National Technology Council

ANNUAL REPORT FY 2020-21

National Technology Council

Chairman's Message

I have been at NTC for over 12 months now. Our performance for the year has been, well, a mixed bag. While there have been successes which we are happy about, there are still tall administrative and legal mountains to climb before we can say" we have arrived". With each passing day, however, there is clarity about issues that were obfuscated for long in a toxic mix of undefined roles, confused interpretation of laws and adversarial positions held by stakeholders, particularly, engineers and technologists. Today we are ready to chart a new direction that bolsters technology, strengthens technologists, and benefits Pakistan. The government's sharp pivot towards technology -- and technologists as professionals -- is now showing results. It has generated a rational discussion at multiple levels and is in sync with a major global shift from pure knowledge to usable skills.

Today, even laymen understand that engineering practice includes engineers, technologists and technicians who complement each other with unique skill sets to achieve desired results. Engineers cannot perform their functions without technologists, and technologists without technicians are incomplete. These professionals have different competencies that are not replaceable, but for employment and upward mobility, they must have equitable opportunities.

HEC and NTC are working closely with the government for a sustainable policy framework that 1) Creates a fully autonomous National Technology Council through an Act pf Parliament, and 2) separates career paths for engineers and technologists in sectors where both are employed. It is our ernest endeavor to define a career path for technologists with the same entry-point-pay-scale as their colleagues, and similar promotions, albeit in a parallel service track.

To enhance skill sets of technologists, HEC has offered 200 overseas scholarships for MTech. and Ph. D programs. In the first round 26 scholars were selected and their placement in universities is in progress. NTC is working with universities running accredited B. Tech programs to start M. Tech and Ph.D. (Tech) programs after meeting HEC criteria. We are trying to create space for cross-fertilization. Where a technologist can move laterally into an engineering slot after going through an assessment process. Similarly, we are encouraging engineering universities to allow B. Tech graduates for admissions in M. Eng. programs after assessment.

I am happy that more and more institutions running bachelor's in technology programs are applying for accreditation, and graduates are registering themselves in increasing numbers. Only with a robust regulatory framework and stringent quality assurance protocols can we wash the societal stigma that is often attached to these professionals. HEI's are "factories" where skilled manpower is produced under the regulatory framework set by HEC and NTC. Success of our endeavors is measured on the touchstone of quality of graduates.
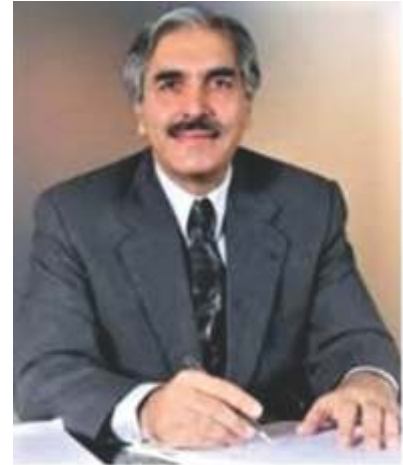
To raise standards, NTC has undertaken a major exercise to develop curriculum for engineering technology programs based on OBE and OBA models that are in substantial compliance with the Sydney Accord. We are working on curriculum for 10 (ten) streams in the first phase.

NTC's singular purpose is strengthening the technology sector with robust quality assurance protocols that helps produce skilled graduates to become powerful factors of production in Pakistan's development. It is heartening to note that technologists have acted professionally and given NTC strength to address their concerns in different forums more effectively. We are a family. Pulling in unison we can achieve great results. Together we shall clear the historic debris and afford you fair opportunities to excel in your areas of expertise. For this I need your continuous support!

I would like to thank HEC, Ministry of Education and Professional Training and Planning Commission of Pakistan for their support in our efforts. And finally, I thank technologists for the trust and support they have given NTC.

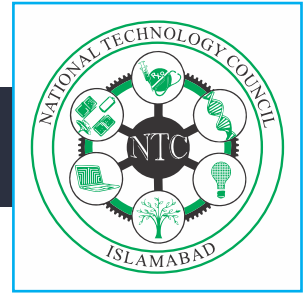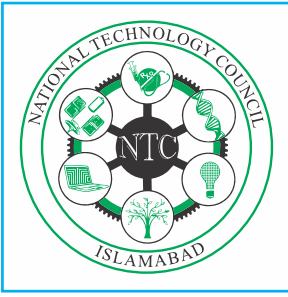Thank you and God bless you all!

Imtiaz H. Gilani

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Annual Report (2020-2021)

1. Introduction:

National Technology Council (NTC) is a subsidiary of HEC with a mandate to regulate technology education at graduate and post-graduate levels in Pakistan and register engineering technologists on its roster. Through an intense Accreditation process, the regulatory framework ensures that defined standards are met by HEI's running technology programs. In particular, it is ascertained that technology education curricula are aligned with NTC and HEC guidelines, have substantial equivalence with international standards, ensure Continual Quality Improvement protocols, and are based on Outcome Based Education defined by the Sydney Accord.

2. Vision and Mission Statements:

Vision:

Transform Pakistan through technology by ensuring high quality teaching and training to develop Technologists for the benefit of society.

Mission:

To accredit higher education programs for graduate technologists, stimulate quality, innovation in teaching and training self-evaluation and accountability in higher education. Help higher education institutions (HEI's) to realize their academic objectives to produce high quality professional technologists for the benefit of society and maintain National Register of technologists.

