

Application for LY B. Tech Project

Department: Computer Science

Department Thrust Area: Blockchain

Title: [Smart Crowdfunding using Blockchain](#)

Category: Departmental Internal

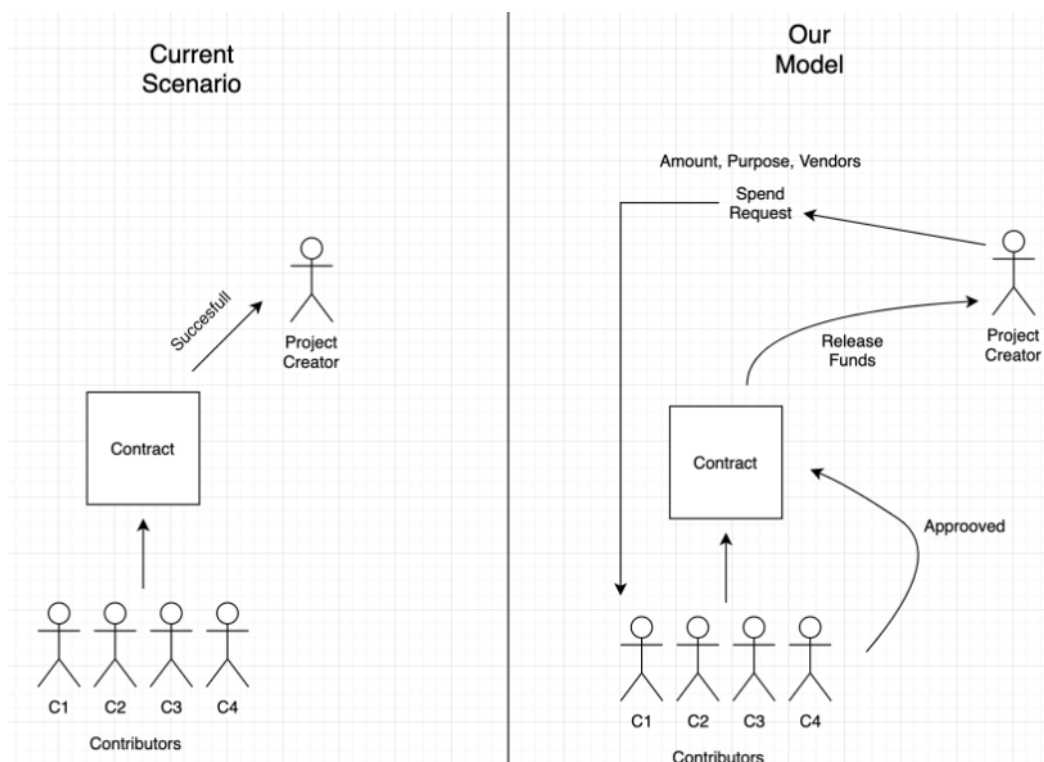
If External attach details with letter from the external organisation for permission to do project / thesis

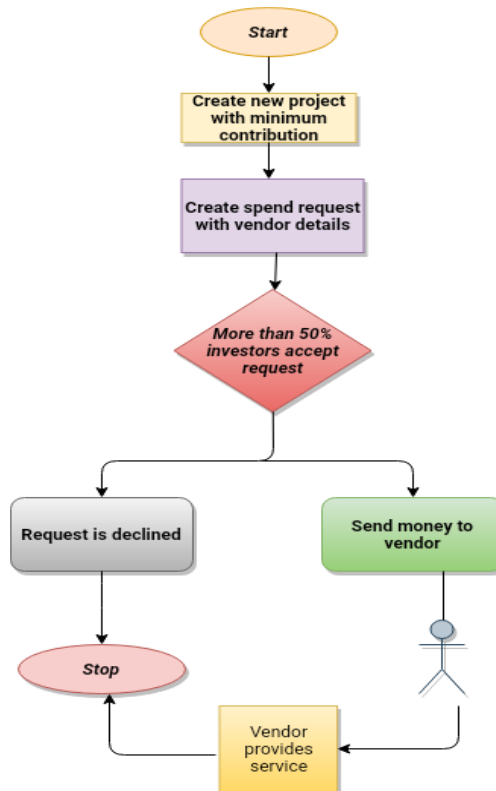
Whether will receive finance from any agency: No

Objectives of the project in brief (attach separate sheet if required)

As of today, crowdfunding platforms have accountability and trust problems. In many cases, money from donors/philanthropists has gone into wrong campaigns and has been misused. Implementing a blockchain-based platform can bring in a change. With this project and blockchain smart-contracts, donors would be informed about the payments to be processed by the Fundraiser through request money forms. A smart contract helps to block the funds within blockchain until the campaign organizer makes progress in the campaign.

