

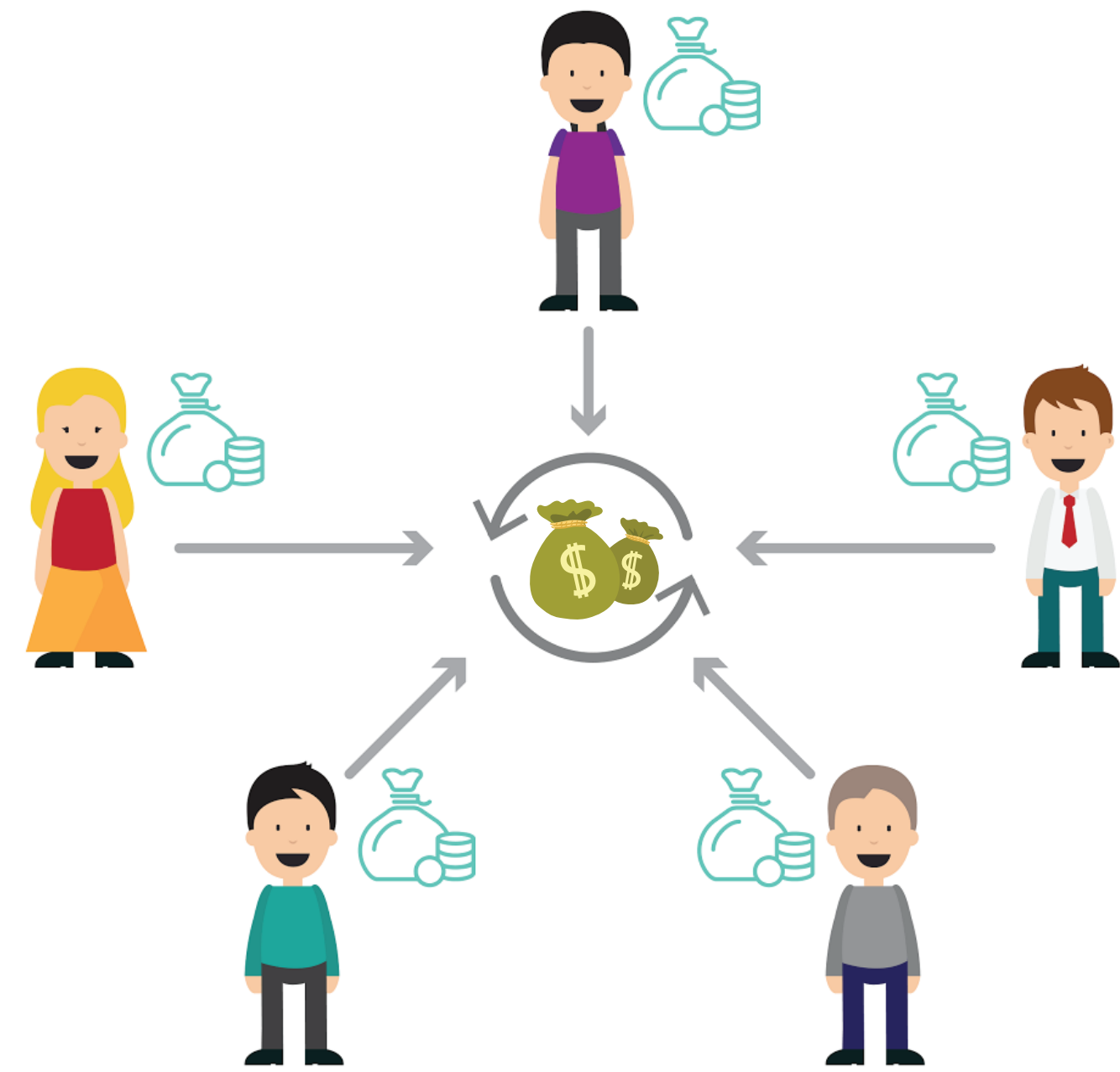
Authors | Hamid Mehmood<sup>1</sup>, Lubna Razaq<sup>1</sup>, Jennifer Webster<sup>2</sup>, Amna Batool<sup>1</sup>,  
Maryam Mustafa<sup>1</sup>, Agha Ali Raza<sup>1</sup>, Richard Anderson<sup>2</sup>

