



34th Annual General Meeting and Conference of Pakistan Society of Development Economists

“Pakistan Economy: The Way Forward”



**December 12-14, 2018
The Marriott, Islamabad**

Pakistan Society of Development Economists, 34th Annual General Meeting and Conference



PSDE Secretariat

Pakistan Institute of Development Economics (Quaid-e-Azam University Campus)

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Message from the Patron

Pakistan Society of development Economists (PSDE) as a professional association of economists has been providing a platform for exchange of ideas on the economic and social problems facing the country. Presently, Pakistan faces many daunting challenges. The balance of payment situation remained precarious owing to the expansionary macroeconomic policies during the last two years. The higher spending pushed the budget deficit to over 6% of GDP in 2017-18 through increased borrowing from abroad raising pressure on the current account deficit and external debt. As a result, imports soared rapidly with declining exports registering historically the highest trade deficit of \$31 billion along with the current account deficit of \$18 billion or 6% of GDP in the last fiscal year. The higher borrowing to finance the current account deficit has escalated Pakistan's external and public debts. Consequently, country's total debt and liabilities increased to Rs29 trillion by June 2018 or 86% of GDP which is well above the debt sustainability limit set by the government. The regaining macroeconomic balance is the foremost objective and priority of the newly elected government.



Regional connectivity is the philosophy behind the development of China-Pakistan Economic Corridor which is a linchpin of China's Belt & Road Initiative. Despite surrounding uncertainty, the CPEC has a great significance in the context of regional connectivity, diverse investment opportunities, industrial, and financial cooperation, and poverty alleviation through increased opportunities for livelihood. Over the past few years, the performance of agricultural sector has been dismal with its adverse effects on the employment and the economy. The country has not benefited from agriculture which is vital for the economy and livelihood of the poor. The framework of CPEC is now expanded to boost-up agriculture and related sectors of economy in the interest of the people in an environmentally sustainable manner. Both China and Pakistan will promote comprehensive cooperation in agriculture in the field of high technology, research institutes and agricultural enterprises by investing in high value added agricultural products. Both countries will strengthen and enhance the trade of quality agro-products, remove the trade barriers, technical barriers to trade and sanitary & phytosanitary for the promotion of agri-business.

The government is committed to play a pro-active role by paving the way for private sector led growth which can be done by focusing on improving value chain competitiveness in targeted areas. Joint ventures, value addition, cold chain management for fruits and vegetables, marketing and branding will help country overcome weaknesses, increase country's agriculture exports and improve socioeconomic conditions of the poor and vulnerable groups in rural areas.

Finally, I appreciate the PSDE for continuing its custom of organizing the Annual Conference and AGM to provide policy guidelines to policy makers. I hope that this years' conference will generate a critical debate on the state of the economy and provide informed policy options for the social and economic challenges facing the country.

Makhdum Khusro Bakhtyar
Patron PSDE
Chancellor PIDE
Federal Minister for Planning,
Development & Reform, Islamabad

Message from PSDE Team

Dear Colleagues

It is a great pleasure for us to welcome you to our beautiful city of Islamabad for the 34th Annual General Meeting and Conference of Pakistan Society of Development Economists. First, we would like to thank all of you for your participation at the conference and managing time for this event from your busy schedule.

The Annual General Meeting and Conference of PSDE is the largest and most prestigious annual gathering of economists and development scientists in Pakistan, held under the umbrella of Pakistan's pioneer think tank and policy research institute i.e. Pakistan Institute of Development Economics. The event has very rich history and tradition and the first conference of this series was held in 1984. Since then, PSDE has arranged 33 conferences which were attended by top academic and political leaders including Nobel Laureates. The Distinguished Speaker list in different years has had on it such names as Professor Lawrence Klein (Nobel Laureate), Sir Hans Singer, Prof. Paul Streeten, Prof. Robert Mundell (Nobel Laureate), Mehboob ul Haq and Professor T. N. Srinivasan.

In the 34th Annual General Meeting and Conference of Pakistan Society of Development Economists, we are proud to have an outstanding scientific program. In this conference, we have 5 distinguished lectures, 6 panel discussion sessions and 8 parallel technical sessions and the inaugural session.

Keeping its traditions, PSDE has invited top intellectuals, economists and development scientists in 34th Annual General Meeting and Conference. In this conference, we have with us Dr. Adil Najam, who was the lead author of report of Intergovernmental Panel on Climate Change, the report that won 2007 Nobel Peace Prize. We have Prof. Syed Nawab Haider Naqwi for the Allama Iqbal Memorial Lecture and world renowned environmentalist and Chairman HEC Dr Tariq Banuri for Quaid-e-Azam Memorial Lecture. We hope that you will learn a lot from the event and will enjoy the hospitality, beauty and weather of Islamabad

Dr. Asad Zaman
President

Dr. Fazal Hussain
Secretary

Dr. Talat Anwar
Co- Secretary

Dr. Nadeem Khan
Joint Secretary

Dr. Atiq –ur – Rehman
Joint Secretary

Dr. Saud Ahmed Khan
Joint Secretary

Mr. Azizullah
Assistant Registrar

PSDE Team

The Pakistan Society of Development Economists

The Pakistan Society of Development Economists (PSDE) was formed in 1982 by the eminent economists, research scholars and policy makers for the provision of an institutional forum for exchange of ideas in research and economic development. Since its inception, it has widely contributed to create linkages between academicians and policy makers along with disseminating valuable research findings among scholars, public officials and policy makers dealing with social and economic issues. The society has on its register eminent economists including Nobel Laureates, administrators, academicians, prominent researchers and students working in different continents of the world.

The principal objective of the Society is to patronize the process of scientific inquiry in general and particularly Development Economics by providing a well-organized forum for exchange of ideas generated on various economic and social issues. To achieve this objective the PSDE encourages research in Development Economics, organizes seminars, conferences, and symposia; Collaborates in research with national and international organizations; Confers awards on scholars for outstanding contribution in general area of development Economics; and performs all such acts, conducive to the attainment of the above mentioned objectives.

PSDE has the honor to be headed by top economists throughout history. Dr. Syed Nawab Haider Naqwi was the founding President of PSDE, and since then, the society has honor to be headed by Sarfraz Qureshi, A. R. Kemal, Nadeem ul Haque, Rashid Amjad, Musleh-ud-Din and at present by Dr. Asad Zaman.

The Annual General Meeting and Conference of PSDE

The Annual Conference is a regular feature of the Pakistan Society of Development Economists since its inception. This grand event offers an important platform to professional economists, development scientists, research scholars, policy makers, businessmen and students to present their most relevant research findings and get on-the-spot feedback along with an exchange of ideas on the pressing economic and social issues facing the world in general and Pakistan in particular. The conference has very rich history starting from 1984 and until today, the society has organized 33 conferences labeled as Annual General Meeting and Conference of PSDE. The PSDE has the honor to host the lectures of eminent scholars including several Nobel Laureates in its different conferences. The conference has become most prestigious and biggest annual gathering of economists and development scientists in Pakistan. The conference programs include distinguished lectures, panel discussion sessions, and technical sessions of the contributing authors. The regular series of distinguished lectures include three memorial lectures i.e. Mehboob-ul-Haq memorial lecture, Allama Iqbal memorial lecture and Quaid-e-Azam memorial lecture.

The conference is attended by the top political leadership, bureaucracy, academicians and researchers. Therefore, via this conference, the researchers and academicians can directly interact with the policymakers and possibly influence the actual policymaking.

The themes for the Annual General Meeting and Conferences are carefully chosen to match with the need of time and provide a broad spectrum for growth. This year's theme of the event is 'Pakistan Economy-The Way Forward', with 10 sub themes. The past conferences and their major themes are summarized as under;

- Revitalizing Agriculture Sector
- Revitalizing Industrial Base
- Realizing Exports Potential
- Financial Sector Development
- Fiscal & Monetary Policies and Debt Management
- Poverty, Inequality and Human Development
- Climate Change and Water Security
- Labor Market Dynamics & Women Empowerment
- Regional Connectivity under CPEC
- The Role of Media in Policy Agenda Setting

Past Annual General Meetings and Conferences of PSDE

S. No	Themes of AGMs and Conference	Date
1st AGM	Changing Perspectives of Economic and Social Development in Pakistan	Mar 17-20, 1984
2nd AGM	Economic Development and Social Change in Pakistan: Problems and Prospects	May 12-14, 1985
3rd AGM	Pakistan's Development Experience: Social and Economic dimensions	Aug 10-12, 1986
4th AGM	Economic Development, Demographic Change and international Migration:	Aug 1-3, 1987
5th AGM	Growth, Employment and Human Capital Formation	Jan 4-6, 1989
6th AGM	The Dynamics of Economic Development	Jan 8-10, 1990
7th AGM	Economic Growth, Social Change, and Human Resource Development	Jan 8-10, 1991
8th AGM	Changing Development Perspectives	Jan 7-9, 1992
9th AGM	The Challenge of Socio-Economic Development	Jan 7-10, 1993
10th AGM	Growth, Macro-economic Stability, and Sustainable Development	Apr 2-5, 1994
11th AGM	The Dimensions of Economic Development	Apr 18-21, 1995
12th AGM	Macroeconomic Adjustment in the Era of Globalization	Dec 14-16, 1996
13th AGM	Pakistan at 50: The Development Experience	Dec 15-17, 1997
14th AGM	Pakistan in the 21st Century	Jan 28-31, 1999
15th AGM	Governance, Institutional Reforms, and Economic Development	Nov 5-8, 1999
16th AGM	Growth, Decentralization, and Poverty	Jan 22-24, 2001
17th AGM	Debt, Growth, and Poverty an	Jan 14-16, 2002
18th AGM	Regulation, Competition, and Information	Jan 13-15, 2003
19th AGM	Institutional Change, Growth, and Poverty	Jan 13-15, 2004
20th AGM	Regional Co-operation and Economic Growth	Jan 10-12, 2005
21st AGM	Skill Development, Productivity, and Growth	Dec 19-21, 2005
22nd AGM	Governance and Institutions	Dec 19-22 2006
23rd AGM	Environment and Natural Resource Management: Issues and Challenges	Mar 12-14, 2008
24th AGM	Economic Sustainability in a Globalized World	Mar 31-Apr 02
25th AGM	Investing in People	Mar 16-18, 2010
26th AGM	Fiscal Decentralization: Empowering the Provinces, strengthening the Federation	Dec 28-30, 2010
27th AGM	Economic Growth and Development: New Directions	Dec 13-15, 2011
28th AGM	Economic Reforms for Productivity, Innovation and Growth	Nov 13-15, 2012
29th AGM	Energy Security and Economic Sustainability: The Way forward	Dec 19-21, 2013
30th AGM	Poverty, Inequality and Economic Growth	Dec 2-4, 2014
31st AGM	Vision 2025: Effective Strategies for Transformational Growth	Dec 17-19, 2015
32nd AGM	China-Pakistan Economic Corridor and Regional Integration	Dec 13-15, 2016
33rd AGM	Redefining Prosperity Paths in Changing Global Economy: Opportunities and Challenges	

Pakistan Society of Development Economists 34th Annual Conference

December 12-14, 2018 at Islamabad, Pakistan

PAKISTAN'S ECONOMY: THE WAY FORWARD

Welcome to the 34th Annual General Meeting and Conference of Pakistan Society of Development Economists (PSDE). This year's overarching theme of the conference is 'Pakistan's Economy: The Way Forward'. The AGM and conference of PSDE is a regular event taking place since 1984 under the umbrella of Pakistan Institute of Development Economics, the Pakistan's premier think tank, policy research institute and university. This year's conference includes 5 distinguished lectures, 6 panel discussion sessions, 8 parallel technical sessions and the inaugural session.

Pakistan economy is facing many economic and development challenges and the present government is struggling hard to cope with these challenges. These challenges include trade and current account deficits, climate change, water security, regional connectivity and health issues. This year's conference of PSDE contains dedicated distinguished lectures and panel discussion sessions revolving around these current policy issues. World leading professionals are invited to take part in the debate. This year's distinguished guests include Dr. Adil Najam, the lead author of report of Intergovernmental Panel on Climate Change, the report that won 2007 Nobel Peace Prize. For Allam Iqbal Lecture, we have Pakistan's leading economist Prof. Syed Nawab Haider Naqwi who will be talking about defining movements and ideas in economics and For the Quaid-e-Azam memorial lecture, we have Dr. Tariq Banuri who is current Chairman of Higher Education Commission and world renowned environmental scientist and economist who will be talking about An Export Promotion Strategy for the Knowledge Economy.

The objective of the 34th AGM and Conference of PSDE is to evaluate the prospects of the economy and suggest the viable solutions and the way forward which would be helpful in setting policy direction to achieve a higher growth trajectory in terms of economic as well as human development in the coming years. Sub-themes of the conference are, but not limited to the following:

- Revitalizing Agriculture Sector
- Revitalizing Industrial Base
- Realizing Exports Potential
- Financial Sector Development
- Fiscal & Monetary Policies and Debt Management
- Poverty, Inequality and Human Development

- Climate Change and Water Security
- Labor Market Dynamics & Women Empowerment
- Regional Connectivity under CPEC
- The Role of Media in Policy Agenda Setting

Expanding on some of the above sub-themes, agriculture is the lifeline of the economy employing the largest proportion of country's workforce and providing raw material for several value-added industries. Revitalization of Agriculture can play a central role in national development, food security, employment generation, and human development. The industry is the backbone of the economy but remained vulnerable to factors such as government policy changes, trade agreements, finance and infrastructural limitations, foreign direct investment, un-skilled workforce, lack of research and innovations, and energy supply. Strategically, a prosperous industrialized Pakistan can be created through building infrastructure, creating an incentive structure designed to achieve a competitive, dynamic, and export-driven industrial sector capable of providing decent employment to the growing labor force. Pakistan also faces the challenges of declining water availability and its quality, growing water pollution, and environmental insecurity. A combination of factors, including global climate change, local waste and water mismanagement has led to a rapid depletion of water supply. The supply demand gap is persistently increasing with compounded effects of climate change on snowmelt, reducing flows into the Indus River, the primary fresh-water source for the country. In a country where economic growth is largely driven by agriculture, scarcity of water will have serious consequences for the employment, poverty, inequality and living standards of the population. Regional connectivity through China–Pakistan Economic Corridor (CPEC) provides a great opportunity with the \$62 billion of financing equivalent to 20% of country's GDP which augurs well for growth, industrial development and human development for both China and Pakistan. In this regard Trade Prospects and Opportunities and Challenges for Freight Transportation can be explored. In this age of fast communication technological advancement, the media can play an important role in reshaping preferences and social norms within societies. By publicizing information that is reliable and relevant for citizens, the media can contribute effectively towards government policies, project and programs.

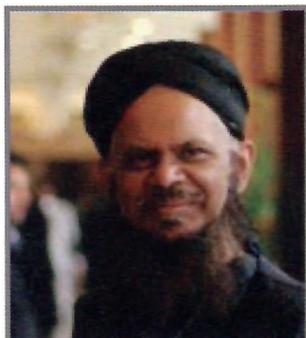
Profiles of Speakers, Panelists and Guests

Makhdum Khusro Bakhtyar

Makhdum Khusro Bakhtyar is a member of the National Assembly of Pakistan and Federal Minister for Planning, Development and Reforms. He is also patron of the Pakistan Society of Development Economics and Chancellor of Pakistan Institute of Development Economics. He has held the seats of Punjab Assembly and National Assembly and he held the portfolio of Minister of State for Foreign Affairs.



Mr. Bakhtiar graduated from the University of Punjab in 1990, and received an LLB degree from the London School of Economics and Political Science and a Bar-at-Law degree from Lincoln's Inn United Kingdom.



Dr Asad Zaman

Asad Zaman is member Economic Advisory Committee of Prime Minister of Pakistan, Vice Chancellor Pakistan Institute of Development Economics, President Pakistan Society of Development Economists. He also serves as member Monetary Policy Committee, State Bank of Pakistan and Director, PSLM and HIES Surveys, Federal Bureau of Statistics, Pakistan.

