

Centre for Research in Economics and Business (CREB) Research Plan

Vision

To be a world class research center producing cutting edge research in Economics and disseminating ideas and solutions for sustainable and equitable development, particularly for the poor, women and other vulnerable groups. **Mission Statement**

CREB's mission is to:

- Produce high quality research with meaningful policy impact, build capabilities of its researchers, and engage with academics, practitioners and policy makers on issues of importance for economic development in Pakistan and the world.
- Contribute to Lahore School's overall mission by supporting high quality research of its graduate programs, ensuring that its researchers meet the international ethical standards, effectively managing its Research Development Fund grants programme and ensuring that international conferences participated by faculty under its training programme meet its academic standards.

Objectives:

CREB's objectives are to:

- Continuously improve the quality of its research by expanding links with international researchers and encouraging publications in higher ranked academic journals by its staff.
- Expand its portfolio of research projects funded from competitive external grants.
- Disseminate research and promote discussion with policy makers, academics and other stakeholders on economic development issues by organizing international conferences and seminars, publishing working papers, policy papers, briefs, newspaper articles and blogs.
- Develop skills of its staff, especially early career researchers, by mentoring and organizing training workshops, encouraging participation in external capacity-building workshops, academic conferences and seminars, as well as facilitating access to resources for research.
- Provide a dynamic, collegial and inclusive work environment.
- Provide timely and quality support to the Lahore School for:
 - i. Maintaining high quality of its graduate programmes.
 - ii. Ensuring compliance with best practices of research ethics.
 - iii. Effective use of its funding for research and faculty participation in international conferences.

Research Review: 2018 – 2022

CREB focused on three main fields of research: One, political economy; Two, education, health and labor force participation; and Three, industrial innovation and agglomeration. A significant portion of the research in the last two areas involves field experiments to provide a robust measurement of impact. In 2022, CREB staff published **8** articles in impact factor journals. This was partly because of the backlog of journal publications from 2021, which was due to the disruptions caused by COVID-19 Pandemic. In the 5 years since 2018, CREB staff have:

- Produced **61** publications, including **22** journal articles of which **16 were in impact factor journals** and 6 in X category journals, **18** international working papers and other international publications, and **21** CREB Working Papers and other local publications (see Table 1, and Tables 1-8 in the Statistical Annexure I for details).
- Obtained external grant fundings of over **£ 0.4 million** for **14** research projects, supervised 13 MPhil theses and 6 PhD theses.

- Organized 7 international Conferences: 2 on the Management of Pakistan Economy, 1 on Behavioral Economics and 4 on Applied Development Economics (ADE). In 2020, CREB organized an ADE webinar series consisting of 18 seminars over a period of 5 months.
- Collaborated on joint research with researchers from some of the leading universities in the world, including University of Oxford, Stanford University, Duke University, Bocconi University, Massachusetts Institute of Technology, University of Chicago and Harvard Kennedy School.

In 2018, the Lahore School set up a Research Development Fund (LSRDF). The LSRDF is managed by CREB and the proposals received for research grants are subjected to a rigorous evaluation process. Since its inception four research projects funded by LSRDF have been completed (see Statistical Annexure 1, Table 6b).

In 2022, research activities, particularly fieldwork and CREB's annual conferences were coming back to normal, following the end of the COVID-19 Pandemic, and CREB launched two new initiatives, a Short-term Resident Fellowship program and CREB Development Research Seminar series.

