

## GREEN BUILDINGS TEAM DETAILS

### 1. **Name: Dr. Irfan Yousuf**

- **Role:** Team leader and Energy efficiency technology expert
- **Email:** irfan.yousuf@yahoo.com, [irfanyousuf.cc@gmail.com](mailto:irfanyousuf.cc@gmail.com)
- **Career:** Dr. Irfan Yousuf, an experienced environmentalist with a career spanning 19 years, has made significant contributions to the field of energy efficiency and climate change. His expertise in climate change adaptation, mitigation, and energy efficiency sets him apart as a notable figure in these fields. Dr. Yousuf's deep understanding of environmental challenges associated with development projects, combined with his comprehensive knowledge of climate finance, indigenous technology development, and greenhouse gas (GHG) inventory reporting, highlights his pivotal role in shaping policies for the Government of Pakistan. His instrumental role in refining regulatory frameworks within the renewable energy sector underscores his commitment to driving positive change.

Dr. Yousuf's influence extends to global climate initiatives, as evidenced by his active participation in the 'Adaptation Working Group' under the Ministry of Climate Change (MoCC), focusing on NDC revisions under the Paris Agreement. With a Ph.D. centered on the impact of climate change on water resources and small hydropower, he has played a key role in shaping mitigation strategies, adaptation techniques, and technology transfer mechanisms. His involvement in crafting inputs for COP meetings and contributing to Pakistan's NDC underscores his expertise in these areas.

Within the domain of energy efficiency, Dr. Yousuf's contributions have been particularly noteworthy. His extensive involvement in preparing GHG inventories and reducing carbon emissions demonstrates his strategic insights into effective emissions reduction strategies. Collaborations with various stakeholders, including development partners, institutes, and organizations, have facilitated essential networks for advancing renewable energy and energy-efficient technologies. With a robust 16-year background in the renewable energy sector, his contributions to technology development, setting quality standards, and enhancing regulations underscore his dedication to promoting energy efficiency. Dr. Irfan Yousuf's comprehensive knowledge and unwavering commitment establish him as an outstanding leader in the arena of energy efficiency and climate change.

### 2. **Name: Leena Aftab**

- **Role:** Climate Change Policy and Coordination Specialist
- **Email:** leenaftab@ymail.com
- **Career:** Ms. Leena Aftab is a Climate Change Planning and Policy Specialist from Pakistan with experience working in the areas of climate change and environmental conservation for four years. As an independent consultant, she has been actively involved in analytical research to enhance the understanding of decision-makers on the impacts of climate change and aid the development of informed policies and strategies for adaptation and mitigation.

Currently, she is supporting the development of provincial action plans that rely on updating the national assessment on climate change mitigation and air pollution management based on provincial data for source sectors. She is also supporting Pakistan's Ministry of Climate Change and Environmental Coordination to set a government-mediated mechanism that provides regulatory and political certainty for the voluntary carbon market and supports decision-making on carbon rights and benefit sharing. She recently completed the development of a Long-term Vision and work plan for a Long-term Low Emission Development Strategy for Pakistan under Article 4.19 of the Paris Agreement that involves finalizing a realistic Net Zero target for the country while prioritizing cross-cutting areas such as gender equality, youth engagement, education, health, and community engagement.

Previously, she had been actively involved in the framing of the NDCs in Pakistan and its planned implementation processes. She has also authored Pakistan's Blue Carbon Potential

for Pakistan NDC, Water Sanitation and Hygiene for Pakistan NDC, and developed a working paper with evidence-based recommendations to enhance women's participation in climate change adaptation and mitigation for Pakistan NDC and Pakistan Biennial Update Report under the Paris agreement. Further analytical research includes the socio-economic benefits of the blue economy, circular economy, and just transition, an integrated assessment of air pollution and climate change mitigation in Pakistan, natural capital accounting, environment, and social impact assessment, and the potential of energy-efficient climate-friendly fish cold value chain.

**3. Name: Khalil Raza**

- **Role:** Energy Expert
- **Email:** [khalilrazab@gmail.com](mailto:khalilrazab@gmail.com)
- **Career:** Mr. Khalil Raza is a sustainable energy professional with extensive experience in program development, project management, and policy analysis in areas of clean energy and climate mitigation.

Currently, he serves as the Programme Manager for Energy and Climate at the Economic Cooperation Organization - Science Foundation (ECOSF), where he provides strategic and technical advisory services to ECO Member Countries in energy policy, climate mitigation, and clean energy roadmaps. Recently, he has taken on a consultancy assignment with Green Growth Consultants as an Energy Consultant, working on the Green Building Framework for Pakistan.