Before joining PIDE, he has taught at top rank institutions including International Islamic University of Islamabad, Lahore University of Management Sciences, Bilkent University Johns Hopkins University, Columbia University, University of Pennsylvania, Applied Economic Research Center, University of Karachi, California Institute of Technology, Center for Belgium and International Monetary Fund. He has been elected council of the Econometric Society.

Dr. Zaman has excellent command over the history of social and economic thought and historical development of western political thought. He refutes the western methodology of social sciences with undeniable evidences and considers that Islamic heritage in social sciences is far better than western counterpart. He is strong advocate the superiority of Islamic Social Sciences.

Dr Zaman has written extensively in top economic and econometric journals including Annals of Statistics and Journal of Econometrics. His current research interests include Islamic Economics, Statistics Education and Western Methodology of Social Sciences. Dr. Zaman holds PhD in Economics from Stanford, MS in Statistics and BS in Mathematics from MIT.

His Excellency Mr. Yao Jing

H.E. Mr. Yao Jing is the current Ambassador of People's Republic of China in Pakistan. Mr. Jing is associated with Ministry of Foreign Affairs of People's Republic of China since 1991 and has served as Staff, Attaché, Department of Asian Affairs, Third Secretary, Embassy of the People's Republic of China in the Islamic Republic of Pakistan, Third Secretary, Deputy Director, Director, Department of Asian Affairs, Ministry of Foreign Affairs, Counsellor, Permanent Mission of the People's Republic of China to UN, Counsellor, Embassy of the People's Republic of China in the Islamic Republic of Pakistan, Counsellor, Department of Latin American and Caribbean Affairs, Ministry of Foreign Affairs, Minister Counsellor, Embassy of the People's Republic of China in the Republic of India, Ambassador Extraordinary and Plenipotentiary of the People's Republic of China to the Islamic Republic of Afghanistan. He was born in Zhejiang Province of China and he holds a Master's degree of Law.



Mr. Asad Umar

Mr. Asad Umar is a member National Assembly of Pakistan and current Minister for Finance, Revenue and Economic Affairs. He was elected as a Member of the National Assembly of Pakistan in 2013, and for a second term in July, 2018. He began his political career in 2012 when he joined the Pakistan Tehreek-e-Insaf as its Senior Vice President. Mr. Asad Umar served as Chairman, National Assembly's Standing Committee on Industries & Production from 2014 to 2018. He started his career in Canada, with ExxonMobil. In 1997, he was appointed as the first CEO of Engro Polymer & Chemicals, the Engro's petrochemical arm. In 2004, he was appointed as the President and CEO of Engro Corporation, where he transformed the business from a predominately chemical concern to a giant conglomerate. He was awarded Sitara-i-Imtiaz in for his public service and tangible contribution in promoting investment in Pakistan.

Mr. Asad Umar earned his master's degree in Business Administration from the Institute of Business Administration (IBA), Karachi.

Ms. Shandana Gulzar Khan

Shandana Gulzar Khan is member National Assembly of Pakistan and Parliamentary Secretary at Ministry of Commerce, Government of Pakistan.

She has Experience in Trade and investment, and she is Legal professional with a demonstrated history of working in the legal services industry. Skilled in Negotiation, International Trade, International Economic Law, Policy Analysis, Strategic legal frameworks and Dispute Settlement. She holds Master degree in Law from University of Cambridge focused in Corporate Governance; Economics of Law and Regulation; WTO and International Economic Laws from.



Mr. Malik Amin Aslam

Malik Amin Aslam serves as Advisor to Prime Minister on Climate Change. He is a self professed environmentalist with a number of publications to his credit. He has served as a Minister of State for Environment during Musharraf's Presidency and is currently the Central Vice President of Pakistan Tehreek-e-Insaf. He worked as a climate change expert consultant with the World Bank and United Nations focusing on development of climate change policies in various developing countries - Malawi, East Timor, Turkey and Uzbekistan. Before entering politics, he served as the member of National Environmental Advisory Board and the Environmental Protection Council, he continues to be a member of Intergovernmental Panel on Climate Change since 1997. He served on the governing council of International Union for Conservation of Nature.

Aslam got his early education from Aitchison College followed by BSc Electrical Engineering degree from the UET Lahore, MBA in Finance from McGill University, MSc in Environmental Management from Oxford University.

Senator Mohsin Aziz

Senator Mohsin Aziz is a member of Pakistan Tehreek e Insaf and first time elected member of the Upper House of the Parliament. Hailing from Peshawar, he belongs to business/ industrialist family. After completing his studies he acquired management and industrial training from Japan before starting his career of running family business.



He has a extensive and meritorious experience in the prestigious business, industrial and government forums most notable among them are the two term member Board of Directors State Bank of Pakistan (SBP), Provincial Minister for Commence, Industries, Minerals and Technical Education, Twice Chairman of All Pakistan Textile Manufacturer Association (APTMA), Member Board of Directors, Pakistan Petroleum Ltd. (PPL), Habib Bank Ltd. (HBL).

He is also a running a philanthropic foundation, Aziz Jan Foundation, whose endeavors include state of the art institute offering the modern quality education to the marginalized students of Peshawar.



Dr Yasmeen Rashid

Yasmeen Rashid is Member Provincial Assembly Punjab and Minister of Punjab Government for Health. Dr. Yasmeen had been serving in Rawalpindi Medical College, Fatima Jinnah

Medical University and King Edward Medical University. She is one of the renowned Gynecologists in Lahore. Yasmeen is currently affiliated with Central Park Medical College as head of Genealogy department. Dr Yasmeen has been President of Pakistan Medical Association since. She also performed duties as Chairman Task Force Women Development. Dr Yasmeen joined Pakistan Tehreek-e-Insaf and contested elections from the constituency against the former Prime Minister.

Dr Yasmeen received MBBS degree from Fatima Jinnah Medical University, MRCOG degree from Royal College of Obstetricians and Gynaecologists in. She obtained FCPS degree from College of College of Physicians and Surgeons Pakistan.

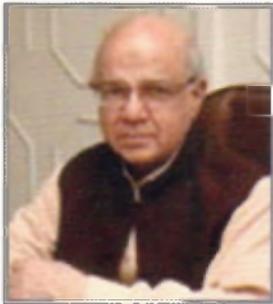
Dr Tariq Banuri

Dr Tariq Banuri is current Chairman of the Higher Education Commission of Pakistan. Before joining HEC as Chairman, he was working as Professor of Economics at University of Utah, USA. He recently served as Director, Division for Sustainable Development, at the United Nations.



Dr Tariq Banuri has broad experience in government, academia, civil society and the international system. He started his career in the Civil Service of Pakistan, went on to receive a PhD in Economics from Harvard University, and joined the United Nations as a Research Fellow at the WIDER. Dr. Banuri was member of Steering Committee on

Higher Education Reforms, the body that played a vital role in inception of HEC in 2002. He has also remained member of the Board of Governors, State Bank of Pakistan, member of the Pakistan Environmental Protection Council and worked as Coordinating Lead Author on the Nobel Prize winning Inter-governmental Panel on Climate Change (IPCC). He has been providing free consultative services to Pakistan government in the area of climate change and to Mehran University in the area of water. Dr. Banuri holds a PhD degree in Economics. He did his Bachelors in Civil Engineering from University of Peshawar and Masters in Development Economics from Williams College.



Dr Syed Nawab Haider Naqvi

Prof Syed Nawab Haider Naqvi is a Professor of Economics at Virginia Tech, USA and at Federal Urdu University of Arts Science and Technology, Islamabad. He has been Director PIDE for a long tenure and have inevitable role the development of PIDE. He is also the Founder President of Pakistan Society of Development Economists. He held the positions of Senior Economic Adviser, National Electric Power Regulatory Authority (NEPRA), and Economic Adviser, MCB Institute for Development Research, Chief, Economic Affairs Division, Government of Pakistan and Rector of Kausar University of Sciences, Islamabad

He has been a Member, National Geographic Society, Washington, Chairman, Committee for the Eighth Five Year Plan, Government of Pakistan, Chairman, and Member Board of Management, Asia and Pacific Development Center, The United Nations, Kuala Lumpur, Chairman and Member, Asian Sub-Link Project, ESCAP, Bangkok, and Chairman, Committee on Islamization, Government of Pakistan. He has received Sitara-i-Imtiaz (1991), ECO Award for outstanding performance in the field of Economics (1992), Lifetime Academic Achievement Award, (2005–2006), Lifetime Award for Kanati Institute of Russia (2001–2012). His area of research include Development Economics, International Economics, Agricultural Economics, Comparative Economic Systems and Econometric Model-building. He received his master's degree from Yale University and his doctorate from Princeton University.

Dr Adil Najam

Dr Najam is the Inaugural Dean of the Pardee School of Global Affairs at Boston University, where he is also a professor of international relations and of earth and environment. Former Vice Chancellor of LUMS, he has also been a professor of negotiation and diplomacy at the Fletcher School of Law and Diplomacy, the Director of the Boston University Center for the Study of the Longer-Range



Future, and taught at MIT.

Author of over 100 scholarly papers and author or editor of over a dozen books, Dr. Najam was a lead author for the third and fourth assessments of the Intergovernmental Panel on Climate Change (IPCC), work for which the IPCC was awarded the 2007 Nobel Peace Prize. His areas of specialization include global climate change and sustainable development; human development and human security; and international environmental policy. His public scholarship has also focused on Pakistani state and society. He was on the Advisory Board of the 2011 UNDP Human Development Report and was Lead Author for the 2017 Pakistan Human Development Report.

Prof. Najam was awarded with the Sitra-i-Imtiaz in 2009. He was elected to the International Board of the WWF, is a Trustee of The Asia Foundation, chairs the Board of the Switzerland-based Luc Hoffmann Institute, has been a Council Member of the International Institute for Applied Systems Analysis (IIASA) in Vienna, was the Board Chair of the SANDEE, served on the Academic Council of the South Asia University in New Delhi, and was former Chair of LEAD-Pakistan.

Prof. Najam holds two Masters and a PhD from the MIT, a Specialization in Negotiation from Harvard Law School, a civil engineering degree from UET Lahore, and one honorary doctorate.

Dr Frank J. Chaloupka

Dr. Chaloupka is a research professor in the Division of Health Policy and Administration at Chicago School of Public Health, University of Illinois. He is recognized for his study of the economics of tobacco control. He directs Institute for Health Research and Policy's Health Policy Center. He is also a research associate at the NBER's Health Economics Program and Program on Children. Dr. Chaloupka co-directed 'Bridging the Gap', an interdisciplinary national research program which contributed substantially to the understanding of the influences of policy, programs, and environment on youth, and influenced federal, state and local policy initiatives to improve the health behaviors of children and adolescents.

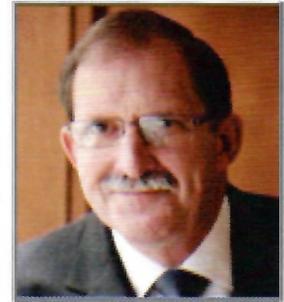


Dr. Chaloupka is a recipient of the WHO-2014 'World No Tobacco Day Award', the 2011 John Slade Award of the Society for Research on Nicotine and Tobacco and the 2015 Luther Terry Award for Outstanding Research Contribution. He is the principal investigator of Tobacconomics, economic research that informs tobacco control policy. He serves on the Institute of Medicine committee on Leading Health Indicators for Healthy People 2020. He contributed as an editor and author to the 2012 Surgeon General's Report, Preventing Tobacco Use among Youth and Young Adults. He has over 150 publications on economics of drug preventions, tobacco control and related topics.

Dr. Chaloupka received his doctorate in economics from the City University of New York Graduate School in 1988.

Dr David D. Arnold

David D. Arnold is sixth president of The Asia Foundation. A highly respected international development veteran with years of experience across the Asia-Pacific and the Middle East, he leads all aspects of The Asia Foundation. Established in 1954, The Asia Foundation is a nonprofit international development organization committed to improving lives across a dynamic and developing Asia. Before joining The Asia Foundation, Arnold served as president of the American University in Cairo (AUC) for seven years. Previously, Arnold served as Executive Vice President in the Institute of International Education, the world's largest educational exchange organization and the Ford Foundation. He has been a civil servant and during this tenure he served at Michigan Department of Labor, Washington, D.C.'s National Governors Association, the Coalition of Northeastern Governors, a regional think tank and policy institute.



Arnold serves on the board of the World Affairs Council of Northern California and the World Learning's Global Advisory Council. He is also a public speaker on issues of governance and development in Asia-Pacific. Dr. Arnold holds a master's degree in Public Administration from Michigan State University and a bachelor's degree from the University of Michigan. He received an honorary doctorate of humanities from Michigan State University.



Mr. Shafqat Mahmood

Shafqat Mahmood is a member of National Assembly of Pakistan and the current Federal Minister for Federal Education and Professional Training, National History and Literary Heritage.

He started his career from civil services of Pakistan and served as Assistant Commissioner of Murree and Pakpatan, Deputy Commissioner for Gujranwala and Dera Ghazi Khan and Additional Secretary Finance of Government of Punjab. Later, he joined Prime Minister's Secretariat and served as Joint Secretary. In politics he served as political secretary to then Prime Minister of Pakistan Benazir Bhutto. He joined PTI in 2011 and served as information secretary. Previously, he has been MNA and member of the Senate of Pakistan for two non-consecutive tenures. He has held the portfolio of Ministry of Food, Agriculture and Livestock, Ministry of Environment, Urban Affair Forestry and Wildlife and Ministry of Local Government and Rural Development in the in his past tenures. He also has served as Provincial Minister of Punjab for Information.

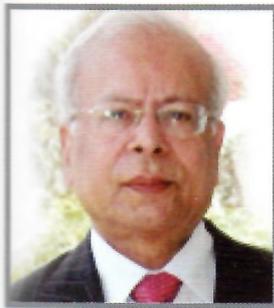
He holds Master degrees in Psychology and Public Administration from the Harvard University and Masters in Public Policy and Administration from University of Southern California.

Dr Aliya Hashmi Khan

Dr Aliya Hashmi Khan is member of Prime Minsiter's Economic Advisory Council and member of Monetary Policy Committee of State Bank of Pakistan. She is currently is a professor in the Economics Department at Quaid-e-Azam University, Islamabad.



She specializes in Monetary Theory, Human Resource Development and Labor Economics and has done research work on Post Migration Investment in education by Immigrants in U.S which was presented at the Conference on Migration in 1997. Aliya did her Ph.D in economics from University of Illinois at Chicago, USA in 1987 and earlier did her M.A. in social sciences from the same institute. She did her M.Sc in economics from Quaid-i-Azam University, Islamabad in 1981.



Dr Ishrat Husain

Dr. Ishrat Husain is advisor to Prime Minister of Pakistan for Institutional Reforms and Austerity and an Ex-Governor of State Bank of Pakistan. Prior to this position, he was Professor Emeritus at IBA Karachi.

He served at several important assignments for World Bank which include Resident Representative to Nigeria, head of Debt and International Finance Division, Chief Economist Africa, Chief Economist for East Asia and Pacific Region, Director Poverty and Social Department and the Country Director for Central Asian Republics.

With Government of Pakistan he served as Chairman Pay and Pension Commission, Director on the BISP, Convener, Economic Advisory Council, Ministry of Finance, member Advisory Council to the Minister of Planning, Development and Reforms and member of Monetary and Fiscal Coordination Board.

Mr. Husain has authored more than 80 books, monographs, book chapters and refereed journal articles. His recent book Masterpiece book is 'Governing the Ungovernable: Institutional Reforms for Democratic Governance'. He serves on the Boards of several research institutes, philanthropic and cultural organizations.

He received Hilal-e-Imtiaz and Nishan e Imtiaz in 2003 and 2016 respectively by the President of Pakistan. Dr. Husain holds Master in Development Economics from Williams College and PhD Economics from Boston University.