3. Code of Ethics

The following code of ethics is to be strictly followed by Technologists registered with NTC:

3.1

"And it is He who has made you successors upon the earth and has raised some of you above others in degrees [of rank] that He may try you through what He has given you. Indeed, your Lord is swift in penalty; but indeed, He is Forgiving and Merciful." 6:165	وَهُوَ ٱلَّذِى جَعَلَكُمْ خَلَـٰٓئِفَ ٱلْأَرْضِ وَرَفَعَ بَعْضَكُمْ فَوْقَ بَعْضٍ دَرَجَـٰتٍ لِّيَبْلُوَكُمْ فِى مَآ ءَاتَىٰكُمْ ۗ إِنَّ رَبَّكَ سَرِيعُ ٱلْعِقَابِ وَإِنَّهُۥ لَغَفُورٌ رَّحِيمٌ ١٦٥
"And do not mix the truth with falsehood or conceal the truth while you know." 2:42	وَلَا تَلْبِسُوا۟ ٱلْحَقَّ بِٱلْبَـٰطِلِ وَتَكْتُمُوا۟ ٱلْحَقَّ وَأَنتُمْ تَعْلَمُونَ ٤٢
"O you who have believed, avoid much [negative] assumption. Indeed, some assumption is sin. And do not spy or backbite each other. Would one of you like to eat the flesh of his brother when dead? You would detest it. And fear Allah; indeed, Allah is Accepting of repentance and Merciful." 49:12	يَـٰٓأَيُّهَا ٱلَّذِينَ ءَامَنُوا۟ ٱجْتَنِبُوا۟ كَثِيرًا مِّنَ ٱلظَّنِّ إِنَّ بَعْضَ ٱلظَّنِّ إِثْمٌ ۖ وَلَا تَجَسَّسُوا۟ وَلَا يَغْتَب بَّعْضُكُم بَعْضًا ۚ أَيُحِبُّ أَحَدُكُمْ أَن يَأْكُلَ لَحْمَ أَخِيهِ مَيْتًا فَكَرِهْتُمُوهُ ۚ وَٱتَّقُوا۟ ٱللَّهَ ۚ إِنَّ ٱللَّهَ تَوَّابٌ رَّحِيمٌ ١٢
"The repentance accepted by Allah is only for those who do wrong in ignorance [or carelessness] and then repent soon after. It is those to whom Allah will turn in forgiveness, and Allah is ever Knowing and Wise." 4:17	إِنَّمَا ٱلتَّوْبَةُ عَلَى ٱللَّهِ لِلَّذِينَ يَعْمَلُونَ ٱلسُّوٓءَ بِجَهَـٰلَةٍ ثُمَّ يَتُوبُونَ مِن قَرِيبٍ فَأُو۟لَـٰٓئِكَ يَتُوبُ ٱللَّهُ عَلَيْهِمْ ۗ وَكَانَ ٱللَّهُ عَلِيمًا حَكِيمًا ١٧

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English	Arabic
"O you who have believed, fulfill [all] obligations." 5:1	يَٰٓأَيُّهَا ٱلَّذِينَ ءَامَنُوٓا۟ أَوْفُوا۟ بِٱلْعُقُودِ ۚ ١
And the retribution for an evil act is an evil one like it, but whoever pardons and makes reconciliation - his reward is [due] from Allah. Indeed, He does not like wrongdoers.42:40	فِيمَا رَحْمَةٍ مِّنَ ٱللَّهِ لِنتَ لَهُمْ ۖ وَلَوْ كُنتَ فَظًّا غَلِيظَ ٱلْقَلْبِ لَٱنفَضُّوا۟ مِنْ حَوْلِكَ ۖ فَٱعْفُ عَنْهُمْ وَٱسْتَغْفِرْ لَهُمْ وَشَاوِرْهُمْ فِى ٱلْأَمْرِ ۖ فَإِذَا عَزَمْتَ فَتَوَكَّلْ عَلَى ٱللَّهِ ۚ إِنَّ ٱللَّهَ يُحِبُّ ٱلْمُتَوَكِّلِينَ ١٥٩
And whoever saves one - it is as if he had saved mankind entirely.5:32	فَكَأَنَّمَآ أَحْيَا ٱلنَّاسَ جَمِيعًا ۚ
And cooperate in righteousness and piety, but do not cooperate in sin and aggression. And fear Allah ; indeed, Allah is severe in penalty.5:4	وَتَعَاوَنُوا۟ عَلَى ٱلْبِرِّ وَٱلتَّقْوَىٰ ۖ وَلَا تَعَاوَنُوا۟ عَلَى ٱلْإِثْمِ وَٱلْعُدْوَٰنِ ۚ وَٱتَّقُوا۟ ٱللَّهَ ۖ إِنَّ ٱللَّهَ شَدِيدُ ٱلْعِقَابِ ٢
But if you do good and fear Allah - then indeed Allah is ever, with what you do, Acquainted.4:128	وَإِن تُحْسِنُوا۟ وَتَتَّقُوا۟ فَإِنَّ ٱللَّهَ كَانَ بِمَا تَعْمَلُونَ خَبِيرًا ١٢٨

3.2 Technologists shall uphold honor and integrity and advance the dignity of the technology profession by:

- o Using their knowledge and skills for improvement of human health, safety, and welfare
- o Being honest and impartial and serve with fidelity the public, their employees, and
- o Striving to increase the competence and prestige of the technology profession and supporting the professional and technical societies of their disciplines.

