

Annual Report

# 2022



## ABOUT US



Code for Pakistan is a nonprofit civic technology organization.

We envision a government that works for everyone, seamlessly. Our mission is to harness the power of people and technology to build a better, citizen-centered government. Leveraging our key programs – Fellowships and Internships, Community Engagement, Digital Solutions and Services, and Civic Academy – we bring government and citizens together in a participatory process of governance.

As a member of the global Code for All network, we collaborate with other civic tech organizations across the world. Together, we work to leverage the power of technology and human-centered processes to offer new channels for the community to meaningfully participate with the government and other stakeholders.

In the last decade, we have built government capacity for digital transformation and co-created digital solutions and services that both impact people's lives positively and help the government work more effectively. With a diverse team of talented and highly skilled professionals across Pakistan and abroad, amongst them a powerful volunteer force as well as full-time staff, we have been championing open policies that foster a stronger partnership between the government and the community.

Code for Pakistan is registered in Pakistan as Foundation for Civic Tech, an SECP Section 42 nonprofit, and in the USA as Tech for Change, a 501(c)(3).

## MISSION

To harness the power of people and technology to build a better, citizen-centered ecosystem of governance.



## VISION

To create a government that works for everyone, seamlessly.





**Sheba Najmi,**  
Founder and Executive Director

2022 has been a year of great accomplishments for Code for Pakistan. Not only did we complete the 7th cycle of our KP Government Innovation Fellowship Program, but we also grew our KP Women Civic Digital Internship Program by 5x, which promotes diversity and inclusivity in one of Pakistan's most conservative provinces, Khyber Pakhtunkhwa.

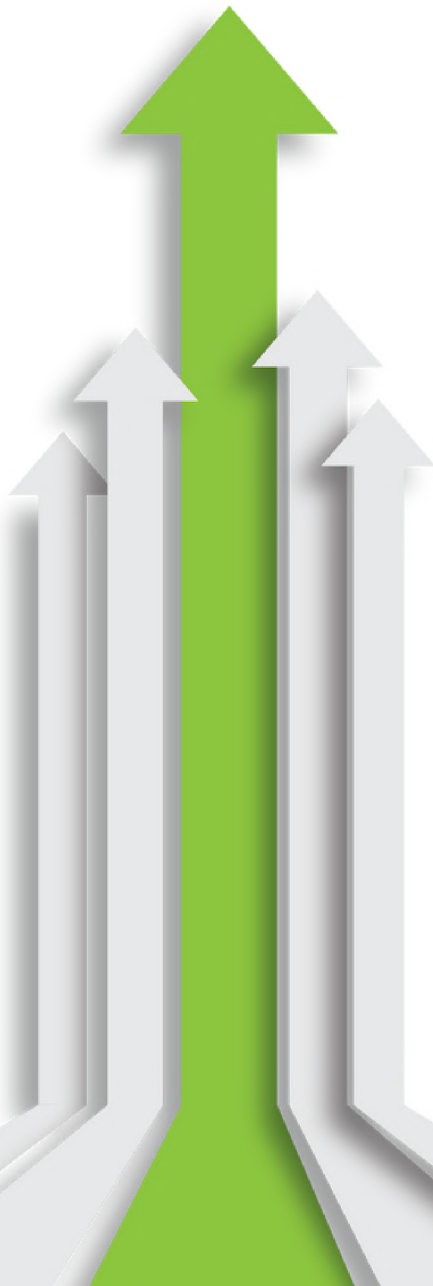
We strive to improve public services by creating citizen-centered technology solutions, through collaboration with government and other public entities. But our achievements are not ours alone; they owe much to our incredible community. A notable effort this year was the collective effort of community and our partners on the FloodLight platform. With your support, we swiftly aided those affected by the floods by connecting them with NGOs and aid workers. We sincerely thank our community members for your remarkable role during a time of crisis.

