

Ministry of Information Technology & Telecom Government of Pakistan



ANNUAL REPORT 2015-16



Corporate Objectives

Vision

To transform Pakistan's economy into knowledge-based economy by promoting efficient, sustainable and effective ICT initiatives through synergic development of industrial and academic resources.

Introduction

The Company was established in 2006 by the Ministry of Information Technology, under Section 42 of Companies Ordinance. National ICT R&D Fund has taken up a challenging task of capacity building in the arena of ICT and nurturing it towards sustained development of a R&D culture in Pakistan. Joint Industry-academia research is one of the key vehicles used to promote innovation in the ICT industry and to promote a research culture in the academic institutions of Pakistan.

National ICT R&D Fund has the mandate to fund sound technical ICT centric R&D proposals. The organization believes in an accurate mobilization of its resources where emphasis is given to achieve technical excellence, innovation and its diffusion and positive impact on the economic growth of the country and for the benefit of the society at large.

Company Goals

- 1. Cultivate industry-academia partnership by funding concrete development and research initiatives.
- Enhance the national ICT related human resource development capacity manifolds by facilitating industrial demand focused human resource capacity building and R&D capabilities in the country and promoting ICT related educational programs and activities.
- 3. Make Pakistan an attractive destination for service oriented and research and development related outsourced jobs.
- 4. Use ICT as a tool for wealth creation and upward mobility for economically challenged groups of citizens.
- 5. Spread the ICT activities on a true national level.



Source of Funding

As per clause 4.1 'Guiding Principles' of the Legal, Administrative and Financial Framework of the Company, the Telecom Act envisages four sources of funding:

- 1. Grants made by the Federal Government
- 2. Prescribed contributions by licensees
- 3. Loans obtained from the Federal Government
- 4. Grants and endowments received from other agencies

"In addition, as the R&D Fund Co. evolve, the cash flows from IP commercialization and royalties would also become a source of funds depending on the agreed upon sharing basis between the company and the principal investigator"

Technical R&D Projects Thematic Areas

The Company has funded a diverse range of technical R&D projects within the ICT spectrum since its inception. The broad categories within which these projects reside are as under: -

- 1. Telecom Network Management Systems
- 2. Intelligent Mobile Devices
- 3. Innovative Services for Telecom Networks
- 4. SME Productivity Enhancement
- 5. e-Learning
- 6. Citizen Security
- 7. e-Health

Core Values

The Management team has adopted the following as company's core values:

- 1. Benevolent Intent
- 2. Transparency
- 3. Innovation
- 4. Professional Excellence
- 5. Integrity



Message from CEO

National ICT R&D Fund has taken up a challenging task of capacity building in the arena of ICT and nurturing it towards sustained development of an R&D culture. Joint Industry-academia research is one of the key vehicles we use to promote innovation in the ICT industry and to promote a research culture in our academic institutions.

The emerging information and knowledge age and the accompanying technological revolution are heralding a new economic and social order characterized by the development and exploitation of information and communication technologies (ICT) within all spheres of human endeavor. This era is giving rise to the emergence of information and knowledge-based economies with traditional economic, industrial and commercial activities being made more efficient and productive by incorporating knowledge driven processes.

The knowledge and information economy has emerged as a new source for the creation of quality jobs, wealth generation and redistribution, rapid economic development and prosperity as well as a means for facilitating competitiveness. With the emerging information age, information and communication technologies are seen by a number of countries as critical for achieving progress in economic and social development. These technologies are offering developing countries like Pakistan a window of opportunity to leap-frog the key stages of industrialization and transform their agriculture dominated economies into service-sector driven, high value-added information and knowledge-based economies that can successfully compete in the global village.

Pakistan has witnessed a phenomenal growth in its telecom industry. The government of Pakistan has mandated that a certain percentage of gross revenue generated by all telecom service providers be allocated to development and research of information and communication technologies with the vision to transform Pakistan's economy into a knowledge-based economy by promoting efficient, sustainable and effective ICT initiatives through synergic development of industrial and academic resources.



