalabad
53.	Muhammad Ilyas	University of Sargodha
54.	Muhammad Shahbaz	UET, Lahore
55.	Muhammad Sharif	CIIT, Wah Cantt.
56.	Nadir Shah	CIIT, Wah Cantt.
57.	Saleem Ullah	KFUET, Rahim Yar Khan
58.	Shahzad Sarwar	PUCIT, Lahore
59.	Suleman Mazhar	IT University, Lahore
60.	Syed Mansoor Sarwar	PUCIT, Lahore
61.	Waqar Mehmood	CIIT, Wah Cantt.
62.	Waqar ul Qounain Jaffry	PUCIT, Lahore
63.	Zubair Nawaz	PUCIT, Lahore
64.	Zulfiqar Habib	CIIT, Lahore

SINDH

Evaluators from Private Institutes

65.	Aqeel Ur Rehman	Hamdard University, Karachi
66.	Asim Imdad Wagan	MAJU, Karachi
67.	Feroz Ahmad Siddiqui	IQRA University, Karachi
68.	Jawad Ahmad Shamsi	NUCES(FAST), Karachi
69.	M Atif Tahir	NUCES(FAST), Karachi
70.	M Mubeen Movania	DHA Suffa University, Karachi
71.	M Shahab Siddiqui	Jinnah Univ. for Women, Karachi
72.	Noman Islam	IQRA University, Karachi
73.	S.M. Aqil Burney	IoBM, Karachi
74.	Syed Asif Ali	SMI University, Karachi
75.	Syed Imran Jami	MAJU, Karachi
76.	Zubair A Sheikh	MAJU, Karachi

Evaluators from Public Institutes

77.	Abdul Rehman Soomrani	IBA Sukkar
78.	Aftab Ahmad Sheikh	Sindh Madrasatul Islam, Karachi
79.	Akram Sheikh	MUET, Jamshoro
80.	Imdad Ali Ismaili	University of Sindh, Jamshoro
81.	M Sadiq Ali Khan	University of Karachi
82.	Muhammad Sayeed Ghani	IBA, Karachi
83.	Mukhtiar Ali Unar	MUET, Jamshoro
84.	Nadeem Mehmood	Karachi University of
85.	Nasir Tauheed	IBA, Karachi
86.	Noor A Sheikh	Shah Abdul Latif Univ., Khairpur
87.	Shakeel Khoja	IBA, Karachi
88.	Tehseen Jilani	University of Karachi

KHYBER PUKHTUNKHAWA
Evaluators from Private Institutes

89.	Fazal e Basit	NUCES (FAST), Peshawar
90.	Masroor Hussain	GIKI, Swabi
91.	Zahid Haleem	GIKI Swabi

Evaluators from Public Institutes

92.	Ambreen Shahnaz	SBBWU, Peshawar
93.	Fawad Qayum	University of Malakand
94.	Jamil Ahmad	KUST, Kohat
95.	Khizar Hayat	CIIT, Abbottabad
96.	Muhammad Abid Khan	University of Peshawar
97.	Neelam Gohar	SBBWU, Peshawar
98.	Sajid Anwar	IM Sciences, Peshawar
99.	Salma Noor	SBBWU, Peshawar
100.	Umer Farooq	UST, Bannu

BALOCHISTAN
Evaluators from Public Institutes

101.	Abdul Samad	BUITEMS, Quetta
102.	Faisal Ahmed Khan Kakar	BUITEMS, Quetta
103.	M Khalid Badini	University of Balochistan, Quetta

EVALUATORS BY SECTOR

Private 39%

Public 61%
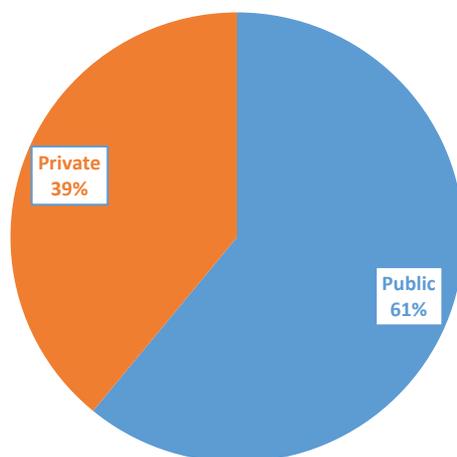
Meetings and Workshops

General Council and Accreditation Standard Committee Meetings

NCEAC General Council (GC) evaluates the reports prepared by its Program Evaluators after accreditation visits. NCEAC GC deliberates on the observations of the accreditation team, to decide the batches of students to be accredited. Other operational matters are also considered in these meetings. During the Financial Year 2017-18, NCEAC held four General Council Meetings. In these Meetings, 72 degree programs of 47 Institutes were presented.

Group Photo after NCEAC 27th General Council Meeting Oct 19, 2017

NCEAC 28th General Council Meeting Oct 19, 2017

Region Wise Training Workshops of Program Evaluators

NCEAC conducted four Program Evaluators Training Workshop in different Regions. About forty participants from each Region attended these workshops. The Main focus of trainings was on:

- System of Accreditation (Zero Visit, Interim Visit & Accreditation Visit)
- Process & Procedure of Program Accreditation
- Selection of PEs & Outcomes of Accreditation Visits (Purpose of Accreditation Visit and PE Roles)
- Steps for Seeking Accreditation
- Proposed Improvements & Suggestions in Accreditation Process
- Features of Program Assessment and Accreditation
- Principles of Effective Assessment

- Code of conduct for Accreditation Inspection Committee (AIC)/Program Evaluators
- Attributes of Program Evaluators
- Format/Structure of the AIC Report /Sample Templates
- Assessment Exercise and Interaction with Stakeholders
- Accreditation as an Instrument of Quality Enhancement

NCEAC 4ᵗʰ Program Evaluator Training Workshop at Federal Region was held on March 2, 2018 at Margala Hotel Islamabad
(Dr. Shafay Shamail, Associate Professor-LUMS, Lahore was the Recourse person of training Workshop)

NCEAC 4ᵗʰ Program Evaluator Training Workshop at Sindh Region was held on February 8, 2018 at HEC Regional Centre Karachi
(Dr. Zubair A Sheikh, President MAJU, Karachi was the Resource person of this Workshop)