- I. **Short-term Resident Fellowship Program:** This fellowship provides an opportunity for young scholars to engage in collaborative, high quality applied research, expand their networks, and enhance their research and professional skills. In September-October 2022, CREB hosted Sakina Shibuya, a PhD student in Agricultural and Applied Economics, from the University of Wisconsin, Madison as the Center's first Resident Fellow. During the course of the fellowship, Sakina spent her time doing fieldwork for a project that she is a Co-PI with a CREB staff member (Zunia Saif Tirmazee) and she, with CREB staff members (Zunia Saif Tirmazee and Mahniya Zafar) developed and submitted a proposal to the International Growth Centre's (IGC) call for proposals in fall 2022, titled "An exploratory analysis of the consequences of the 2022 floods in Pakistan". She also participated actively in Lahore School of Economics' research capability development activities by conducting two skills training workshops at CREB.
- II. **CREB Development Research Seminar Series:** In fall semester 2022, three seminars were organized in this series. The theme for Seminars was "Social Norms and Gender". The speakers for the seminars were Zahra Mansoor, University of Oxford (October); Minahil Asim, University of Ottawa (November); and Amen Jalal, London School of Economics (December). (See Table 8 Statistical Annexure 1 for details)

CREB organized the **4th Applied Development Economics (ADE)** conference (virtually) in September (7th -9th) 2022. It featured plenary talks by Eric Verhoogen (Columbia University), Rachel Glennerster (University of Chicago) and Farzana Afridi (National University of Singapore and Indian Statistical Institute). Ten sessions took place over the three days. And, in total, twenty-one international and local researchers presented their work under the following themes: State Capacity, Political Economy, Gender, Firms & Development, Labour, Health, and Firms & Growth.

CREB also supported faculty of Economics in the relaunch of its flagship MS/MPhil economics program. Headed by the CREB senior research fellow, Waqar Wadho, the economics graduate program is revamped with the introduction of three specializations (Quantitative Economics, Development Economics, Trade and Public Policy) in MS/MPhil program.

In addition, CREB continued its Lahore School support activities by offering RA/intern-ship opportunities for undergraduate students to stimulate their interest in economic research; and managing the research ethics review process as well as screening faculty funding applications for participation in international conferences.

Table 1: Summary of CREB Five Year Output (2018-2022)

Publications and articles		
Journal articles		Working papers and other publications
22		39
Externally Funded Research projects		
Number of projects		Total funding (GBP)
14		436,098
Theses supervised		
MPhil		PhD
13		6
Support Activities		
Skills training workshops	Conferences	Seminars
6	7	21

Five Year Research Programme 2023-2028

Over the next five years CREB will continue its efforts to raise the quality and sustain the volume of its research in the period 2023-2028. However, in the last couple of years a number of CREB staff have left the Center to explore new opportunities in Pakistan and abroad. It will be difficult to replace the staff that have left because of the disruption in the Lahore School's MPhil and PhD programs in Economics and a sharp reduction in Pakistani's coming back after completing their graduate studies abroad in light of the economic and political conditions in Pakistan. Keeping in mind the probable reduction in the number of CREB staff in this period, our planned output for 2023-2028 is less than what was achieved in the last five years (for the number of resident CREB research staff today see Table I, Statistical Annexure II). In the period 2023-2028, CREB staff plan to publish 15 papers, in impact factor journals and produce 10 international working papers, CREB working papers and other international and local publications. Depending on the success of the ongoing efforts to revive the Lahore School's MPhil and PhD programs in Economics, CREB staff expect to supervise 10 MPhil/PhD theses in this period. In addition, CREB staff will complete 8 ongoing externally funded research projects and initiate 6 new projects. In addition, CREB will organize 5 international conferences, and 30 seminars with leading academics and field experts as speakers; conduct 10 skills training workshops; host at least 5 early career international researchers; and expand its student outreach programme.