Dr Eatjaz Ahmed

Dr. Eatjaz Ahmed is Professor of Economics and SBP Chair at Quaid-e-Azam University, Islamabad. He has been Vice Chancellor, Quaid-e-Azam University, Islamabad. His earlier assignments include Professor, FC College University, Lahore, Professor on SBP Chair in Economics, University of Peshawar, Professor and Director, International Institute of Islamic Economics, International Islamic University Islamabad, Director School of Economics, QAU, , Dean Faculty of Social Sciences, QAU, Director National Institute of Historical and Cultural Research, QAU, Director National Institute of Pakistan Studies and Chairman, Department of Economics.



His research interests include macroeconomic management, public sector economics, economic growth, and labor economics. He has written over 200 peer reviewed books, book chapters and journal publication. Dr. Eatjaz holds PhD Economics, from McMaster University, Hamilton, Canada.



Dr Nadeem ul Haque

Dr Nadeem ul Haque is member of Prime Minister's Task Force for Civil Service Reforms, former Vice Chancellor PIDE and former Deputy Chairman Planning Commission of Pakistan. His earlier responsibilities include Acting Chief Economist, Planning Commission, Government of Pakistan, Member, Planning Commission, Government of Pakistan, Director, PIDE, Trade Policy Advisor to the Minister of Commerce, Government of Pakistan, Visiting Professor Williams College Massachusetts, US, Advisor IMF Institute, Senior Resident Representative of the IMF in Sri Lanka, Deputy Division Chief, Monetary and Exchange Policy Analysis Division, Research Fellow, International Food Policy Research Institute, Senior Economist, Developing Country Studies Division among others. He was ranked as the top economists of Pakistan for year 2016 by IDEAS, and America based archive of economic writings. His areas of research include Corruption, International Trade, Macroeconomic Policies, income distribution, industrial economics, Human resources, privatization, and Fiscal and Monetary Policy.

Dr Haque holds PhD in Economics from University of Chicago, Illinois, M.A. Economics and B.Sc. from University of Oxford.

Mr. Shahid Hussain Asad

Shahid Hussain Asad retired from as federal secretary statistics division in grade 22. He served Government of Pakistan for over 35 years in various leading positions. Before joining Statistics Division as federal secretary, he served as senior member (Inland Revenue- Policy), FBR. He brings with him rich professional experience, accentuated by higher education from both local and foreign institutions. He has undertaken a number of professional and management related training programs like the senior management course, and national management course at Staff College, Lahore and other short-term training courses both in Pakistan and abroad.



He had extensive working experience in field as assessing officer, supervisory officer and commissioner of income tax dealing with tax administration of corporate and non-corporate taxpayers. He also worked as commissioner (appeals). At FBR headquarters, he worked almost at all steps of the career ladder - second secretary, secretary, chief, member and senior member etc.

He conceived the idea of a separate intelligence agency for Inland Revenue Service and actually established and headed it as Director General.. As director general intelligence and investigation inland revenue (IR), he introduced the concept of 'Red Alert' preventing fraudulent sales tax refunds to the tune of billions of rupees.



Mr. Riaz Riazuddin

Mr. Riaz Riazuddin has served as acting Governor and Deputy Governor of the State Bank of Pakistan. Before his tenure as Deputy Governor, he served at various positions in State Bank of Pakistan including Chief Economic Advisor (Monetary Policy), Executive Director (Human Resources), Director Securities Department, Director Research Department and Additional Director, General Economic Research. He has been a member on the Board of Directors of NIBAF and member of the Monetary Policy Committee of SBP. Department and his subsequent responsibilities included, , and Before joining SBP, he has been serving as Assistant Professor at Applied Economics Research Centre (AERC), University of Karachi.

At SBP, Riazuddin has been part of formulating and implementing the Bank's Monetary Policy in various capacities through management of Net Domestic Assets, Open Market Operations, and auction of government securities. His central banking experience covers monetary operations, debt management and research in economics and finance. He holds Master's degrees from the University of Karachi and Boston University, USA in Statistics, Economics and Economic Policy.

Dr Ashfaqe Hasan Khan

Dr. Ashfaqe Hasan Khan is currently the Principal and Dean, School of Social Sciences & Humanities, NUST and member of the Economic Advisory Council of the Government of Pakistan. He started his career from PIDE as Research Economist and subsequently he served at senior positions including Joint Director, PIDE. He then left PIDE to become Economic Adviser to Ministry of Finance. At ministry of finance, he held the positions of Special Secretary Finance, Director General Debt Office and Economic Adviser to Ministry of Finance. He also has been the Director Saudi-Pak Industrial and Agricultural Investment Company Ltd, Directors of the UBL, Pakistan and Pak-Libya Holding Company.



He has been involved in the preparation of the Debt Reduction Strategy and the Fiscal Responsibility and Debt Limitation Act, both of which were later adopted by the Government of Pakistan. Dr. Khan's past experience includes: visiting Lecturer at the Towson State University, USA and Visiting Fellow at the Kiel Institute of World Economics in Germany. He has been the Consultant to UN - ESCAP, the Asia-Pacific Development Centre, the Asian Development Bank, World Bank and to Secretary General SAARC.

In recognition of his outstanding contributions, he was awarded with Sitara-i-Imtiaz in 2005 by President of Pakistan and ECO Excellence Award 2010 by the Economic Cooperation Organization (ECO). Dr. Khan holds a Ph.D degree in economics from the Johns Hopkins University in USA.



Dr Muhammad Ahmed Zubair

Dr Mohammad Ahmed Zubair is Regional Lead Economist in the Islamic Development Bank (IsDB), currently covering the Asia region as well as covered the MENA region. He has led multi-disciplinary teams to advise governments of IsDB member countries in national development strategy and managing economic policy issues.

Dr Zubair has conducted strategic and policy dialogue with several governments in MENA and Asia regions, and has carried out sector diagnostics and applied economic research. In addition, he has the unique experience of combining country development assistance programming, conducting operational portfolio reviews, country risk and credit quality issues which are also aligned with the prioritized country developmental needs.

In Pakistan, Dr Zubair has worked in leadership positions with the National Development Finance Corporation; Lahore University of Management Sciences; and the State Bank of Pakistan. He is a graduate of Government College, Lahore (1979) and the London School of Economics & Political Science (1983), and obtained Ph.D. from the University of Sussex (1994), UK.

Dr. Zubair has published over 100 reports and research papers on a variety of development issues including macroeconomic assessment and crisis response, fragility and conflict, private sector and trade development, and the Islamic financial sector.

Dr Talat Anwar

Dr. Talat Anwar is Professor and Head of PIDE School of Public Policy at PIDE. Dr. Anwar has more than 40 research papers and research reports and 32 years' research, teaching and management experience at senior level positions in various national and international institutions—State Bank of Pakistan, Canadian International Development Agency, UNDP, Planning Commission, COMSATS Institute of Information Technology, and Allama Iqbal Open University along with international consulting experience with World Bank, ADB, DFID, EU, UNDP and UNICEF in different areas including Poverty, Inequality, Economic Policy, Central Banking and Finance, Public Policy, Employment, Economic Planning and Development, Governance, Water and Energy Sectors.



He holds PhD degree from the University of Sussex, Brighton, UK and MSc in Quantitative Development Economics from the University of Warwick, Coventry, UK.



Dr Nuzhat Ahmad

Dr. Nuzhat Ahmad is consultant and CEO at Apstone Consulting International. She has over 25 years of experience in research, teaching and policy advisory. Ahmad has worked as Senior Research Fellow at IFPRI, Poverty Policy Advisor at UNDP, Director and Head of Research at AERC, University of Karachi. She has been editor of the Pakistan Journal of Applied Economics. She has undertaken research for institutions including World Bank, ADB, UN, USAID, DFID and Aga Khan Foundation. She has worked extensively on poverty, gender, urban economics, social protection, human development, food security and public finance.

Dr. Ahmad has served on the Advisory Committees of IFPRI; PM's Task Force on Poverty Alleviation and Employment, Technical Advisory Committee for Social Safety Nets, Board of Directors of Pakistan Steel Mills, Technical Committee Federal Bureau of Statistics, Advisory Group on Women's Empowerment, Advisory Committee to the PM on Finance, Economic Affairs and Statistics, HEC's Committee for Promotion of Social Sciences, and Taskforce on Provision of Urban Services and Poverty Alleviation.

Dr Ahmad was the recipient of the Eisenhower Fellowship and Ford Foundation Scholarship for PhD. She was cited in the Madison NYC Who is Who 2012 Professionals of the Year. She holds a Ph.D. in Economics from Sheffield University, UK.

Dr Abdul Salam

Dr. Abdul Salam is serving in University of Punjab, as Professor of Economics on SBP Chair. Dr Salam started his career from PIDE as a Research Economist and that he joined Agricultural Prices Commission, to serve as Chief, Farm Production Economics Division. He has served on several expert committees and working groups appointed by the Government. He has also served at the Federal Urdu University of Arts, Science and Technology, Islamabad as a professor and as chairman of the Department of Economics. He has also served as a visiting faculty at the NUST and International Islamic University, Islamabad. He has published extensively on issues relating to farm production and productivity, technology adoption, farm mechanization, terms of trade for agriculture, agricultural policy and poverty, distortions to incentives in farm production, food security. He has worked as a consultant with the World Bank, IFPRI, Asian Development Bank and Food and Agriculture Organization of the United Nations.



Dr. Salam earned his Ph. D. in agricultural economics from the University of Hawaii, USA, Dr. Salam studied at the University of Agriculture, Faisalabad and earned his MSc (Hons) in agricultural Economics.



Dr Stephen Davies

Stephen Davies is IFPRI Senior Research Fellow and Program Leader for the Pakistan Strategy Support Program (PSSP), Islamabad. He is Professor Emeritus, Department of Agricultural and Resource Economics, Colorado State University where he served as Chair of the Department from 2005-2011.

His research on Pakistan has focused on agricultural policy, computable general equilibrium models, and water resources. Prior to joining PSSP, he worked as an economist on the Friends of Democratic Pakistan's Water Sector Task Force, and has been active in the recent national water policy discussions

Dr Ather Hussain Akbari

Dr. Akbari is Professor of Economics at Saint Mary's University in Halifax, Canada. He teaches labour economics and microeconomics. His main area of research is immigration economics. He has published extensively in academic journals such as Applied Economics, Canadian Journal of Economics, Education Economics, International Migration Review (also co-edited a thematic section of one issue of this journal), Pakistan Development Review, etc.

He has conducted several immigration related projects for federal and provincial governments in Canada and also serves on government committees as external reviewer and academic representative. His work has been cited in Dawn (Karachi), The Economist magazine, Globe and Mail, New York Times, Wall Street Journal, Washington Post, etc.

He chairs the Atlantic Research Group on Economics of Immigration, Aging and Diversity at Sobey School of Business. Dr. Akbari attended University of Karachi and Simon Fraser University to obtain his master's and doctorate degrees.



Dr Nasir Mahmood Khilji

Nasir Mahmood Khilji has been a Senior Economist for the past 10 years at the Office of Economic Policy/Chief Economist, U.S. Department of the Treasury. He covers all areas of macro-economics and along with senior staff from the President's Council of Economic Advisers, and Office of Management and Budget, prepares the Administration's economic forecasts that underlie the U.S. Budgets. Prior to this, over a 28 year period, Nasir was sequentially: an international economist at the U.S. Energy Information Administration, a U.S. Economic Adviser to the Kingdom of Saudi Arabia, a Financial Analyst at the U.S. Federal Communications Commission, and an Associate Professor at the Catholic University of America. He has researched and published in areas of macroeconomics, energy economics, financial economics, development economics, and the economics of telecommunication.

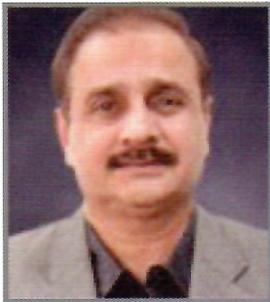
Through the UNDP, Nasir provided technical assistance several times to the Pakistan Institute of Development Economics. Nasir has a PhD in Economics from McMaster University and has studied at and holds degrees from: Indiana State University, University of Pennsylvania, Punjab University, and Government College, Lahore.

Anjum Asad Amin

Anjum Asad Amin is a former civil servant having 35 years of experience in Finance and Economics, Public Policy and Trade Policies. Her assignments include Additional Secretary Trade Diplomacy, Ministry of Commerce , Additional Secretary Economic Affairs Division, Director General Pakistan Institute of Trade and Development, Member NDMA and Joint Secretary Commerce and Economic Affairs Division. She represented government of Pakistan in Sweden as Commercial Counsellor and Netherlands as Commercial Secretary. She is a Trade Sector Specialist include Multilateral and Bilateral Agreements on Trade, Financial and Economic Cooperation and relevant laws; Economic Cooperation relating to Trade and other sectors; Negotiations on FTA's , WTO; Trade Policy, Foreign Trade, Commerce, Negotiations for Foreign Trade Agreements, Trade Promotion. International Trade Laws, Trade and Tariffs; Technical Assistance and Cooperation.



She has taught Economics trade economics at PIDE and University of Sargodha. She has also delivered series of lectures on Pakistan Economics at Foreign Services Academy. Anjum is s PhD fellow in Economics of Innovation and Growth from Royal Institute of Technology (KTH), Stockholm, and holds MS in International Economics from, Birkbeck College, University of London, UK.



Dr Rashid Aftab

Dr. Rashid Aftab is Director Faculty of Public Policy, Riphah International University, Islamabad. He was involved in Planning, Coordinating, and Monitoring/ Evaluation of various Socio-economic, Water Resources, Human Resources Development, SME and Telecom projects in; Ministry of Science & Technology, Ministry of Environment, Local Govt. & Rural Development, Ministry of Industries & Production and NayaTel/Micronet Broadband Ltd. The program development & implementation and liaison with international agencies like: UNESCO, World Bank, USAID, UNDP, Asian Development Bank, ICIMOD, UNIDO and J.E. Austin remained the salient feature of his assignments. Dr. Aftab is a speaker, presenter, facilitator and also give expert opinion on electronic media on the policy & governance issues of the country. The Primary areas of interest in respect of Dr. Aftab includes ; policy, Governance, Water, Institutional development and Linkages, Coordination, developing strategies and succession planning, Program Analysis, Government/international Liaison, Human Resource Management, Project Management and Strategic Alliances.

Dr. Aftab holds Ph.D in Public Polices and Governance from Utrecht University, Netherlands. He also holds MBA, M.Sc. Organizational Sciences & Good Governance and B.Sc (Water Resources Engineering).

Shahid Rashid

Shahid Rashid is current Executive Director of CPEC-Center of Excellence at PIDE. The CE-CPEC is envisioned as an apex research center to work as a think tank to reap the true spirit of CPEC portfolio; energy, infrastructure, Gwadar and industrial cooperation to support the broader initiatives namely Pakistan Vision 2025 and One Belt One Road (OBOR).



Before the current assignment, he held the positions of Deputy Director Supply Chain Management in CPEC Secretariat, Ministry of Planning Development & Reform and General Manager and Deputy Project Director at National Development Complex, NESCOM. Dr. Shahid has been involved in research supervision and post graduate teaching at NUST, UET Taxila, UET Peshawar, Behria University and Iqra University. He serves at study boards of UET Peshawar. Shahid Rashid has attained a Doctoral degree from Loughborough University, with specialization in the field of Supply Chain Management. He did masters in Industrial and Manufacturing Engineering and bachelors in Mechanical Engineering.



Ambassador (Retired) Syed Hasan Javed

Ambassador (Retired) Syed Hasan Javed is currently Director, Chinese Studies Centre, School Of Social Sciences and Humanities (S3H), NUST, Islamabad. Belonging to Pakistan Foreign Service, he retired as Ambassador of Pakistan to Germany in 2015. He also served as Pakistan's High Commissioners in Singapore and Mauritius. During his 37 year diplomatic career, he worked on two diplomatic assignments spanning over nearly ten years in the People's Republic of China, where he also learnt the Chinese language. He also worked in Pakistan diplomatic missions in Zimbabwe, Belgium and Tajikistan. At the Ministry of Foreign Affairs, he worked on a variety of assignments and responsibilities including South Asia, United Nations, Policy Planning, Asia-Pacific Divisions. He is author of 'Chinese Made Easy' and 'Chinese Soft Power Code'.