NCEAC 4th Program Evaluator Training Workshop at KPK Region was held on February 22, 2018 at HEC Regional Centre Peshawar
(Dr. Shafaat Ahmad Bazaz, Vice Chancellor, CASE Islamabad was the Resource person of this Workshop)

NCEAC 4th Program Evaluator Training Workshop at Lahore Region was held on February 17, 2018 at HEC Regional Centre Lahore
(Dr. Shoab A Khan, HoD CS, CEME, NUST, Islamabad was the Resource person of this Workshop)

Region Wise Training Seminars on Computer Technologies

A total of twelve training seminars were arranged with the collaboration of HEC, NCEAC and Pakistan Software House Association (P@SHA) in Islamabad, Lahore, Karachi and Peshawar. Out of twelve seminars, five were held in Islamabad, two in Lahore, four in Karachi and one in Peshawar. These seminars were attended by more than 150 participants. The Resource Persons for these seminars belonged to both academia and industry. They provided training on the following five topics:

- Blockchain
- Machine Learning
- Data Analytics and Big Data
- Cyber Security, and
- Open Stack and Cloud Computing

Mr. Haris Hassan (L) receiving a souvenir from Chairman NCEAC (R)

Participants of Training Seminar on Blockchain at Islamabad Region

Meeting of HEC Councils about Online Registration System for students, Alumni and Qualified Professionals

A meeting about "Registration of Students, Alumni and Qualified Professionals" was held on February 12, 2018, under the supervision of Quality Assurance Agency of HEC. It was attended by the Chairman and secretarial staff of the following Councils.

- National Business Education Accreditation Council
- National Accreditation Council for Teacher Education
- National Agriculture Education Accreditation Council
- National Technology Council
- National Computing Education Accreditation Council, and
- Representatives of Quality Assurance Agency, HEC

The Executive Director, HEC (Dr. Arshad Ali) briefed about the purpose of the Meeting. Chairman NCEAC briefed the participants about the previous three meetings on student registration system. NCEAC IT team demonstrated campus panel & administrative panel of the student registration system.

Upcoming Measures in 2019

- ➢ Accreditation Automation System
- ➢ Region Wise Training Seminars on Accreditation Automation System for Program Evaluators
- ➢ Region Wise Awareness Seminars for students and other stakeholders for the awareness of the benefits of Accreditation and feedback from employers about Alumni of graduates in the respective fields for improving quality of programs being offered at universities.
- ➢ Accreditation Inspection Visits of Accredited and non-Accredited Institutions.
- ➢ Induction & Training of new Program Evaluators for Accreditation Inspection Committee.

Annex A

Inclusive Accredited Batches of Institutes

1. **Abasyn University, Islamabad Campus**
    BS (Software Engineering)
    Batches admitted in
    >   Fall 2012
    >   Fall 2011

2. **Abasyn University, Peshawar Campus**
    BS (Computer Science)
    Batches admitted in
    >   Fall 2013
    >   Fall 2012
    >   -----------
    >   Fall 2010
    >   Fall 2009
    >   -----------
    >   -----------
    >   Fall 2006
    BS (Software Engineering)
    Batches admitted in
    >   Fall 2013
    >   Fall 2012
    >   -----------
    >   Fall 2010
    >   Fall 2009

3. **Air University, Islamabad Campus**
    BS (Computer Science)
    Batches admitted in
    >   Fall 2014
    >   Fall 2013
    >   ------------
    >   Fall 2011
    >   Fall 2010
    >   Fall 2009
    >   Fall 2008
    >   Fall 2007

4. **Aligarh Institute of Technology, Karachi**
    BS (Computer Science)
    Batches admitted in
    >   Fall 2009

5. **Army Public College of Management Sciences (APCOMS), Rawalpindi**
    BS (Software Engineering)
    Batches admitted in
    >   Fall 2011
    >   -----------
    >   Fall 2009
    >   -----------
    >   Fall 2007

6. **Bahauddin Zakariya University, Multan Campus**
    BS (Computer Science)
    Batches admitted in
    >   Fall 2013
    >   -----------
    >   -----------
    >   -----------
    >   -----------
    >   -----------
    >   Fall 2007
    BS (Information Technology)
    Batches admitted in
    >   Fall 2007

7. **Bahria University, Islamabad Campus**
    BS (Computer Science)
    Batches admitted in
    >   Fall 2013
    >   Fall 2012
    >   Fall 2011
    >   Fall 2010
    >   Fall 2009
    >   Fall 2008
    >   Fall 2007
    BS (Information Technology)
    Batches admitted in
    >   Fall 2015
    >   Fall 2014

8. **Bahria University, Karachi Campus**
BS (Computer Science)
Batches admitted in
Fall 2013
Fall 2012

Fall 2010
Fall 2009
Fall 2008
Fall 2007

9. **Bahria University, Lahore Campus**
BS (Computer Science)
Batches admitted in
Fall 2014

10. **Balochistan Uni. Of IT, Eng. & Mngt Sciences, Quetta**
BS (Computer Science)
Batches admitted in
Fall 2013
Fall 2012
Fall 2011
Fall 2010
Fall 2009
Fall 2008
BS (Information Technology)
Batches admitted in
Fall 2013
Fall 2012
Fall 2011
Fall 2010
Fall 2009
Fall 2008

11. **Baqai Medical University, Karachi**
BS (Bioinformatics)
Fall 2012

12. **Beaconhouse National University, Lahore**
BS (Computer Science)
Batches admitted in
Fall 2010
BS (Software Engineering)
Batches admitted in
Fall 2015
Fall 2014

Fall 2012

13. **Capital University of Science & Technology, Islamabad**
BS (Computer Science)
Batches admitted in
Fall 2013
Fall 2012

14. **CECOS University, Peshawar**
BS (Computer Science)
Batches admitted in
Fall 2012

15. **Center for Advanced Studies in Engineering (CASE), Islamabad**
BS (Computer Science)
Batches admitted in
Fall 2015
Fall 2014
Fall 2013
Fall 2012
Fall 2011

16. **City University Of Science & IT, Peshawar**
BS (Computer Science)
Batches admitted in
Fall 2015
Fall 2014
Fall 2013
Fall 2012
Fall 2011

Fall 2009
Fall 2008
Fall 2007
Fall 2006
BS (Software Engineering)
Batches admitted in
Fall 2014
Fall 2013
Fall 2012
Fall 2011