CREB staff will continue with the new initiatives started in 2022 and its flagship ADE conference, with the purpose of capacity building of Lahore School faculty and enhancing their exposure to recent economic developments and latest cutting-edge research methods. ,

- I. **Short-term Resident Fellowship Program:** CREB is currently accepting applications from prospective fellows for 2023.
 - II. **CREB Development Research Seminar Series:** The Spring semester, 2023 line-up will feature four talks from March to May, 2023, by Mahreen Mahmud (University of Exeter), Amal Ahmad (University of Göttingen), Diva Dhar (University of Oxford) and Shan Aman Rana (University of Virginia). The list of speakers for the Fall semester, 2023 will be finalized in the summer.
 - III. **Conferences:** This year the 5th annual Applied Development Economics (ADE) conference is planned to be held in person in August 2023. The conference will broadly focus on the following thematic areas: Labour Markets, Industry and Trade, Political Economy and Institutions, Education and Health, and Climate Change with a cross-cutting emphasis on gender.
 - IV. **Research projects:** Work will continue ongoing projects and start on projects initiated during 2022 and for which external grant funding is received:
- **New projects initiated during 2022:**
 - a) In collaboration with Punjab Skills Development Fund (PSDF) and researchers from University of Chicago, CREB team members: Hamna Ahmed and Zunia Tirmazee initiated work on a pilot research project: “Household Decision-Making Inefficiencies and Young Women’s Skill Investment in Pakistan”. The aim of the project is to study whether barriers to efficient household decision-making cause under-investment in daughter’s income-generating skills. In light of this, a Memorandum of Understanding (MoU) was recently signed between Lahore School of Economics and the implementing partner for the project: PSDF.
 - **Research funding applications made during 2022:**
 - a) Fareena Malhi and Sadia Hussain have submitted a proposal for a new project to international funding agencies for a research grant for the project “Incentivizing Carpooling to Combat Congestion and Vehicular Emissions in Lahore, Pakistan”. The project focuses on the role of pecuniary and non-pecuniary incentives in the decision to rideshare in a developing country context.
 - b) Hamna Ahmed and Zunia Saif Tirmazee have submitted a proposal for a new project to International Growth Centre (IGC). The project is titled “The role of parental returns in facilitating career development of young women”.
 - c) Hamna Ahmed and Zunia Saif Tirmazee have submitted a proposal for a new project to Private enterprise development in low income countries (PEDL), the Becker Friedman Institute Development Economics Research Fund (DERF), J-PAL Gender and Economic Agency Initiative and the Weiss Fund. The project is titled “Household Decision-Making Inefficiencies and Young Women’s Skill Investment in Pakistan”.

Table 2: Summary of CREB's Planned Five Year Research Output (2023-2028)

Publications and articles		
Journal articles	Books/Book chapters	Working papers and other publications
15	1	10
Externally Funded Research projects		
Number of projects	Total funding (GBP)	
10	400,000	
Theses supervised		
MS/MPhil	PhD	
8	2	
Support activities		
Skills training workshops	Conferences	Seminars
10	5	30

Statistical Annexure 1: Research Review 2018 - 2022

Table 1: Publications in Impact Factor and HEC X and Y Category/ABDC/ABS*

Sr. NO.	Authors	Title of Article	Journal	Journal Category
1	Waqar Wadho and Sadia Hussain	Ethnic diversity, concentration of political power and the curse of natural resources	Economia Politica, (2022)	Impact factor
2	Theresa Chaudhry, Zunia Tirmazee and Umair Ayaz	Experimental Evidence on Group-based Attendance Bonuses in Team Production	Journal of South Asian Development (2022)	Impact factor
3	Maryiam Haroon, Farah Said and Mahniya Zafar	Fostering non-cognitive skills and academic performance: Experimental evidence from	Journal of Asian Economics, Vol 81 (2022)	Impact factor