3.3 Technologists, in the fulfillment of their professional duties, shall:

- o Hold paramount the safety, health, and welfare of the public
- o Perform services only in areas of their competence
- o Issue public statements only in an objective and truthful manner
- o Act for each employer or client as faithful agents or trusties
- o Avoid deceptive acts
- o Conduct themselves honorably, responsibly, ethically and lawfully so as to enhance the honor, reputation and usefulness of the profession
- o Perform at their highest level
- o Participate only in honest enterprise
- o Live and work according to the divine and universally acceptable laws and the highest standards of professional conduct, and
- o Place service before profit, the honor and standing of the profession before personal advantage and the public welfare above all other considerations.

4. NTC's Engineering Technology Education Framework:

- o Engineering Technologists have skills that use science and mathematics to install, test, operate and maintain finished engineering products and processes.
- o Engineering Technologists must spend minimum 70% of their time in the laboratory, field work or supervised industrial placement, and 30% in face-to-face classroom studies.
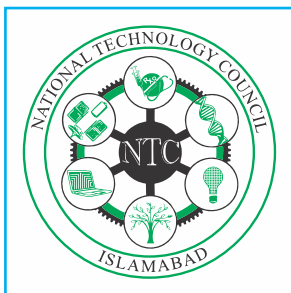
○ The metrics used to measure %age time spent in classrooms learning or laboratory and SIT shall be contact hours and not credit hours.

○ In addition to technology-specific courses, curriculum for all technology programs should cater to compulsory common courses (General Education Requirements) taught face-to-face, preferably to mixed classes across disciplines, and as defined by the Curriculum Design Committee of NTC.

○ Academic programs should be flexible and allow students to graduate with any of the following options:

○ Course work, laboratory practice, credit earning project/s, and credit earning supervised and verifiable industrial training for a minimum of one semester, provided further that this option shall require prior approval of NTC.

○ Curriculum Design Committees (CDCs) must include 1) HEC, 2) NTC and, 3) HEI's along with coopted subject specialists from academia and industry.

○ NTC shall strive to provide scholarships to technology graduates for Master's and PhD programs from HEC, HEI's, international agencies and industry.

5. Activities During 2020-2021:

Major activities during 2020-2021 were:

5.1 Sixth Council Meeting

Sixth Meeting of National Technology Council was held on 27 October 2020 at 10:00 AM in Mural Hall, HEC, Islamabad. The Meeting was presided by Mr. Imtiaz Hussain Gilani, Chairman NTC. Salient points of the meeting are:

i) Confirmation of the Minutes of 5th Council meeting held on 23rd Jan 2020.

ii) Progress on actionable points of 5th Meeting.

iii) Clause 4: Inclusion of one Member from Associations of Technologists with a provision that if Associations fail to jointly nominate one person and nominate two or more persons, then Controlling Authority will appoint one Member out of them.

iv) Clause 6 'c': In the case of vacancy occurring in the office of the Chairperson, instead of Member of Commission to be nominated by Chairman HEC to look after the duties, the Vice-Chairperson NTC, or in his absence, HOD of QAA-HEC may look after the duties of the Chairperson.

v) Clause 7 'c': The quorum requirement for Council Meetings of 50%.

vi) Council approved filling of all the empty posts as per necessity subject to funds availability and approved separate Selection Committees and Approving Authorities for various grades. Preference shall be given to applicant engineering technologists provided they fulfill the requirement of 'right man for the right job'.

vii) The Council considered the Framework Meeting Report and appointed sub-Committee for a final review, in consultation with original Members of Framework Meeting and keeping the requirements of Undergraduate Education Policy 2020 issued by HEC.

viii) It was decided that Technology Accreditation Board (TAB) cannot have functions of both Accreditation and Appellate Authority. TAB should be replaced by two Committees.

ix) The Council appointed Committee to review the proposal regarding licensing for Professional Engineering Technologist.

x) Payment to Members of Accreditation Inspection Committees for accreditation visits @ Rs. 10,000/- per visit to Convener, and Rs.10,000/- to each subject specialist, with TA/DA as per Govt. /HEC rules.

xi) In the light of Clause 3 and 5 of NTC Byelaws, the proposed recommendations for terms and conditions of employment of 4-years term of Chairman NTC were finalized for submission to Controlling Authority for approval.

xii) The permission to HEIs to have the option to reduce Supervised Industrial Training in ongoing permitted technology programs to one semester i.e. in 8th semester only.

a. Financial position of NTC: (PKR Millions)

Financial Year	Allocations from HEC	Registration Fee	Accreditation Fee	Total Income	Expenditures	Balance
2015-16	2.00	-	-	2.00	0.40	1.60
2016-17	5.98	-	-	5.981	5.71	0.28
2017-18	6.00	2.60	3.75	2.351	7.911	4.44
2018-19	0.54	9.47	6.75	6.762	2.231	4.531
2019-20	4.00	8.611	7.902	0.513	0.38	0.142
202021	4.002	1.843	1.453	7.299	9.764	7.534
Total	**2.53**	**2.52**	**9.85**	**4.90**	**6.38**	**8.51**

b. Status of Accreditation Visits

Nature of visit	No. of visits conducted	No. of programs approved	No. of visits pending	No. of programs of pending visits
Zero visits (for permiting progrms)	47	110	2	2
Interim visits 4thsemester	3	5	5	7
Accredetation visits (7th–8thsemester)	-	-	1	4
Total	50	115	8	13
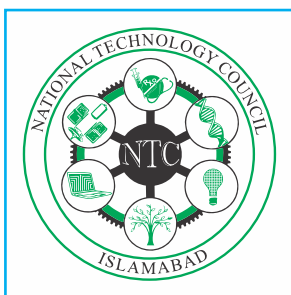
c. Registration of Technologists