Fall 2009
Fall 2008
Fall 2007
Fall 2006

17. **COMSATS Institute of Information Technology, Abbottabad Campus**
BS (Computer Science)
Batches admitted in
Fall 2014
Spring 2014
Fall 2013
Spring 2013
Fall 2012
Spring 2012

Fall 2010
Spring 2010
Fall 2009
Spring 2009
Fall 2008
Spring 2008
Fall 2007
Spring 2007
Fall 2006
Spring 2006
Fall 2005
Spring 2005
Fall 2004
Spring 2004
BS (Software Engineering)
Batches admitted in
Fall 2013
Spring 2013
Fall 2012
Spring 2012

18. **COMSATS Institute of Information Technology, Attock Campus**
BS (Computer Science)
Batches admitted in
Fall 2013
Spring 2013
Fall 2012
Spring 2012

Fall 2010
Spring 2010
Fall 2009
Spring 2009
BS (Software Engineering)

Batches admitted in
Fall 2013
Spring 2013

19. **COMSATS Institute of Information Technology, Islamabad Campus**
BS (Computer Science)
Batches admitted in
Fall 2015
Spring 2015
Fall 2014
Spring 2014
Fall 2013
Spring 2013
Fall 2012
Spring 2012
Fall 2011
Spring 2011
Fall 2010
Spring 2010

Fall 2008
Spring 2008
Fall 2007
Spring 2007

Fall 2005
Spring 2005
Fall 2004
Spring 2004
BS (Bioinformatics)
Batches admitted in
Fall 2012
Spring 2012
Fall 2011
Spring 2011
BS (Software Engineering)
Batches admitted in
Fall 2015
Spring 2015
Fall 2014
Spring 2014
Fall 2013
Spring 2013
Fall 2012
Spring 2012

20.   COMSATS Institute of Information Technology, Lahore Campus
BS (Computer Science)
Batches admitted in
    Fall 2012
    Spring 2012
    Fall 2011
    Spring 2011
    Fall 2010
    Spring 2010
    Fall 2009
    Spring 2009
    Fall 2008
    Spring 2008
    Fall 2007
    Spring 2007
    Fall 2006
    Spring 2006
    Fall 2005
    Spring 2005
    Fall 2004
    Spring 2004

21.   COMSATS Institute of Information Technology, Lahore Campus
BS (Software Engineering)
Batches admitted in
    Fall 2013
    Spring 2013
    Fall 2012
    Spring 2012

22.   COMSATS Institute of Information Technology, Sahiwal Campus
BS (Computer Science)
Batches admitted in
    Fall 2013
    Spring 2013

    Fall 2009
    Spring 2009
    Fall 2008

    Spring 2008
BS (Software Engineering)
Batches admitted in
    Fall 2013
    Spring 2013

23.   COMSATS Institute of Information Technology, Vehari Campus
BS (Computer Science)
Batches admitted in
    Fall 2015
    Spring 2015
    Fall 2014
    Spring 2014

24.   COMSATS Institute of Information Technology, Wah Campus
BS (Computer Science)
Batches admitted in
    Fall 2010
    Spring 2010

    Fall 2008
    Spring 2008
    Fall 2007
    Spring 2007

    Fall 2004
    Spring 2004
BS (Software Engineering)
Batches admitted in
    Fall 2015
    Spring 2015
    Fall 2014
    Spring 2014
    Fall 2013
    Spring 2013

25.   DHA Suffa University, Karachi
BS (Computer Science)
Batches admitted in
    Fall 2013
    Fall 2012

26. **Federal Urdu Uni. Of Arts, Sci. & Tech., Islamabad**
BS (Computer Science)
Batches admitted in
  Fall 2010

27. **Forman Christian College, Lahore**
BS (Computer Science)
Batches admitted in
  Fall 2015
  Fall 2014
  Fall 2013
  Fall 2012
  Fall 2011

28. **Foundation University, Rawalpindi Campus**
BS (Software Engineering)
Batches admitted in
  Fall 2013
  Fall 2012
  Fall 2011
  Fall 2010
  Fall 2009
  Fall 2008

29. **Ghulam Ishaq Khan Institute, Swabi**
BS (Computer Science)
Batches admitted in
Fall 2013
Fall 2012
Fall 2011

30. **Gift University, Gujranwala Campus**
BS (Computer Science)
Batches admitted in
  Fall 2014

31. **Global Institute, Lahore**
BS (Computer Science)
Batches admitted in
  Fall 2011

32. **Government College University, Faisalabad**
BS (Computer Science)
Batches admitted in
  Fall 2008

Fall 2007

Fall 2004
BS (Software Engineering)
Batches admitted in
  Fall 2007

Fall 2004
BS (Information Technology)
Batches admitted in
  Fall 2007

Fall 2004

33. **Government College University, Lahore**
BS (Computer Science)
Batches admitted in
  Fall 2011
  Fall 2010

  Fall 2008

  Fall 2005

34. **Hamdard University, Islamabad Campus**
BS (Computer Science)
Batches admitted in
  Fall 2011

35. **Hamdard University, Karachi Campus**
BS (Computer Science)
Batches admitted in
  Fall 2015
  Fall 2014

  Fall 2011
  Fall 2010
  Fall 2009
  Fall 2008

36. **HITEC University, Taxila**
BS (Computer Science)
Batches admitted in
  Fall 2014
  Fall 2013
  Fall 2012

37.   IBA, Karachi
BS (Computer Science)
Batches admitted in
Fall 2014
Fall 2013
Fall 2012

Fall 2006
Fall 2005
Fall 2004

38.   Imperial College, Lahore
BS (Computer Science)
Batches admitted in
Fall 2012
Fall 2011

39.   Indus University, Karachi
BS (Computer Science)
Batches admitted in
Fall 2014

Fall 2012

Fall 2010
BS (Software Engineering)
Batches admitted in
Fall 2014

40.   Information Technology University, Lahore
BS (Computer Science)
Batches admitted in
Fall 2015
Fall 2014
Fall 2013

41.   Institute of Business & Management Karachi
BS (Computer Science)
Batches admitted in
Fall 2013
Fall 2012

Fall 2009

42.   Institute of Business & Technology
(BizTek) Karachi
BS (Computer Science)
Batches admitted in
Fall 2012

Fall 2010

Fall 2008
BS (Software Engineering)
Batches admitted in
Fall 2012

Fall 2010

43.   International Islamic University, Islamabad
BS (Computer Science)
Batches admitted in
Fall 2014
Fall 2013
Fall 2012
Fall 2011