Your belief in our mission opens doors for more people to engage in civic initiatives. Together, through Fellowship programs, civic hackathons, and community-led projects, we can drive positive change and improve government services.

Looking ahead to 2023, it will be 10 years since the birth of Code for Pakistan. It is simultaneously exciting and humbling to think of how far we have come from that first Karachi Civic Hackathon in April 2013. In 2023, besides taking some time to reflect on the last decade of learnings, we are excited for the launch of new initiatives - and we are counting on your partnership and support in creating meaningful impact, together. Thank you for your unwavering commitment to Code for Pakistan's work. Let us make our 10th year the most impactful yet for our communities and people.



## KEY ACHIEVEMENTS

- 
- **Graduated** 9 women interns from the pilot cycle of our **KP Women Civic Digital Internship Program**, a 6-month online learning program for women from remote areas of the Khyber Pakhtunkhwa (KP) province, in collaboration with Khyber Pakhtunkhwa IT Board (KPITB).
  - Expanded the KP Women Civic Digital Internship Program by **5x**, kicking off the second cycle with 50 women interns.
  - Created a **health-tech solution called HCAI App**, in association with World Health Organization (WHO), to help healthcare practitioners survey and treat in a timely manner patients with healthcare-associated infections.
  - Joined hands again with KP's Performance Management and Reforms Unit to help with data and enhancements for **Pakistan's largest Open Data portal** that we previously built, making strides towards open data policies and participatory governance.
  - Mobilized the community to help crowdsource real-time information on the 2022 floods in Pakistan, mapping the data on our swiftly developed platform, **FloodLight**.
  - **Established** several **partnerships** whereby our Ushahidi-based FloodLight platform was embedded into our partners' flood relief efforts, such as PakLaunch, Flood.pk, xWave, and Ministry of Change.
  - Upon our request (via FloodLight platform), **communication devices** were provided by Telenor for Madat Balochistan to run their remote **medical camps** in Sindh
  - Submitted a **case study** on our flagship Fellowship Program for International Civil Society Centre's **Innovation Report**. Key staff members were also featured on a **podcast** to discuss the program and its achievements.
  - **Launched our new website** to serve as a platform for us to better tell our story and share our learnings with the community.
  - Held our **first organizational retreat** to enhance team building and brainstorm key strategies in the picturesque peaks of Nathia Gali.

## OUR TEAM



**Ahmad Azfaar**  
Operations Associate



**Ali Raza**  
Director Engineering  
and Technology



**Anam Zakaria**  
VP Fellowships



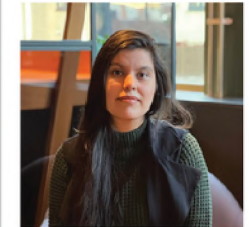
**Bushra Mustafa**  
Program Coordinator



**Fadaiaq Shuja**  
Graphics Designer



**Faisal Shahid**  
Director Operations



**Hira Irfan**  
Communications Associate



**Hassan Mehmood**  
Senior Software Engineer



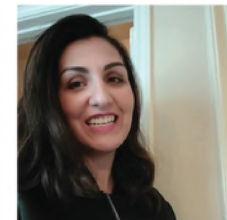
**Ibraheem Saleem**  
Director Fellowships



**Karishma Zakaulah**  
Program Associate



**Khadeeja Balkhi**  
Board Member



**Mahwish Khan**  
Director Partnerships  
and Community



**Mubassir Hayat**  
Manager Engineering  
and Technology



**Munnawar Shah**  
Product Associate



**Muhammad Sohail**  
Full Stack Developer



**Qarib Raza**  
VP Events



**Samina Rizwan**  
Country Director



**Shahzeb Siddiq**  
Government Liaison  
and M&E Associate



**Sheba Najmi**  
Founder and Executive Director,  
Board Chair



**Shaji Ahmed**  
VP Technology,  
Board Member



## OUR PROGRAMS



### **Fellowships and Internships**

Connecting technology professionals with the government to remove barriers to public services



### **Community Engagement**

Facilitating collaboration between citizens and government to develop technology solutions



### **Digital Solutions and Services**

Working with government, public, and private sector organizations to design, prototype, and build better services



### **Civic Academy**

Training government and community innovators to lead digital-driven change in the public sector



## DIGITAL SOLUTIONS AND SERVICES

Our approach to solutions development is always user-centric, employing human-centered design and design thinking methodologies to develop and design the most optimal solution for the intended end users.