Sr. #	Program	No. of Registered persons		
		Professional	Graduate	Total
1.	Civil	567	1642	2209
2.	Electrical	310	881	1191
3.	Mechanical	204	626	830
4.	Electronics	98	123	221
5.	Chemical	21	42	63
6.	Biomedical	1	20	21
7.	Petroleum	1	2	3
8.	Aviation	-	17	17
9.	Aircraft Maintenance	-	10	10
10.	Telecommunication	-	3	3
11.	Textile	-	2	2
Total		**1,202**	**3,351**	**4,570**

5.2 International Engineering Alliance Meeting 21-26 June 2021

International Engineering Alliance (IEA) holds an annual meeting (IEAM) in a member country by rotation. The objectives are to take cognizance of quality of engineering technology education globally and make improvements through a collective process. Additionally, "Global Reach Initiative Forum" is part of IEAM where countries who intend to apply for "Provisional Membership of Sydney Accord and Agreement" are encouraged and guided to communicate with the governing group for processing.
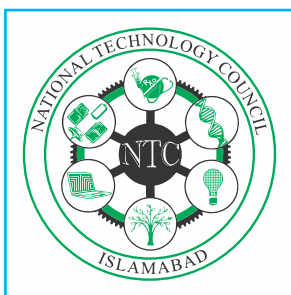
National Technology Council attended the online meeting of International Engineering Alliance held on 21st through 26th June 2021. Salient program of IEAM 2021 were:

i. Welcome and Plenary Session: 08:00 (UTC) Monday 21 June 2021
ii. Global Reach Initiative Session 1: Session 1 – 16:00 (UTC) Monday 21 June 2021
iii. Mobility Perspectives and the IEA Agreements Open to all IEA delegates: 13:00 (UTC) Tuesday, 22 June 2021
iv. Global Reach Initiative Session 2: Session 2 – 14:00 (UTC) Thursday 24 June 2021
v. Closing session of the IEAM 2021: 21:00 (UTC) Friday 25 June 2021.

5.3 Accreditation of Engineering Technology Programs
     Status of Accreditation Visits (July 2020 - June 2021)

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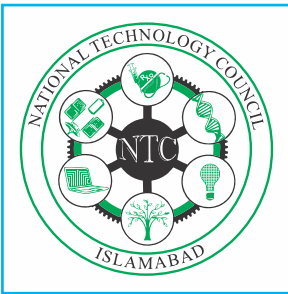| Sr #	Higher Education Institution	Dates of Visit	BSc Engineering Technology Program(s)	Status/Nature of Visit
1	Alhamd Islamic University, Islamabad	25-26 Aug 2020	Civil= 1	Zero Visit conducted & permitted from Fall 2020
2	University of Gujrat	21-22 Sep 2020	Chemical, Electrical, Mechanical	Zero Visit conducted & permitted from Fall 2018
3	Hamdard University Karachi	25-26 Sep 2020	Civil= 1 Mechanical (CoS)= One additional section	Zero Visit conducted & permitted from Fall 2020, however CoS was denied.
4	Balochistan UET Kuzdar Main, Uthal & Turbat campuses	28 Sep -3 Oct 2020	Civil, Computer, Electrical, Mechanical 4 at each campus	Zero Visit conducted & permitted from Fall 2020
5	GCT Hyderabad	5-6 Oct 2020	Civil, Electrical, Mechanical	Zero Visit conducted & permitted from Fall 2020
6	Govt. Habib College of Technology Nawabshah	7-8 Oct 2020	Civil, Electrical, Mechanical	Zero Visit conducted & permitted from Fall 2020
7	Karakorum International University Gilgit	12-13 Oct 2020	Civil	Zero Visit conducted & permitted from Fall 2019

8	GCT Larkana	14 -15 Oct 2020	Civil, Electrical, Mechanical	Zero Visit conducted & permitted from Fall 2020
9	City university Peshwar	20-21 Oct 2020	Civil, Electrical	Zero Visit cond ucted & permitted from Fall 2018
10	The Superior College, Lahore	27 -28 January 2021	Biomedical, Information	Zero Visit and permitted from Spring 2021
11	Iqra National University Peshawar	11-12 March 2021	Civil	ZV conducted & permitted Ex-post Facto w.e.f. Fall 2018
12	International Islamic University Islamabad	18-19 March 2021	Civil, Electrical, Mechanical	ZV conducted & permitted Ex-post Facto w.e.f. Fall 2018
13	Islamia University Bahawalpur	$29^{th} - 30^{th}$ March 2021	Biomedical	ZV conducted & permitted w.e.f. Fall 2020
14	Khawaja Fareed University of Engg and IT Rahim Yar Khan	30- 31 March 2021	Civil, Mechanical	ZV conducted & permitted w.e.f. Fall 2021
15	Institute of Space Technology Islamabad	02 – 03 April 2021	Aircraft Avionics Maintenance	ZV conducted & permitted w.e.f. Fall 2021
16	Govt. College University Faisalabad	06-07 April 2021	Electrical	ZV conducted & permitted w.e.f. Fall 2020
17	Qurtuba University D I Khan	21-22 June 2021	Electrical	Zero Visit conducted and program permitted w.e.f. 2018
18	Govt. Swedish College Gujrat	$17^{th} - 18^{th}$ June 2021	Mechanical	ZV conducted & permitted w.e.f. Fall 2018
19	UET Lahore KSK Campus	14- 15 June 2021	Electrical, Biomedical	Interim Visit
20	ISP Multan	21-22 June 2021	Civil, Electrical, Mechanical	Interim Visit
21	MNSUET Multan	23 - 24 June	Electrical	Interim Visit
22	MNSUAM Multan	25-26 June 2021	Agro Industrial	Interim Visit