Corporate Governance

Board of Directors

S. No	Name	Designation	Status
1	Ms. Anusha Rahman Khan	Minister of State for IT & Telecom	Ex-Officio
2	Mr. Azmat Ali Ranjha	Secretary, IT & Telecom	Ex-Officio
3	Mr. Mudassar Hussain	Member (Telecom)	Ex-Officio
4	Mr. Zahoor Ahmad	Joint Secretary CF-I	Ex-Officio-Representative of Finance Division
5	Mr. Asim Shahryar Husain	Managing Director, PSEB	Ex-Officio
6	Dr. Syed Ismail Shah	Chairman, PTA	Chairman of the Authority
7	Engr. Shahab Afroz Khan	Director (QEC), Dawood University of Engr. & Tech. Karachi	Representative of Academia
8	Mr. Akbar Jamal Shaukat	Program Director (Managing Partner). CNS Group of Companies	Corporate Management Executive
9	Mr. Muhammad Nasrullah	Chief Business Operations Officer, PTCL	Representative of Fixed Line Operators
10	Dr. Shahid Qureshi	Program Director, CED, IBA Karachi	Representative of Academia
11	Mr. Khawaja Saad Saleem	Managing Director, Nayatel (Pvt) Ltd, Islamabad	Representative of Data Service Providers
12	Mr. Michael Foley	CEO, Telenor Pakistan Pvt. Ltd.	Representative of Cellular Operators
13	Dr. Syed Ismail Shah	CEO, National ICT R&D Fund	CEO of the Company



Board Committees

S. No	Committee Name	Chairman	Members
1	Finance & Audit Committee	Mr. Muhammad	Mr. Asim Shahryar
	(FAC)	Nasrullah	Husain
2	HR Governance Committee (HRGC)	Mr. Akbar Jamal Shaukat	Mr. Mudassar Hussain Mr. Muhammad Nasrullah
3	Project Appraisal Committee (PAC)	Dr. Syed Ismail Shah	Mr. Akbar Jamal Shaukat Mr. Shahab Afroz Khan

Technical Research & Development Projects

For the year 2015-16, Company has approved 15 Technical R&D Projects worth Rs. 230.10 million. The projects have been approved in the following thematic areas:

Sr #	Description	No. of Projects	Approved Budget (In Million Rs)
1.	Education	02	45.74
2.	Health	04	76.37
3.	Security	03	48.39
4.	Telecommunication	03	28.51
5.	Other	03	31.09



Workshops/Seminars for Solicitation & Engagement

National ICT R&D Fund conducted 19 engagement workshops on various topics across the country. These workshops have played a key role in spreading awareness about various initiatives of the Fund and helped in identifying key issues in related areas.

The following are workshops/seminars conducted in the year 2015-16:

WORKSHOP/SEMINAR TOPIC	INSTITUTION
Role of ICT in Enhancing Agriculture Value Chains in Pakistan	University of Agriculture, Faisalabad
Opportunities for Using ICT to Provide Better Healthcare in Pakistan	Holy Family Hospital, Rawalpindi
Opportunities for 5G R&D Activities in Pakistan	LUMS, Lahore
Emerging Technologies in ICT	FAST-NU, Islamabad
Facilitating Local Language Content Access and Generation using Human Language Technologies	KICS, UET, Lahore
Eradication of Polio using ICT	University of Malakand, Chakdara
Challenges & Opportunities for Smart Grids in Pakistan	LUMS, Lahore
ICT Integrated Education in Pakistan	Bahria University, Islamabad
Application of GPU Computing in Engineering & Sciences	CASE, Islamabad
Opportunities in 5G Technologies	Institute of Space Technology, Islamabad
Role of ICT in Precision Agriculture and Forestry	LUMS, Lahore
Research Avenues: ICT Potential Applications for Pakistan	CECOS, Peshawar
Introduction to ICTRDF Funding Opportunities & Process for Technical ICT R&D Projects	NED University, Karachi
ICT in Precision Agriculture	University of Agriculture, Faisalabad



Big Data Analytics	PTA, Islamabad
Two Day Event on Role of ICT to Support Visually Impaired Community	Pakistan Disabled Foundation, Karachi
Advanced Technologies & Applications in Telecom Network	NUST, Islamabad
IoT Potential Impact and Applications	Bahria University, Islamabad
Role of ICT in Digital Preservation Management in Libraries and Documentation Centers	Quaid-i-Azam University, Islamabad

HRD PROJECTS

Prime Minister's National ICT Scholarship Program (PM NICTSP)

Since 2007, National ICT R&D Fund is implementing National ICT Scholarship Program (renamed in 2011 as Prime Minister's National ICT Scholarship Program) across all provinces of Pakistan including FATA and Gilgit Baltistan. The program was approved by ECNEC in February 2008 for a period of five years (2007-2011), as per parameters listed in the approved PC-1, for the total budget of PKR 2,414.84million in financial collaboration with PSDP (GoP).

