

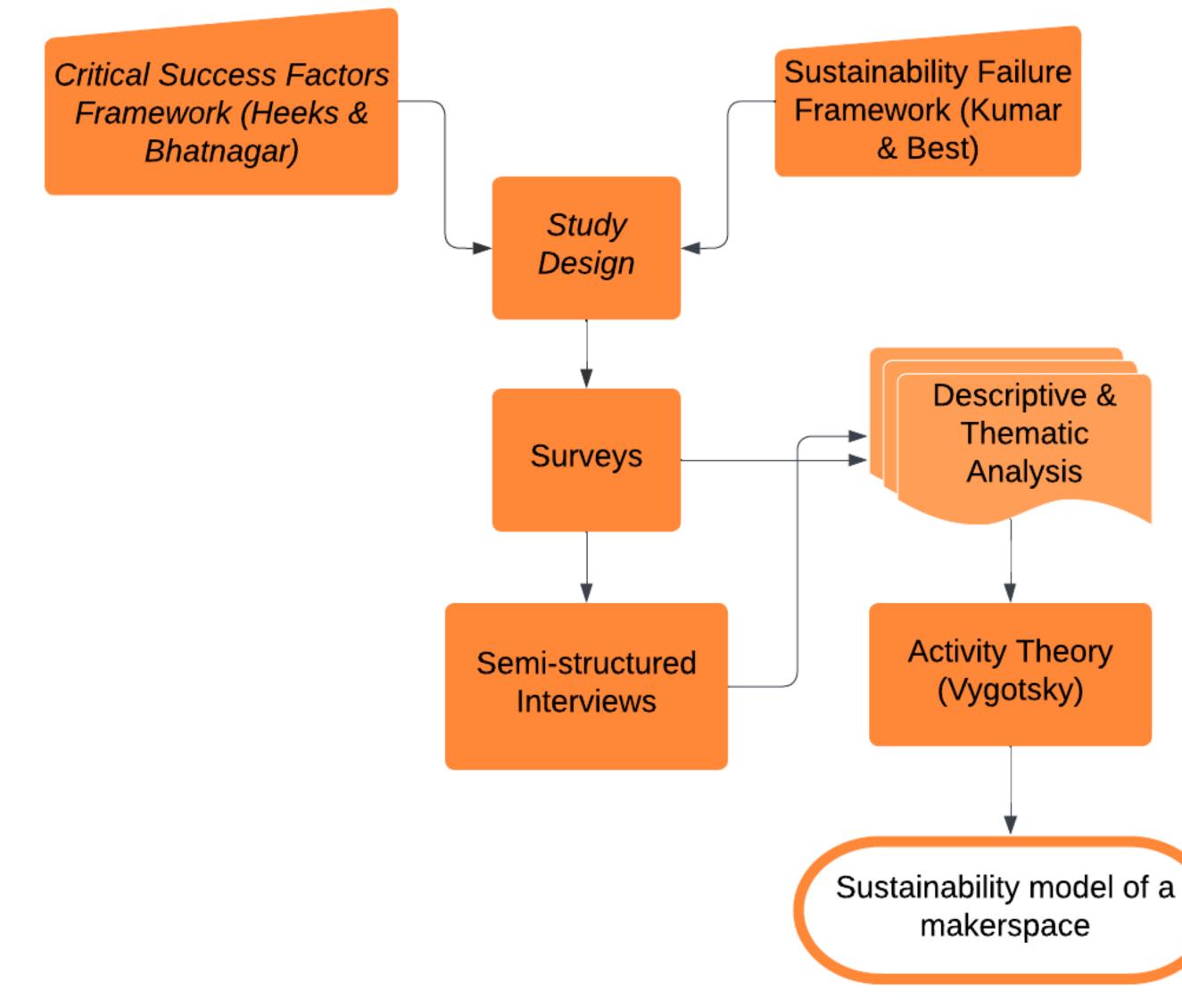
## INTRODUCTION

Makerspaces play a significant role in promoting community-based learning, entrepreneurship, and STEM education. Unfortunately, many of these spaces face difficulties and often fail to survive.

## **RESEARCH QUESTION**

#### How management of a makerspace view sustainability?

## METHODS





# Sustainability model of a makerspace Mizan Rahman, HCC PhD (2<sup>nd</sup> year), Advisor: Dr. Michael Best

## PARTICIPANTS

81 Surveys

QUOTES

I'm not sure we're

pay rent.

sustainable because we

work our butts off and

make enough money to

makerspaces are ultimately a reflection of the community that exists around them

people aren't really hanging around here in the summer. how do we make summer are not so ugly for us?

Volunteers are working for free. So you got to pay them in gratitude

### THEMES

culture

rent

community people lack of business knowledge space utilization

living wages

volunteers

process & policy

Most of these places don't make money.

purpose of a makerspace is to create a place where both creation and innovators can come together, they're like minded

getting the community getting the people in the community to come and stay is a real is a real tough one.

They're there for the social environment



I don't think that tools are all that important .... BUT People are ....

> a lot of makers make makerspaces. But really, there's a good part of it, that is Business Administration, and that's where we were lacking.

Sustainability is to be able to survive by paying bills and meeting the mission statement

management

# RESULTS

The Makerspace functions as a microorganism - it requires several factors to work together systematically when achieving equilibrium (sustainability).

Our study shows that the sustainability model of a makerspace could be modeled as a system consists of two layers: core and support.

The core layer of a makerspace is made up of people, tools, and community bonded by a shared culture..

Management, processes, and finances must support and protect the core.