Fall 2009
Fall 2008
Fall 2007
Fall 2006
Fall 2005
Fall 2004
BS (Software Engineering)
Batches admitted in
Fall 2014
Fall 2013
Fall 2012
Fall 2012
Fall 2011

Fall 2009
Fall 2008
Fall 2007
Fall 2006
Fall 2005
Fall 2004

44. **IQRA National University, Peshawar**
BS (Computer Science)
Batches admitted in
    Fall 2012
BS (Software Engineering)
Batches admitted in
    Fall 2012

45. **IQRA University (Main Campus) Karachi**
BS (Computer Science)
Batches admitted in
    Fall 2010
    Fall 2009
    Fall 2008

46. **IQRA University, Islamabad Campus**
BS (Computer Science)
Batches admitted in
    Fall 2015
    Fall 2014

    Fall 2012
    Fall 2011
    Fall 2010
    Fall 2009
    Fall 2008
    Fall 2007
BS (Software Engineering)
Batches admitted in
    Fall 2015
    Fall 2014

47. **ISRA University, Hyderabad**
BS (Computer Science)
Batches admitted in
    Fall 2013
    Fall 2012

    Fall 2010
    Fall 2009
    Fall 2008
BS (Software Engineering)
Batches admitted in
    Fall 2013
    Fall 2012
    Fall 2010
    Fall 2009

48. **Jinnah University for Women, Karachi**
BS (Computer Science)
Batches admitted in
    Fall 2016
    Fall 2015
    Fall 2014

    Fall 2009
    Fall 2008
BS (Software Engineering)
Batches admitted in
    Fall 2015
    Fall 2014

49. **Karakuram International University. Gilgit**
BS (Computer Science)
Batches admitted in
    Fall 2012
BS (Software Engineering)
Batches admitted in
    Fall 2012
BS (Information Technology)
Batches admitted in
    Fall 2012

50. **Khan Institute of Computer Science & Information Technology (KICSIT), Kahuta**
BS (Information Technology)
Batches admitted in
    Fall 2013
    Spring 2013

51. **Lahore College for Women University, Lahore**
BS (Computer Science)
Batches admitted in
    Fall 2004

52. **Lahore Garrison University, Lahore**
BS (Computer Science)
Batches admitted in
    Fall 2013

53.   Lahore University of Management Sciences (LUMS), Lahore
BS (Computer Science)
Batches admitted in
    Fall 2015
    Fall 2014
    Fall 2013

54.   Madresa Tul Banat College, Sadiqabad
BS (Computer Science)
Batches admitted in
    Fall 2012

55.   Mirpur Uni. Of Sci. & Tech., Mirpur AJ&K
BS (Computer Science)
Batches admitted in
    Fall 2012
    Fall 2011
BS (Software Engineering)
Batches admitted in
    Fall 2008
    Fall 2007
BS (Information Technology)
Batches admitted in
    Fall 2012
    Fall 2011

56.   Mohammad Ali Jinnah University (MAJU), Islamabad
BS (Computer Science)
Batches admitted in
    Fall 2010
    Fall 2009
    Fall 2008
    Fall 2007
    Fall 2006

57.   Mohammad Ali Jinnah University (MAJU), Karachi
BS (Computer Science)
Batches admitted in   Fall 2014
    Fall 2013
BS (Software Engineering)
Batches admitted in
    Fall 2014
    Fall 2013

58.   NAML College, Mianwali
BS (Computer Science)
    Zero Visit

59.   National Textile University, Faisalabad
BS (Computer Science)
Batches admitted in
    Fall 2011
    Fall 2010
    Fall 2009

60.   National University of Computer & Emerging Sciences-FAST, Chiniot-Faisalabad Campus
BS (Computer Science)
Batches admitted in
    Fall 2012

61.   National University of Computer & Emerging Sciences-FAST, Islamabad Campus
BS (Computer Science)
Batches admitted in
    Fall 2014
    Fall 2013
    Fall 2012
    Fall 2011
    Fall 2010
    Fall 2009
    Fall 2008
    Fall 2007
    Fall 2006

62.   National University of Computer & Emerging Sciences-FAST, Karachi Campus
BS (Computer Science)
Batches admitted in
    Fall 2014
    Fall 2013
    Fall 2012

    Fall 2010
    Fall 2009

    Fall 2007
    Fall 2006

63. **National of Computer & Emerging Sciences-FAST, Lahore Campus**

BS (Computer Science)

Batches admitted in

    Fall 2013
    Fall 2012

    Fall 2010
    Fall 2009
    Fall 2008
    Fall 2007
    Fall 2006

64. **National University of Computer & Emerging Sciences-FAST, Peshawar Campus**

BS (Computer Science)

Batches admitted in

    Fall 2013
    Fall 2012
    Fall 2011
    Fall 2010
    Fall 2009
    Fall 2008
    Fall 2007
    Fall 2006

65. **National University of Modern Languages, Islamabad Campus**

BS (Software Engineering)

Batches admitted in

    Fall 2013
    Spring 2013
    Fall 2012
    Spring 2012

    Fall 2010
    Spring 2010

BS (Computer Science)

Batches admitted in

    Fall 2013
    Spring 2013
    Fall 2012
    Spring 2012

    Fall 2010
    Spring 2010

    Fall 2008
    Spring 2008

66 **NUST-SEECS, Islamabad**

BS (Information Technology)

Batches admitted in

    Fall 2009
    Fall 2008
    Fall 2007
    Fall 2006
    Fall 2005
    Fall 2004

BS (Computer Science)

Batches admitted in

    Fall 2016
    Fall 2015
    Fall 2014
    Fall 2013
    Fall 2012
    Fall 2011

67. **PAF-Karachi Inst. of Economics & Tech, Karachi**

BS (Computer Science)

Batches admitted in

    Fall 2012

    Fall 2010
    Fall 2009

68. **Pakistan Institute of Engg. & Technology, Multan**

BS (Computer Science)