About 4,761 fully-funded 4-year ICT-related undergraduate degree scholarships have been offered to the talented and deserving students of Pakistan under this program in top universities of the country. The program also includes the "Training of Teachers", "Principal's Orientation

Workshop" and "Foundation Training Program" components, through which teachers are provided refresher training in their respective subjects and in turn students are trained in the techniques to effectively solve MCQ-based university entrance exams, thereby giving them a level playing field with students belonging to metropolitan areas. It should be noted that the PC-1 of this program expired in June 2012.

The program was extended by the Board of National ICT R&D Fund for another 3 years i.e. 2012-14, whereby 500 scholarships have been approved for each subsequent year:



Program Summary							
Year	Tra	ining Imparted	Scholarships Offered				
	Principals	Teachers	Students				
2007	-	700	6,100	390			
2008	-	436	7,200	550			
2009	200	600	9,000	737			
2010	200	600	11,000	580			
2011	-	-	-	918			
2012	-	-	-	500			
2013	169	509	7,008	548			
2014	152		9,018	538			
Total	721	2,845	49,326	4,761			

Year-Wise Program Achievements

Province – Wise Scholarship Allocation

Province	2007	2008	2009	2010	2011	2012	2013	2014	Total
AJ&K	-	-	-	-	-	-	21	18	39
Balochistan	21	29	75	51	40	36	51	51	354
Fata	6	5	16	12	10	2	26	17	94
Federal Capital	-	-	-	-	-	1	-	4	5
Gilgit Baltistan	-	-	17	12	12	1	11	16	69
КРК	37	86	122	92	123	76	83	80	699
Punjab	219	305	350	295	529	270	256	251	2475
Sindh	107	125	157	118	204	114	100	101	1026
Total	390	550	737	580	918	500	548	538	4761

More than 2,500 scholars were studying under the program during the FY 2015-16. Out of these 2,500 students 1,418 scholars have successfully graduated during the FY 2015-16 and contributing in the economy or pursuing their higher qualification in national and international universities. 22 students graduated with distinctions:

1st Position	2nd Position	Total
16	6	22

National Grassroots ICT Research Initiative (NGIRI)

National Grassroots ICT Research Initiative is aimed at assisting those undergraduate students of public and private sector universities who are enrolled in degree programs related to Information



and Communication Technology (ICT) disciplines and have initiated their Final Year Projects (FYPs). The financial assistance under the program is aimed to enable students undertaking FYPs for building prototypes and working models in order to increase their creativity, innovation and hands-on engineering and development skills.

The program was launched in February 2012. The program is supporting the undergraduate students in order to increase their creativity and hands on experience by development of prototype/working model of their FYPs. Till date, four phases of the program has been rolled out and its details are as follow: -

Year	Participating Universities/DAI's	No of FYPs evaluated	No of FYPs approved	Amount Disbursed (Rs million)
2011-12	68	785	272	15.268
2012-13	78	1016	418	31.7
2013-14	72	1247	430	25.133
2014-15	75	1324	436	29.59
2015-16	76	1167	512	18.14
	Total	5539	2068	1029.83

Similarly, many of our funded FYPs have been awarded national accolades and have been recognized for their creativity and innovation.

For the year 2015-16, before continuing with the next phase, the BoD in its 41st meeting resolved, that PAC should reassess the program and provide its consideration for approval of BoD. Accordingly, the program with various modifications was presented to Project Appraisal Committee (PAC) for review in its 22nd meeting held in March 2016, wherein, the program was approved for one further year with total cost of PKR 37million including the cost elements for holding National Level competition. After its approval, the program was rolled out at the earliest. 1167 FYPs have been received which have further been forwarded to 34 Evaluators for further evaluation and making recommendations of FYPs for funding.

Prime Minister's Scholarship Program for Talented Students of Balochistan

National ICT R&D Fund is also providing funding for the first three batches (2011-12, 2012-13, 2013-14) of 'Prime Minister's Scholarship Program for the Talented Students of Baluchistan' for a period of five years (class 8th to class 12th). The batch enrolled in 2011-12 has recently concluded its term and has graduated. Batches for 2012-13 and 2013-14 are currently being provided funding and will conclude terms in the next 2 years respectively. The total project funding is 675 Million Rupees. Scholarship covers tuition fee, boarding and lodging, bi-annual travel charges, stipend, books and stationery, uniforms and miscellaneous expenses. The scholarship award is applicable only to the students of 30 districts of Baluchistan.



