# Introduction Problem Statement, Objective(s) of the work

* **Introduction**
* Crowdfunding has emerged as a powerful method for raising capital from a large number of individuals,typically via online platforms.Traditional crowdfunding platforms, however, are often centralized,requiring users to place their trust in a single intermediary that manages funds,enforces rules,and governs interactions between project creators and backers.
* These centralized systems are susceptible to issues such as high fees, lack of transparency, censorship, fraud, and single points of failure.
* A Decentralized Application (DApp) for crowdfunding leverages blockchain technology and smart contracts to eliminate the need for a trusted third party.By operating on a decentralized blockchain, such as Ethereum, the DApp allows for direct, peer-to- peer interactions, greater transparency,and automatic enforcement of campaign rules via smart contracts. This ensures secure and trustless transactions,democratizing access to capital while protecting both fundraisers and contributors.

# Background and Motivation

* Traditional crowdfunding platforms like Kickstarter or GoFundMe have shown the viability of collective funding models. However, they come with limitations:
* **Centralized Control :** These platforms act as gatekeepers, with the authority to approve, suspend, or alter campaigns.
* **High Fees:** A significant percentage of raised funds can be lost to platform fees and payment processing charges.
* **Limited Transparency** : Contributors have limited visibility into how funds are being managed or spent after a campaign is funded.
* **Geographical Restrictions :** Not all users worldwide have equal access to use or launch campaigns on centralized platforms.
* Blockchain technology offers a compelling alternative. With smart contracts, crowdfunding rules can be coded and enforced automatically.
* For example, funds can be released only when specific milestones are met, or refunded automatically if a campaign fails to reach its goal.
* The motivation behind building a DApp for crowdfunding lies in creating a more transparent, secure, and inclusive funding environment.
* It empowers users to raise or contribute funds with confidence, knowing the rules are enforced programmatically
* and the system is not controlled by any single party.