Dr Zhao Hai

Zhao Hai is a research fellow at the Institute of World Economics and Politics (IWEPI) at the Chinese Academy of Social Sciences after leaving a position as a research fellow at the National Strategy Institute of Tsinghua University (NSI).



He graduated from Peking University with a dual bachelor's degree in history

and law, and later with a master's degree in Asia-Pacific regional studies. Dr. Zhao studied at the Hopkins-Nanjing Center for Chinese and American Studies. He obtained his PhD in international history from the University of Chicago and worked at various think tanks in Chicago and Washington D.C. in the United States. After returning to China, Dr. Zhao joined the NSI and has done research on topics ranging from US-China relations to Asia-Pacific economic relations.



Dr Jamshed Uppal

Dr. Jamshed Uppal is Associate Professor of Finance at Busch School of Business, Catholic University of America, Washington. Before joining the CUA School of Business and Economics, Dr. Uppal taught at the Oakland University, Michigan. Additionally he has extensive professional and business experience.

Dr. Uppal's teaching interests are in the area of international corporate financial management, derivatives, and financial institutions and markets. His research interests cover areas of emerging capital markets, valuation and risk models and stock price behavior. His publications have appeared in the Journal of Emerging Markets, Emerging Markets Finance and Trade, Journal of Academy of Finance, Thunderbird International Business Review, the Quarterly Review of Economics and Finance, and the Financial Review. Dr. Uppal has executive experience in financial controllership, accounting and auditing in the private and public sectors. He draws on his experience in to make business finance to do justice to this applied professional field.

Professor Jamshed Uppal specializes in the financial management area. He received his Ph.D. and M.B.A. degrees in finance from the Michigan State University. Dr. Uppal also holds an M.A. degree in economics and a professional certification in cost and management accounting.

Kim J. DeRidder

Mr. DeRidder is director for The Asia Foundation's Environment Programs. DeRidder oversees program development and implementation in all Foundation programming related to the environment, including programs addressing climate change, natural resources management, green growth development, and disaster risk management. Kim DeRidder brings 30 years of experience in program management and leadership within the region, including nearly five years as the Foundation's Director of Programs for Laos and Assistant Representative for Thailand. Prior to rejoining the Foundation Kim served as Managing Director for World Wildlife Fund (Indonesia), Country Director for the Nature Conservancy (Indonesia), Chief



of Party and Team Leader/Facility Manager for forest and climate change projects in Indonesia for USAID and AusAID, respectively, and Chief of Party for two separate peacebuilding and conflict mitigation projects for USAID (Indonesia, Sri Lanka).

Kim has Bachelor's degree from the University of Tennessee in Interdisciplinary Research, a master's degree in Public Affairs from the University of Texas, and additional graduate studies in environmental policy from the University of California.

Dr Asim Zia

Dr. Asim Zia is serving as a Professor of Public Policy and Computer Science in the Department of Community Development and Applied Economics, with a secondary appointment in the Department of Computer Science, at the University of Vermont. He is Director of the Institute for Environmental Diplomacy and Security (IEDS) and Co-Director of the Social Ecological Gaming and Simulation (SEGS) lab at the UVM.



His scholarship, research and public service activities have focused on advancing the interdisciplinary fields of complex systems modeling, computational policy analysis, governance network analysis, coupled natural and human systems and social ecological systems. He has served on scientific review committee of national socio-environmental synthesis center (SESYNC), acts as an academic editor for PLOS One, and associate editor of Complexity, Governance and Networks. He has a Ph.D. in Public Policy from the Georgia Institute of Technology; recipient of 2004-2005 best dissertation award from the Association for Public Policy Analysis and Management, a post-doctoral fellowship from the National Center for Atmospheric Research (2004-2006), a fellow at the Gund Institute for Environment (since 2011), a senior research fellow for the Earth System Governance project (since 2012) and a senior fellow for Global Change Impact Studies Center (since 2017).



Rehana Siddiqui

Rehana Siddiqui is currently serving as Professor in the Department of Environmental Economics at PIDE. She has held the positions of Joint Director, Chief of Research, Professor and Senior Research Economists at PIDE. She also has been Director of Centre for Environmental Economics and Climate Change at PIDE. She has been a fellow of South Asian Network for Development and Environmental Economics (SANDEE), member of the

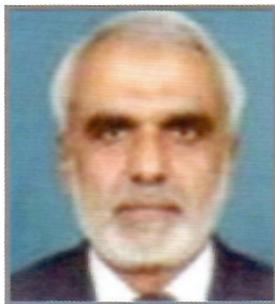
Panel of Economists of Planning Commission of Pakistan and member of the Task Force on Climate Change, Planning Commission of Pakistan. She teaches Microeconomic Theory, Economics of Climate Change, and Public Policy. She is member of advisory board of several universities. She has more than 40 research paper and research reports to his credit. She holds a PhD in Economics from Columbia University, New York, USA and has a specialization on Economic Growth, Environmental Economics.

Dr Mehtab Karim

Dr. Mahtab Karim is a social scientist and the Vice Chancellor of Malir University of Science & Technology and President of Metropolitan Institute in Karachi, Pakistan. Previously, he was a Research Professor in the School of Public Policy and a Distinguished Senior Fellow at the Institute for Immigration Research at George Mason University. He has worked for Pew Research Center in Washington DC, Aga Khan University in Karachi, East-West Centre, Hawaii and PIDE, Islamabad.



He also served as consultant for World Bank, Senior Associate at Johns Hopkins University, and Research Fellow at London School of Economics. He has served on various national committees constituted by the Government of Pakistan including as a member of the Governing Council of Pakistan Bureau of Statistics. He is author of more than 60 research articles and book chapters. His research interests include; Human Development in Pakistan in the context of South Asian countries, Dr. Karim holds MA from the University of Chicago and PhD in Demography and Human Development from Cornell University.



Dr Ghulam Muhammad Arif

Dr. Ghulam Muhammad Arif is a former Joint Director of PIDE and former Secretary Pakistan Society of Development Economists. He has worked as a Poverty Reduction Specialist and Research Demographer in PIDE. As a Joint Director, he has coordinated the research activities of different research Divisions, besides heading a Research Division named Population, Poverty and Labor Dynamics - responsible to carry out research on issues related to the social sector including population dynamics, employment, health, education, poverty, safety nets, income distribution and MDGs. He has worked as Lead Consultant for the SAARC Regional Poverty Profile and as Poverty Reduction Specialist with Asian Development Bank Resident Mission to Pakistan. He has more than 50 research papers, book chapter, research reports to his credit. He holds Ph.D. and MA in Demography from Australian National University, Canberra, and MA Economics from Islamia University, Bahawalpur.

Dr Durre Nayab

Dr. Durre Nayab is Joint Director and Director Research at the Pakistan Institute of Development Economics (PIDE), Islamabad. She has been working in areas related to demography for well over two decades. Her research interests include dynamics of age-sex structure and its implications specifically for the youth and the elderly, class structure, and nuptiality and the marriage markets. Her much-cited research on the demographic dividend in Pakistan titled, "Demographic Dividend or Demographic Threat in Pakistan?", and "Measuring the Middle Class in Pakistan" on the class structure of the country, are considered path-breaking works in these areas. Having a background sociology, anthropology and demography she takes a multidisciplinary approach in dealing with her research topics.



Dr. Nayab has a PhD in Demography from the Australian National University (ANU), Canberra, Australia.



Dr Rashid Amjad

Dr Rashid Amjad is Director, Policy Planning and Employment Sector at the International Labour Organization (ILO), Geneva. He has been Chief and principal author of the ILO's World Employment Report (WER) 1998-99 and joint author of the World Employment Report 2001. He has held the positions of Director, Policy Planning, Director, Employment Strategy Department, Chief, World Employment Report Team, Director, ILO Multidisciplinary Support Team for South-East Asia and the Pacific, Head, Employment and Manpower Planning Unit, Employment at ILO and Various teaching positions at Punjab University, Lahore. He has worked and published extensively on Pakistan's employment, Human Resource Development, labor market and poverty issues. Dr Amjad graduated from Government College, Lahore, and did his Tripos in Economics (BA Hons) from and doctorate (PhD) from the University of Cambridge.

Patchamuthu Illangovan (Illango)

Patchamuthu Illangovan (Illango) is the current World Bank's Country Director for Pakistan. He joined the World Bank in 1993 and has since served in many positions including leadership roles in Europe and Central Asia, East Asia and Pacific, and South Asia regions of the World Bank. He has also held managerial responsibilities in the Bank's country offices in Bangkok, Vientiane and Kabul. Illango has managed programs and projects in many



middle and low income countries, including leading teams that have delivered complex and innovative solutions to Bank clients in water, environment, natural resources, energy and urban sectors.

He has extensive experience in overseeing the implementation of portfolios in challenging country environments. Prior to joining the Bank, he worked in the public and private sectors in Sri Lanka.



Abdul Wajid Rana

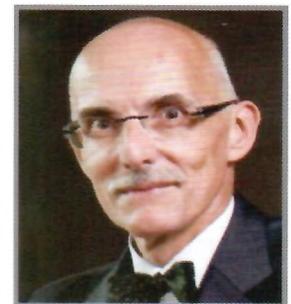
Mr. Abdul Wajid Rana is the program leader of the Pakistan Strategy Support Program in Islamabad. Rana has served in Pakistan Administrative Service for 37 years. His assignments have been related to public policy, economic and financial policy, governance, institutional development, International Financial Institutions, change management, project management, policy reforms and development issues.

He has served as Member Federal Public Service Commission, Federal Secretary for Finance, Federal Secretary Economic Affairs Divisions, Principal Staff Officer to the Prime Minister, Additional Chief Secretary Planning and Development, KPK, Finance Secretary to Provinces of Sindh and KPK, Special Assistant to the Federal Finance Minister, Home Secretary Sindh, Director General KDA, Director General, Executive Policy Action and Coordination Organization Sindh, and Deputy Commissioner, Karachi South and Karachi East. He has served for top financial institutions including IMF, WB, ADB, and IDB, SECP and State Bank of Pakistan.

Mr. Rana holds M.Sc degree from Quaid-i-Azam University and an MBA and Master of Finance degrees from St. Louis University Missouri, USA.

Jean-François Cautain

Jean-François Cautain is the ambassador of the European Union to Pakistan. Cautain has extensive work experience in the field of European Union external relations. His main areas of expertise include: international cooperation and assistance to developing countries, political analysis and dialogue, post-conflict situations and civil society. Jean-François Cautain has been serving within EU as Head of Operations of the European Commission Delegation to Afghanistan, Head of Political, Press and Information Section EU and Head of EU Delegation to Thailand. Jean-François Cautain actively contributed to the establishment of the new European External Action Service where he was appointed as Team Leader in the Policy



Coordination Division in Brussels.

In November 2011 he was appointed as the first resident European Union Ambassador to the Kingdom of Cambodia. Jean-François Cautain holds a Masters in Development Management from the London School of Economics, and a Doctorate in Veterinary Medicine.

Guntur Sugiyarto

Guntur Sugiyarto is Principal Economist, Pakistan Resident Mission, Asian Development Bank. Guntur has published a significant number of papers and books on a wide range of development issues, such as competitiveness, investment, tourism economics, minimum wage, labor markets, poverty, CGE modeling, trade liberalization, taxation, commodity prices, biofuel and food security, education, infrastructure, fragility, and migration.



Before joining ADB in 2004, he worked for the universities of Nottingham and Warwick in the United Kingdom and the Central Bureau of Statistics in Indonesia.



Dr Zafar Mahmood

Professor Dr. Zafar Mahmood is Head of Research and Acting Head of Department of Development Studies at S3H, National University of Sciences and Technology (NUST).

Dr. Mahmood has served as a professional for more than 35 years. He has served both national and international organizations of Pakistan such as Punjab Economic Research Institute, Lahore, Pakistan Institute of Development Economics (PIDE) and Kuwait Institute for Scientific Research (KISR). He has been consultant to the World Bank, Asian Development Bank, UNDP, UN ESCAP, British Council, International Development Center of Japan, DRYMcGraw-Hill, SAARC Human Resource Development Center.

He is the Managing Editor of NUST Journal of Social Sciences and Humanities.. Dr. Mahmood has nine books to his credit and has widely published in peer reviewed international and national journals. Dr. Mahmood holds a PhD in Economics from Columbia University, New York, and M.A Economics from University of Waterloo, Canada.

Inayat U Mangla

Inayat U Mangla is Professor Emeritus of Finance at Western Michigan University, USA. He started his career from Quaid-i-Azam University, Islamabad. He then moved to York University and then to WMU's Haworth College of Business.



At WMU, Dr. Mangla has been the recipient of three Fulbright teaching and research awards. Mangla has been very active to develop collaboration between Pakistani educational institutions and his university i.e. WMU and succeeded to develop several linkages between Pakistan Universities and WMU.

Dr. Mangla has published more than 50 articles in various top economics journals. His areas of interest are financial markets, capital markets, quantitative finance, and financial management. His has teaching experience in Japan, Malaysia and Singapore, where he taught courses for WMU's MBA program. In recent years, Mangla research has been focused on global financial crisis and, Islamic banking and finance. Dr. Mangla Holds a PhD in finance from WMU.



Musleh-ud-Din

Musleh-ud-Din is currently Professor of Economics at PIDE. He held all steps of career ladder at PIDE including Vice Chancellor, Joint Director, Chief of Research, Senior Research Economist, Research Economist and Staff Economist. He has worked at several assignments for various international organizations. He has large number of peer reviewed publications, research reports and other scholarly publications to his credit.

He holds PhD in Economics form John Hopkins University, USA.

Dr Pervez Tahir

Dr. Pervez Tahir is currently Chairman Board of Directors of Bank of Punjab. He is a senior economist, distinguished professional writer and speaker. He has had a long career in the Government of Pakistan, starting in 1974 as the Deputy Economic Adviser of Ministry of Finance, he served as Chief of Research and Debt Management in the Economic Affairs Division in the nineties. He rose to be the Chief Economist/Member of the Planning Commission and acted as Secretary, Planning and Development Division. After retirement in 2007, he served Mahbub ul Haq Professor of Economics at the GC University, Lahore, the institution



where he had started his career as a Lecturer in 1971.

Author of two and editor of three books, he has published numerous journal and newspaper articles at home and abroad on a variety of subjects. He is widely travelled and is a well-known speaker at the international and national conference circuits.

He holds PhD in Economics and M.Phil. in Development Studies from the University of Cambridge. He has Master degrees from University of Colorado, USA, and Government College, Lahore and MSc in Defence and Strategic Studies from the National Defence College.

Dr. Fazal Husain

Dr Fazal Hussain is Dean Secretary Pakistan Society of Development Economists and Dean Faculty of Social Sciences at Pakistan Institute of Development Economics. He started my career in January 1984 at the Pakistan Institute of Development Economics (PIDE).



He served at State Bank of Pakistan, SZABIST, CBM, and BIZTEK and Air University. He launched MBA program at PIDE. Dr. Fazal has more than 40 research papers, book chapter and other scholarly publications to his credit.

He has He holds PhD and Master in Economics from Catholic University of America, USA and Master in Economics from Quaid-e-Azam University, Islamabad



Mr Nasir Mehmood

Syed Mahmood Nasir is currently serving as the Inspector General of Forests in Ministry of Environment since 2010 and represents the state of Pakistan as the focal person or controlling officer to international obligations for REDD+, Convention on Biological Diversity CBD , UN-Convention to Combat Desertification UNCCD, Convention on Migratory Species (CMS), Ramsar Convention on Wetlands , CITES Convention on International Trade in Wild Species of Fauna and Flora , GSLEP Global Snow Leopard Ecosystem Programme, SAWEN South Asia Wildlife Enforcement Network, and MFF Mangroves for the Future Programme .

In addition to administrative duties, Mr Nasir is a prolific researcher and continues to publish robust

studies in academic domain combining his practical orientation with contemporary theory and practice. Much of his research has been featured in prestigious international conferences.