Batches admitted in

    Fall 2014
    Fall 2013

69. **Pakistan Institute of Engineering & Applied Sciences (PIEAS), Islamabad**
BS (Computer Information System)
Batches admitted in
Fall 2016
Fall 2015
Fall 2014

Fall 2008
Fall 2007
Fall 2006
Fall 2005
Fall 2004
Fall 2003

70. **Pakistan Navy Engineering College (PNEC), Karachi**
BS (Management Information System)
Batches admitted in
Fall 2012
Fall 2011
Fall 2010
Fall 2009
Fall 2008
Fall 2007
Fall 2006

71. **PMAS Arid Agriculture Uni, Rawalpindi**
BS (Computer Science)
Batches admitted in
Fall 2006

72. **Preston University, Islamabad Campus**
BS (Computer Science)
Batches admitted in
Fall 2013
Fall 2012

Fall 2009

73. **Preston University, Karachi**
BS (Computer Science)

Batches admitted in
Fall 2013

74. **Preston University, Kohat**
BS (Computer Science)
Batches admitted in
Fall 2014

75. **Preston University, Peshawar Campus**
BS (Computer Science)
Accreditation for
6 Months

76. **PUCIT, Lahore**
BS (Computer Science)
Batches admitted in
Fall 2012
Fall 2011
Fall 2010

Fall 2008
Fall 2007
Fall 2006
BS (Software Engineering)
Batches admitted in
Fall 2012
Fall 2011
Fall 2010

Fall 2008
Fall 2007
Fall 2006
BS (Information Technology)
Batches admitted in
Fall 2012
Fall 2011
Fall 2010

Fall 2008
Fall 2007
Fall 2006

77. **Qurtuba University, DIKhan Campus**
BS (Computer Science)
Batches admitted in
Fall 2010

Fall 2007

78. **Rachna College of Eng. & Tech, Gujranwala**
BS (Computer Science)
Batches admitted in
Fall 2011

79. **Riphah International University, Islamabad**
BS (Software Engineering)
Batches admitted in
Fall 2011
Fall 2010
Fall 2009

80. **Sarhad University of Science & Tech, Peshawar**
BS (Computer Science)
Batches admitted in
Fall 2013
Fall 2012

Fall 2010
Fall 2009

Fall 2007
Fall 2006
BS (Software Engineering)
Batches admitted in
Fall 2013
Fall 2012

81. **Shaheed Benazir Bhutto Women University, Peshawar**
BS (Bioinformatics)
Batches admitted in
Fall 2013
Fall 2012
Fall 2011
Fall 2010
Fall 2009
Fall 2008
BS (Computer Science)
Batches admitted in
Fall 2012

82. **Sindh Institute of Mgmt. & Technology, Karachi**
BS (Computer Science)
Interim Visit

83. **Sindh Madresatul Islam University, Karachi**
BS (Computer Science)
Batches admitted in
Fall 2013
Fall 2012

84. **Sukkur Institute of Business**
Administration, Sukkur
BS (Computer Science)
Batches admitted in
Fall 2014
Fall 2013

Fall 2011
Fall 2010
Fall 2009

Fall 2007
Fall 2006
Fall 2005
BS (Software Engineering)
Batches admitted in
Fall 2014
Fall 2013

Fall 2011
Fall 2010
Fall 2009

85. **SZABIST, Hyderabad Campus**
BS (Computer Science)
Batches admitted in
Fall 2011

86. **SZABIST, Islamabad Campus**
BS (Computer Science)
Batches admitted in
Fall 2014
Fall 2013

87. **SZABIST, Karachi Campus**
BS (Computer Science)
Batches admitted in
Fall 2013
Fall 2012
Fall 2011
Fall 2010
Fall 2009

88. **The Women University, Multan**
BS (Computer Science)
Batches admitted in
Fall 2014
Fall 2013
BS (Information Technology)
Batches admitted in
Fall 2012

89. **University of AJ&K, MZD**
BS (Computer Science)
Batches admitted in
Fall 2010
Fall 2009
Fall 2008
Fall 2007
BS (Software Engineering)
Batches admitted in
Fall 2012
Fall 2011
Fall 2010
Fall 2009
Fall 2008

90. **University of Balochistan, Quetta**
BS (Computer Science)
Batches admitted in
Fall 2009
BS (Information Technology)
Batches admitted in
Fall 2009

91. **University of Central Punjab, Lahore**
BS (Computer Science)
Batches admitted in
Fall 2015
Fall 2014

Fall 2011

Fall 2009

92. **University of Education, Lahore**
BS (Information Technology)
Batches admitted in
Fall 2009

93. **University of Education, Multan**
BS (Information Technology)
Batches admitted in
Fall 2010

94. **University of Engineering & Technology (Lahore), Narowal Campus**
Interim Visit

95. **University of Engineering & Technology, Lahore**
BS (Computer Science)
Batches admitted in
Fall 2015
Fall 2014
Fall 2013
Fall 2012
Fall 2011
Fall 2010
Fall 2009
Fall 2008
Fall 2007
Fall 2006
Fall 2005
Fall 2004

96. **University of Engineering & Technology, Taxila**
BS (Software Engineering)
Batches admitted in
Fall 2004
Fall 2003

97. **University of Gujrat (Hafiz Hayat Campus), Gujrat**
BS (Information Technology)
Batches admitted in
Fall 2014

Fall 2008
BS (Computer Science)
Batches admitted in
Fall 2014
BS (Software Engineering)
Batches admitted in
Fall 2014

98. **University of Gujrat, Lahore Sub Campus BS (Computer Science)**
Batches admitted in
    Fall 2014
    Fall 2013
BS (Software Engineering)
Batches admitted in
    Fall 2014
    Fall 2013
BS (Information Technology)
Batches admitted in
    Fall 2014
    Fall 2013

99. **University of Haripur, Haripur**
BS (Computer Science)
Batches admitted in
    Fall 2013
    Fall 2012

    Fall 2010

100. **University of Lahore, Islamabad Campus**
BS (Computer Science)
Batches admitted in
    Fall 2013

101. **University of Lahore, Lahore Campus**
BS (Computer Science)
Batches admitted in
    Fall 2012
    Fall 2011
    Fall 2010
BS (Software Engineering)
Batches admitted in
    Fall 2015
    Fall 2014