Program is being executed by the Company in collaboration with Capital Administration and Development Division (CADD) and Education Department, Government of Baluchistan. Total disbursements made under the program stand at Rs 370million (approx.). Below table shows the total number of students enrolled in various institutions across the country: -

S. No	Institution Name	Students Enrolled/ Studying	
		FY 2015 - 16	
1	Abbottabad Public School	12	
2	Army Burn Hall College for Boys, Abbottabad	18	
3	Balochistan Residential college Loralai	3	
4	Baqai Cadet College Karachi	21	
5	Cadet College Choha Saiden Shah, Chakwal	28	
6	Cadet College Hassanabdal	2	
7	Cadet College Kohat	15	
8	Cadet College Larkana	10	
9	Cadet College Palandari, AJK	15	
10	Cadet College Pasroor, Sialkot	12	
11	Cadet College Petaro	17	
12	Cadet college Pishin	1	
13	Cadet College Sanghar	15	
14	Fazlehaq College, Mardan	24	
15	Heavy Industries Taxila Education City	42	
16	Islamabad College for Girls	56	
17	Khayaban Public School International, Lahore	17	
18	Lawrence College, Ghora Gali, Murree	14	
19	Military College Jhelum	1	
20	PAF public school Lower Topa	1	
21	Pakistan International School & College, Abbottabad	9	
22	Pakistan International School & College, Gujranwala	21	
23	Pakistan Steel Cadet college	11	
24	Pak-Turk International Schools & Colleges Islamabad	5	
25	Public School Rashidabad, Tando Allah Yar	2	
26	Sadiq Public School, Bahawalpur	17	
27	The Chand Bagh School, Mureedkay	25	
28	USWA Cadet College, Sihala, Islamabad	10	
	Total	424	



Establishment of Virtual University Campuses in Remote Areas of Pakistan

This project was approved to fill the educational gap between urban & rural areas by establishing Virtual University (VU) campuses in remote areas of Pakistan. This project will have great socioeconomic benefit by creating a pool of qualified professionals, especially IT professionals in underserved areas of the country, which is a national need. Total approved budget of the project was PKR 163million. The project has been completed and campuses in following locations have been established are operational: -

- 1. Jalalpur Pirwala (Purpose built campus)
- 2. Makhdoom Rashid (Rental campus)
- 3. Qadirpur Raan (Rental campus)
- 4. Bahawalnagar (Rental campus)

Establishment of ICT Blocks

Establishment of ICT Blocks in pre-existing universities/institutions was approved for the benefit of the students and faculty of the respective university/institution through crowd-sourcing and related ICT activities that would ultimately enable them to develop and enhance the ICT knowledge to become active resource for the R&D initiatives in the country.

The project was approved for following universities/institutions with an approved budget of Rs. 20 million each: -

- 1. Lahore College for Women University, Lahore
- 2. The Islamia University, Bahawalpur
- 3. Aitchison College, Lahore



ICT Block at Lahore College for Women University was inaugurated by Ms. Anusha Rahman State Minister for IT & Telecom





ICT Block at Islamia University of Bahawalpur is also operational

National Incubation Center Program

In order to give impetus to innovation and promotion of ICT centric entrepreneurship in the country, National ICT R&D Fund under the auspices of Ministry of IT envisaged the National Incubation Center Project. National Incubation Center is a fully funded initiative of National ICT R&D Fund being outsourced to Mobilink as implementation partner.



The National Incubation Center is being established at National IT Board Building, located in H-9 sector of Islamabad. This would be the first and largest Incubation Center in the country funded by Federal Government. Total approved budget of the project is PRK 564million for the duration of 5 Years. The Incubation Center will be established in second half of the year 2016 and will start its operations subsequently.



Events

International Symposium on Technology Entrepreneurship & Incubation

International Symposium on Technology Entrepreneurship and incubation organized by Ignite (Formerly National ICT R&D Fund) – Ministry of IT & Telecom, in collaboration with HEC and IBA Center for Entrepreneurial Development Karachi, was held at HEC on 19-20 August, 2016. The purpose of symposium was to develop entrepreneurial mindset and share latest ideas and developments in the area of entrepreneurship and incubation with faculty members, managers of incubators and ORIC managers. It aimed at encouraging entrepreneurs, start-ups and incubators in bringing new ideas and implementing them in an effective manner.