Previously, Mr. Raza worked as an Energy Efficiency Consultant on Industrial Decarbonization at the World Bank. During two different stints, he also served as a Clean Energy Specialist for Sustainable Energy for All and, an Electric Mobility Expert at the UNDP. In these roles, he co-authored the National Action Plan for Pakistan on Sustainable Energy for All, and Scaling Up Electric Mobility in Pakistan, respectively.

Besides, Mr. Raza served as the Young Development Fellow - Sustainable Energy at the Planning Commission of Pakistan. He is a recipient of the Fulbright Scholarship and holds a Master's degree in Renewable and Clean Energy from Wright State University in Ohio, USA.

**4. Name: Ghazi Arsalan**

- **Role:** Structural Engineer
- **Email:** [ghaziuetian@gmail.com](mailto:ghaziuetian@gmail.com)
- **Career:** Ghazi Arsalan is an experienced Structural Engineer with a career spanning over 15 years, characterized by his significant contributions to various structural analysis and design projects. His portfolio includes a wide array of projects, ranging from commercial and residential buildings to infrastructure design. Ghazi's expertise is particularly notable in seismic analysis and design, ensuring structures are not only functional but also compliant with stringent codes and safety standards. His proficiency extends to the use of various industry software, such as ETABS, StaadPro, Sap2000, Safe, PCA Col, AutoCAD, and Microsoft Office.

Throughout his career, Ghazi has held several key roles in esteemed engineering consulting firms, where he has consistently demonstrated his skills in structural framing, analysis, design, and project management. He has supervised CAD operators, and prepared design documents, reports, and quality control audits. His experiences have also involved site visits, client-consultant meetings, and determining project scopes. Ghazi's portfolio boasts a diverse range of accomplishments, including the structural analysis of commercial and residential buildings, the design of bridges, shopping malls, police buildings, and more. His specialization in seismic analysis has added an extra layer of precision and safety to the projects he has been involved in.

**5. Name: Mustafa Khan**

- **Role:** Legal Expert
- **Email:** [mustafa@khanijaz.com](mailto:mustafa@khanijaz.com)
- **Career:** Mustafa has extensive experience acting on behalf of large public and private sector corporations on matters related to contractual disputes, intellectual property, labor and employment matters, corporate structuring and governance, and local and foreign investment law. As a licensed attorney in the State of New York, he has special expertise in regulatory compliance matters and has been noted for his proactive approach to engagement with regulators.

**6. Name: Wasi Haider**

- **Role:** Civil Engineer
- **Email:** [haidar.wasih08@gmail.com](mailto:haidar.wasih08@gmail.com)
- **Career:** With over 4 years of professional experience in civil engineering, Wasi Haider brings a wealth of expertise to the field. His diverse roles include serving as an Assistant Manager at Renewable Stars Ltd, a Civil Engineer at Shanghai Electric Group, and a consultant to Engineering Design Consultants. Wasi's tenure in these positions underscores his adeptness in project management, design implementation, and construction coordination. Proficient in a range of essential software tools including AutoCAD, MS Office, SketchUp Pro, and ETABS, he seamlessly integrates technology into his work. Wasi's dynamic skill set, combined with his hands-on experience across various engineering domains, positions him as a capable professional ready to tackle complex challenges in the civil engineering landscape.

**7. Name: Syed Kumail Abbas**

- **Role:** Research Associate
- **Email:** [akumail460@gmail.com](mailto:akumail460@gmail.com)
- **Career:** Syed Kumail Abbas is an environmental engineer with a background in sustainability and environmental research. As a Research Associate at Green Growth Consultants, he has played a pivotal role in the Green Buildings Project by conducting extensive research on energy efficiency, sustainable materials, and renewable energy integration. His involvement in designing training materials, managing social media outreach, and engaging with COP delegates highlights his versatile skill set. Syed's internship experience with Federal EPA provided hands-on exposure to environmental assessments and regulatory processes. Additionally, his commitment to community involvement is evident through volunteer work with organizations like OXFAM-PK and PRCS, where he led awareness campaigns and environmental sessions, showcasing his passion for creating a greener future.

**8. Name: Tehreem Fatima**

- **Role:** Environmental Analyst – Green Buildings
- **Email:** [tahreemasad96@gmail.com](mailto:tahreemasad96@gmail.com)
- **Career:** Tehreem Fatima is a passionate and driven development practitioner and researcher, committed to addressing the challenges posed by climate change. Her research interests revolve around climate change and development, equitable climate action, adaptation and mitigation strategies, and climate finance. Having majored in Social Development and Policy and Development Studies, she is equipped with strong research and analysis skills that enable her to deliver quality output, grounded in theory and practice. Her approach is rooted in teamwork, dedication, and commitment and her aim is to consistently chart the path towards informed and effective climate action in Pakistan.