102. **University of Malakand, Malakand**
BS (Software Engineering)
Batches admitted in
    Fall 2012
    Fall 2011
BS (Computer Science)
Batches admitted in
    Fall 2013
BS (Information Technology)

Batches admitted in
    Fall 2013

103. **University of Management & Technology, Sialkot Campus**
BS (Computer Science)
Batches admitted in
    Fall 2014
BS (Software Engineering)
Batches admitted in
    Fall 2014

104. **University of Management and Technology, Lahore**
BS (Computer Science)
Batches admitted in
    Fall 2013
    Fall 2012

    Fall 2009
    Fall 2008
BS (Software Engineering)
Batches admitted in
    Fall 2013
    Fall 2012

    Fall 2009
    Fall 2008
BS (Information Technology)
Batches admitted in
    Fall 2013
    Fall 2012

105. **University of Peshawar, Peshawar**
BS (Computer Science)
Batches admitted in
    Fall 2008
    Fall 2007

106. **University of Poonch, Rawalakot**
BS (Computer Science)
Batches admitted in
    Fall 2010
BS (Software Engineering)
Batches admitted in
    Fall 2012

107. University of Sargodha, Faisalabad, Women Campus
BS (Computer Science)
Batches admitted in
    Fall 2013
BS (Software Engineering)
Batches admitted in
    Fall 2013
BS (Information Technology)
Batches admitted in
    Fall 2013

108. University of Sargodha, Mandi Bahauddin Campus
BS (Computer Science)
Batches admitted in
    Fall 2014
BS (Software Engineering)
Batches admitted in
    Fall 2014
BS (Information Technology)
Batches admitted in
    Fall 2014

109. University of Sargodha, Sargodha Campus
BS (Computer Science)
Batches admitted in
    Fall 2010

    Fall 2007
BS (Software Engineering)
Batches admitted in
    Fall 2010
BS (Information Technology)
Batches admitted in
    Fall 2010

    Fall 2007

110. University of Science & Technology, Bannu
BS (Computer Science)
Batches admitted in
    Fall 2012
    Fall 2011

    Fall 2007
BS (Software Engineering)
Batches admitted in
    Fall 2007

111. University of Swat, Swat
BS (Computer Science)
atches admitted in
    Fall 2011

112. University of Wah, Wah
BS (Computer Science)
    Batches admitted in
    Fall 2013
    Fall 2012
    Fall 2011
    Fall 2010

113. Usman Institute of Technology, Karachi
BS (Computer Science)
Batches admitted in
    Fall 2014
    Fall 2013
    Fall 2012
    Fall 2011

    Fall 2009
    Fall 2008

114. Ziauddin University, Karachi (North Nazimabad)
BS (Software Engineering)
    (Zero Visit)

Zia Masood Kiani & Co.
CHARTERED ACCOUNTANTS

Independent Auditor's Report to National Computing Education Accreditation Council (NCEAC)

Opinion

We have audited the financial statements of National Computing Education Accreditation Council (NCEAC), which comprise of balance sheet as at June 30, 2018, income and expenditure statement and statement of cash flows for the year then ended, and notes to the financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of National Computing Education Accreditation Council as at June 30, 2018 and of its financial performance and its cash flows for the year then ended in accordance with approved accounting and reporting standards as applicable in Pakistan.

Basis for Opinion

We conducted our audit in accordance with the International Standards on Auditing (ISAs) as applicable in Pakistan. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the 'National Computing Education Accreditation Council' in accordance with the International Ethics Standards Board for Accountants' Code of Ethics for Professional Accountants as adopted by the Institute of Chartered Accountants of Pakistan (the Code) and we have fulfilled our other ethical responsibilities in accordance with the Code. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

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

The Management is responsible for the preparation of the financial statements in accordance with approved accounting and reporting standards as applicable in Pakistan, and for such internal control as the Management determine is necessary to enable the preparation of the 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 National Computing Education Accreditation Council 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 intends to liquidate the National Computing Education Accreditation Council or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the National Computing Education Accreditation Council financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statement

Our objectives are 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 our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs as applicable in Pakistan 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.

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Zia Masood Kiani & Co.
CHARTERED ACCOUNTANTS

As part of an audit in accordance with ISAs as applicable in Pakistan, we exercise professional judgment and maintain professional skepticism throughout the audit. We 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 our 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 National Computing Education Accreditation Council' internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by Management.
- Conclude on the appropriateness of 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 National Computing Education Accreditation Council ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Council 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 underline transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

ISLAMABAD
Date 16/8/18

ZIA MASOOD KIANI & CO
(Chartered Accountants)

Engagement Partner
ZIAULLAH-FCA

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Annex B

NCEAC BUGET UTILIZATION REPORT FY 2017-18

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HIGHER EDUCATION COMMISSION
NATIONAL COMPUTING EDUCATION ACCREDITATION COUNCIL (NCEAC)

BALANCE SHEET

AS AT JUNE 30, 2018

	Note	2018 (Rupees)	2017 (Rupees)
ASSETS			
Non-Current Assets			
Property, plant and equipment	4	600,212	339,510
Intangible assets	5	27,494	31,333
		627,706	370,843
Current Assets			
Advance tax		507,166	400,937
Cash and bank balances	6	29,191,026	21,954,823
		29,698,192	22,355,760
		30,325,898	**22,726,603**
FUNDS AND LIABILITIES			
General fund	7	30,172,037	22,599,047
Current Liabilities			
Accrued and other payables	8	153,861	127,556
		30,325,898	**22,726,603**

The annexed notes from 1 to 9 form an integral part of these financial statements.

Chairman

HIGHER EDUCATION COMMISSION

NATIONAL COMPUTING EDUCATION ACCREDITATION COUNCIL (NCEAC)

INCOME AND EXPENDITURE STATEMENT

FOR THE YEAR ENDED JUNE 30, 2018

	Note	2018 (Rupees)	2017 (Rupees)
Income			
Accreditation fee		8,700,000	10,500,000
Zero visit fee		225,000	150,000
Interim visit fee		300,000	-
Grant from HEC		3,000,000	-
Interest income		906,400	658,908
		13,131,400	11,308,908
Expenditure			
Salaries and other benefits		2,420,386	1,322,879
Honorarium		800,000	796,887
Entertainment		42,110	29,967
Printing and stationery		174,529	53,967
Travelling and daily allowance		1,724,252	2,029,673
Training and Workshop		62,152	-
Telephone and internet		28,791	36,972
Bank charges		5,396	3,472
Utilities		-	-
Office supplies		28,962	12,761
Professional expenses		35,000	70,000
Repair and maintenance		-	8,000
Courier charges		75,641	76,739
Amortization	5	6,874	8,000
Depreciation	4	154,317	119,835
		5,558,410	4,569,152
Surplus for the year		7,572,990	6,739,756

The annexed notes from 1 to 9 form an integral part of these financial statement.