		women's-only colleges in Pakistan		
4	Hamna Ahmed, Mahreen Mahmud, Farah Said and Zunia Tirmazee	Encouraging Female Graduates to Enter the Labor Force: Evidence from a Role Model Intervention in Pakistan	Economic Development and Cultural Change (2022)	Impact factor
5	Waqar Wadho and Azam Chaudhry	Innovation Strategies and Productivity Growth in Developing Countries: Firm level Evidence from Pakistani Manufacturers	Journal of Asian Economics Vol 81 (2022)	Impact factor
6	Hamna Ahmed and Dareen Latif	Impact of physical distance on health facility choice: Evidence from a health micro insurance program in Punjab, Pakistan	International Journal of Health Planning and Management (2022)	Impact factor
7	Uzma Afzal, Giovanna d'Adda, Marcel Fafchamps and Farah Said	Intra household Consumption Allocation and Demand for Agency: A triple experimental investigation	American Economic Journal: Applied Economics, Vol 14 (2022)	Impact factor
8	Azam Chaudhry, Giovanna d'Adda, Mahreen Mahmud and Farah Said	Home-based Enterprises: Experimental Evidence on Female Preferences from Pakistan	Economic Development and Cultural Change (2022)	Impact Factor
9	Azam Chaudhry and Maryiam Haroon	Where to Locate? The Correlation Between Spatial Proximity and Location Choice of New Firms: The Case of Pakistan.	Asian Economic Journal, 35(2), 187208 (2021)	Impact factor
10	Yumna Hassan and Waqar Wadho	Unskilled Migration, Child Labor and Human Capital Accumulation of Left behind	Lahore Journal of Economics, Vol 25(2) (2020)	X
11	Kashif Malik, Muhammad Meki, Jonathan Morduch, Timothy Ogden, Simon Quinn, S, and Farah Said	COVID-19 and the Future of Microfinance: Evidence and Insights from Pakistan,	Oxford Review of Economic Policy, 36, Issue Supplement_1, S138–S168 (2020)	Impact factor

12	Mahniya Zafar, Naved Hamid and Fatima Arshad	Are Agricultural Markets in the Punjab Technically Efficient?	Lahore Journal of Economics 25(1) (2020)	X
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13	Maryiam Haroon	Productivity Dispersion across Districts in Punjab	Lahore Journal of Economics 24(2) (2019)	X
14	Sadia Hussain, Hamna Ahmad	The Role of Bundling in Promoting Sustainability of Health Insurance: Evidence from Pakistan	Geneva Papers on Risk and Insurance Issues and Practice, 44 (3) (2019)	Impact Factor
15	Shaheen Naseer	Public Spending, Quality of Bureaucracy and Economic Growth: A Theoretical Analysis	The Pakistan Development Review 58(2), 203-221, (2019)	X
16	Farah Said, Mahreen Mahmud, Giovanna d'Adda and Azam Chaudhry	It is not power, but how you use it: Experimental evidence on altruism from households in Pakistan	Applied Economic Letters, 27(5), 426 - 431 (2019)	Impact Factor
17	Waqar Wadho, Michelline Geodhuys, Azam Chaudhry	Young innovative companies and employment creation, evidence from the Pakistani textiles sector	World Development, Volume 117, 139-152 (2019)	Impact Factor
18	Waqar Wadho, Azam Chaudhry	Identifying and Understanding the High Growth Firms in Pakistani Textiles and Apparel sectors	Lahore Journal of Economics 24(2) (2019)	X

19	Waqar Wadho and Umair Ayaz	Government size and economic growth in an endogenous growth model with rent seeking	Economics & Politics, 30 (1), 151-179 (2018)	Impact Factor
20	Waqar Wadho and Azam Chaudhry	Innovation and Firm Performance in Developing Countries: The case of Pakistani Textiles and Apparel Manufacturers.	Research Policy, 47 (7), 1283-1294 (2018)	Impact Factor

21	Uzma Afzal Giovanna d'Adda, Marcel Fafchamps, Simon Quinn, and Farah Said	Two Sides of the Same Rupee? Comparing Demand for Microcredit and Microsaving in a Framed Field Experiment in Rural Pakistan	Economic Journal 128 (614), 2161-2191 (2018)	Impact Factor
22	Kumail Rizvi, Bushra Naqvi and Fatima Tanveer	Is Pakistan Ready to Embrace Fintech Innovation?	The Lahore Journal of Economics, 23: 2, 151–182 (2018):	X

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Table 2: International Working Papers & Other International Publications