5.4 Degree Awarding Institutions / Higher Education Institutions Offering Permitted Programs:

Province	City	Degree Awarding Institution	Sr. #	BSc Engineering Technology Programs	Permitted From
Islamabad Capital Territory	Islamabad	NUML	1	Electronics	Fall 2018 Further admissions stopped from 2020
		International Islamic University	2	Civil	Fall 2018
			3	Electrical	
			4	Mechanical	
		Hamdard University Islamabad Campus	5	Computer	Fall 2019
			6	Industrial	
		Institute of Space Technology	7	Aircraft Maintenance	Fall 2020
			8	Avionics	Fall 2021
		Alhamd Islamic University	9	Civil	Fall 2020
Punjab	Rawalpindi	Foundation University	10	Information	Fall 2019
			11	Bio-medical	
	Taxila	University of Engineering & Technology	12	Automotive	Fall 2017 Program closed from Fall 2018 onwards.
			13	Energy	
			14	Bio-medical	
			15	Cyber	

	Wah Cantt	(University of Wah affiliated) Wah Engineering College	16	Mechanical	Fall 2018
	Faisalabad	National Textile University	17	Textile	Fall 2018
		Ripah International University, Faisalabad Campus	18	Electrical	Fall 2018
		University of Agriculture	19	Textile	Fall 2019
		GC University Faisalabad	20	Electrical	Fall 2021
	Sialkot	Foundation University Sialkot Campus	21	Information	Fall 2018
		University of Sialkot	22	Civil	Fall 2018
			23	Electrical	
			24	Mechanical	
	Gujranwala	(UET Lahore Affiliate) Chenab College of Eng. & Tech. Gujranwala	25	Civil	Fall 2018 Program closed.
			26	Mechanical	
			27	Electrical	
	Gujrat	University of Lahore Gujrat Campus	28	Civil	Fall 2018
		University of Gujrat	29	Chemical	Fall 2018
			30	Electrical	Fall 2018
			31	Mechanical	Fall 2018
		Govt. Swedish College	32	Mechanical	Fall 2018