Chairman

HIGHER EDUCATION COMMISSION
NATIONAL COMPUTING EDUCATION ACCREDITATION COUNCIL (NCEAC)

CASH FLOW STATEMENT
FOR THE YEAR ENDED JUNE 30, 2018

	Note	2018 (Rupees)	2017 (Rupees)
Net Surplus		7,572,990	6,739,756
Non-cash adjustments			
Depreciation		154,317	119,835
Amortization		6,874	8,000
		7,734,181	6,867,591
Cashflow from Working Capital Changes			
(Increase)/decrease in current assets			
Advance tax		(106,228)	(107,847)
Increase/ (decrease) in current liabilities			
Accrued and other payables		26,305	29,334
		(79,923)	(78,513)
Net Cashflow from operating activities		-	-
Net Cashflow from investing activities			
Intangible assets		(3,035)	
Purchase of property, plant and equipment		(415,020)	-
Net Cashflow from investing activities		(418,055)	-
Net Cashflow from financing activities		-	-
Net Cashflow for the year		7,236,203	6,789,078
Cash & Cash Equivalent at the start of the year		21,954,823	15,165,745
Cash & Cash Equivalent at the end of the year		29,191,026	21,954,823

The annexed notes from 1 to 9 form an integral part of these financial statement.

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Chairman

HIGHER EDUCATION COMMISSION

NATIONAL COMPUTING EDUCATION ACCREDITATION COUNCIL (NCEAC)

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEAR ENDED JUNE 30, 2018

Note 1
LEGAL STATUS AND PRINCIPAL ACTIVITIES

National Computing Education Accreditation Council (NCEAC) is a project established by Higher Education Commission (HEC) in exercise of the powers under Article 10, subsection "e" of the Presidential Ordinance No. 2 (1) 2002 - public dated 11-09-2002 and approved by the commission in meeting held on December 21, 2004 for the accreditation of computing degree programs of institutions and provision of professional assistance to organizations and students.

Note 2
BASIS OF PREPARATION

2.1 Statement of compliance

These financial statements have been prepared in accordance with the provision of the ICAP's Guideline for Accounting and Financial Reporting by Non-Government / Non - Profit Organizations.

2.2 Basis of measurement

These financial statements have been prepared under the historical cost convention.

2.3 Functional and presentation currency

These financial statements are presented in Pakistani Rupee which is the Organization's functional currency. All amounts have been rounded off to nearest Rupee.

2.4 Significant accounting estimates and judgments

The preparation of financial statements in conformity with approved accounting standards require the use of certain critical accounting estimates. It also requires the management to exercise its judgment in the process of applying Organization's accounting policies. Estimates and judgments are continually evaluated and are based on historical experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances. The areas where various assumptions and estimates are significant to the Organization's financial statements or where judgments were exercised in application of accounting policies are as follows;

- Useful lives and Residual values of operating fixed assets

Note 4
Summary of Significant Accounting Policies

Significant accounting policies applied in the preparation of these financial statements are set out below. These policies have been consistently applied to all the years presented.

Note 3, Summary of Significant Accounting Policies - Continued...

3.1 Property, plant and equipment

Property, plant and equipment are stated at cost less accumulated depreciation and impairment loss, if any. Cost comprises of acquisition and other directly attributable cost.

Depreciation is calculated by applying reducing method and charged to income and expenditure account to write off the depreciable amount of each asset over its estimated useful life at the rate specified in note 4. Full year's depreciation is charged in the year of purchase and none in the year of disposal.

Renewals and replacements are recognized in the carrying amount of the property, plant and equipment if it is probable that future embodied economic benefits will flow to the Organization. Other maintenance and repairs are charged to the income and expenditure account. Gain or loss on disposal is taken to the income and expenditure account.

The carrying amounts of the Organization's assets are reviewed at each balance sheet date to determine whether there is any indication of impairment loss. If any such indication exists, recoverable amount is estimated in order to determine the extent loss, if any. Impairment losses are recognized as expense in the income and expenditure account.

3.2 Intangible assets

Computer Software is carried at cost less accumulated amortization, and any identified impairment losses. Amortization is calculated, using reducing balance method, to allocate the cost of software over its estimated useful life specified in Note 5, and is charged to income for the year. Costs associated with maintaining computer software, are recognized as an expense as and when incurred.

The amortization on computer software acquired during the year is charged from the month in which the software is acquired or capitalized, while no amortization is charged for the month in which the software is disposed off.

3.3 Impairment

The carrying amounts of the Organization's assets are reviewed at each balance sheet date to determine whether there is any indication of impairment loss. If any such indication exists, recoverable amount is estimated in order to determine the extent loss, if any. Impairment losses are recognized as expense in the income and expenditure account.

3.4 Cash & cash equivalents

Cash and cash equivalents comprise cash in hand, cash at bank in current account, demand deposits and other short term highly liquid investments that are readily convertible to known amounts of cash and which are subject to an insignificant risk of change in value. Cash and cash equivalents also consist of bank overdrafts repayable on demand, if any.

Cash and cash equivalents are carried in the balance sheet at cost.

3.5 Fund accounting

General fund comprises of the accumulated surplus/ deficits of unutilized funds and grants and are used by the NCEAC according to its own activity plans.

NATIONAL COMPUTING EDUCATION ACCREDITATION COUNCIL (NCEAC)   *Page 6 of 8*
Notes to the Financial Statements

Note 3, Summary of Significant Accounting Policies - Continued...

3.6 Trade and other payables

Liabilities for accrued and other payable are carried at cost, which is the fair value of the consideration to be paid in the future for goods and services received whether or not billed.