Sr. No.	Author(s)	Title	Paper Series	Year
1	Christopher Engel, Klaus Heine and Shaheen Naseer	Religion and Tradition in Conflict Experimentally Testing the Power of Social Norms to Invalidate Religious Law	Discussion Papers of the Max Planck Institute for Research on Collective Goods, 2021/13	2021
2	Daniel L. Chen, Sultan Mehmood and Shaheen Naseer	Training Effective Altruism	NBER Working Paper	2021
3	Daniel L. Chen, Sultan Mehmood and Shaheen Naseer	Training Policymakers in Econometrics	NBER Working Paper	2021
4	Jing Cai, Erica Field, Cynthia Kinnan, Muhammad Meki, Jonathan Morduch, Jonathan de Quidt, Simon Quinn and Farah Said	Microfinance	Microfinance Report: VoxDevLit, 3(1)	2021
5	Daniel L. Chen, Sultan Mehmood and Shaheen Naseer	Training Effective Altruism	Article: VoxDev, Public Economics	2021
6	Hamna Ahmed, Muhammad Ahmed Nazeef and Sadia Hussain	Leveraging technology to promote women's health: Evidence from a pilot programme	GLO Discussion Paper No. 939	2021
7	Daniel L. Chen, Sultan Mehmood and Shaheen Naseer	Training Policymakers in Econometrics: Evidence from Pakistan	Article: VoxDev, Methods and Measurement	2021

8	Muhammad Meki, Jonathan Morduch, Timothy Ogden Simon Quinn and Farah Said	How will coronavirus change the global microfinance industry?	Blog post: Economics Observatory, Aid & International Development Blog	2020
9	Waqar Wadho and Azam Chaudhry	Innovation Strategies and Productivity Growth in Developing Countries: Evidence from Pakistan	GLO Discussion Paper Series No. 466	2020
10	Waqar Wadho and Sadia Hussain	Ethnic Diversity, Concentration of Political Power and the Curse of Natural Resources	GLO Discussion Paper Series No. 611	2020
11	Jacopo Bonan, Giovanna d'Adda, Mahreen Mahmud and Farah Said	The Role of Flexibility and Planning in Repayment Discipline: Evidence from a Field Experiment on Payas-You-Go Off-Grid Electricity	RM-CMCC Working Paper No. 20-14	2020
12	Uzma Afzal, Giovanna d'Adda, Marcel Fafchamps and Farah Said	Implicit and Explicit Commitment in Credit and Savings Contracts: A field experiment.	NBER Working Paper No. 25802	2019
13	Shaheen Naseer and Klaus Heine	Analyzing the Impact of Initial Imprints on a Bureaucratic Organization: The Case of Pakistan.	Academy of Management Proceedings, (1) (Vol. 2019, No. 1, p. 18816).	2019
14	Shaheen Naseer and Klaus Heine	Organizational Inertia and Public Policy Outcomes	Academy of Management Proceedings, (1) (Vol. 2019, No. 1, p. 19261).	2019
15	Waqar Wadho, Michelline Geodhuys, Azam Chaudhry	Do young innovative companies create more jobs? Evidence from Pakistani textile firms	UNU Merit No. 2019-02	2019

16	Hamna Ahmed	Group decision-making: Evidence from a framed field experiment with community organisations in Pakistan	CSAE Working Paper	2018
17	Uzma Afzal Giovanna d'Adda, Marcel Fafchamps and Farah Said	Intrahousehold Consumption Allocation and Demand for Agency: A Triple Experimental Investigation	NBER Working Paper No 24977	2018

18	Uzma Afzal Giovanna d'Adda, Marcel Fafchamps and Farah Said	Demand for power and control in consumption decisions in the household	Blog post: VOXEU/CEPR	2018
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Table 3: CREB Working Papers & Other Local Publications