Over the years, we have partnered with more than 30 government departments across the federal and provincial levels, developing 50+ digital solutions and services to simplify citizen access to government services and make the government more accessible, open, and transparent.



WEBSITE & MOBILE APP

### Halal Food Authority

- Latest information on food safety
- License for food business/product
- Food business ratings and reviews
- Complaint against food business
- Registration for food safety training programs

DOWNLOAD NOW

GET IT ON Google Play



## DIGITAL SOLUTIONS AND SERVICES

### HCAI App with WHO

Patients sometimes contract infections during treatment procedures called healthcare-associated infections (HCAIs). These HCAIs claim the lives of one out of every 17 infected individuals, surpassing the mortality rates of HIV/AIDS, cancer, and road traffic accidents.

Our HCAI App – an innovative solution aimed at monitoring and reporting HCAIs in hospitals across Pakistan – emerges as a ray of hope. This surveillance application will provide healthcare professionals with a powerful tool to identify, track, and report patients with infections, enabling vigilant monitoring during their stays in healthcare facilities. With easy access and data storage capabilities, the app empowers healthcare professionals like doctors and nurses to generate insights and trends.

Furthermore, planned expansions seek to broaden the app's features and extend its reach to more hospitals, transforming it into a vital weapon in the fight against these life-threatening infections.

The image displays two smartphone screens showing the HCAI app interface. The left screen is the login page, featuring the HCAI logo (Healthcare-Associated Infections [HCAIs] Application) at the top. Below the logo are input fields for 'Username\*' and 'Password\*', a green 'Login' button, and a blue link for 'Forgot password?'. At the bottom, there are logos for WHO and the Government of Pakistan, with the text 'Powered by Code for Pakistan.' The right screen shows the 'SSI' (Surgical Site Infection) reporting form. It has a red header with 'SSI' and a light blue section for 'SURGICAL PROCEDURE'. The form includes a dropdown for 'ICD 10 PCS Code\*', a text input for 'ICD-10 Procedure Code\*', a dropdown for 'Recommended Surveillance Period', and a dropdown for 'Infection Survey Time'. Below these is a radio button question 'Has SSI Been Detected?' with options 'Yes' and 'No'. At the bottom, there are navigation buttons: 'PERVIOUS', 'Step 4 OF 14', and 'NEXT'.

## DIGITAL SOLUTIONS AND SERVICES



**Dr. Nasim Akhtar**

**Assistant Professor**

Infectious Diseases Department  
Pakistan Institute of Medical Sciences,  
Islamabad

“ I would like to extend my sincere appreciation and heartfelt thanks to Code for Pakistan's exceptional team for their invaluable work on healthcare-associated infections (HCAIs). Your unwavering dedication and tireless efforts have paved the way for significant advancements in healthcare outcomes in Pakistan, positively impacting the lives of countless citizens.

The prevalence of healthcare-associated infections poses a significant challenge, both globally and specifically in Pakistan. However, your team's development of a cutting-edge surveillance application to monitor and prevent these infections represents a remarkable leap forward in improving healthcare outcomes across the country.

The impact of this application cannot be overstated. Providing real-time surveillance and prevention measures, the app equips healthcare professionals with the necessary tools to proactively tackle healthcare-associated infections. This not only ensures improved healthcare outcomes but also safeguards the well-being of our citizens.