3.7 Financial instruments

Financial assets and financial liabilities are recognized when the Organization becomes a party to contractual provisions of the instrument. These are initially measured at cost which is fair value of the consideration given and received respectively. These financial assets and liabilities are subsequently measured at fair value and amortized cost respectively whichever is applicable. The Organization derecognizes financial assets and liabilities when it ceases to be a party to such contractual provisions of the instruments.

Financial assets mainly comprise of cash and bank balances. Significant financial liabilities are accrued and other payables.

3.8 Income recognition

Grants are recognized as income on receipt basis, when received. Accreditation fee is recognized on accrual basis. Profit on bank deposits is recognized on receipt basis.

3.9 Expenditure recognition

Expenditure are recognized on accrual basis to inome and expenditure account.

3.10 Provisions

A provision is recognized in the balance sheet when the Organization has a legal or constructive obligation as a result of past event and it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation and reliable estimate can be made of the amount of the obligation.

3.11 Off setting of financials assets and liabilities

Financial assets and liabilities are set off in the balance sheet, only when the Organization has a legally enforceable right to set off the recognized amounts and intends either to settle them on a net basis or to realize the assets and settle the liabilities simultaneously.

HIGHER EDUCATION COMMISSION
NATIONAL COMPUTING EDUCATION ACCREDITATION COUNCIL
Notes to the Financial Statements

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Note 4
PROPERTY, PLANT AND EQUIPMENT

	Furniture & Fixture	Office Equipment	Computer Equipment	Total
	----------------- Rupees -----------------			
Cost				
Balance as at July 01, 2016	218,700	426,500	688,799	1,333,999
Purchase during the year	-	-	-	-
Balance as at June 30, 2017	218,700	426,500	688,799	1,333,999
Balance as at July 01, 2017	218,700	426,500	688,799	1,333,999
Purchase during the year	66,020	113,000	236,000	415,020
Balance as at June 30, 2018	284,720	539,500	924,799	1,749,019
Depreciation				
Balance as at July 01, 2016	3,645	397,334	473,676	874,654
Charge for the year	43,011	5,833	70,991	119,835
Balance as at 30 June 2017	46,656	403,167	544,666	994,489
Balance as at July 01, 2017	46,656	403,167	544,666	994,489
Charge for the year	39,910	8,433	105,974	154,317
Balance as at June 30, 2018	86,566	411,600	650,640	1,148,807
Carrying amounts 2017	172,044	23,333	144,133	339,510
Carrying amounts 2018	198,154	127,900	274,159	600,212
Depreciation rate (%)	20%	20%	33%	

Note 5
INTANGIBLE ASSETS

	Software	Total
	------ Rupees ------	
Cost		
Balance as at June 30, 2017	40,000	40,000
Purchase during the year	3,035	3,035
Balance as at June 30, 2018	43,035	43,035
Amortization		
Balance as at June 30, 2017	8,667	8,667
Charge for the year	6,874	6,874
Balance as at June 30, 2018	15,541	15,541
Carrying amounts 2017	31,333	31,333
Carrying amounts 2018	27,494	27,494
Amortization rate (%)	20%	

HIGHER EDUCATION COMMISSION
NATIONAL COMPUTING EDUCATION ACCREDITATION COUNCIL (NCEAC)
Notes to the Financial Statements

Page 8 of 8

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Note 6
CASH AND BANK BALANCES

	Note	2018 Rupees	2017 Rupees
Cash in hand		20,945	10,089
Cash at bank			
- Current account - (PKR)		-	-
- Saving account - (PKR)		29,170,081	21,944,734
		29,191,026	21,954,823

Note 7
GENERAL FUND

	Note	2018 Rupees	2017 Rupees
Balance as at beginning of the year		22,599,047	15,859,291
Surplus for the year		7,572,990	6,739,756
Balance as at year end		30,172,037	22,599,047

Note 8
ACCRUED AND OTHER PAYABLES

	Note	2018 Rupees	2017 Rupees
Professional fee payable		90,000	90,000
Tax payable		26,347	10,027
Other payable		37,514	27,529
		153,861	127,556

Note 9
GENERAL

9.1 Figures have been rounded off to the nearest rupee.

9.2 These financial statements were authorized for issue on __15/8/18__ by the Chairman of the Council.

Chairman

Picture Gallery

4th PE Training workshop at Islamabad held on March 2, 2018

4th PE Training workshop at Lahore held on February 17, 2018

Training Seminar on Machine Learning at NUCES-FAST, Lahore held on August 13, 2018

Training Seminar on Cyber Security at NUCES-FAST, Islamabad held on August 8, 2018

Program Evaluators Training Workshop at Sindh Region on Feb 8, 2018

Dr. Shafaat Ahmad Bazaz (L) receiving a certificate from Chairman NCEAC (R)

Dr. Salma Noor (L) receiving a certificate from Chairman NCEAC (R)

Program Evaluators Training Workshop at Federal Region on March 2, 2018

23rd Accreditation Standard Committee Meeting held on March 15,2018

28th General Council Meeting held on March 15, 2018

Press Release

Higher Education Commission - Pakistan

News & Views

March-April 2018

NCEAC Bodies Discuss 32 Academic Programmes

The 23rd Meeting of Accreditation Standard Committee (ASC) and 28th General Council Meeting of National Computing Education and Accreditation Council (NCEAC) were recently held.

Dr. M. Ayub Alvi, Chairperson NCEAC presided over the meeting. Dr. Shoab A. Khan, Vice Chairman, NCEAC, ASC committee members and general council members were part of these meetings. A report on 32 recently evaluated programmes was presented along with recommendations. All recommendations about award of category and batches of the computing programmes inspected by programme evaluators were approved.

Moreover, NCEAC general council decided that December 31, 2018 will be the cut-off date for accreditation of computing degree programmes of institutions.

HEC, NCEAC Organises Workshops for Programme Evaluators

Quality Assurance Agency, Higher Education Commission, (HEC) Pakistan in collaboration with National Computing Education Accreditation Council (NCEAC) recently organised 4th Regional Programme Evaluators training workshops. The objectives of the workshops were to improve the relevant skills of NCEAC programme evaluators in undertaking accreditation inspection based on the criteria as set by the Council and to establish the credibility of accreditation process, system of accreditation, accreditation standards, accreditation criteria, guidelines and procedures among stakeholders as an effective tool for quality improvement.

Based on Regional as well as institutional representation, 60 participants for the workshop were nominated as NCEAC new programme evaluators.