Sr. No.	Author(s)	Title	Paper Series	Year
1	Naved Hamid and Hijab Waheed	Our Cities Unfit To Absorb Migrants	DAWN, August 14 Special: 75 YEARS OF PAKISTAN 1947-2022	2022
2	Hamna Ahmed and Hijab Waheed	Breaking Intergenerational Violence: The Role of Government Policy.	CREB working paper No. 02-21	2021
3	Kashif Z Malik and Farah Said	COVID-19 and the Future of Microfinance: Evidence and Insights from Pakistan.	Blog post: Mahbub Ul Haq Research Center at LUMS	2021
4	Ijaz Bajwa, Hamna Ahmad, Sadia Hussain and Katherine Vyborny	Student Experiences and Outcomes during COVID-19; Insights for TCF	TCF Policy brief	2021
5	Fatimah Shah and Zunia Saif Tirmazee	Impact of Parental Occupation on Career Aspirations.	CREB Working Paper No.05-20	2020
6	Farah Said, Mahreen Mahmud, Giovanna d'Adda, and Azam Chaudhry	Home-bias Among Female Entrepreneurs: Experimental evidence on preferences from Pakistan	CREB Working Paper No. 04-20	2020
7	M. Ahmed Nazif and Farah Said	Gender Differences in Willingness to Compete	CREB Working Paper No. 03-20	2020

8	Raja A. Rahman and Farah Said	Can Competition Reduce Moral Hazard? A Laboratory Experiment	CREB Working Paper No. 02-20	2020
9	Hamna Ahmed Mahreen Mahmud Farah Said ZuniaTirmazee	Undergraduate Female Students in Lahore: Perceived Constraints to Female Labour Force Participation.	CREB Policy Paper No. 01-20	2020
10	Hamna Ahmed, Sadia Hussain and Muhammad Ahmed Nazif	COVID-19 and well-being of female borrowers in Lahore, Pakistan.	CREB Policy Brief No. 03-20	2020
11	Maryiam Haroon, Farah Said and Mahniya Zafar	Non-cognitive skills, psychological well-being and learning outcomes among college students.	CREB Policy Brief No. 02-20	2020
12	Hamna Ahmed, Mahreen Mahmud, Farah Said and Zunia Saif Tirmazee	COVID-19 and urban households in Lahore, Pakistan.	CREB Policy Brief No. 01-20	2020
13	Mahniya Zafar and Farah Said	The Impact of School Facilities on Dropouts in Pakistan	CREB Working Paper No. 03-19	2019
14	Sadia Hussain, Muhammad Ahmed Nazif, Hamna Ahmad	Utilization of Health Microinsurance: Evidence from Focus Group Discussions	CREB Policy Paper No. 02-19	2019
15	Anum Illahi and Waqar Wadho	Corruption Tax Evasion and Economic Development in Economies Hierarchical Tax Administrative System	CREB Working Paper No. 02-19	2019
16	Sadia Hussain, Hamna Ahmed	Utilization of Health Microinsurance in Punjab: Insights from Administrative Data	CREB Policy Paper No. 01-19	2019
17	Muhammad Salman Khalid, Hamna Ahmed, Asha Gul, Simon Quin and Kate Vyborny	Disability: Inclusion of People with Disability in Pakistan's Third Tier Organisations (TTOs)	PPAF Research Brief	2019

18	Aiman Nadeem and Uzma Afzal	The Impact of Early Childbearing and Child Health in Punjab	CREB Working Paper No. 03-18	2018
19	Azka Sarosh Mir and Theresa Thompson Chaudhry	The impact of Prenatal Exposure to Fasting on Child Health Outcomes.	CREB Working Paper No. 01-18	2018
20	Waqar Wadho and Arif Naveed	Geography of poverty and industrial clusters in Pakistan: Some policy implications.	PPAF Policy Brief	2018
21	Waqar Wadho and Azam Chaudhry	Innovation in the Textiles sector of Pakistan.	IGC Policy Brief	2018

Statistical Annexure 1: Research Review 2018 - 2022

Table 4: MPhil Thesis supervised.