Code for Pakistan's relentless commitment to leveraging technology for the betterment of society is truly inspiring. The team's solutions serve as a beacon of hope, driving us all to strive for excellence in healthcare. On behalf of myself and the entire healthcare community, I express my deepest gratitude for your remarkable contributions.



## FELLOWSHIPS AND INTERNSHIPS

Code for Pakistan's flagship Civic Innovation Fellowship Program is a unique initiative, run in partnership with government entities like KPITB, Transformation and Excellence Center for Health (TECH), and National Institutes of Health (NIH), and supported by the World Bank. Every year, we handpick talented technology professionals and equip them with the skills and knowledge needed to transform government services.

During our rigorous program, Fellows receive top-notch training, mentorship from industry experts, and invaluable exposure to the inner workings of the government. In partnership with government departments, the Fellows work on projects that make a significant difference in the way governments serve their people, placing citizens at the heart of it all.

So far, we have completed 7 cycles of the KP Government Innovation Fellowship Program and have developed over 45 solutions as a result.



## FELLOWSHIPS AND INTERNSHIPS



The graphic features a central text area with a background of faint images of women. On the left, there is a stylized purple and white fan-like shape and an illustration of a woman in a purple dress holding a large yellow lightbulb. On the right, there is an illustration of a woman in a purple dress sitting on a blue stool with a laptop. The text is centered and reads:

**KP**  
**WOMEN CIVIC**  
**Digital Internship Program**  
 Engage. Educate. Empower.

#KPWomenInterns  
 #KPWomenChangemakers

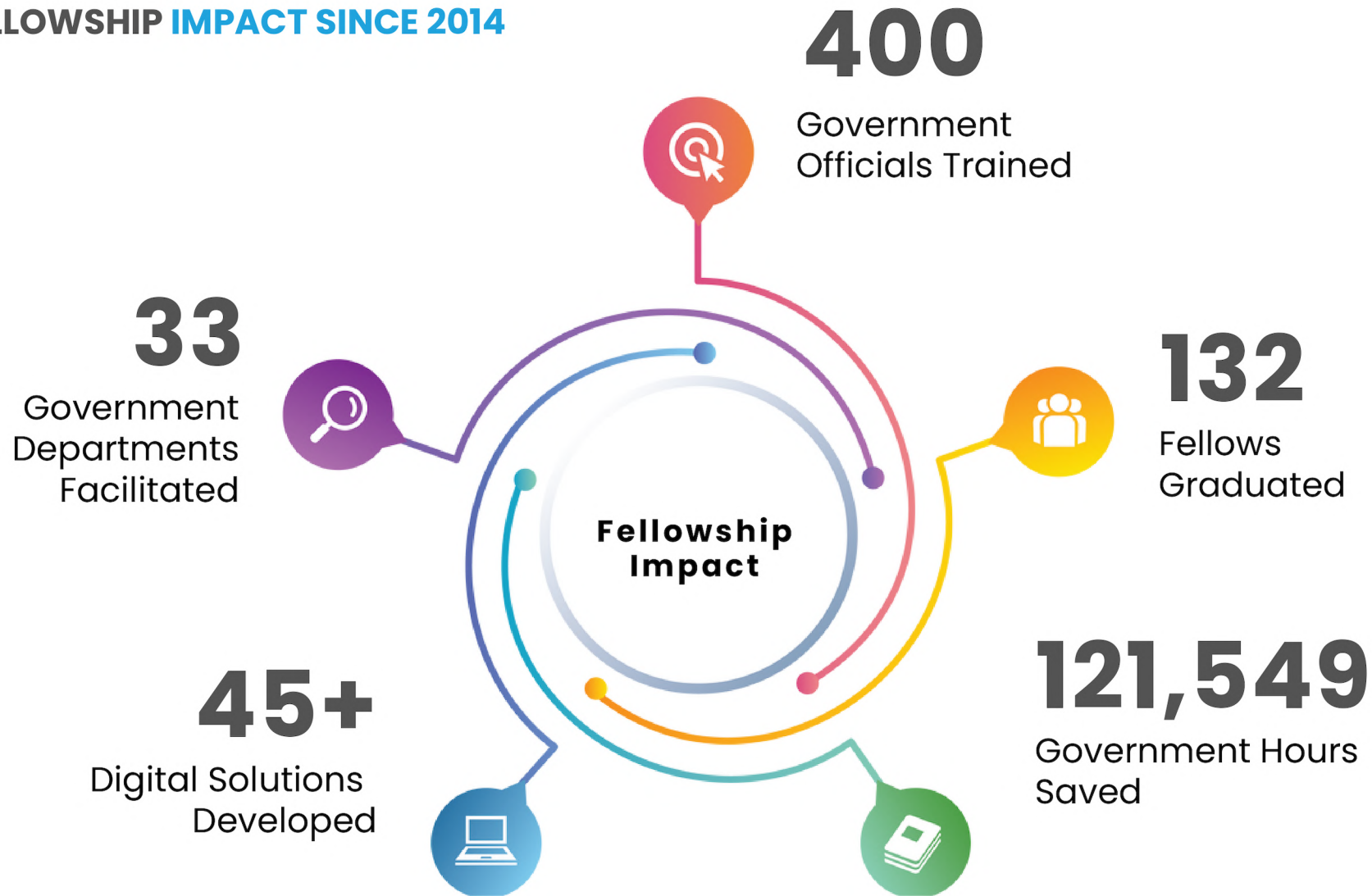
The KP Women Civic Digital Internship Program is a 6-month program supported by the KP IT Board and The World Bank. The Internship Program has been designed to upskill women graduates with technology skills, provide practical hands-on work experience, and prepare them for exploring a career in Engineering, IT, and Software Development.