Engr. Baligh-ur-Rehman, Minister of State for Federal Education and Professional Training was the chief guest. Dr. Mukhtar Ahmed, Chairman HEC, Dr. Syed Ismail Shah, Chairman, CEO Ignite (Formerly National ICT R&D Fund) and Chairman PTA, Dr. Arshad Ali, Executive Director HEC, Vice Chancellors, start-ups, entrepreneurs, incubators and people from different walks of life were also present.



Speaking on the occasion, Engr. Baligh-ur-Rehman, Minister of State for Federal Education and Professional Training, reiterated the Government's resolve to encourage youth to come forward and play their part in not only betterment of their own lives but also the country's economy through their contributions to growing and emerging market. He said that Government considers them a real asset that could guarantee a bright future.

A large number of intellectuals, VCs of universities, students and volunteers participated in the event. The speakers, Dr. Shahid Qureshi from IBA Karachi, Dr. Sarfraz Mian from the School of Business, State University of New York, United States, Dr. Faizullah Abbasi, Vice Chancellor



Dawood University, Professor Amin Khan VC BUET, Khuzdar, Dr. Iftikhar Hussain, VC UET, Peshawar expressed their views on the various topics of the symposium.

World Telecommunication & Information Society Day – 2016

The World Telecommunication and Information Society (WTISD) is celebrated worldwide on May 17 every year to mark creation of International Telecommunication Union (ITU). Ministry of Information Technology (MoIT) and ICT Industry globally marked the WTISD – 2016 with this year's theme "ICT Entrepreneurship for Social Impact".

Minister of State for IT & Telecom Ms. Anusha Rehman attended a ceremony held here in connection with WTISD which was also attended by Minister for Finance, Mr. Ishaq Dar as chief guest, Minister of State Health Services, Saira afzal Tarar, Legislators, Secretary IT, Chairman Pakistan Telecommunication Authority (PTA) and CEO National ICT R&D Fund Islamabad, Dr. Syed Ismail Shah, Chief Executive Officers (CEOs) and senior staff of Mobile Phone Operators, industry's experts, government officials, media- persons and students and teachers of ICT for Girls program.



Speaking on the occasion, Minister for Information Technology and Telecom, Anusha Rehman said that IT sector has potential to contribute 1.5 percent in the GDP. She said that her ministry has taken initiatives to promote entrepreneurship and employment in the IT sector. CEO Mobilink, Microsoft and MD Bait-ul-Mall also spoke on the occasion to highlight the importance ICT centric entrepreneurship for economic growth.

The Finance Minister Ishaq Dar said that the government wants to accelerate IT revolution in the country. If the economic development continues to grow, Pakistan will soon become the 18th largest economy in the World. Moreover, the establishment of intellectual property rights (IPR) has also increased the trust of investors.

Earlier speaking on the occasion Dr. Ismail Shah, Chairman PTA and CEO National ICT R&D Fund acquainted the audience with rapid growth of telecom sector, increased interest of investors in ICT centric products and services due to 3G/4G spectrum auction that has enabled the telecom operators to offer better mobile broadband services.



Preservation Management in Libraries and Documentation Centers

National ICT R&D Fund organized a workshop on "Role of ICT in Digital Preservation Management in Libraries and Documentation Centers" in collaboration with Quaid-i-Aram University at the DRSM library, Quaid-i-Azam University, Islamabad.

The objective of the workshop was to introduce and equip the library professionals with effective digital preservation management programs based on ICT technologies. Addressing the inaugural session, Mr. Wasim Hashmi, General Manager – Monitoring, National ICT R&D Fund highlighted the activities and objectives of the Fund. He informed the audience of the available funding streams and the initiatives taken up for capacity building in the arena of ICT and nurturing it towards sustained development of an R&D culture in Pakistan. Joint Industry-academia research is one of the key vehicles being used to promote innovation in the ICT industry and to promote a research culture in the academic institutions of Pakistan.



Speaking at the event, Dr. Javed Ashraf, Vice Chancellor, Quaid-i-Azam University, lauded the efforts of organizers and appreciated the initiative. He stressed the need for library professionals to learn state-of-the-art library management tools and solutions and apply them to improve the current library management protocols.