Sr. No.	Supervisor	Thesis Title	Student Name	Year
1	Farah Said & Tareena Musadiq	Impact of Family size on Child Health in Pakistan	Fatima Jamil	2021
2	Shaheen Naseer	Impact Of Gender On Meritocratization: A Panel Data Study	Kiran Tariq	2021
3	Hamna Ahmed	The Long run effects of childhood exposure to violence and women's protection initiatives on well-being	Hijab Waheed	2021
4	Farah Said	Can Competition Reduce Moral Hazard?	Raja Abdar Rahman	2020
5	Maryiam Haroon	Corruption, Institutional Barriers and Innovation	Zainab Idrees	2020
6	Hamna Ahmed & Farah Said	The Impact of terrorism on educational outcomes: The case of Pakistan	Saniya Jilani	2019
7	Shaheen Naseer	Intuitions and exports: A cross country analysis	Maryium Nazif	2019
8	Zunia Tirmazee	Impact of Parental Occupation on Career Aspirations of University Students	Fatimah Shah	2019

9	Hamna Ahmed	Impact of Physical Distance on Health Facility Choice: Evidence from Kashf's Health Micro Insurance Programme	Dareen Latif	2018
10	Farah Said	Gender Differences in Willingness to Compete	Muhammad Ahmed Nazif	2018
11	Farah Said	The Impact of School Facilities on Dropouts in Pakistan'	Mahniya Zafar	2018
12	Waqar Wadho	Investment in Early Childhood Health and Its Implications for Human Capital Accumulation.	Muhammad Naveed	2018
13	Waqar Wadho	Child Nutrition, Education and Child Labour; Impact on Human Capital Accumulation.	Sara Khan	2018

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Table 5. PhD Supervisions

Sr. No.	Name	Name of Committee Member 1	Name of Committee Member 2	Name of Committee Member 3	Status
1.	Farah Said (19 June, 2019)	Azam Chaudhry	Theresa Chaudhry	Naved Hamid	Completed
2.	Maryiam Haroon (20 August, 2021)	Azam Chaudhry	Waqar Wadho	Theresa Chaudhry	Completed
3.	Nida Jamil (25 August, 2022)	Theresa Chaudhry	Azam Chaudhry	Naved Hamid	Completed
4	Zunia Saif (25 August, 2022)	Naved Hamid	Azam Chaudhry	Waqar Wadho	Completed
5.	Rabia Ikram (31 August, 2022)	Moazzam Mahmood	Waqar Wadho	Naved Hamid	Completed
6.	Rabia Arif (3 March, 2023)	Theresa Chaudhry	Azam Chaudhry	Naved Hamid	Completed

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Table 6A: International Research Projects Grants

Sr. No.	Project Title	Award Date	End Date	Grant Amount (£)⁽¹⁾	Funding Sources
1	Firm Side Constraints to Hiring Women	2022	Ongoing	N/A	PEDL/ IGC
2	Training effective altruism	2020	Ongoing	N/A	World Bank
3	Intergenerational Transmission of Conservative Social Norms	2020	Ongoing	N/A	World Bank
4	Training Policy-Makers in Econometrics	2020	Ongoing	N/A	World Bank
5	Why do you want your inheritance share? Triumph of social norms over laws: Evidence from Pakistan	2020	Ongoing	N/A	Max Planck Germany
6	Strengthening schools accountability mechanisms through participation: addressing education quality	2019	Ongoing	106,639	ESRC/ Washington University
7	Search and Matching Frictions in Casual Day Laborers (2)	2019	Ongoing	N/A	PEDL
8	Social Networks and Search frictions in Day Laborers (1)	2019	2019	N/A	PEDL
9	Innovation and Firm Growth in the Pakistani Textile Sector: Do young and Innovative Firms Grow Faster	2018	2019	45,126	GCRF/University of Oxford
10	Overcoming Constraints to Labor force entry (2)	2018	Ongoing	149,000	GLM LIC