- With the help of our application people would be able to create campaigns to raise fund for natural calamities, start-ups or any other social/personal causes. Similarly, on other end general public can donate funds for these campaigns.
- Our application goal is to create a transparency between donors and the campaign organizers in the respect of how the money is spent and where it is spent.
- The organizers would not be able to spend the money without informing to the donors about the details of spending.
- We aim to accomplish decentralized crowdfunding application using blockchain and smart contracts.





LITERATURE SURVEY:

Venturing Crowdfunding using Smart Contracts in Blockchain [1]: Referring to his paper, this paper proposes the blockchain based crowd funding by using which the platform can give a private, secure and decentralized path for crowdfunding. The main objective of this paper is to let investors contribute to any project effectively by creating smart contracts through which the contributors can have a control over the invested money and also both the project creators and investors can effectively make and reserve funding for the project. After deploying the project, a decentralized web app was created with a frontend for creating a new project, contributing to a project, creating a new request, approving a request and finalizing a request.

With the evolution of blockchain, this proposed work have a bright future and a large scope for improvement and evolution. We aim to progress further in an easier and safer way for all ideas that are achieved through the proposed crowdfunding application.

TECHNOLOGIES TO BE USED:

- Meta-mask
- Solidity (Smart-Contract)
- Web Development Technologies (Node.js, MERN stack)
- Ganache
- Truffle
- Web3.js

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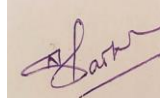
SCOPE:

- The project is to be limited for Relief Fund Raising initially. If the project goals are achieved before the deadline, we will then add the crowdfunding functionality for start-ups too.
- The project aims to notify all the donors where the payment for a particular amount is to be made by the Fundraiser but the project does not provide post-payment tracking of the funds for now.

REFERENCES:

- [1] [Venturing Crowdfunding using Smart Contracts in Blockchain | IEEE Conference Publication | IEEE Xplore.](#)
[2] [Proposed Solution for Trackable Donations using Blockchain | IEEE Conference Publication | IEEE Xplore](#)

We declare that the proposed work is based on our and / or others' ideas which will be adequately cited and referenced in the reports. We also declare that we will adhere to all principles of intellectual property, academic honesty

Roll No.	Names of the students	Branch	Email Id and Mobile no.	Signature of the Student
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	@Name	Dept. / organisation	Signature
Guide	Prof. Swapnil Pawar	COMPS/ KJSCE	

@ In case of external guide give mobile no. and email id.

Date

Signature of IRRC Committee Member/s

- All the student members of the group must have understanding in all respect towards the execution, completion and evaluation of project work
- Both guide and co-guide must have understanding in all respect towards the execution, completion and evaluation of project and will work as an examiner for all the intermediate examinations including final defense. The co-guide can be other than KJSCE.
- For interdisciplinary project there will be one Guide as principle investigator and there can be 1-2 co-guides depending upon the project.
- For interdisciplinary project there will be intermediate evaluation / final defense organised by the parent department of the guide.

Time line chart for project / thesis work completion

Task (to be filled by the students at the time of IRRC approval)	Comment of guide about actual results / progress / level of work completed	Signature of Guide / Co-guide With date

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July Second fortnight			
August First fortnight			
August Second fortnight			
Sept. First fortnight			
Sept. Second fortnight			
Oct. First fortnight			
Oct. Second fortnight			
Nov. First fortnight			

The objectives which will be achieved before VII semester examination

Time line chart for project / thesis work completion

	Task (to be filled by the students at the time of IRRC approval)	Comment of guide about actual results / progress / level of work completed	Signature of Guide / Co-guide
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			With date
Jan. Second fortnight			
Feb. First fortnight			
Feb. Second fortnight			
March First fortnight			
March Feb. Second fortnight			
April First fortnight			
April Second fortnight			

The objectives which will be achieved before VIII semester final defense