The resource persons of the workshop included Mr. Muhammad Anwar Ejaz, Chief Librarian Quaid-i-Azam University, Ms. Bushra Almas Jaswal, Chief Librarian, FC College University, Lahore, and Mr. Ashraf Sharif, System Librarian, Agha Khan University, Karachi. A large number of library professionals from Rawalpindi and Islamabad participated in the workshop.

Workshop on Applications of GPU Computing in Engineering & Science

GPU-accelerated computing is the use of a graphics processing unit (GPU) together with a CPU to accelerate scientific, analytics, engineering, consumer, and enterprise applications. GPU Computing is becoming increasingly important in Engineering and Science as well as a variety of other fields. Some of the application areas are Computational Finance, Data Science and Analytics, Defence and Intelligence, Deep Learning, Manufacturing, Media and Entertainment, Oil and Gas, Higher Education and Safety and Security.





A workshop on Applications of GPU Computing in Engineering and Sciences was held at Center for Advanced Studies in Engineering (CASE) on October 9, 2015. Dr. Shoab A. Khan in his keynote speech discussed the high-performance computing landscape from the perspective of Pakistan. He shared with the audience some exciting stories about his work and the evolution of highperformance computing over the years.

Later Mr. Asif Rumi, CEO National ICT R&D Fund gave a presentation on the various processes and procedures at the Fund which have been made more efficient. He also talked on the new funding streams that have been created. He also shared his vision on the Tech City Incubator project that has been initiated by the Fund.

Dr. Tauseef ur Rehman from Burqstream gave a comprehensive talk on the latest trends in super computing and the role of GPUs. Dr. Tauseef is also the Principal Investigator (PI) of a project funded by National ICT R&D Fund titled **Real Time Automated Broadcast Monitoring and Information Exploitation System** which was recently completed and used GPUs.

The second half included a panel discussion for the students on the efficacy High Performance Computing in Pakistan followed by a tutorial on GPU computing by Burgstream.

Workshop on Role of ICT in Precision Agriculture and Forestry

National ICT R&D Fund organizes a workshop on "Role of ICT in Precision Agriculture and Forestry" in collaboration with Lahore University of Management Sciences (LUMS).

Precision Agriculture and Forestry (PAF) has emerged as a vital source for modernizing farming and forest management related practices. Over the last 20 years topics including naturalresource variability, variability management, agriculture/farm technologies, profitability, environment; sensor technology, AI, robotics and controls, satellite/UAVs based remote sensing, identification of performance metrics, information management; and decision support systems have captured the attentions of the researchers worldwide.





The workshop focused on introducing, understanding and identifying Precision Agriculture and Forestry related challenges in Pakistan.

Al Basr – Funded Project of National ICT R&D Fund Wins P@SHA Award

Center for Advanced Studies in Engineering (CASE) jointly with EME College won P@sha (Pakistan Software House Association) ICT Award 2015 in e-Health and Well Beingcategory for their software product "Al-Basr". Al Basr is an Eye Hospital Electronics Management, Record, Diagnostic and Telemedicine System.

The work on the project (Al Basr) was based upon the research work conducted by a PhD scholar, now Dr. Usman Akram, two MS students Ms. Fauzia and Mr. Abu Baker Yammin on the softwarebased diagnostics of various diseases of human eye (Diabetic Retinopathy, Glaucoma for diabetic patients and paralytic strabismus (Bhenga Pun) during 2009-2013.

Looking at the importance of this work, National ICT R&D Fund awarded CASE a research grant of Rs 13 million to transform this research into commercial product in 2012. As Principal Investigator of this funding, Dr. Shafaat A. Bazaz formed following team of experts from CASE, EME College and local hospitals:





It took 6 years of dedicated team work to transform this research into a commercial product with the name "Al-Basr" and is currently installed at AFIO and is serving a large number of patients and also got recognition from P@sha in its annual awards.

This work is a source of motivation for our young scientists to work on research problem related to Pakistan and develop products for the betterment of our people.

National ICT R&D Fund congratulates the project team on winning the award and also appreciates the concerted efforts they have been relaying over the years.

CASE can proudly claim that we have spent each and every paisa of the National ICT R&D Fund received in last 6 year with lots of care to ensure that this results in the product evolution for the generation of jobs in Pakistan.

Conclusion

National ICT R&D Fund is committed to significantly enhance the ICT related research and development capacity of its stakeholders in meaningful ways. Company believes in an efficient mobilization of its resources where emphasis is given to achieve technical excellence, innovation which ultimately has a positive impact on the economic growth of the country and for the benefit of the society.