<sup>1</sup> Information Technology University, Lahore, Pakistan

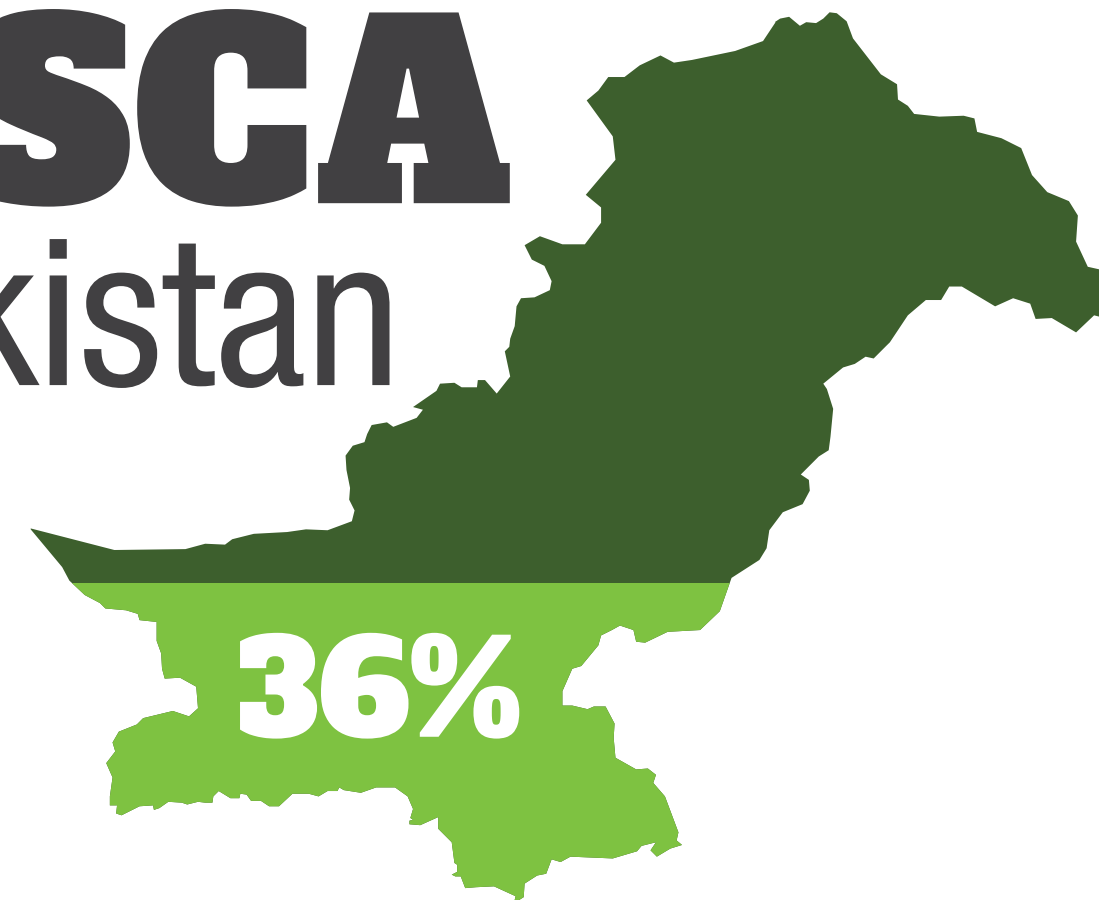
<sup>2</sup> University of Washington, Seattle, USA

## What is ROSCA?

Rotating Savings and Credit Association



## ROSCA in Pakistan



36 % people in Pakistan save money.



Out of 36 %, 33% save through ROSCAs.

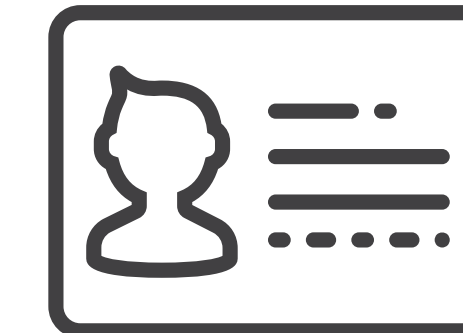


Females are twice than men in ROSCAs

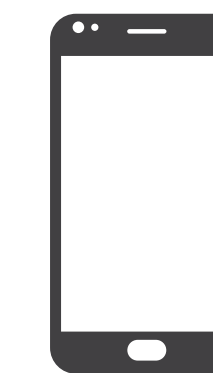
## Pakistan is DFS Ready Country

### DFS Prerequisites

90 % Pakistani's have government issued identity cards.



Smartphone penetration is 34% and expected to grow 51 % by 2020.