Earlier he has served in the Forest Department as Conservator of Forests, the federal Ministry of Environment as DIG Forests, Director Biodiversity and Deputy Secretary International Cooperation and now as . In addition to official engagements, he is extensively engaged in the development sector at international, national and provincial levels. Syed Mahmood Nasir holds a Masters degree in Forestry, a post-graduate diploma in Geographical Information Systems GIS from the ITC the Netherlands and currently Ph.D. candidate in Anthropology at the Quaid-i-Azam University Islamabad (Dissertation on Bakarwal nomads).

Maj. Gen. Dr. Azhar Mahmood Kayani

Dr. Azhar Mahmood Kayani is currently the Executive Director, Rawalpindi Institute of Cardiology. Besides having over 20 publications and 36 years of clinical experience, Maj. Gen. Dr. Azhar Mahmood Kayani has the privilege of being the personal physician to the Presidents and the Prime Ministers of Islamic Republic of Pakistan.



Dr. Azhar started his career from Army Medical Corps. He served as consultant Interventional Cardiologist at Armed Forces Institute of Cardiology and subsequently served at Combined Military Hospital, Multan, where he established a cardiac center.

He has the prestige of being the President of Pakistan Cardiac Society and Senior Consultant Interventional Cardiologist at AFIC. He is also the Director General of Medicine, and Advisor in Cardiology at Pakistan Armed Forces. He is a member of more than a dozen professional organizations and a member of editorial board of Pakistan Journal of Cardiology. He has also been serving as temporary advisor to the World Health Organization on cardiovascular diseases for 5 years. Dr. Azhar Mahmood Kayani graduated from King Edwards Medical College and qualified MRCP from London



Hamid Ateeq Sarwar

Dr Hamid Ateeq Sarwar is currently the Member Inland Revenue Policy The Federal Board of Revenue (FBR). Dr. Hamid Ateeq Sarwar is an officer hailing from the Inland Revenue Service of Pakistan (20th CTP). During his distinguished career, he has acquired extensive professional experience by

...serving in every functional dispensation of the erstwhile Income Tax Department as well as the Inland Revenue Service.

He has held various senior leadership positions including Chief Commissioner RTO Rawalpindi, Commissioner, LTU Lahore and have also worked as Trainer at Civil Services Academy, Pakistan Administrative Services Academy and Directorate General of IRS Training. He is a medical graduate of King Edward Medical College but has gone on to acquire knowledge about economics, forensic audits and business management in addition to successfully completing various trainings including the 11th Senior Management Course and 107th National Management Course. He has been teaching tax laws, public finance, development economics, quantitative analysis of decision making and forensic audit at various public sector institutions and universities since 1998. He has done Masters in Economics from LUMS, Masters in Transnational Crime Prevention from University of Wollongong NSW, Australia and MBA (Executive) from LUMS. He is recipient of NMF Gold Medal.



Dr Roberto Magno Iglesias

Roberto Magno Iglesias is currently Technical Officer, prevention of Non-Communicable Disease, World Health Organization, Geneva. He was also a director at CINDES (Centro de Estudos de Integração e Desenvolvimento). He taught at Pontificia Universidade Católica do Rio de Janeiro (PUC-RJ) and worked as the Deputy-Secretary of Economic Policy for the Ministry of Finance. He also acted as the coordinator at the National Confederation of Industry of Brazil (CNI), economist at FUNCEX (Fundação de Estudos de Comércio Exterior), consultant at the Economic Commission for Latin America (ECLA), World Health Organization (WHO) and World Bank. Roberto Iglesias also has innumerable papers on macroeconomics, international trade, trade policy, Brazilian investment abroad, tobacco control and taxes on cigarettes. He holds a PhD in Economics, awarded by the University of Oxford.

Dr Muhammad Idrees,

Dr. Idrees is Associate Professor and Director School of Economics at Quaid-e-Azam University, Islamabad. He started his professional academic career with Islamabad Model College for Boys. He then joined University of Arid Agriculture, Rawalpindi and later he joined Quaid-i-Azam University. His research interests include areas of poverty, income inequality, social sector and consumer behavior. He has more than 20 research publications to his credit, mostly in the area of poverty and income distribution.



He is a member of various committees including the Poverty Estimation Committee of Government of Pakistan and convener of HEC - National Curriculum Committee of Economics for 2018, therefore contributed in updating the curriculum of BS, MS and Ph.D. Economics. He is also member of the Board of Studies of various universities. He earned Ph.D. degree from Quaid-e-Azam University

Dr Mahmood Khalid

Mahmood Khalid is currently serving as Senior Research Economist at Pakistan Institute of Development Economics (PIDE). He has also served in various other departments and capacities in PIDE. He holds extensive research, teaching and training experience. He has also worked in a number of organizations besides PIDE including SBP, Planning Commission, AKRSP, PTA.



He wants to support and promote development activities and like travelling as a hobby. He holds PhD in Economics from Pakistan Institute of Development Economics (PIDE), Islamabad with dissertation in fiscal policy.



Dr Asma Hyder

Dr Asma Hyder is Member Social Sector & Devolution at Ministry of Planning, Development and Reform. Before joining Ministry of PD & R, she was serving as professor of labor economics at Institute of Business Administration, Karachi. She is a research affiliate at Institute for Research on Labor and Employment, University of California Los Angeles, visiting research fellow at London School of Economics and Political Science, UK and Carleton University, Canada.

Her research interests focus on wage differentials, schooling, gender, health and wellbeing. Her major contribution in literature is empirical investigation of households' behavior toward labor market decisions and child welfare during climatic and negative economic shocks in developing and poorest societies of the world.

She is recipient of Fulbright J. William Award for International Understanding and did her Post Doctorate from University of Pennsylvania, USA.

Mr. Muhammad Sabir

Mr. Sabir is Principal Economist and Unit Head in Public Finance Unit at SPDC. He is a visiting faculty member at Department of Commerce, University of Karachi. He has strong analytical background and training in quantitative and qualitative research methods, which provide firm basis to conduct research in economic and social policy. In addition, he has ability to carry in-depth analysis by using econometric and statistical techniques. He has over five year experience in academic and economic research.



He has worked on a number of research and consulting assignments in the field of public finance, consumer behavior, country risk assessment, macroeconomics and multinational finance for different multinational and national organizations. He has developed econometric models for the estimation of demand of various fuels and fertilizer. He has eighteen publications to his credit. He has completed Master of Applied Sciences (MAS) in economics from Applied Economics Research Center (AERC).



Dr Munir Ahmed

Dr Munir Ahmed retired as Joint Director from PIDE. Earlier, he held the positions of Dean Faculty of Development Studies, Chief of Research and Head of Agricultural and Rural Development Division, Head of Training and Project Evaluation at PIDE. He also served Pakistan Agricultural Research Council (PARC) for three years as Member/Head, Social Sciences. He has been Chairman “National Committee on Revision of Curricula of Agricultural Economics”, a committee of Higher Education Commission. He served as Assistant Professor of Agricultural Economics at University of Agriculture Faisalabad. He has served at the advisory boards of several universities and has more than 50 research publication, book chapters and research reports to his credit. He has worked on several projects funded by FAO, IFPRI, SANDEE, World Bank and International Development Research Centre (IDRC), Canada.

Dr. Munir holds PhD and MS from University of Connecticut, M.Sc. and B.Sc. from University of Agriculture Faisalabad.

Pakistan Institute of Development Economics

The Pakistan Institute of Development Economics, initially known as Institute of Development Economics was established in 1957 in Karachi as an autonomous organization to conduct research on national and international problems of economic development. Since the day of its inception, PIDE has enjoyed the leadership of world renowned economists including Emile Despres, Henry Bruto, Richard Porter and Nur-ul-Islam. In 1970, the Institute was relocated to Dhaka, and with the separation of East and West Pakistan, PIDE was reestablished in Islamabad and was housed at the Quaid-i-Azam University Campus. In Islamabad, PIDE was headed by S. M. Naseem, M. L. Qureshi, Syed Nawab Haider Naqvi, Sarfraz Qureshi, A. R. Kemal, Nadeem ul Haque, Rashid Amjad and Musleh-ud-Din.

In 2006, PIDE was granted the status of a degree-awarding institution. At present PIDE has 8 academic departments offering 15 Degree level programs which include two PhD level programs, nine M.Phil. Programmes and 4 undergraduate programs. PIDE is committed to excellence in teaching and research and has been ranked by the HEC as the top university in the category of small universities. According to RePec, the largest archive of research papers in economics, PIDE is the top institution of economics in Pakistan and it has 10th position in the ranking of economics institutions in the entire Asia.

PIDE has been carrying out policy relevant research and has directly or indirectly influenced policy formulation in Pakistan. PIDE makes efforts to ensure that the research carried out at PIDE accords with the major issues faced by the nation. Despite changes in administrative ministries, from Education to Planning, and limitations imposed by the availability of funds, PIDE has been able to carry out theoretical and empirical research on the various development issues. It has been preparing and implementing research programs in accordance with the national priorities and carrying out demand driven research for various ministries and departments and the UN and other agencies. Besides, participation of PIDE staff in various conferences and seminars within the country and abroad, the conference of Pakistan Society of Development Economists provides an excellent opportunity of interaction between students and staff of PIDE with the other economists and policy-makers. PIDE has also instituted a special lecture series on policy issues. PIDE has also been instrumental in impacting the policy formulation by active engagement of its staff members in various government groups, task forces and the panels. The PIDE staff members have also been deputed to the different ministries of government where they have been involved in direct policy-making.

PIDE is committed to bringing its students to the frontiers of knowledge in their chosen fields and to enable them to extend the frontiers. PIDE cares not only about the need of today, but of tomorrow as well. Latest educational courses and programs have been introduced by PIDE and a number of these are not offered anywhere else in Pakistan. PIDE has introduced PhD Econometrics program which is the only program of its kind in the entire South Asia. PIDE offers courses in Agent Based Modeling and complexity economics which is considered as future of economic modeling and is not offered anywhere else in Pakistan.

PIDE offers admissions to its courses once in an academic year, namely for the fall semester of every educational year. Admissions opening announcements are published in leading print, electronic and social media.

The Distinguishing Features of PIDE

1. PIDE is currently ranked as top Economics University in Pakistan and 10th best Economics University in Asia by the RePec, the largest archive of research papers on economics. It was ranked as top small university in Pakistan by the Higher Education Commission of Pakistan in 2015.
2. With its 8 academic departments, 7 research divisions, and 5 research centers, PIDE provides quality education to its students.
3. PIDE offers some unique academic programs which have no match in the country including a PhD program in Econometrics which is not offered elsewhere not only in Pakistan but also in South Asia.
4. PIDE is a policy think tank of the Ministry of Planning Development and Reforms, therefore, the research at PIDE influences the policy making in the country.
5. Being associated with the Ministry Planning, Development and Reforms, most of the research conducted at PIDE is applied research that accords with the need of the nation.
6. PIDE has an excellent faculty, trained in top institutions of the world and in Pakistan.
7. PIDE has a very good student-teacher ratio. The ratio of regular teaching faculty to the students is 1:15 which is much better than the recommendations of HEC. Beside the teaching faculty, PIDE hosts large number of full time researchers who are available to students to offer guidance them for their theses and academic research.
8. PIDE has Memoranda of Understanding for academic cooperation with various universities and research institutions in Pakistan and abroad.
9. The students of PIDE are welcomed by the reputed international institutions and the top rated institutions of Pakistan. Currently PIDE alumni are serving in the World Bank, IMF, WWF, State Bank of Pakistan and most leading universities of Pakistan.
10. PIDE is committed to providing all necessary facilities to its students. PIDE has a large fleet of vehicles providing pick and drop to its students from all corners of Rawalpindi and Islamabad. PIDE has managed number of hostels for male and female students. It has a well-furnished library with access to several hundred thousands of online journals and electronic books.
11. PIDE has very generous scholarship policy. During academic year 2017-18, PIDE has provided scholarship worth 9.3 million to about 200 students, which forms about 30% of total number of students. Besides the scholarships, many students are engaged in teaching assistantships and internships.
12. PIDE has the capacity to utilize Geographical Information System (GIS) and processing of spatial data in support of PIDE research programs alongside an immaculate capacity to design, develop and maintain large statistical databases and carrying out extensive analysis of the data for research and policy implications.
13. PIDE Library has been designated as the Depository Library for the Asian Development Bank (ADB); International Development Research Center (IDRC); International Labor Office (ILO) and the World Bank, therefore the students can access publications of these international agencies

Academic Departments at PIDE

Department of Economics

The degree programs in Economics have been a long-felt need in Pakistan. In recent years, it has been observed that the number of qualified economists has fallen below the country's requirements. Brain drain of economists has only aggravated this professional vacuum in various government and non-government departments, teaching institutes, and research organizations. The degree programs at the PIDE have been developed to meet some of these challenges by providing necessary facilities for training economists in Pakistan.

The department consists of senior faculty members studied and researched at some of the leading universities of the world. Several members of the department also served at various policy making positions in government agencies, United Nations, World Bank and other international organizations. At PIDE, the programs in Economics prepare students to make significant contributions in the field of Economics. Many graduates of the Department have successfully secured positions with international organizations like The World Bank, International Monetary Fund, various ministries and departments of the federal and provincial governments and with non-profit making organizations.

To provide for the educational needs for future leaders PIDE has launched Master's and M.Phil. programs besides PhD in Economics. The PhD program in Economics is well-established and has been offered since 2000. As of today, 46 students have been awarded with PhD degrees in Economics. With a high placement rating, our graduates regularly find employment in the best teaching and policy making institutions.

Dr. Atiya Yasmin Javed
Professor
Head of Department

Dr. Ejaz Ghani
Professor

Dr. Musleh ud Din
Professor

Dr. Abdul Jalil
Professor

Dr. Karim Khan
Associate Professor

Dr. Nasir Iqbal
Associate Professor

Dr. Nazia Bibi
Assistant Professor

Ms. Adeeba Ishaq
Lecturer

Department of Econometrics and Statistics

The discipline of Econometrics is the key to understanding and analyzing the theories of economics and their constituent components. Econometrics is the set of mathematical and statistical tools used to analyze the economic data and theories. Econometric techniques are required to test the validity of various economic theories, to compare the rival economic models for an observed phenomenon, to analyze the results of different economic policies and to predict the future outcomes. Econometric techniques are applied extensively in many fields of natural and social sciences e.g. education, psychology, environment, transportation, engineering and medicine. Therefore, the demand for econometric skills is very high.

The faculty at the Department of Econometrics and Statistics brings diverse interests and experiences with them. PIDE is currently led by Dr. Asad Zaman who has special interest in Econometrics and is also offering his services for Department of Econometrics and Statistics. Dr. Zaman has an exceptional academic career in Econometrics with research publications in top rank econometric journals and conferences. The faculty and students of Department of Econometrics and Statistics regularly produce research output in the areas of Time Series, Applied Econometrics, Bayesian Econometrics, and Theoretical Econometrics in the form of peer reviewed publications, conference papers and discussion papers.

The graduates of this department have secured positions in reputed organizations of Pakistan including SDPI, Riphah International University, Bahria University, Lahore College for Women University, IBA Sukkur and COMSATS.

The Department of Econometrics and Statistics currently offers two degree programs namely PhD Econometrics and M.Phil. Econometrics. The Ph.D. program aims to focus on teaching and research in econometric theories, methodological and conceptual issues and the relevant statistical methods applied to socially relevant economic issues and policies. The M.Phil. Program is directed towards ambitious and excellent students who aim to develop themselves as independent researchers and experts in their fields. The two degree programs offer a well-balanced training in quantitative methods, economic theory and applied economics. Emphasis is placed on the application of econometric and statistics, through exercise and seminars, policy issue and empirical questions. Students who complete these programs will be prepared for careers in academic, national and international governmental organizations, or private business.