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	Lahore	UET, KSK Campus	33	Biomedical	Fall 2018. Program closed Fall 2019 onwards.
			34	Electrical	
			35	Mechanical	
			36	Chemical	
		The Superior College	37	Aviation	Fall 2018
			38	Biomedical	Spring 2021
			39	Information	Spring 2021
		University of Management and Technology	40	Aircraft Maintenance	Fall 2018
		University of Central Punjab	41	Civil	Fall 2018 (Program Closed)
			42	Electrical	
			43	Mechanical	
		Ripah International University, Lahore Campus	44	Electrical	Fall 2018
	Multan	Muhammad Nawaz Sharif University of Engineering & Technology	45	Civil	Fall 2018
			46	Electrical	
			47	Mechanical	
			48	Chemical	
		Muhammad Nawaz Sharif University of Agriculture	49	Agro Industrial	Fall 2018
		Institute of Southren Punjab	50	Civil	Fall 2018
			51	Electrical	
			52	Mechanical	
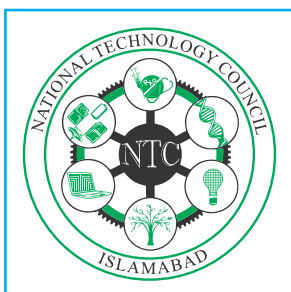
		NFC Institute of Engineering & Technology	53	Civil	Fall 2018
			54	Electrical	
			55	Mechanical	
			56	Chemical	
			57	Bio-medical	
	Rahim Yar Khan	Khawaja Fareed University of Engineering & IT	58	Electrical	Fall 2018
			59	Mechanical	Fall 2020
			60	Civil	Fall 2020
	Bahawalpur	Islamia University	61	Biomedical	Fall 2020
Khyber Pakhtun Khawa	Nowshehra	University of Technology (APS)	62	Energy	Fall 2018
			63	Information	
		Northern University	64	Information	Fall 2019
	Peshawar	Sarhad University of Science & Information Technology	65	Computer	Spring 2019
			66	Civil	Fall 2018
			67	Electronics	
			68	Electrical	
			69	Mechanical	
		City University	70	Civil	Fall 2018
			71	Electrical	
		Iqra National University	72	Civil	Fall 2020
	D I Khan	Qurtuba University		Electrical	Fall 2018
Sindh	Khairpur Mirs	BB Shaheed University of Technology & Skills Development	73	Civil	Spring 2018
			74	Electrical	
			75	Electronics	
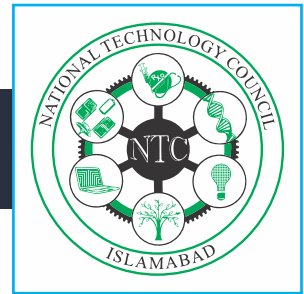
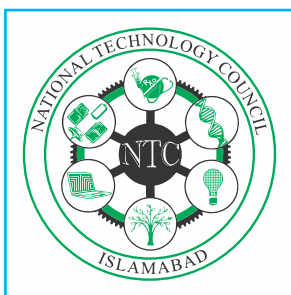|			76	Mechanical	
	Karachi	Hamdard University	77	Electronics	Fall 2019
			78	Electrical	
			79	Mechanical	
			80	Civil	Fall 2020
		Sindh Institute of Management & Technology	81	Electrical	Spring 2019
			82	Mechanical	
		Sir Syed University	83	Civil	Spring 2018
			84	Electrical	
			85	Electronics	Fall 2019
		Zia Ud Din University	86	Bio-medical	Fall 2019
		Karachi Institute of Economics & Technology	87	Computer	Fall 2019
			88	Electronics	
		Nazeer Hussain University	89	Civil	Fall 2019
			90	Electrical	
			91	Electronics	
			92	Mechanical	
	Hyderabad	(Mehran University jamshoro affiliate) -Hyderabad College of Science & Technology	93	Civil	Fall 2018
			94	Electrical	
		(Mehran University Jamshoro affiliate) Govt. College of Technology	95	Civil	Fall 2020
			96	Electrical	
			97	Mechanical	
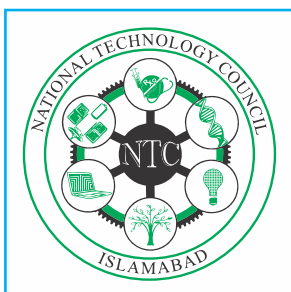
	Nawabshah	(Quaid e-Awam University of Science, Engineering & Technology affiliated college) Govt. Habib College of Technology	98	Civil	Fall 2020
			99	Electrical	
			100	Mechanical	
	Larkana	(Quaid e-Awam University of Science, Engineering & Technology affiliated college) Govt. College of Technology	101	Civil	Fall 2020
			102	Electrical	
			103	Mechanical	
Balochistan	Quetta	Alhamd Islamic University	104	Civil	Fall 2018
	Khuzdar , Uthal and Turbat Campuses	Balochistan University of Science & Technology Khuzdar	105 to 116	Following in each Campus: i. Civil ii. Electrical iii. Mechanical iv. Computer	Fall 2020
Gilgit Baltistan	Gilgit	Korakrum International University	117	Civil	Fall 2019
AJ & K	Mirpur	Mirpur University of Science & Technology	118	Civil	Fall 2018
			119	Electrical	

- **Degree Awarding Institutions whose 4-years Bachelor Technology Programs Offered after 15th December 2017, if any, have NO Permission of National Technology Council and are NOT YET offered for Zero Visit:**

Province	City	Sr. No	Degree Awarding Institution	Probable Engineering Technology Programs
Capital Territory	Islamabad	1	NUTECH	Planned for 2021 __Civil= 1
		2	Skills University	Planned __ 04 programs

		3	Isra University	Electrical, Civil = 02
Punjab	Faisalabad	4	GCU Faisalabad i. Faisalabad Campus ii. Sahiwal campus iii. Layyah Campus	i. Civil, Mechanical, Chemical = 3 ii. Civil, Electrical, Mech =3 iii. Civil, Electrical, Mech =3
	Sargodha	5	University of Sargodha	Civil, Electrical, Mech =3
	Lahore	6	University of Lahore Lahore campus	Civil, Electrical, Mechanical, Electronics = 4
		7	Punjab Tiangtin University, Lahore	Civil, Electrical, Mechanical, Automobile = 4
		8	Punjab University Lahore	Planned __ Textile = 1
		9	(UET Lahore Affiliated Colleges) i. GCT Railway Road Lahore ii. NFC IET Faisalabad iii. GCT Bahawalpur iv. Quaid-e-Azam College of Eng. & Technology v. Quaid-e-Azam College of Eng. & Technology, Pattoki vi. Narowal Campus vii. GCT Rasul viii. Lahore College of Eng. & Tech, Kasur ix. AQ Khan Inst of Sc. & Technology Mianwali, x. Swedish College of Eng. & Technology R.Y.K	i. Mechanical, Chemical, Electrical, Civil =4 ii. Civil. Electrical, Mech = 3 iii. Electrical, Electronics, Mech, Information = 4 iv. Civil = 1 v. Civil, Chemical, Electrical, Mech = 4 vi. Civil = 1 vii. Civil = 1 viii. Civil = 1 ix. Civil, Electrical, Mech, Chemical = 4 x. Civil = 1 (Total 23 programs)
		10	NCBAE Lahore	