Women Interns accepted into the program get an opportunity to work on citizen-facing digital services to improve citizen engagement, automate government processes, and create innovation in public service delivery.

These digital services help address problems in various public domains, such as economic development, healthcare, open data, citizen engagement, transportation, education, etc.

The Internship Program also offers blended learning, customized mentorship, and career counseling from top industry professionals. Interns have the opportunity to improve their technical, soft and leadership skills within the Internship Program.

## FELLOWSHIP IMPACT SINCE 2014





## 7TH CYCLE FELLOWSHIP PROJECTS

**01** [Case Management System](#) for the KP Advocate General Office

**02** [Online Mercy Petition System](#) for the KP Inspectorate General Prisons department

**03** [Business Registration and Citizen Feedback App](#) for the KP Food Safety and Halal Food Authority

**04** [Monitoring and Evaluation System](#) for the KP IT Board

**05** [Lab Information Management System](#) for the KP Directorate of Livestock and Dairy Research

**06** [Online Complaint Redressal System](#) for the KP Public Safety and Police Complaints Commission

## OUR STORIES – KP FELLOW NAJEEBULLAH

Najeebullah's story is one of resilience, hope, and the transformative power of education. Born and raised in North Waziristan, Pakistan, he was forced to leave his home in 2014 due to a military operation. Along with millions of internally displaced people, Najeebullah sought refuge in Bannu.

Despite the challenges, Najeebullah remained determined. He pursued a Master's in Computer Science and discovered his passion for IT. Offering his services to local clients and honing his skills, he supported himself and his studies. After six years, Najeebullah returned to North Waziristan in 2020, only to find his village still rebuilding and lacking internet access.

Undeterred, Najeebullah found a job in Islamabad and became involved in the startup ecosystem. Through connections in Peshawar, he learned about the KP Government Innovation Fellowship Program, which became a turning point in his journey. The Fellowship provided him with opportunities to learn project management, client services, and government relations. Najeebullah gained confidence and expertise through meetings with government departments, guided by the supportive KP Fellowship management team.