Dr Amina Urooj
Assistant Professor
Head of Department

Dr Saud Ahmed Khan
Assistant Professor

Dr. Atiq-ur-Rehman
Assistant Professor

Dr. Hafsa Hina
Assistant Professor

Ms. Uzma Zia
Senior Research Economist
Program coordinator

Department of Business Studies

Business activity has a large impact on the life of people in terms of job, income and opportunities. It determines the standard of living and quality of life. All students will encounter the world of business whether they work in rural or urban areas. Therefore, they need to be well equipped to face the world with competence and confidence. PIDE, with its outstanding track record, characteristic of a great academic research and policy-research institution ventured into the field of business education in 2007. PIDE has made the transition to changing the program to support knowledge-based business world and to help face the challenge of the corporate world imperatives. Business Studies programs are designed to prepare students to explore knowledge frontiers for informed decision making as it is developed to run strictly in accordance with international academic standards. The business studies programs build a strong foundation for those who wish to move on to further study and training in specialized areas such as human resource management, marketing, finance and entrepreneurship.

PIDE is committed to be at the forefront of the current and evolving practice of business. This has led to education and research programs that reflect the realities of the marketplace. There are numerous prominent features of Department of Business Studies which distinguish it from other business programs. The Business program is organized and delivered by a qualified faculty which is drawn from the professional world. PIDE has the largest number of PhDs working under one roof. In addition to being leaders in their academic fields, many of members of our faculty also have hands-on business experience as consultants, entrepreneurs, investors, advisors, board members, and executives.

The Department of Business Studies works towards nation-building by producing responsible individuals characterized by analytical and strategic skills along with research-oriented attitudes. We aim to develop and maintain standard in quality education focusing on professional integrity, ethical principles, conceptual growth, decision making skills, leadership qualities and entrepreneurial thinking.

The course structure of the PIDE Business studies programs is based on international standards. The cornerstone of the program is the general management approach, i.e. the case method which provides students with the transcendent skills, insights, and self-confidence required to meet the interdisciplinary demands of real business situations.

Department of Business Studies offers three degree programs namely M.Phil. Management Sciences, M.Phil. Business Economics and MBA

Dr. Nadeem Khan
Assistant Professor
Head of Department

Dr. Hasan Rasool
Assistant Professor

Mr. Khurram Elahi
Lecturer

Ms. Fiza Butt
Lecturer

Department of Development Studies

The department of Development Studies aspires to advance knowledge that resonates with the realities of transition countries through innovation and excellence in its academic program. A strong focus on theory and methods will equip graduates to apply new insights to policy analysis in a practical context.

M.Phil. in Development Studies responds to the needs of qualified development professionals with multidisciplinary knowledge and comprehensive understanding of development challenges. Historians, Political Scientists, Sociologists, and Anthropologists will be engaged in building the development discourse alongside Economists who have traditionally dominated development ideologies, policies, and practices. The program aims to improve analytical skills of students by introducing creative thinking through the repertoire of multidisciplinary education and training at PIDE. Bridging the gap between ideas and policies will offer alternative perspectives on the development debate by cross-fertilization of knowledge.

Currently, Department of Development Studies offers degree programs namely; M.Phil. and M.Sc.

Dr. Zulfiqar Ali
Assistant Professor
Head of Department

Dr. Muhammad Jehangir Khan
Assistant Professor

Mr. Fida Muhammad Khan
Lecturer

Mr. Fahd Zulfiqar
Lecturer

Mr. Aqeel Anwar Chaudhry
Lecturer,

Department of Economics and Finance

The department of Economics and Finance at PIDE is dedicated to developing a new generation of financial leaders and entrepreneurs, and in conducting research not only into the nature of business, but the connections between business and the wider world. The world has just gone through disastrous financial crisis and Pakistan too, is experiencing the aftershocks of this crisis. The contribution comes in time of despair and the evil of economic crisis will triumph only if the respective experts remain silent. After Karachi, Islamabad is the hub of networked head-quarters for listed firms. This has necessitated the need for discipline to address the economics and financial issues of economic actors under one umbrella. It will equip the graduates to tackle the financial problems leading to business failure from economic perspective

Dr Ahsan ul Haq Satti

Assistant Professor
Head of Department

Dr Ahmed Faraz

Assistant Professor

Dr Naseem Faraz

Research Economist

Dr Farhat Mahmood

Assistant Professor

Financial economics is an emerging field which has assumed increasing importance at an accelerating rate both as an academic discipline and as an activity in which individuals and business firms get involved. It is a dynamic field with a wide range of issues, faced by the developed as well as developing economies, such as rapid globalization and increasing regional financial cooperation. Economists with financial education can help ensure that the financial sector make an effective contribution to real economic growth and development of economy. In view of the importance of this academic discipline, the PIDE has introduced M.Phil in Economics and Finance program. The aim of this two-year program is to enable the students to critically evaluate the growing sophistications of financial markets and the risks and responsibilities associated with economic and financial decisions

Department of Environmental Economics

Environmental Economics addresses the complex and wide ranging interactions between efficient use and conservation of environmental resources that are critical for long term sustainable economic development and for the well-being of mankind. Over the last few decades, rapid degradation of these resources has raised several critical concerns, viz., the water scarcity/insecurity and pollution, air pollution, problems in waste management, deforestation, inefficient use of energy, and loss of biodiversity, climate change (mitigation and adaptation issues) and various others. The global consequences of climate change include decline in agricultural productivity, increase in water shortages, rising sea level, melting of glaciers, deforestation, loss of biodiversity, adverse impact on ecosystem and on health. Thus, environmental degradation and climate change are becoming critical in the debate on sustainability of economic development and for maintaining the quality of life on the globe. The theory and applied tools of Environmental Economics are uniquely placed to inform and guide the decision-makers in addressing these environmental challenges.

Keeping in view the importance of these issues and to bring students and researchers closer to the frontier of knowledge, the Department of Environmental Economics has been established at the Pakistan Institute of Development Economics, Islamabad, Pakistan.

Dr. Abedullah
Chief of Research
Head of Department

Dr. Rehana Siddiqui
Professor

Dr. Anwar Hussain
Associate Professor

PIDE School of Public Policy

The PIDE School of Public Policy aims to bridge the research policy gap in Pakistan through high quality academic programs, policy oriented research and executive training. The School offers M.Phil in Public Policy; hosts a specialized research center conducting research on public policy issues and has plan to offer executive training for policy-makers, practitioners and professionals involved in the development and implementation of policies.

The School is home to faculty members/researchers trained in the leading universities of the world. Moreover, visiting faculty from various renowned Institutions within Pakistan and abroad delivers lectures and conduct courses during the academic year.

The M.Phil Public Policy is a rigorous two years degree program. Individuals with 16 years of formal education in any discipline (A minimum CGPA 2.5 on a scale of 4.0 (Semester system) or 2nd Division (annual system) in Masters or 4 years Bachelor Degree) are eligible to join the program. The core curriculum provides with a firm foundation, which allow students to approach public policy issues from a multi-dimensional perspective. Course work, including local case studies, equips the students with an interdisciplinary conceptual toolkit and the thesis allows application and testing of the knowledge gained. Students are equipped with cutting-edge analytical competence including a solid base in economic and social reasoning.

PSPP graduates are suitable for civil service, public service of various kinds, development sector (International Financial Institutions, Donors, NGOs), as well as they can also join the rank of project managers or administration in different sectors.

Dr. Talat Anwar,
Professor
Head of Department

Dr. Iftikhar Ahmad
Assistant Professor

Dr. Junaid Alam
Assistant Professor

Department of Health Economics

Department of Health Economics was established in 2012, and is associated with the Centre for Population, Health and Social Policy (CPHSP) at PIDE. Health Economics is a rapidly developing field with high importance worldwide.

The M.Phil in Health Economics program is a two years (Four Semesters) academic program, and introduces students to the ways in which economic principles and concepts can be applied to the analysis of decisions by consumers, firms and governments regarding health and healthcare. The students are trained to measure economic impact of diseases and interventions; evaluating the cause-effect relationships between care-seeking behavior and the specific attributes of individuals and health systems; economic efficiency of resource utilizations by governments, individuals and health institutions; guide the choices in public health interventions; assess macroeconomic nexus of disease, development, poverty and globalization; assess health systems' performance for policy advice

The program will also teach you how to apply techniques used in professional health evaluation to determine the appropriate mix of health interventions, as well as the appropriate analytical techniques and research methodologies that can be used in the exploration of health care decisions.

**Dr. Fazl e Hakeem
Khattak**
Assistant Professor
Head of Department

Dr. Rizwan ul Haq
Assistant Professor

Dr. Saima Bashir
Senior Research
Demographer

Dr. M Afzal
Chief, Planning and
coordination Division

**Dr. Najam ul Hassan
Kazmi**

Research Activities at PIDE

Focus of economic research has changed over the years. New researchable ideas and themes of economic analysis such as governance, institutions, globalization, environmental economics, health economics and regional connectivity have emerged. Technology has helped evolve newer methods of dissemination of research. PIDE has incorporated these new trends in its own research agenda and is endeavoring to direct the national research too. In addition to providing a firm academic basis to economic policy-making, its research also provides a window through which the outside world can view the nature and direction of economic research in Pakistan. Economists at PIDE also carry out research under intra-institutional or collaborative arrangements with several national and international organizations. Its research is globally acknowledged and RePEC (Research Paper in Economics) has ranked it among the top percent economic institutes in the world and 10th in Asia. The institute publishes its research in the form of books, working papers, monographs, journal articles, and research reports for academia and learned audience. PIDE has also developed research products like PIDE Economy Watch, PIDE In-focus, PIDE's Budget View Point, PIDE's Macroeconomic Brief, PIDE Policy View Point etc. To enhance knowledge and skills, an additional task of training in-service government officials was also assigned to PIDE. This step was based on the need to improve the understanding on the emerging economic issues and to improve their planning skills. To systematically follow the PIDE's research agenda, various sections are established in PIDE which are described in the following pages.

EDUCAITON AND SKILL DEVELOPMENT SECTION

The improvement in Human Development is imperative for economic development and. significance of Human Development cannot be denied as it is directly linked with the economic growth of a country. Education plays a decisive role and has indispensable impact on all aspects of human life. It is colossal investment for human and economic development. It is palpable that education is amongst the single most imperative factor in economic growth of any country. In the changing world scenario with regard to industry and the job market, there is an overpowering need for skilled workers. Investment in young population, particularly in their skill development, and provision of productive employment are the prerequisites to grab the opportunity provided by the demographic transition. Education and skill development section at PIDE will focus on topics which are vital in education and skill development. This section will play a pivotal role in the overall research agenda of PIDE in this domain. The research conducted by the division covers important themes like financial constraints, parental poverty, inclusive education, teacher training, unequal lines, regional disparity, gender discrimination, technical education etc. The research division will involve in collaborative research with other research divisions and government agencies. The division aims to provide guidance to policy makers regarding education and skill development

LABOR AND MIGRATION

Migrant workers whether moving within or outside the origin country have a significant role in economic development. The money they remit helps sustains their stay-behind families and contributes to the economy through investment while the experience and skills they bring home adds to the country's human capital. However, the migration process infers multifaceted challenges in terms of, migrant workers' protection, migration and development linkages, governance and international cooperation. Therefore, the Labor and Migration research group broadly focused its research on internal migration i.e. rural and urban migration, inter and intra provincial migration, international migration, brain drain, and migrant remittances respectively.

Dr Usman Ahmed
Senior Research Economist
Section Coordinator

Mr. Fahd Zulfiqar
Lecturer

Dr. Hafsa Hina
Assistant Professor

Mr. Henna Ahsan
Senior Research Economist

Mr. Muhammad Azhar
Research Economist

Dr. Junaid Ahmed
Senior Research Economist
Section Coordinator

Mr. Hafiz Hanzla Jalil
Research Economist

Mr. Omer Siddique
Senior Research Economist

GOVERNANCE AND INSTITUTIONS

Dr. Karim Khan

Associate Professor
Section Coordinator

Mr. Aqeel Anwar

Lecturer

**Mr. Fida Muhammad
Khan**

Lecturer

Dr. Iftikhar Ahmed

Assistant Professor

Ms. Lubna Hassan

Senior Research Economist

Economics agents and economic organizations like firms, corporate bodies and trade unions etc. operate in a broader framework which is provided by the prevailing set of institutions. Institutional structure incorporates both the formal rules and regulations, and informal norms and cultural context. Such structure creates incentives for alternative activities. Thus, societies which encourage the protection of property rights, exercise the rule of law, and maintain an efficient contract enforcement mechanism prosper while societies which lag behind in this regard suffer in terms of economic outcomes. Governance and Institutions section in PIDE conduct research on how the alternative regulations or institutional arrangements result in economic development. In addition, we focus on the evolution of institutions by looking at the dynamics and alternative perspectives of institutional change.

MACROECONOMICS

Dr. Nasim Faraz
Senior Research Economist
Section Coordinator

Dr. Attiya Yasmin Javid
Professor

Mr. Gulam Samad
Research Economist

Dr. Saud Ahmad Khan
Assistant Professor

Ms. Uzma Zia
Senior Research Economist

Macroeconomics section conducts research in the field of applied macroeconomics and macroeconomic policy, with a particular focus on Pakistan. A diverse range of research interests, including access to finance, financial markets, monetary policy, debt sustainability, corporate governance, foreign direct investment, and economic growth, is part of the research plan of this section. Member economists produce working papers, and are among the contributors at professional meetings and in credible journals. Also, this section is working on the project of Macroeconomic Model for Pakistan which will be used to analyze policies and make projections of the economic activities. Researchers are actively working on the policy research briefs to note the policy guidelines based on academic research for the policymakers. This section organizes the workshops and seminars to improve the technical capabilities of the researchers.

TRADE AND INDUSTRY

In today's globalized world, trade and industry play a vital role in the socio-economic development of an economy through employment creation on the one hand and boosting productive output of the economy on the other. To reap the benefits of globalization, Pakistan must integrate itself into the global economy through enhanced regional cooperation, improve the trade balance by increasing exports, both in volume and in value, and aligning imports to meet the crucial needs of the domestic economy. The trade and industry research section at PIDE addresses emerging issues in the field of industrial and international economics.

Dr. Usman Qadir

Senior Research Economist
Section Coordinator

Adnan Akram

Research Economist

Dr. Ejaz Ghani

Professor

Dr. Musleh ud Din

Professor

Ms. Madeeha Qureishi

Research Economist

Dr. Nazia Bibi

Assistant Professor

AGRICULTURE AND FOOD SECURITY

Agriculture is playing a key role in eradicating hunger in rural economies of Pakistan but it is also considered to be one of the greatest threats to environment. Future challenge is to meet the increasing demand of food in sustainable manners. Dissemination of frontier level knowledge to farmers and introduction of new production technologies that can survive under serious water stress situation could help to shift production frontier. The prerequisites are strengthening the research and extension system of the country to promote innovative, efficient and sustainable agricultural production to enhance food security, food quality, incomes of rural masses and nutrition level among children and women. The public-private partnership in agricultural research and development could also help in dissemination of improved cultivars, hybrids, transgenics, and other products. This could help the country to move from green revolution to gene revolution. The Agriculture and Food Security Division at PIDE aims at catering for the needs of the country and the region in these dimensions and to build collaborations for inter-disciplinary research activities on issues related to food security and associated disciplines.

Dr. Abedullah Anjum

Assistant Professor
Section Coordinator

Mr. Abdus Sattar

Staff Economist

Dr. Anwar Hussain

Assistant Professor

Mr. Sagir Mushtaq

Staff Economist

Dr. Usman Mustafa

Professor

FISCAL AND MONETARY POLICY

Dr. Mahmmod Khalid
Senior Research Economist
Section Coordinator

Dr. Abdul Jalil
Professor

Dr. Abdul Qayyum
Joint Director

Dr. Atiq ur Rehman
Assistant Professor

Mr. Pervaiz Ahmed
Research Economist

Fiscal and Monetary policy section at PIDE aims to create research based foundations for suitable policy papers on a variety of crucial topics linked with Fiscal and Monetary Policy. Taking advantage of historically established research capital at PIDE this section will play a pivotal role in the overall research agenda of PIDE in this domain. Our research will focus on topics which are vital for effective fiscal and monetary administration by government. The scope of research will not be limited to domestic issues but emerging international scenarios will also be taken into account while developing research queries in the fields related to fiscal and monetary policy.

