

# The Growing Threat of Urban flooding in Pakistan: Causes, Consequences, and Solutions.

## Outline

- Thesis Statement
- Introduction
- The Growing Threat of Urban flooding in Pakistan **Need proper organization**
- Causes
- Consequences
- Solutions
- Conclusion. **Plz organise in a better way and make more formal language**

## Arguments:

- 1) Weak governance
- 2) Lack of accountability
- 3) Unplanned urbanization
- 4) Irregular river flows
- 5) Corruption in urban development projects
- 6) Insufficient use of technology
- 7) Inadequate infrastructure design
- 8) Uncoordinated institutional roles
- 9) Climate change
- 10) Poorly maintained drainage systems
- 11) Lack of early warnings
- 12) Deforestation

## Thesis Statement:

It is evident that causes of urban flooding in Pakistan, leading to severe consequences that can be addressed through pragmatic solutions.

*You can make it more specific*

## Introduction:

Floods are acts of God but flood losses are largely acts of man. These wise lines are uttered by the ~~wise~~ father of floodplain management. Natural events ~~cause~~ are caused by excessive rainfall, river overflow, or storm surges that inundate land and settlements are called as floods. As the quotation emphasizes that while floods may be natural, the scale of their negligent devastation is often determined by human

negligence and poor management. In the context of Pakistan, there are many factors that are causing the ~~gr~~ threat to urban flooding in Pakistan. Factors like existing weak governance, lack of accountability, inadequate infrastructure designs and uncoordinated institutional roles.

~~Avoid writing in confusing punctuation and too many lengthy sentences plz~~. In similar way, causes like lack of early warnings, poorly maintained drainage systems, and deforestation are also ~~too causes~~ resulting in urban flooding. Therefore, it is evident that causes like weak governance, insufficient use of technology and unplanned urbanization are the ~~existing threats~~ ~~existential threats to~~ to urban flooding in Pakistan.

**The Growing threat of urban flooding in Pakistan: Causes**

a) **Current weak governance:**

One of the major <sup>cause of the</sup> growing threat of urban flooding in Pakistan is the existing weak governance.

Plz break such lengthy sentences into short one

(4)

16<sup>th</sup> June 23

weak governance contributes significantly to urban flooding in Pakistan because of the poorly maintained and clogged drainage systems which cannot handle even moderate rainfall. ~~and increases the intensity of flooding~~ ~~which are~~ ~~responsible for~~ ~~the~~ ~~failures~~ ~~in~~ ~~governance~~ ~~been~~ ~~pointed~~ ~~out~~ ~~causing~~ ~~flooding~~ ~~because~~ ~~of~~ ~~the~~ ~~choke~~ ~~drains~~ ~~which~~ ~~shows~~ ~~that~~ ~~passes~~ ~~the~~ ~~failures~~ ~~in~~ ~~governance~~

### Lack of accountability:

The second major cause of urban flooding in Pakistan is the lack of accountability by the multiple agencies. Government entities like municipal, provincial and federal are performing no role and preventing measures like drain maintenance, enforcing by laws and issuing regulations resulting in the threat to environment. ~~in~~ ~~the~~ ~~area~~

Development Bank Pakistan National Urban Assessment ~~report~~ 2024

Statistics about Lahore losing green cover heavily in 2010-2017; aging and overburdened drainage system, which

probes made me lack of accountability

of " + a lot of people" 12

Urban flooding in Tasmania.

## The disorganized/unplanned urbanization

The disorganized and unplanned

urbanization has also been the foremost

cause of urban flooding is

Pakistan. Due to increase in the

population of the city, government

is unable to originate the required

Natural drainage systems are

removed in order to construct new

buildings. The ~~World Bank~~ Government

PDNA quantifies enormous damage

from heavy rains and floods that

increased losses in cities in 2022

floods. Hence it is proved

that unplanned urbanization is

also a threat to urban

floodings in Palestine.

## Consequences:

### Urban flooding resulting in loss of lives:

One of the major consequence of urban flooding is the loss of lives. It often leads to drowning, collapse of weak housing, and displacement of vulnerable communities living in informal settlements.

During the Kanchi urban floods of August 2010, at least 41 people lost their lives due to flooding.

## Economic Damage to Infrastructure:

Urban flooding primarily leads to the economic damage to infrastructure. The flow of the water during the floods destroys the weak buildings resulting in the huge economic and property loss. The floods of 2010, Post Disaster Needs Assessment (PDNA) estimated US \$25 billion in damages to infrastructure.

## Solutions:

### Restoration of Natural Drains:

There are multiple solutions to the consequences of urban flooding like restoring of natural drains. Removing encroachments and rehabilitating natural drainage can decrease the risk of floods. After 2020 floods, authorities stressed the urgent need to clear nala to prevent blocked drainage.

### Investment in urban infrastructure:

One of the <sup>other</sup> solutions to solve the

issue of urban flooding is to invest in urban infrastructure.

Sewage systems can be upgraded to bear the flow of flood water.

The Pakistan floods 2022 PDNA explicitly recommends strengthening of urban infrastructure to avoid the damage and loss in the Pandemic period.

## Conclusion:

~~No doubt that you can't be~~  
Inadequate infrastructure, Poor governance and lack of accountability are threats to urban flooding in Pakistan which has multiple consequences but can be ~~overcome~~  
~~by implementing some programs~~  
~~Solutions.~~ Factors like uncoordinated institutional roles, the climate change, and insufficient use of technology always a major role in causing urban flooding.

On addition, causes such as corruption in urban development projects, poorly maintained drainage systems, and lack of early warning systems leads to urban flooding. Not to mention that it results in ~~the~~ ~~Certainly~~ severe consequence including damage to the infrastructure, economical loss, and loss of lives. Moreover it also ~~disastrously~~ effects

Date: \_\_\_\_\_

Day: \_\_\_\_\_

the health and environmental degradation. However, mitigation is possible, and these consequences can be reduced through targeted solutions like developing infrastructure, improving drainage systems, and implementing smart urban planning.