|	Dera Ghazi Khan	11	Mir Chakir Khan Rind University of Technology	Civil, Electrical, Information, Electronics, Chemical, Petroleum = 6
Khyber Pakhtun Khawa	Peshawar	12	(UET Peshawar affiliated colleges) i. GCT Abbottabad ii. GCT DI Khan iii. GCT Nowshehra iv. GCT Mingora v. GCT Peshawar vi. GCT Kohat	i. Mechanical = 1 ii. Electrical = 1 iii. Civil =1 iv. Electrical = 1 v. Civil, Elect, Mech vi. Elect
		13	CECOS University of IT & Emerging Sciences	Civil. Electrical, Mech = 3
		14	14 Distance Education Centers (DECs) of Sarhad University of Sc. & IT, Peshawar	Civil, Electrical, Mechanical & Electronics Programs ranging from 2-4 in each DEC (HEC has stopped induction from Fall 2019 till announcement of policy for DECs)
		15	Abasyn University	Civil, Electrical and Mech = 03 programs
		16	Brains institute	Civil Electrical and Mech = 03 Programs
	DI Khan	17	Qurtaba University DI Khan	Civil, = 1
	Kohat	18	Preston University i. Kohat Main Campus ii. Peshawar Campus iii. Islamabad Campus	Civil. Electrical, Mechanical, Electronics = 4 in each (Total 12 programs)
Sindh	Karachi	19	Indus University, Karachi	Civil, Electrical, Electronic, Mechanical = 1
		20	PIMSAT, Karachi Main Campus	Civil, Electrical, Mechanical, Electronics, Chemical = 5
		21	NED University i. GCT Karachi ii. GCT For Girls	Civil, Electrical, Mechanical=3 in each=6

		22	NEWPORTS Institute	

5.5 Registration of Engineering Technologists

The registration of Graduate Engineering Technologists (GET) and Professional Technologists up to 30-6-2021:

Sr. #	Technology	PET	GET	Total
1	Civil	567	1642	2209
2	Electrical	310	881	1191
3	Mechanical	204	626	830
4	Electronics	98	123	221
5	Chemical	21	42	63
6	Biomedical	1	20	21
7	Petroleum	1	2	3
8	Aviation	-	17	17
9	Aircraft Maintenance	-	10	10
10	Textile	-	3	3
11	Telecommunication	-	2	2
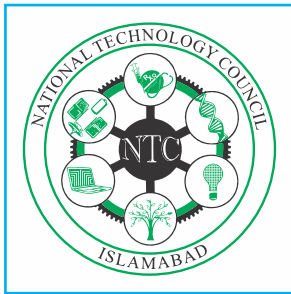
6.   Budgetary Receipts and Expenditures (Rs.)

Balance (Brought Forward on 01-7-2020)	20.98 million
Receipts (FY 2020-2021)	
Accreditation Fees	21.45
Registration Fee	11.80
Grant from HEC	4.00
Other Sources	0.04
Total receipts	37.29 million
Total Expenditures	9.76 million
Balance carried forward to 2021-2022	27.53 million

7.   Annual Audit Report

M/s Zia Masood Kiani & Co, Chartered Accountants based in Islamabad, were engaged for annual audit of 2020-2021 and their report is attached as Appendix-'A'.

National Technology Council

ANNEXURE

Annual Audit Report
FY 2020-21
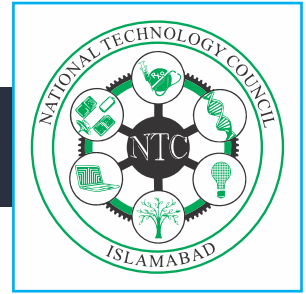
HIGHER EDUCATION COMMISSION
NATIONAL TECHNOLOGY COUNCIL
AUDIT REPORT
FOR THE YEAR ENDED
JUNE 30, 2021
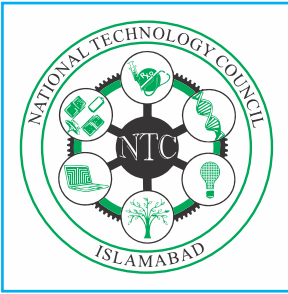
Page 1 of 4

NATIONAL TECHNOLOGY COUNCIL
RECEIPTS AND EXPENDITURE STATEMENT
FOR THE YEAR ENDED JUNE 30, 2021

	Note	2021 (Rupees)
Receipts	5	37,292,350
Expenditure		
Establishment costs		6,719,694
Printing and stationery		285,667
Repair & maintenance		15,000
Publicity and advertisement		60,531
TA/DA		1,885,460
Meeting and seminars		98,069
Bank charges		8,235
Miscellaneous expenses	6	155,412
Audit fee		30,700
Communication expenses		64,166
Legal and professional fee		2,000
Capital expenditure	8	433,868
		9,758,802
Excess of Receipts over Expenditure		27,533,548

The annexed notes from 1 to 11 and annexure A form an integral part of these financial statements.

SECRETARY/REGISTRAR
Muhammad Fahd Amin

MUHAMMAD FAHAD AMIN
Program Manager
National Technology Council
Higher Education Commission
Islamabad

09/09/21

ACCOUNTS OFFICER
Hafiz Muhammad Ghulam

GHULAM MUHAMMAD
Accounts Officer
National Technology Council
Higher Education Commission
Islamabad
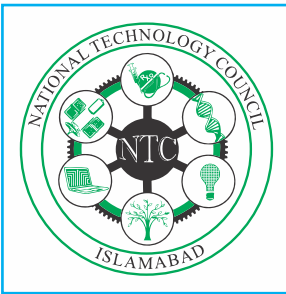
NATIONAL TECHNOLOGY COUNCIL
Notes to the Financial Statements