FINANCIAL STATEMENT



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AUDITOR'S REPORT TO THE MEMBERS

We have audited the annexed balance sheet of National ICT R&D Fund ("the Company") as at June 30, 2016 and the related statement of comprehensive income, cash flow statement and statement of changes in fund together with the notes forming part thereof, for the year then ended and we state that we have obtained all the information and explanations which, to the best of our knowledge and belief, were necessary for the purposes of our audit.

It is the responsibility of the Company's management to establish and maintain a system of internal control, and prepare and present the above said statements in conformity with the approved accounting standards and the requirements of the Companies Ordinance, 1984. Our responsibility is to express an opinion on these statements based on our audit.

We conducted our audit in accordance with the auditing standards as applicable in Pakistan. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the above said statements are free of any material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the above said statements. An audit also includes assessing the accounting policies and significant estimates made by management, as well as, evaluating the overall presentation of the above said statements. We believe that our audit provides a reasonable basis for our opinion and, after due verification, we report that:

- (a) in our opinion, proper books of account have been kept by the Company as required by the Companies Ordinance, 1984;
- (b) in our opinion -
 - (i) the balance sheet and statement of comprehensive income together with the notes thereon have been drawn up in conformity with the Companies Ordinance, 1984, and are in agreement with the books of account and are further in accordance with accounting policies consistently applied except for the changes as stated in note 3.2 to the financial statements with which we concur;
 - the expenditure incurred during the year was for the purpose of the Company's business; and
 - (iii) the business conducted, investments made and the expenditure incurred during the year were in accordance with the objects of the Company;
 - (c) as explained in note 3.2.1 to the financial statements, from the current year the Company has changed its policy regarding recognition of expenditure on projects / program activities to accrual basis of accounting. Previously, the expenditure was recognized when funds were disbursed to the implementing partner organisations. This change has been applied to the financial statements prospectively from July 1, 2015 since per management, it is not able to determine the effects of change in policy on prior years due to non availability of required information. Had the change in policy been applied retrospectively, related prior year figures in the balance sheet, statement of comprehensive income and cash flow statement would have been restated, project/ program expenditure and related grant income recognized for the current year would have been adjusted for the effects of aforesaid restatement, additional balance sheet as at July 1, 2014 would have been presented and other required disclosures would have been given in these financial statements.

A. F. FERGUSON & CO., Chartered Accountants, a member firm of the PwC network PIA Building, 3rd Floor, 49 Blue Area, Fazl-ul-Haq Road, P.O. Box 3021, Islamabad-44000, Pakistan Tel: +92 (51) 2273457-60/2604934-37; Fax: +92 (51) 2277924, 2206473; < www.pwc.com/pk>

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(d) in our opinion and to the best of our information and according to the explanations given to us, except for the matter referred to in paragraph (c) above, the balance sheet, statement of comprehensive income, cash flow statement and statement of changes in fund together with the notes forming part thereof conform with the approved accounting standards as applicable in Pakistan, and, give the information required by the Companies Ordinance, 1984, in the manner so required and respectively give a true and fair view of the state of the Company's affairs as at June 30, 2016 and of the total comprehensive income, its cash flows and changes in fund for the year then ended; and

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(e) in our opinion, no Zakat was deductible at source under the Zakat and Ushr Ordinance, 1980 (XVIII of 1980).

Chartered Accountants

Isiamabad Date: November 14, 2017

Engagement partner: Asim Masood Iqbal

NATIONAL ICT R&D FUND

(A company incorporated under Section 42 of the Companies Ordinance, 1984)

BALANCE SHEET AS AT 30 JUNE 2016

		2016	2015
	Note	Rup	ees
ASSETS			
NON CURRENT ASSETS			
Property and equipment	5	12.524.114	5.073.327
Intangible asset	6	3,184,648	430,500
-		15,708,762	5,503,827
CURRENT ASSETS			
Advances to employees	7	2 146 232	2 546 554
Short term prepayments	•	14.365.016	13.099.016
Accrued interest on bank balance		10,184,480	6.950.607
Other receivables	8	11,146,918	64.940
Bank balance	9	607,462,524	127,068,896
		645,305,170	149,730,013
			-
TOTAL ASSETS		661,013,932	155,233,840
FUNDS AND LIABILITIES			
FUNDS			
Unrestricted funds		6,709,285	6,709,285
NON CURRENT LIABILITIES			
Restricted funds	10	339,847,847	117.033.182
Deferred capital grant	11	15,708,762	5.503.827
		355,556,609	122,537,009
CURRENT LIABILITIES			
Trade and other payables	12	298,748,038	25,987,546
TOTAL FUNDS AND LIABILITIES		661,013,932	155,233,840
COMMITMENTS	13		