### How an IT whiz from Waziristan is using his skills to transform KP through technology

Najeebullah's passion for IT and education extends to advocating for the next generation. He encourages young people from his village to pursue IT and offers inspiration as the one of the few people in his village with an IT education. His impact in Peshawar includes his work on a Monitoring and Evaluation System with KPITB, streamlining workflows and providing oversight to government departments.

Najeebullah's journey exemplifies resilience and determination. His passion for IT and education enabled him to overcome displacement and rebuild his life. His story is a testament to the limitless possibilities of education and the strength of the human spirit. It serves as a reminder that with hard work and dedication, anything is achievable.



## OUR STORIES – KP WOMEN CIVIC INTERN **HAJIRA ASAD**

Hajira, born into a life of comfort and prosperity, always felt a longing for something more. She yearned to forge her own path and achieve something extraordinary. Despite facing opposition from her family, she made the bold decision to study software engineering and proudly graduated with a BSc after four years of dedication and hard work.

During the challenging time in her life between marriage and relocation to Peshawar, Hajira received the offer to join Code for Pakistan's KP Women Civic Internship Program. Hajira's husband became her pillar of support, encouraging her to seize this opportunity and explore her passion.

Hajira was soon juggling the responsibilities of being a new mother and navigating the demands of the internship program. With the guidance and support of her mentor, Mian Aizaz, she learned to strike a balance and conquer her moments of self-doubt.

Even amidst the guilt that sometimes plagued her as a mother, she persisted, utilizing her baby's nap times and evenings to focus on her internship tasks.



### **A journey towards the extraordinary: how Code for Pakistan intern Hajira Asad beat the odds to follow her dreams**

Through the Internship Program, Hajira was exposed to numerous online sessions led by industry professionals. Topics ranged from communication skills to freelancing for beginners to civic technology. It was an enriching experience that allowed Hajira to enhance her practical skills. She was given the opportunity to showcase her talent by designing the website frontend for the Halal Food Authority's online page. Hajira deeply cherishes the valuable experience she gained through the internship program and remains hopeful for what the future holds. Armed with newfound knowledge and skills, she aspires to further develop as a frontend designer, utilizing her talents to make a lasting impact in her field.



## COMMUNITY ENGAGEMENT

Community mobilization lies at the heart of civic tech. Code for Pakistan organizes civic hackathons, hack days, and various other community events to bring together technologists, researchers, designers, and social domain practitioners to collaborate and innovate to find solutions for different community problems.

In addition, Code for Pakistan also supports Civic Innovation Labs across Pakistan, where groups of volunteer community members meet regularly to collaborate with government, nonprofits, and media organizations on technology, data, policy, and design projects that strengthen their communities.



## COMMUNITY ENGAGEMENT

# FLOODLIGHT

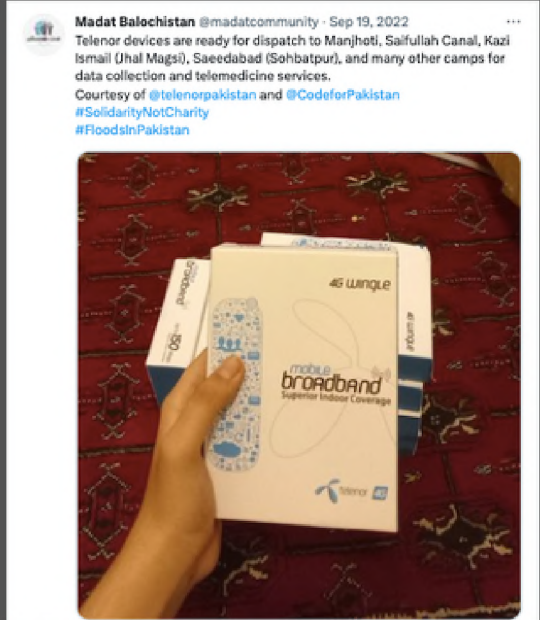
### Flood Response With FloodLight

This year, our community came together like never before. When the devastating floods hit in 2022, our team developed an online platform called FloodLight, overnight, using the open-source tool called **Ushahidi**. This crowdsourcing platform showcased the floods' impact on Pakistan's map and offered real-time information about relief camps, medical facilities, fundraisers, soup kitchens, water filtration plants, and more.