POVERTY AND INEQUALITY

Dr. Nasir Iqbal
Associate Professor
Section Coordinator

Ms. Adeeba Ishaq
Lecturer

Dr. Hasan Rasool
Assistant Professor

Dr. Jehangir Khan
Senior Research Economist

Dr. Talat Anwar
Professor

One of the big challenges facing Pakistan today is poverty reduction. Over 55 million people lives below the poverty line. Policy makers and professionals are looking for innovative solutions to put an end to poverty in all forms and dimensions by 2030 to achieve the first goal – No Poverty – of the Sustainable Development Goals (SDGs). PIDE has a long history of research on many aspects of poverty and inequality. The Poverty and Inequality section conducts research on all aspects of poverty and inequality: their meaning and measurement, the causes and consequences both at national and sub-national levels. Currently, the section is working on dynamics of poverty and inequality, developing and testing graduation programs for the ultra-poor, environmental poverty and poverty mapping.

BUSINESS INNOVATION AND MANAGEMENT

Business Innovation and Management research section tackles the multifarious problems facing economies, businesses, and wider society. We are committed to academic research of international excellence, providing scientific evidence and generate new insights into the processes of enterprising and managing innovation and change. Our research follows high academic standards and is published in international peer-reviewed academic conferences and journals.

At the heart of our activities is a focus on improving the performance of business of all types, government, and social partners. We undertake research with passion, believing we can make a difference. Our underlying philosophy is 'CLOSED-LOOP' between academe and the industry and it is underpinned by our commitment to the co-production of knowledge with a wide range of users.

BEHAVIORAL ECONOMICS

The use of laboratory and field experiments in order to help assessing economic problems in connection to human behavior has been widely studied around the globe. Thus, economic experiments are a useful tool for the validation of theory, the development of new theory, the generation of advice to decision makers, and the design of new economic institutions. Economics aims to explain the 'real world' behaviour of agents. This group is presently focusing on to study the effect of parental income on the child education in Pakistan using the classroom experiments. Also the herding effect in auction markets using classroom experiments is also on the future agenda of the group.

Dr. Nadeem Khan
Assistant Professor,
Section Coordinator

Fizza Butt
Lecturer

Khurram Elahi
Lecturer

Dr Shahid Razzaque
Assistant Professor ,
Section Coordinator

Asad Zaman
Professor

Karim Khan
Associate Professor

DEVELOPMENT AS DISCOURSE

Omer Siddique
Senior Research Economist
Section Coordinator

Fahd Zulfiqar
Lecturer

Muhammad Aqeel Anwar
Lecturer

Fida Muhammad Khan
Lecturer

The focus of this section is on alternatives to the development paradigm that is advocated today by the developed world and the international development agencies. The theory and policy prescription based on this discourse present Western capitalism as the ideal form, which the Third-World must follow to make progress. The post-development literature points out its general failure and criticizes this view claiming that the current development praxis imposes alien ideals on the underdeveloped countries disregarding their complex social and cultural realities. The research by this section, thus, aims to explore and highlight the narrowness of the current concept of development itself and the development discourse built thereon.

POPULATION AND HEALTH

Rizwan ul Haq
Assistant Professor

Durr-e-Nayab
Joint Director

Fazle Hakim Khattak
Assistant Professor

Saima Bashir
Senior Research Economist

The Population and Health section aims to provide evidence-based research for an informed policy making linked to: fertility and mortality; urbanization and migration; health and well-being; population aging and family structure; gender; and reproductive and child health. The section also focuses on the issues linked to the achievement of SDGs, especially in the light of the findings of the recent census in the country. Links between population trends and economic growth, and in what ways these trends influence social inequalities in health, education, production relations, income distribution systems, and the general well-being of the populace also fall in the mandate of the section.

CENTRE FOR ENVIRONMENTAL ECONOMICS AND CLIMATE CHANGE (CEECC)

The Centre studies environmental and climate related issues, and provides view point on policy formulation processes to its stakeholders in a possible right direction to resolve the issues of water scarcity/insecurity & pollution, air pollution, waste management, deforestation, inefficient use of energy, loss of biodiversity, and climate change. The Centre devises a research agenda which assesses not only the local environmental issues but also the regional, and global climate change scenarios. It examines how the domestic and global economy is linked with the changing environment and climate conditions in the short-run, medium-run, and long-run.

For this purpose; it conducts research work, organizes working papers and arranges seminars and conferences on regular basis where national and international scholars share their research experiences. The main objectives of the Centre are to conduct and supervise research on key issues of environmental degradation and climate change, to disseminate the results of the research among the researchers and policy makers, assists academic program in environmental economics, and to establish a data bank on environmental indicators.

Dr. Ghulam Samad
Research Economist
Section Coordinator

Dr. Rehana Siddique
Professor

Mr. Zeeshan Ahmed

Conference Program

**34th Annual Conference of Pakistan Society of Development Economists
December 12-14, 2018, Marriott Hotel, Islamabad**

DAY-I: DECEMBER 12, 2018

09:30 a.m. - 11:00 a.m.

Crystal Ball Room

INAUGURAL SESSION

RECITATION FROM THE HOLY QUR'AN

NATIONAL ANTHEM

Welcome Remarks & Secretary Report

Dr. Fazal Husain
Joint Director, PIDE /
Secretary, PSDE

Presidential Address

The Pakistan's Economy: The Way Forward
Dr. Asad Zaman,
Vice Chancellor, PIDE
President, PSDE,
Islamabad

Keynote Address by Chief Guest

Makhdoom Khusro Bakhtiar
Deputy Chairman Planning Commission
& Patron PSDE

TEA BREAK

11:00 a.m. - 11:30 a.m.

DAY-I – DECEMBER 12, 2018		<i>Crystal Ball Room</i>
MAHBOOB UL HAQ MEMORIAL LECTURE		
Theme: Bringing Human Capital Back to Pakistan		
Chairperson:	Imran Ismail Governor, Sindh	Speaker: Dr Adil Najam Dean, Frederick S. Pardee School of Global Studies Boston University, Boston USA
Guest of Honor:	Mr. Haleem Adil Shaikh Opposition Leader in Sindh Assembly, Government of Sindh	Discussants: 1. Prof. Dr. Mehtab Karim Vice Chancellor, Malir University of Science and Technology, Karachi 2. Dr. G. M. Arif Former Joint Director, PIDE, Islamabad
<u>LUNCH BREAK</u> 01:00 p.m. - 02:00 p.M.		
1st Panel Session		<i>Crystal Ball Room</i>
Topic: The Management of the Economy		
<u>Chair:</u>	Mr. Asad Umar (TBC) Federal Minister for Finance, Revenue, and Economic Affairs, Government of Pakistan	<u>Panelists:</u>
<u>Guest of Honor:</u>	Rolf Paasch Country Director FES	1. Dr. Eatzaz Ahmed (Overview of the Economy) SBP Chair, QUA, Islamabad 2. Mr. Shahid Hussain Asad (Revenue Management) Former Federal Secretary, Government of Pakistan 3. Mr. Riaz Riazuddin (Monetary Management) Former Deputy Governor, State Bank of Pakistan 4. Dr. Ashfaq Hasan Khan (Debt Management) Principal and Dean, School of Social Sciences & Humanities, NUST/ Member, Economic Advisory Council, Government of Pakistan

3:30 p.m. - 5:00 p.m.

DAY-I – DECEMBER 12, 2018

Crystal Ball Room

2nd Panel Session

Topic: Governance, Housing, Poverty & Employment

Chair:

Dr. Rashid Amjad
Former Vice Chancellor PIDE,
Islamabad

Guest of Honor:

Mr Muzzafar ud Din
Chief Executive Officer
Agha Khan Rural Support Programme

Panelists:

1. **Dr. Muhammad Ahmad Zubair**
Principal Economists,
Islamic Development Bank,
Saudi Arabia
2. **Dr. Talat Anwar**
Professor
Pakistan Institute of Development
Economics, Islamabad
3. **Dr. Nuzhat Ahmad**
Former Director AERC
Karachi
4. **Mr. Abdul Wajid Rana**
Program Leader
IFPRI Pakistan, Islamabad

TEA BREAK

05:00 p.m. - 05:30 p.m.

5:30 p.m. - 7:00 p.m.

(2) Special Invited Lecture

Crystal Ball Room

Topic: Regional Connectivity: Prospects and Challenges for Pakistan

Chair:

Dr Ishrat Hussain
Advisor to PM
Government of Pakistan

Guest of Honor:

Mr. Sherali S. Jononov
Ambassador
Embassy of the Republic of
Tajikistan,
Islamabad

Speaker:

Dr. David D. Arnold
President
The Asia Foundation (TAF)

Discussants:

1. **Dr. I.U. Mangla,**
Professor of Finance Emeritus
Department of Finance & Commercial Law
Haworth College of Business
Western Michigan University
Kalamazoo,
2. **Dr Ejaz Ghani**
Professor of Economics,
Pakistan Institute of Development Economics,
Islamabad

Book Launch Ceremony

7:00 p.m. - 7:20 p.m.

Dr. Nadeem ul Haq,

Former Deputy Chairman, Planning Commission, Government of Pakistan, Islamabad

DINNER

07:20 p.m. - 08:00 p.m.

09:00 am to 11:00 am

Day 2: December 13, 2018

Parallel Technical Sessions

Agriculture and Climate Change	Export, Trade and Industry
Session Chair: Dr. Munir Ahmed Former Joint Director, PIDE	Session Chair: Dr. Zafar Mahmood Professor, School of Social Sciences & Humanities (S3H), NUST, Islamabad
Physical Targets and Financial Allocation Under Billion Trees Afforestation Project, Khyber Pakhtunkhwa: A Systems' Analysis of Project Allocation for Forest Area Growth <i>Naila Nazir, Waseem Ahmad, and Muhammad Qasim</i>	Impact of South-South Trade Agreement on Exports of Pakistan <i>Adeel Ahmad Dar, Mr. Taj Muhammad and Muhammad Wasif Siddiqi</i>
Drought Monitoring across Agro-Climatic Zones: Empirical Reflections of Trends and Tendencies from Pakistan <i>Shumaila Sadiq and Abdul Saboor</i>	Pakistan's Export Potential with ACU Countries: An Application of Augmented Gravity Model <i>Saddam Ilyas, Junaid Kamal and Manzoor Hussain Malik</i>
Do democracy foster Agricultural Efficiency in Pakistan: A Historical Perspective <i>Qaiser Munir, Muhammad Afzal, Kanza Sohail and Hania Afzal</i>	Environmental Kuznets Curve: An Application of Heterogeneous Panel Methods Robust to Cross Sectional Dependence and Structural Breaks <i>Iqra Mazhar,</i>
Environmental Degradation in Developed and Developing Countries from the Stand Point of Financial Development and Institutional Quality <i>Muzian Batool and Muhammad Jamil</i>	Priority Industries for Relocation under CPEC - Integrating Pakistan in the Chinese Value Chains <i>Fahd Amjad, Khurrum S Mughal and Yasir Arrfat</i>
Bt Cotton, Farmers Beliefs and Health Impacts: Evidence from Pakistan <i>Shahzad Kouser, and David J. Spielman</i>	Social Bouquet of China Pakistan Economic Corridor: Boosting Marble Industry and Socioeconomic Prosperity of Households by Development of Mohmand Marble City <i>Ejaz Gul</i>
Can a Rule-of-Thumb Tool Improve Fertilizer Management? Experimental Evidence from Bangladesh <i>Mahnaz Islam and Sabrin Beg</i>	Price Inefficiency and Hegemony in Textile Manufacturing Industry of Punjab: A Data Envelopment Analysis. <i>Muhammad Nadeem, Majid Ali Rana and Mumtaz Anwar</i>
Discussants 1. Dr. Omer Farooq, Member (Social Sciences), Social Sciences Division, Pakistan Agricultural Research Council, Islamabad 2. Dr. Abedullah Anjum Chief of Research, PIDE	Discussants 1. Dr. Yasmeen Abdul Wahab Consultant, Ministry of Commerce, Government of Pakistan 2. Dr. Ejaz Ghani, Professor of Economics, PIDE

Day 2: December 13, 2018

09:00 am to 11:00 am

Parallel Technical Sessions

Noor Mahal Room	Margalla Room
Sub-theme: Labor Market Dynamics	Sub-theme: Fiscal , Monetary policy and Debt Management
Session Chair: Dr. Durr-e-Nayab, Joint Director, PIDE	Session Chair: Dr. Ather Maqsood Ahmed Professor, School of Social Sciences & Humanities (S3H), NUST, Islamabad
Assessment of Labor Market Dynamics in The Cities of Punjab: Implications for CPEC <i>Naila Tasneem</i>	External debt and capital accumulation nexus: Evidence from Pakistan <i>Tahir Mukhtar and Abida Yousaf</i>
Job Finding Rate and Female Labor Supply- A Heterogeneity Perspective: Evidence from Pakistan <i>Nargis and Nooreen Mujahid</i>	Interest Rate and Economic Growth Nexus in Pakistan: An Investigation using Maximum Entropy Bootstrap Approach <i>Uzma Bashir, Mumtaz Ahmed, and Muhammad Arshad Khan</i>
The effect of exposure to violence on household savings: evidence from drug war on Mexico <i>Zahra Albohmoood</i>	Impact of Government's Spending on the Welfare in Pakistan Economy <i>Safia Minhaj and Muhammed Nishat</i>
Credit Risk Assessment of Banking Sector of Pakistan a Macro Linked-Micro Crisis Exploration Approach <i>Fareeha Adil and Shahid Mansoor Hashmi</i>	Market Based Assessment of External Debt Sustainability – Evidence from Pakistan <i>Jamshed Y. Uppal and Inayat Ullah Mangla</i>
The Social Inclusion and Inequality Nexus: EU versus non-EU migrants <i>Amjad Naveed and Cong Wang</i>	Impact of Monetary Policy on Socio Economic Indicators: A Case Study of developing Asian Economies <i>Tahir Yousaf, Ghulam Ghouse and Atiq-ur-Rehman</i>
Impact of Social, Physical, and Financial Infrastructure on Economic Growth: A Panel Data Analysis of Developed and Developing Countries <i>Muhammad Jamil, Sundas Abbasi and Mishal-e-Noor</i>	Flexible Inflation Targeting and Relevance of Monetary Aggregates for Inflation in Pakistan <i>Fayvaz Hussain</i>
Discussant 1. Dr. Muhammad Azmat Hayat, Assistant Professor, University of Punjab 2. Dr. Iftikhar Ahmed Assistant Professor, PIDE	Discussant 1. Dr. Mahmood Khalid, Senior Research Economist, PIDE 2. Dr. Wasim Shahid Malik, Chair State Bank of Pakistan, University of Baluchistan. Quetta

TEA BREAK

11:00 a.m. - 11:30 p.m.

11:30 a.m. - 1:00 p.m.

DAY-II – DECEMBER 13, 2018

Crystal Ball Room

3rd Panel Session

Topic: Revitalizing Agriculture Sector

Chair:

Mr. Zafar Hasan
Secretary Planning,
Development & Reform,
Government of Pakistan

Guest of Honor:

Panelists:

- 1. Dr. Abdus Salam**
SBP Chair, Punjab University, Lahore
Former Chief of Research - PIDE,
Islamabad
- 2. Dr. Mubarik Ali**
Former Member,
Planning Commission,
Government of Pakistan
- 3. Dr Muhammad Azeem**
Member (Food Security)
Planning Commission
- 4. Dr. Stephen Davies**
Senior Fellow
IFPRI, Washington DC
USA

LUNCH BREAK

01:00 p.m. - 02:00 p.m.

02:00 p.m. - 3:30 p.m.