The annexed notes 1-21 form an integral part of these financial statements. Affres

CHIEF EXECUTIVE OFFICER

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(A company incorporated under Section 42 of the Companies Ordinance, 1984)

CASH FLOW STATEMENT

FOR THE YEAR ENDED 30 JUNE 2016

	2016	2015
	Rup)ees
CASH FLOW FROM OPERATING ACTIVITIES		
Surplus for the year Adjustment for non-cash items	4,675,892	-
Depreciation	2,398,961	2,793,935
Amortization of intangible assets	315,413	657,157
Amortization of deferred capital grant	(2,714,374)	(3,451,092)
Amortization of deferred restricted grant	(1,295,712,833)	(812,580,135)
Interest income on bank deposits	(14,683,583)	(31,912,097)
Provision for staff gratuity	7,103,317	7,583,788
	(1,298,617,207)	(836,908,444)
Working capital changes: (Increase)/ decrease in current assets		
Advances to employees	400,322	3,757,872
Short term prepayments	(1,266,000)	(1,264,323)
Other receivables	(11,081,978)	-
Increase in current liabilities		
Trade and other payables	274,200,737	2 250 414
	262,253,081	4,743,963
Contribution to staff gratuity fund	(13,219,454)	(3.005,463)
Restricted grant received during the year	1,527,000,000	30,000,000
Amount received from closed projects	4,321,408	114,668
Interest received on bank deposits	11,449,710	33,040,712
Net cash flow generated from / (used in) operating activities	493,187,538	(772,014,564)
CASH FLOW FROM INVESTING ACTIVITIES		
Capital expenditure Insurance claim received	(12,919,309) 125 399	(1,685,635)
Net cash flows used in investing activities	(12,793,910)	(1,685,635)
Increase / (decrease) in cash and cash equivalents	480,393,628	(773,700,199)
Cash and cash equivalents at the beginning of the year	127,068,896	900,769,095
Cash and cash equivalents at the end of the year	607,462,524	127,068,896

The annexed notes 1-21 form an integral part of these financial statements.

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yusul Hursain CHIEF EXECUTIVE OFFICER

SAMA SAMA DIRECTOR

NATIONAL ICT R&D FUND

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(A company incorporated under Section 42 of the Companies Ordinance, 1984)

STATEMENT OF COMPREHENSIVE INCOME FOR THE YEAR ENDED 30 JUNE 2016

		2016	2015
		Rupees	
INCOME			
Grant income recognized Other Income- Interest income on bank balance	14	1, 298,427,207 14,683,583	816,031,227 31,912,097
EXPENDITURE			
Project/ program activities Operating costs	15 16	1,131,622,436 176,812,462 1,308,434,898	690,058,697 157,884,627 847,943,324
SURPLUS FOR THE YEAR		4,675,892	
OTHER COMPREHENSIVE INCOME			
Other comprehensive (loss) / income not to be reclassified to income and expenditure in subsequent periods:			
Re-measurement (loss) / gain on staff gratuity	12.2	(4,675,892)	1,240,540
TOTAL COMPREHENSIVE INCOME FOR THE YEAR			1,240,540

The annexed notes 1-21 form an integral part of these financial statements.

Yusing Husan CHIEF EXECUTIVE OFFICER

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Sprashel

DIRECTOR

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NATIONAL ICT R&D FUND

(A company incorporated under Section 42 of the Companies Ordinance, 1984)

STATEMENT OF CHANGES IN FUND FOR THE YEAR ENDED 30 JUNE 2016

	Unrestricted Rupees
Balance at 01 July 2014	6,709,285
Surplus for the year	-
Other comprehensive loss for the year	-
Total comprehensive income for the year	-
Balance at 30 June 2015	6,709,285
Surplus for the year	4,675,892
Other comprehensive loss for the year	(4,675,892)
Total comprehensive income for the year	-
Balance at 30 June 2016	6,709,285

The annexed notes 1-21 form an integral part of these financial statements.

Jusul Husan CHIEF EXECUTIVE OFFICER

Sha Shut DIRECTOR







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MARAMAN

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