We were driven to create FloodLight because of the lack of clear information about the floods' status, and we hoped our platform would resolve this issue. To make a more significant impact, we partnered with other community initiatives such as PakLaunch, Floods.pk, on-ground volunteers, and NGOs like ALKhidmat and Akhuwat. Along with reaching out to people in our circles, we launched a social media campaign and asked our tech team to integrate hashtags from Twitter to help us gather more vital data for the platform, enabling faster relief operations across Pakistan. Thanks to the public's help, we collected more than 1,100 data points on FloodLight in three months. Starting small with basic features, we continuously upgraded FloodLight's offerings. Now, as we move forward, we aim to evolve FloodLight into a comprehensive disaster management platform.



# COMMUNITY ENGAGEMENT



We connected aid workers with those in need of urgent help

## FloodLight

A Code for Pakistan initiative to Crowdfund the flood-related data from the 2022 Floods in Pakistan.

Please Note: The following information is publicly available data gathered on the FloodLight platform. Kindly check with the respective contact persons and verify information regarding organizations, camps, shelters, etc., especially before donating.

- Relief Camps / Shelters 182
- Relief Needed 92
- Flooded/Affected Areas 146
- Relief Collection Points 125
- Fundraisers / ...

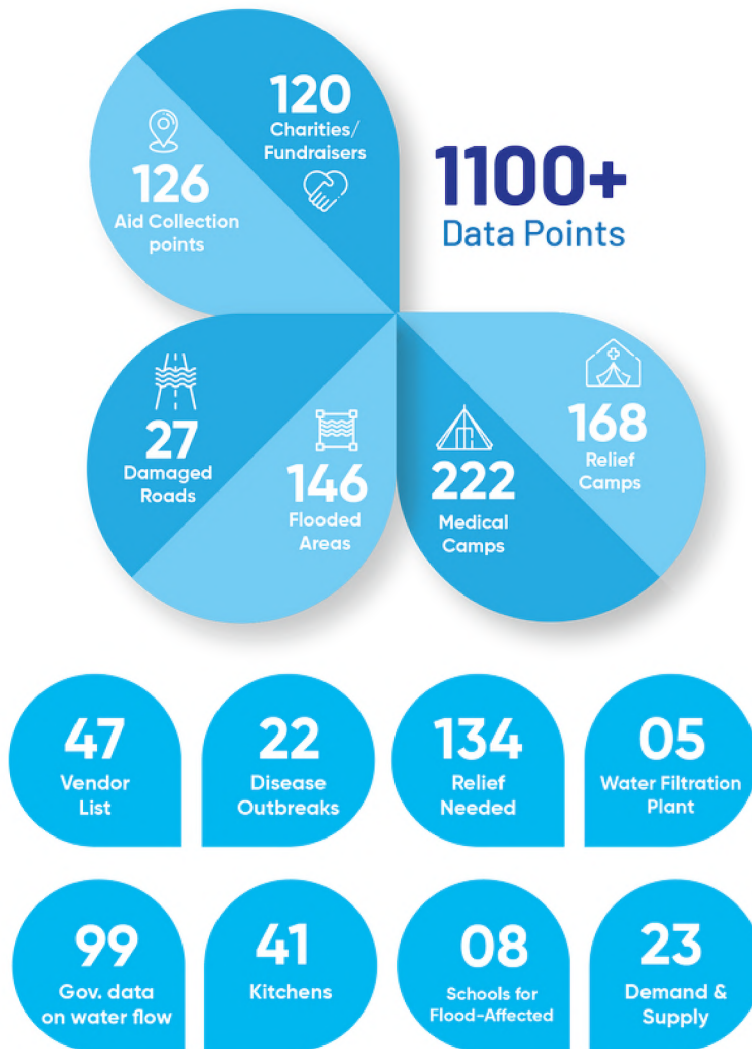
0 SORT & FILTER

## 1100+ data points

crowdsourced via social media, SMS, and word-of-mouth



## COMMUNITY ENGAGEMENT



See how the floods have impacted Pakistan:

[tiny.cc/floodlight](https://tiny.cc/floodlight)

**FLOODLIGHT**



## **CIVIC ACADEMY**

### **Launching in 2023**

We're excited to drive a new era of learning with Civic Academy.

Our bespoke programs, launching in 2023, will enable public and private sector with knowledge and skills to effectively perform their duties and serve the public.

Civic Academy aims to empower purpose-driven individuals to tackle societal challenges through effective and innovative solutions.



## FIRST ORGANIZATIONAL RETREAT



# Nathia Gali

#CfPhacksNathia

This year, we held our first-ever organizational retreat in the picturesque green mountains of Nathia Gali. Surrounded by the peace and beauty of nature, our team had the opportunity to unleash collective creativity, crafting innovative strategies to elevate our endeavors and scale new heights.

The inspirational experience allowed us to nurture team bonding and collaborative thinking, and it ignited renewed passion to achieve greater milestones.





## PARTNERS FOR SOCIAL CHANGE



## MEDIA REPORT



The [graduation ceremony](#) for the 7th cycle of the KP Government Innovation Fellowship Program and the pilot cycle of the KP Women Civic Digital Internship Program, drew media coverage from [VOA Deewa](#), [ProPakistani](#), [The Nation](#).



Samina Rizwan (Country Director) [spoke on](#) 'Why Not-for-Profit Tech is Important for Participatory Good Governance' at +92Disrupt, Islamabad Edition.



Mubassir Hayat (Manager of Engineering and Technology), was featured on a Dawn News [live telecast](#) where he talked about FloodLight and appealed to the community to help populate the platform with data.



Anam Zakaria (VP Fellowships), Ibraheem Saleem (Director of Fellowships), and Bushra Mustafa (Program Coordinator) delivered a [lightning talk](#), titled "Breaking Barriers of Mobility and Access for Women in Civic Tech," at the Code for All Summit.

## MEDIA REPORT



Samina Rizwan (Country Director), Ali Raza (Director Technology and Engineering), Mahwish Khan (Director Partnerships and Community), and Sheba Najmi (Founder and Executive Director) gave a **presentation** on FloodLight to OPEN Silicon Valley (SV).



Ibraheem Saleem (Director of Fellowships), was a **panelist** on the "Digital Dialogue" curated by the International Civil Society Center on "How to move from consultation to co-creation with (user) communities."



Sheba Najmi (Founder and Executive Director), participated on a panel, "Disaster Management Through Technology," held by OPEN SV in California, USA. The talk highlighted FloodLight and its value as a platform for the community to access information during natural calamities such as the 2022 floods in Pakistan.



## PLANS FOR 2023



Code for Pakistan is gearing up for an exciting year ahead as we celebrate 10 years of making a difference through technology.

We have a lot planned for 2023, with distinct programs designed to strengthen our mission and vision. In the upcoming year, we look forward to launching a civic tech podcast and new initiatives under the Civic Academy and Community Engagement programs, as well as expanding the impact of digital services as we continue to create technology solutions for the civic good.

Together with your collaboration and support, we are excited to embark on the next decade with new projects that further enhance our impact and create a brighter future for all!



## Connect With Us!

Follow us on social media, or email us at  
[info@codeforpakistan.org](mailto:info@codeforpakistan.org)

<https://codeforpakistan.org/resources/annual-report-2022>

[www.codeforpakistan.org](http://www.codeforpakistan.org)

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