ALLAMA IQBA LECTURE

Crystal Ball Room

Topic: Defining Ideas and Movements in Economics

Chair:

Professor S M Naseem
Former Professor of
Economics QUA

Guest of Honor:

Akmal Hussain
DEAN, IT University

Speaker:

Prof. Syed Nawab Haider Naqvi
Former Director PIDE /
HEC Distinguished National Professor and
Associate
Faculty of Global Issues Initiative,
Virginia Tech University, USA

Discussants:

- 1. Dr. Asad Zaman**
President PSDE & Vice Chancellor, PIDE
Islamabad
- 2. Dr. Nadeem ul Haq**
Former Deputy Chairman,
Planning Commission,
Government of Pakistan

03:30 p.m. - 5:00 p.m.

DAY-II – DECEMBER 13, 2018

Crystal Ball Room

4th Panel Session

Topic: Realizing Exports Potential

Chair:

Ms. Shandana Gulzar Khan (TBC)
Parliamentary Secretary,
Ministry of Commerce,
Government of Pakistan
Islamabad

Guest of Honor:

Mr. Jean-François Cautain
Ambassador
The European Union
Delegation to Pakistan,
Islamabad

Panelists:

1. **Professor Ather Akbari**
Saint Mary's University, Halifax,
Canada
2. **Dr. Nasir Khilji**
Senior Economist, Department of
Treasury,
DC, USA
3. **Ms. Anjum Assad Amin**
Ministry of Commerce,
Islamabad
4. **Dr. Rashid Aftab**
Director, Riphah Institute of public Policy,
Riphah International University,
Islamabad

TEA BREAK

05:00 p.m. - 05:30 p.m.

05:30 p.m. - 7:00 p.m.

Crystal Ball Room

Special Invited Lecture

Topic: Economics of Addiction

Chair:

Dr. Yasmin Rashid
Member Punjab Assembly,
Minister for Primary and
Secondary Health Care,
Punjab

Guest of Honor:

Professor Frank Chaloupka
University of Illinois
Chicago, USA

Discussants:

1. **Dr. Roberto Lglesias**
Technical Officer,-Prevention of Non-
communicable Diseases,
World Health Organization Geneva,
2. **Dr. Muhammad Idrees,**
Assistant Professor,
Quaid-i-Azam University,
Islamabad

Report and Book Launch Ceremony 6:45 to 6:55

1. Economics of Tobacco Taxation and Consumption in Pakistan
2. Macroeconomic Impacts of Tobacco Use in Pakistan

Book Launch: Mr. Khurram Elahi (Lecturer, PIDE) 6:55 to 7:10

DINNER

07:10 p.m - 08:00 p.m

09:00 am to 11:00 am

Day 3: December 14, 2018

Parallel Technical Sessions

Crystal Ball Room I	Crystal Ball Room II
TOBACCO TAXATION	Infrastructure, Social Capital and Growth
CHAIR:	Session Chair: Dr. Shabib Haider Syed Head of Department Economics FCC University, Lahore
Dr. Asma Hyder Baloch Member Social Sector & Devolution Ministry of Planning and Development Islamabad	The Economic Geography of Infrastructure in Asia: The Role of Institutions and Regional Integration <i>Saima Nawaz and Inayat U. Mangla</i>
Guest of Honor / Moderator:	Understanding the Contribution of Social Capital to Human Development: Evidence from Panel Data <i>Moina Rauf and A.R. Chaudhary</i>
Prof. Frank J Chaloupka University of Illinois Chicago, USA	Anna Karenina Principle and Life in a Developing Country <i>Hamid Hussain and Asma Hyder</i>
PANELISTS:	Structural Impediments to Livelihood Diversification in Rural Areas: Evidence from Disaster Prone District in Rural Sindh, Pakistan <i>Manzoor Hussain Memon, Muhammad Ali and Samina Khalil</i>
1. Mahmood Khalid (PhD) Senior Research Economist, Pakistan Institute of Development Economics, Islamabad	How Socio-Economic Conditions Affect Voting Turnouts in Pakistan? A District-Level Analysis <i>Ahmed Chaudhry, Umair Mazher and Mannan Hassan Khan</i>
2. Mr. Muhammad Sabir Principal Economist, Social Policy and Development Centre, Karachi	Can Women Empowerment Explain Cross-Country Differences in Inequality? A Global Perspective <i>Amjad Naveed and Cong Wang</i>
3. Dr. Roberto Lglesias Technical Officer, Prevention of Non-Communicable Diseases, World Health Organization Geneva.	Discussants
1. Dr Hamid Ateeq Sarwar Member Inland Revenue Policy, Federal Board of Revenue, Islamabad	1. Hammad Manzoor Fatma Jinnah Women University, Rawalpindi
2. Maj. Gen. Dr. Azhar Mahmood Kayani Executive Director, Rawalpindi Institute of Cardiology, Rawalpindi	2. Dr. Ihsan ul Haq Satti Assistant Professor, PIDE

09:00 am to 11:00 am

Day 3: December 14, 2018
Second Parallel Technical Sessions

Noor Mahal Room	Margalla Room
Sub-theme Financial Sector Development	Sub-theme: Poverty, Inequality and Human Development
Session Chair Chair Dr. I. U. Mangla Professor of Finance, Western Michigan University	Session Chair: Dr. Akmal Hussain Dean, School of Humanities and Social Sciences, Informational Technology University (ITU), <u>Lahore</u>
Market Liquidity and Stock Returns: A Case of Pakistan <i>Ramiz ur Rehman and Inayat Ullah Mangla</i>	Inequality in Child Mortality: A Household Level Analysis of Pakistan <i>Zainab Jehan and Sadia Sherbaz</i>
Innovation and Access to Finance: International Evidence from Developing Markets <i>Safi Ullah Khan, Atta Ullah Shah and Mohammad Faisal Rizwan</i>	Measuring the multidimensional poverty: A case study of district Sargodha <i>Ansar Abbas, Masood Sarwar Awan, Muhammad Waqas and Ayesha Ashraf</i>
Financial Frictions and Optimal Policy Response to Shocks <i>Saira Tufail and Ather Maqsood Ahmad</i>	Income Inequality, Intergenerational Mobility and Human Development in Pakistan: An Empirical Analysis <i>Zahid Pervaiz, Shahla Akram and Amatul R. Chaudhary</i>
Switching Costs, Profitability and Competition in Pakistan Banking <i>Wei Yin, Muhammad Jehangir Khan and Huixin Xie</i>	Multisectoral Approach to Nutrition in Pakistan <i>Muhammad Ali</i>
Survival Analysis of Foreign Banks in Pakistan <i>Qurat ul ain and Muhammad Azmat Hayat</i>	Transaction cost of Justice in Pakistan: A case study of Peshawar High Court <i>Sabir Shah, Muhammad Imran Khan Karim Khan and Lubna Hasan</i>
Pakistan: Withholdingization of Economic System – A Source of Revenue, Civil Strife, or Dutch Disease+? <i>Muhammad Ashfaq Ahmed</i>	Meditation for Level of Institutional Quality to Combat Income Inequality through Financial Development <i>Ghulam Rasool Madni</i>
<ol style="list-style-type: none">Fareeha Armghan, Higher Education Commission, IslamabadFayyaz Hussain, State Bank of Pakistan, Karachi	<ol style="list-style-type: none">Dr. Nasir Iqbal, Associate Professor, PIDEDr. Nazia Bibi Assistant Professor, PIDE

TEA BREAK
11:00 a.m. - 11:30 p.m.

DAY-III: DECEMBER 14, 2018

11:30 a.m. – 01:00 p.m. *Crystal Ball Room*

5th Panel Session

Topic: Regional Connectivity under CPEC

<p><u>Chair:</u></p> <p style="text-align: center;">Mr. Yao Jing Honorable Ambassador The Embassy of the People's Republic of China, Islamabad – Pakistan</p> <p><u>Guest of Honor:</u></p> <p style="text-align: center;">Dr. Guntur Sugiyarto Principal Economist, Pakistan Resident Mission, Asian Development Bank, Islamabad</p>	<p><u>Panelists:</u></p> <ol style="list-style-type: none">1. Dr. Shahid Rashid Executive Director CoE-CPEC, Islamabad2. Ambassador (R) Syed Hasan Javed Director, Chinese Studies Centre, School of Social Sciences and Humanities (S3H), NUST, Islamabad3. Dr. Zhao Hai Center for Social Sciences, China4. Dr. Jamshed Uppal Associate Professor, Catholic University, DC, USA
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LUNCH / PRAYER BREAK
01:00 p.m. -02:30 p.m.

02:30 p.m. – 04:00 p.m.

DAY-III: DECEMBER 14, 2018

Crystal Ball Room

6th Panel Session

Topic: Environment Issues in Pakistan

Chair:

Mr. Malik Amin Aslam
Advisor to Prime Minister
on Climate Change,
Government of Pakistan
Islamabad

Guest of Honor:

Panelists:

1. **Dr. Rehana Siddique**
Former Joint Director
PIDE - Islamabad
2. **Mr. Naseer Gillani**
Senior Chief Water Section
Planning Commission
3. **Syed Nasir Mahmood**
Inspector General of Forests
Ministry of Climate Change, Islamabad
4. **Professor Asim Zia**
University of Vermont
USA

04:00 P.m. – 05:30 p.m.

The Quaid-i-Azam Lecture

Crystal Ball Room

Topic: An Export Promotion Strategy for the Knowledge Economy

Chair:

Mr. Shafqat Mahmood
Federal Minister for Education and
Professional Training,
Government of Pakistan,
Islamabad

Guest of Honor:

Senator Mohsin Aziz
Senator, Senate Secretariat
House No.38, Street No.1
F-6/3, Islamabad

Speaker:

Dr. Tariq Banuri
Chairman
Higher Education Commission
Islamabad

Discussants:

1. **Dr. Aliya H. Khan**
Member Economic Advisory Council,
Government of Pakistan
2. **Dr. Pervaiz Tahir,**
Chairman,
Bank of Punjab, Lahore

TEA BREAK

05:30 p.m. - 06:00 p.m.

Governing Body over the years. It is devoted to advancing opportunities for women and men to obtain decent and productive work in conditions of freedom, equity, security and human dignity. Its main aims are to promote rights at work, encourage decent employment opportunities, enhance social protection and strengthen dialogue in handling work-related issues. Its 183 member States seek to ensure that International Labour Standards are respected both in principle and practice, assisted by a secretariat (the International Labour Office) headquartered in Geneva. To date, 189 Conventions, setting out basic principles and rights at work have been drawn up by ILO constituents. The ILO's major work in Pakistan has covered a wide range of activities: promotion of International Labour Standards; prevention and elimination of child and bonded labour; job creation through employable skills; mainstreaming gender equality; strengthened labour market governance; employment and livelihoods recovery in response to conflicts and crises; expansion of social security schemes and social safety nets, especially in the informal economy and the promotion of tripartism and social dialogue.



Centre of Excellence-CPEC The historical brotherhood between China and Pakistan is exemplary and both have been supporting each other in the times of test and tribulations. In the same vein, China, our brotherly partner, has intended to invest at a time in 2013 when Pakistan had severe energy shortfalls and no other country was ready to wriggle us out from the economic conundrum we have been facing for the last decade.

China-Pakistan Economic Corridor (CPEC) is a series of colossal economic activity which will certainly change the destiny of the Pakistani generations. Centre of Excellence-CPEC (CoE-CPEC) is now one of the leading policy-based research centers that serve to provide inputs to the federal and provincial governments and implementers of CPEC Projects. CoE-CPEC develops professional researchers and policymakers pool to contribute to robust policy-relevant knowledge and up-gradation of governance capacities. Our mandate is to: conduct research on five thematic areas of CPEC, promote positive narrative on CPEC, guide implementers of CPEC on policy matters, and train business community on CPEC related business opportunities. Some of the key publication includes CPEC Quarterly Magazine, CPEC Working Paper Series, CPEC Policy Series, CPEC Insights: A Case Study Series and newspaper articles. All of the four mentioned publications are available on CoE CPEC Website and also printed copies have been distributed across the country, to China and abroad. For further details please visit the website.



Pakistan Poverty Alleviation Fund

The Pakistan Poverty Alleviation Fund (PPAF) is the leading institution focused on eliminating poverty in Pakistan. As one of the largest establishments spending on the poor, PPAF facilitates public-private partnerships that have a mutual goal to achieve social and economic change in Pakistan by addressing the multi-dimensional issues of poverty. PPAF is established by the Government of Pakistan as an autonomous not-for-profit company, PPAF began its operations in 2000. Thus far, it is working across 130 districts in the country with 130 partner organisations. With an experience of over a decade, PPAF concludes that local and community-based institutions are key to creating a positive outcome and proving effective. In order for poverty reduction efforts to be successful over the long-term, PPAF invites participation from diverse stake-holders who demonstrate ownership and commitment. PPAF is proud to have built alliances and partnerships within the national public and private sector, both, as well as working with international institutions. PPAF's poverty graduation

approach has been tried and tested successfully and is supported by the Government of Pakistan and multiple donors. To date, the organization has disbursed USD 2 billion through grants and financial services in various program targeting the vulnerable communities and areas of the country.



The Higher Education Commission

The Higher Education Commission (HEC) Pakistan, is an independent, autonomous, and statutory institution of primary funding, overseeing, regulating, and accrediting the higher education institutions in Pakistan. Preceded by the University Grants Commission (UGC) in 2002 by promulgation of the Higher Education Commission Ordinance 2002, HEC took place of University Grants

Commission, under the leadership of Dr. Atta-ur-Rahman its founding Chairman, with additional executive reforms granted by the constitution. It operates directly under the Prime Minister and is not subservient to the Ministry of Education. HEC is responsible for formulating higher education policy and quality assurance to meet the international standards as well as providing accrediting academic degrees, development of new institutions, and uplift of existing institutions in Pakistan. The HEC also facilitated the development of higher educational system in the country with main purpose of upgrading the in the country to be focal point of the high learning of education, research, and development] Over the several years, the HEC plays an important and leading role towards building a knowledge based economy in Pakistan by giving out hundreds of doctoral scholarships for education abroad every year.



International Growth Center

The International Growth Centre (IGC) aims to promote sustainable growth in developing countries by providing demand-led policy advice based on frontier research. The IGC directs a global network of world-leading researchers and in-country teams in Africa and South Asia and works closely with partner governments to generate high quality research and policy advice on key growth challenges. Based at

LSE and in partnership with the University of Oxford, the IGC is majority funded by the UK Department for International Development (DFID). The IGC model is based on the recognition that building effective growth policies in developing countries requires more than imported solutions. Countries face a range of challenges that require new thinking, new evidence and a flow of new ideas.



International Food Policy Research Institute

The International Food Policy Research Institute (IFPRI) is an international agricultural research center founded in the early 1970s to improve the understanding of national agricultural and food policies to promote the adoption of innovations in agricultural technology. Additionally, IFPRI was meant to shed more light on the role of agricultural and rural development in the broader development

pathway of a country. The mission of IFPRI is to seek sustainable solutions for ending hunger and poverty through research. IFPRI carries out food policy research and disseminates it through hundreds of publications, bulletins, conferences, and other initiatives. IFPRI was organized as a District of Columbia non-profit, non-stock corporation on March 5, 1975 and its first research bulletin was produced in February 1976. IFPRI has offices in several developing countries, including

China, Ethiopia, and India, and has research staff working in many more countries around the world. Most of the research takes place in developing countries in Central America, South America, Africa, and Asia. IFPRI is part of a network of international research institutes funded in part by the CGIAR, which in turn is funded by governments, private businesses and foundations, and the World Bank.



Ministry of Planning, Development and Reforms

The Planning Commission (denoted as PC) is a financial and public policy development institution of the Government of Pakistan. The Commission comes under Ministry of Planning, Development and Reforms. The Planning Commission undertakes research studies and state policy development initiatives for the growth of national economy and the expansion of the public and state infrastructure of the country in tandem with the Ministry of Finance (MoF). Since 1952, the commission have had a major influence and role in formulating the highly centralized and planned five-year plans for the national economy, for most of the 20th century in Pakistan. Although the five-year plans were replaced by Medium Term Development Framework, the commission still played an influential and central role in the development of the programme. Furthermore, the Public Sector Development Programmes (PSDP) also placed under the domain of the planning commission. The commission's authoritative figures includes a Chairman who is the Prime Minister, assisted by the deputy chairman, and a science advisor.

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