47 million people in Pakistan use 3G/4G



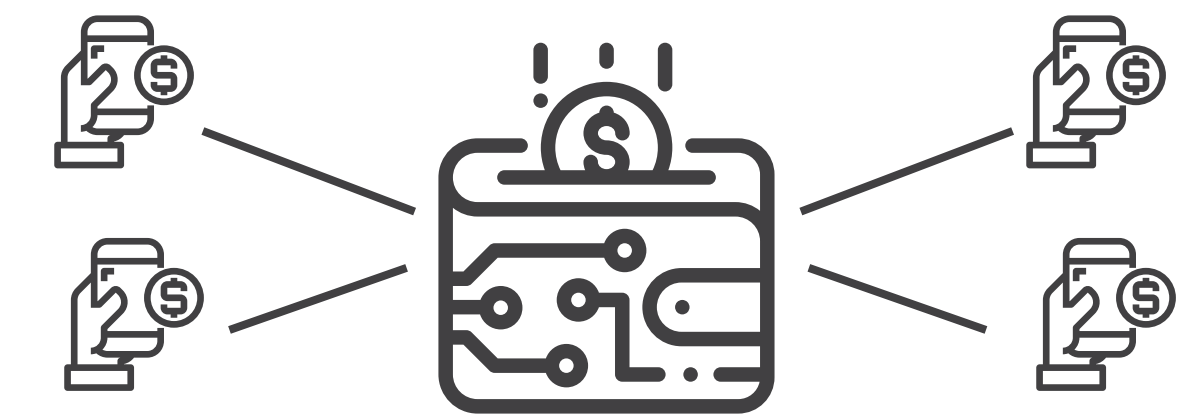
## Research Questions

**Social Capital:** How to Integrate Social Capital in Digital ROSCAs?

**Gender:** How Gendered Issues affect the Digitization of ROSCAs?

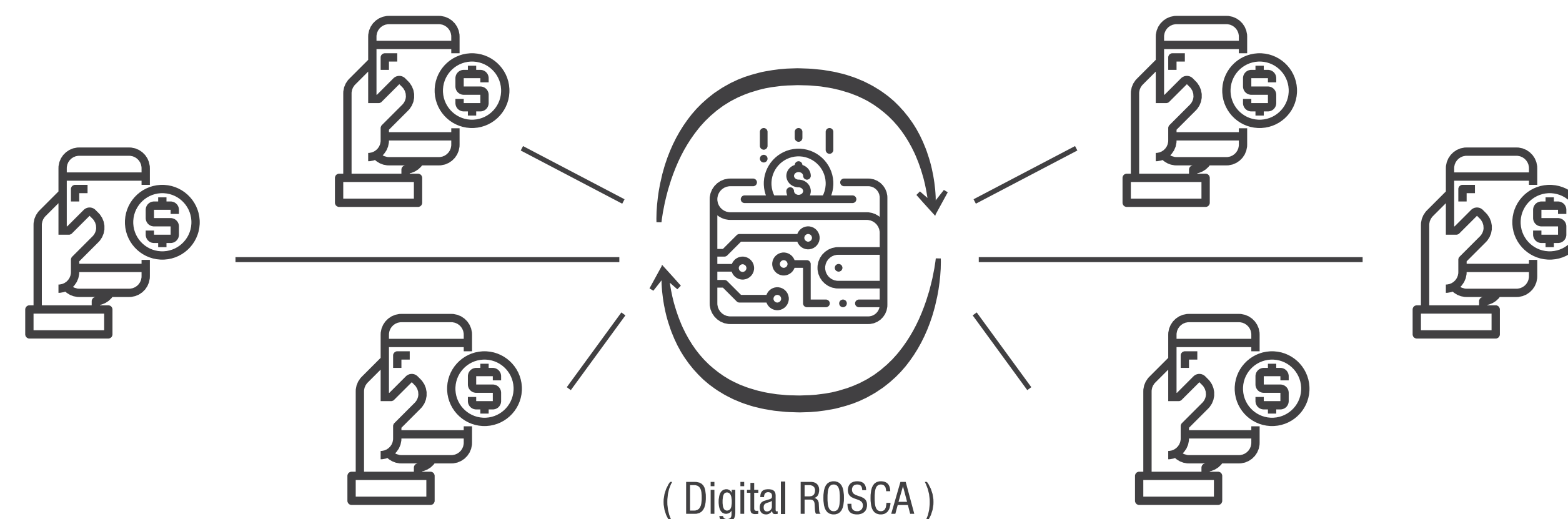
**Religion:** How to Design Digital ROSCAs in Context of Islamic Society?

**Modality:** Which segments are ready to adopt the Digital ROSCA?



## Problems with Existing ROSCAs

- Record Keeping
- Frauds and Defaults
- Privacy and Security of ROSCA Money
- No Payment History



## Benefits of Digital ROSCAs

### ROSCAs

- Streamlining Record Keeping Issues
- Physical Cash replaced with Digital Money
- Overcoming frauds by keeping track of payment
- Building Credit Ratings for Future Loans