11	Overcoming Constraints to Labor force entry (1)	2018	2019	32,896	PEDL
12	Breaking the Cycle: reducing nonpayment for electricity	2018	2021	17,445	IGC
13	Electricity & Reliability in small business performance (2)	2018	2021	50,000	IGC
14	Electricity & Reliability in small business performance (1)	2018	2021	34,992	PEDL
	Total Funding			£ 436,098	

Statistical Annexure 1: Research Review 2018 - 2022

Table 6B: Lahore School Research Development Fund Grants

Sr. No.	Project Title	Award Date	End Date	Grant Amount (Rs.)
1	The Role of Information in Utilization of Health Micro insurance	2018	2020	490,000
2	Systematic corruption in public bureaucracy	2019	2020	395,000
3	Political consequences of reliable electricity	2019	2021	498,000
4	The role of non-cognitive skills in improving academic performance	2019	2022	549,000
	Total Funding			1,932,000

Statistical Annexure 1: Research Review 2018 - 2022

Table 7: University Collaborations

<p>1. Bates College, 2. Bocconi University, 3. University of Bonn, 4. University of California Berkeley, 5. University of Cambridge, 6. University of Chicago, 7. Duke University, 8. Erasmus University Rotterdam, 9. University of Essex, 10. University of Exeter, 11. University of Gottingen, 12. Harvard Kennedy School, 13. Massachusetts Institute of Technology, 14. University of Michigan, 15. Montpellier Business School, 16. New Economics School, 17. University of New South Wales, 18. University of North Carolina, 19. University of Nottingham, 20. University of Oxford, 21. Paris School of Economics, 22. Politecnico di Milano, 23. Sorbonne Universite, 24. Stanford University, 25. Toulouse University, 26. United Nations University (UNU-Merit), 27. University of Warwick, 28. Washington University in St. Louis and 29. University of Wisconsin</p>

Statistical Annexure 1: Research Review 2018 - 2022

Table 8 CREB Development Research Seminar Series (Fall, 2022)

Topic	Presenter
Carrots or Sticks: Experimental Evidence on Incentives for Agricultural Extension Workers (27 October, 2022)	Zahra Mansoor (University of Oxford)
Pygmalion Effects and Student Outcomes: Experimental Evidence from Pakistan (17 November, 2022)	Minahil Asim (University of Ottawa)
Can competition drive down corruption? Evidence from cash transfers in Pakistan (2 December, 2022)	Amen Jalal (London School of Economics)

Statistical Annexure 2: Research Programme

Table 1: Resident CREB Research Staff, March 2023

Senior Research Fellows
<p>1. Hamna Ahmed 2. Fareena Malhi 3. Zunia Tirmazee 4. Waqar Wadho</p> <p>(Maryiam Haroon and Shaheen Naseer are on leave.)</p>
Research Fellows/Associates
<p>1. Fatima Jamil 2. Maryium Nazif</p> <p>(Mahniya Zafar is on leave)</p>

Table 2. Expected Research Output 2023

Lahore School of Economics, CREB Staff Potential Research Publications, Working Papers and Supervision of MPhil Theses 2023

Sr · N o.	Name	Publications					MPhil Theses supervised		PhD Theses supervised	
		Journal		Other Publications			Com pleted	Ongo ing	Com pleted	Ong oing
		HEC W cate gory/ Impact factor	HEC X and Y cate gory ABDC /ABS/ MLA	Book chapt ers	Lahore School working paper / Internat ional working paper	Other intern ational and local public ations				
1	Naved Hamid								1	
2	Waqar Wadho	2								
3	Hamna Ahmed	1		1						
4	Shaheen Naseer	1								
5	Maryiam Haroon	1								
6	Zunia Tirmazee	2					1			
7	Sadia Hussain	1								
8	Fareena Malhi	1								
9	Mahniya Zafar	1								
10	Fatima Jamil									
	Net total	10		1					1	