Page 3 of 4

Note 5
Receipts

	Note	2021 Rupees
Income from accreditation fee		21,450,000
Income from registration fee		11,803,000
Support income from HEC		4,000,000
Other Income		39,350
		37,292,350

Note 6
Miscellaneous Expenses

	Note	2021 Rupees
Office support expense		146,882
Water consumption expenses		8,530
		155,412

Note 7
Variance Analysis

	Budgeted Rupees	Actual Rupees	Variance Rupees	Percentage
Establishment costs	9,980,000	6,719,694	3,260,306	33%
Printing and stationery	560,000	285,667	274,333	49%
Repair & maintenance	120,000	15,000	105,000	88%
Publicity and advertisement	500,000	60,531	439,469	88%
TA/DA	2,100,000	1,885,460	214,540	10%
Training & orientation	900,000	-	900,000	100%
Publication & Printing	500,000	-	500,000	100%
Meetings / seminars	800,000	98,069	701,931	88%
Audit expenses	55,000	30,700	24,300	44%
Legal & professional	55,000	2,000	53,000	96%
Bank charges	120,000	8,235	111,765	93%
Membership fees	800,000	-	800,000	100%
Vehicle running & maintenance expenses	700,000	-	700,000	100%
Miscellaneous expenses	800,000	155,412	644,588	81%
Communication expenses	400,000	64,166	335,834	84%
Computer and office equipment	2,900,000	299,870	2,600,130	90%
Furniture and fixtures	700,000	133,998	566,002	81%
Vehicle	2,900,000	-	2,900,000	100%
	24,890,000	9,758,802		

National Technology Council

Note 8
Capital Expenditure

	Note	2021 Rupees
Computer equipment		299,870
Furniture and fixtures		133,998
		433,868

Note 9
General Fund

	Note	2021 Rupees
Balance at the beginning of the year		20,978,774
Surplus/(Deficit) for the year		27,533,548
Balance at the year end		48,512,322

General Fund is being represented by Cash and Cash equivalents at the year end June 30, 2021

Note 10
Cash and cash equivalents

	Note	2021 Rupees
Cash in hand		23,248
Cash at bank		
- Balance as per current a/c (PKR)		48,659,191
Less: Unpresented cheques		(170,117)
		48,489,074
Total Cash and cash equivalents		48,512,322

Note 11
General

11.1 Figures in these financial statements have been rounded off to the nearest rupee.

11.2 These financial statements were authorized for issue by the Council on _____.

SECRETARY/REGISTRAR
Muhammad Fahd Amin

MUHAMMAD FAHAD AMIN
Program Manager
National Technology Council
Higher Education Commission

ACCOUNTS OFFICER
Hafiz Muhammad Ghulam

GHULAM MUHAMMAD
Accounts Officer
National Technology Council
Higher Education Commission
Islamabad
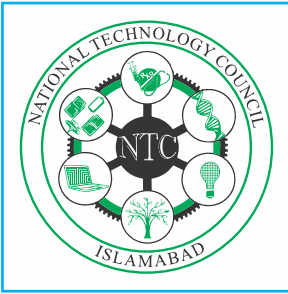
Annexure A

NATIONAL TECHNOLOGY COUNCIL

FIXED ASSET MEMORANDUM ACCOUNT*

Sr. No	Item Description	Quantity	Cost	Date of Purchase	Stock Register Page No.	Depreciation Rate/WDV	Book Value As On 2021
			Rupees				Rupees
A	Category: Computer & Accessories						
	HEC Donated Assets						
1	HP Laptops Core i5,Probook with Bags	3	-	1/25/2019	1	-	-
	Owned Assets						
1	HP Laptops Core i5,Probook with Bags	3	202,500	1/25/2019	1	20%	118,451
2	Printer (Epson L-805)	1	45,927	1/25/2019	1	20%	26,865
3	External Hard Drives	2	19,000	1/31/2020	1	20%	13,946
4	Laptops	2	299,870	4/9/2021	1	20%	286,232
	Total Items & Cost (A)	**11**	**567,297**				**445,493**

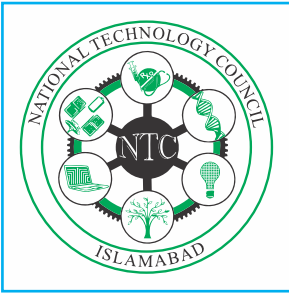| Sr. No	Item Description	Quantity	Cost (Rs.)	Date of Purchase	Stock Register Page No.	Depreciation Rate/WDV	Book Value As On 2020
			Rupees				Rupees
B	Category: Furniture & Fixture						
1	Table Writing Stand	1	3,550	2/20/2017	2	20%	1,350
2	Iron book racks (5) and wooden cabinet	1	133,998	1/25/2021	2	20%	122,471
	Total Items & Cost (C)	**2**	**137,548**				**123,820**
	TOTAL ITEMS & COST (A+B)	**13**	**704,845**				**569,314**

* Fixed asset memorandum account represents the assets donated by HEC and owned by National Technology Council at their book value as on June 30, 2021.
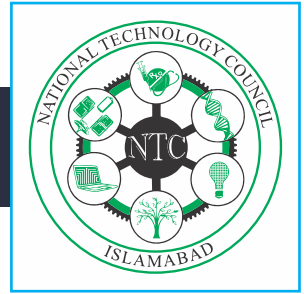
National Technology Council

GLOSSARY
OF PHOTOS

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