



# SMART INDIA HACKATHON 2022

**Problem Code – DR715**

**Problem Statement: To develop an integrated and robust online platform for the researchers providing the information and relevant details about national/international research grants**



# TEAM DETAILS

**Team Leader Name: Amogh Garg**

Branch :Btech Stream : CSE Year : II

**Team Member 1 Name: Adarsh Kumar**

Branch :Btech Stream : CSE Year : II

**Team Member 2 Name: Shubham Sharma**

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**Team Member 3 Name: Amrisha Das**

Branch :Btech Stream : CSE Year : II

**Team Member 4 Name: Mokshi Sharma**

Branch :Btech Stream : CSE Year : II

**Team Member 5 Name: Vishal Verma**

Branch :Btech Stream : CSE Year : II

**Team Mentor 1 Name: Dr. Mohinder Pal Singh Bhatia**

Category :Academic Expertise : Software Engineering, Operating Systems for software submissions Domain Experience: 30+ years

**Team Mentor 2 Name: Dr. Pinaki**

Category :Academic Expertise : Software Engineering, Operating Systems for software submissions Domain Experience: 20+ years



# PROBLEM

“There are many Governmental and Non-Governmental sources of grants for undertaking research in Colleges and Universities. Lack of information in one platform about the institution granting funds, criteria of selection, norms and stipulations, time period, purpose for which grants are available, last date, eligibility criteria for all the grants available at International, National levels and local and subject-wise details, is inhibiting several potential researchers from availing the grants for undertaking research projects. Provision of such a platform would be useful in enabling healthy competition among researchers and also for the best utilization of funds for research programs.”



# SOLUTION

The idea that drives this project is creating awareness and making it easy for students to find all the information related to all the grants at one place. Organizations providing monetary benefits do not find suitable candidates due to lack of knowledge and reach. On the other hand, people who are eager to discover new things and carry out research remain unaware about such organizations and as a result fail to avail such grants.

The idea behind this software is that of a platform where both, the organizations as well as people can come together, find and help each other to the best of their interests. On the platform organizations can post the opportunities and students who follow that particular organization can see the posts timely, ask queries regarding that and apply for that grant also.



The user will first need to register, if they have already registered they will log in which will lead them to the homepage.

They will have two options to proceed ahead :

**i) as a student**

**ii) as an organization**

as a user they will have 4 options in front of them:

**option 1:** View Research Posts - where one can apply for a grant, ask queries to an organization and share a post.

**option 2:** They can apply filter based on a particular organization, research grant amount, field of interests

**option 3:** They will be able to see the latest news posted by the organizations as well as success stories of other students.

**option 4:** Notifications- where they will be able to get notifications from the followed organizations and responses from the organizations



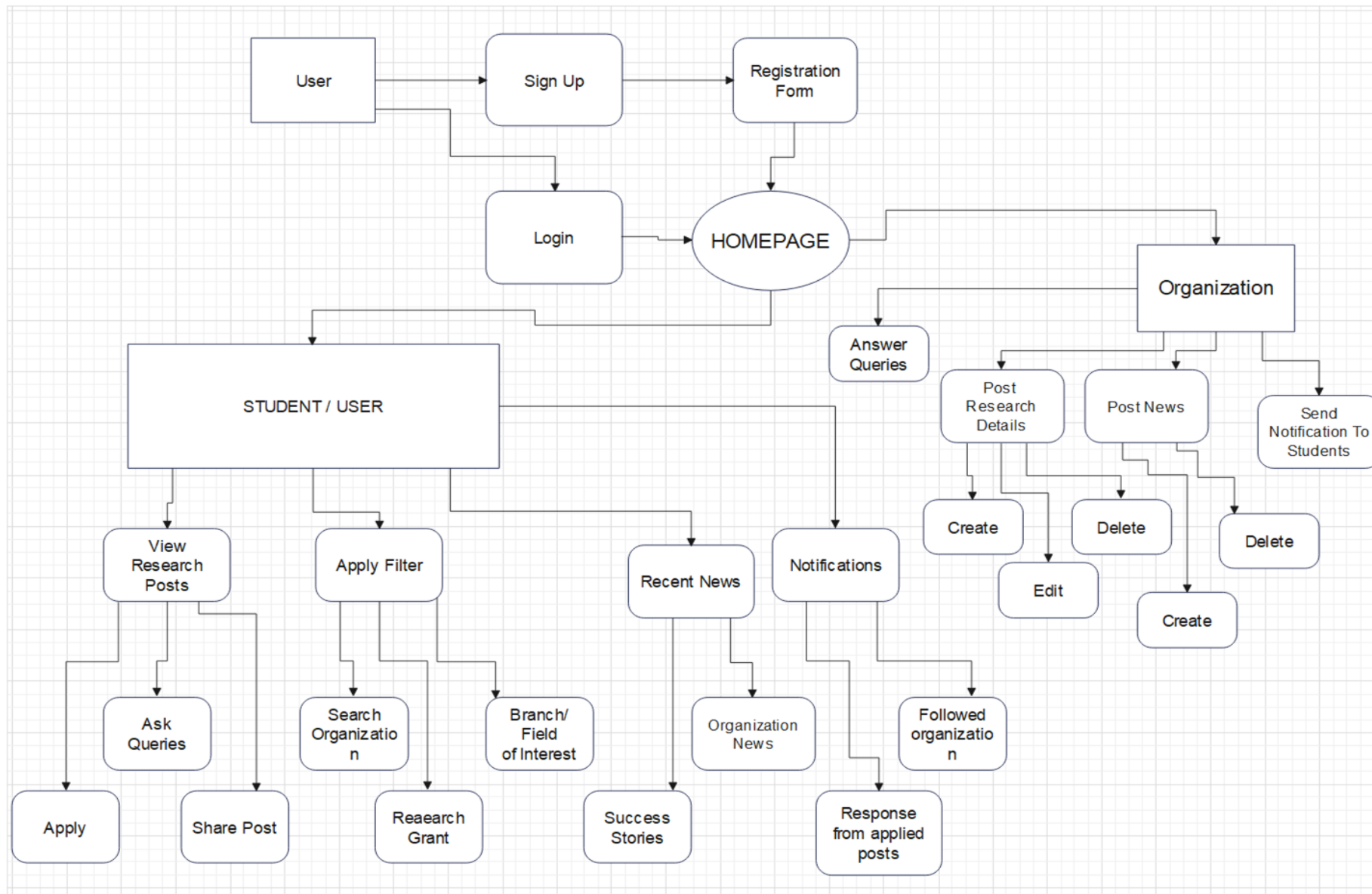
As an organization they will have 3 options in front of them:

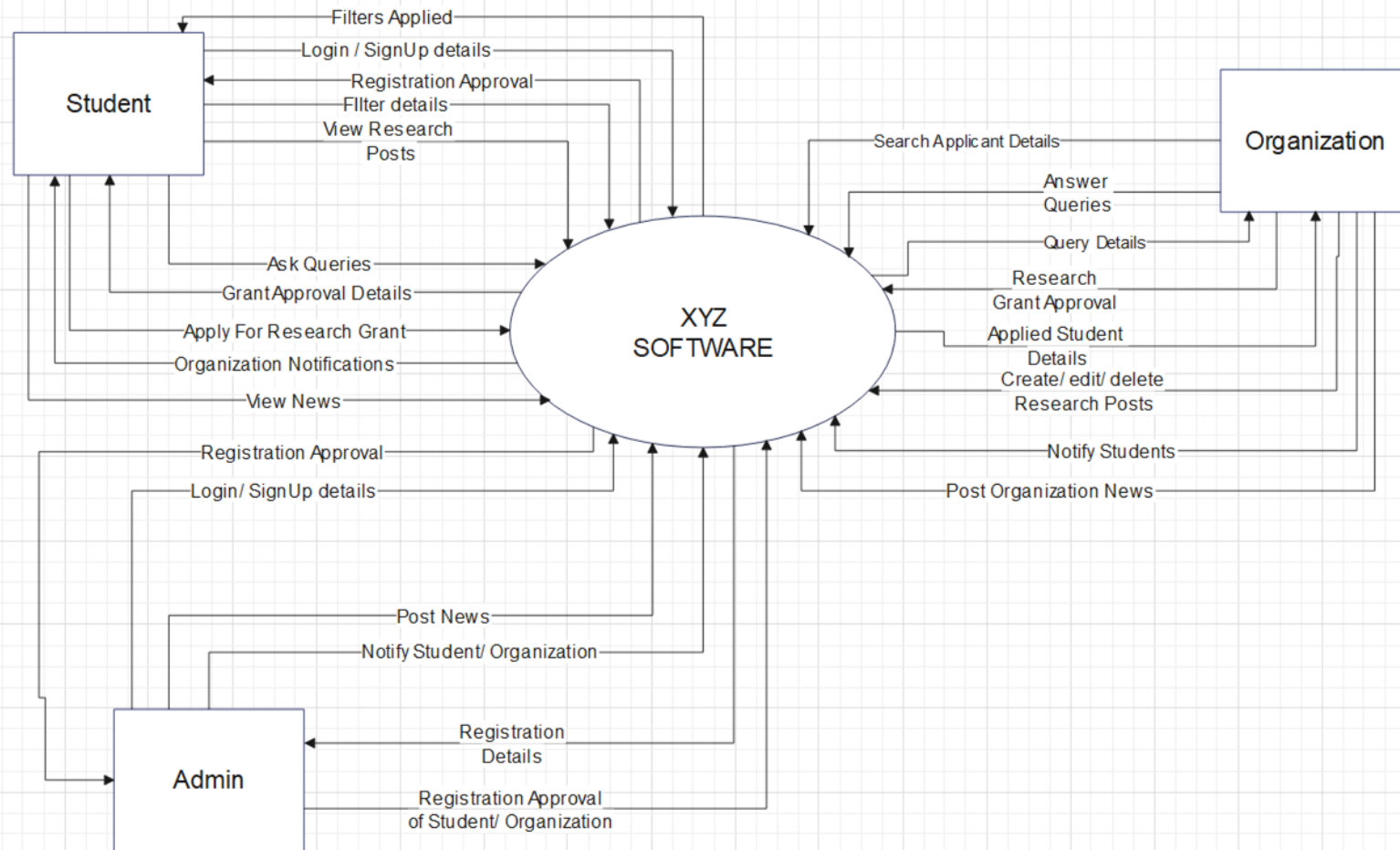
**option 1:** Post research details where they will be able to create/edit/delete

**option 2:** Post a news about the grants with the access to create and delete

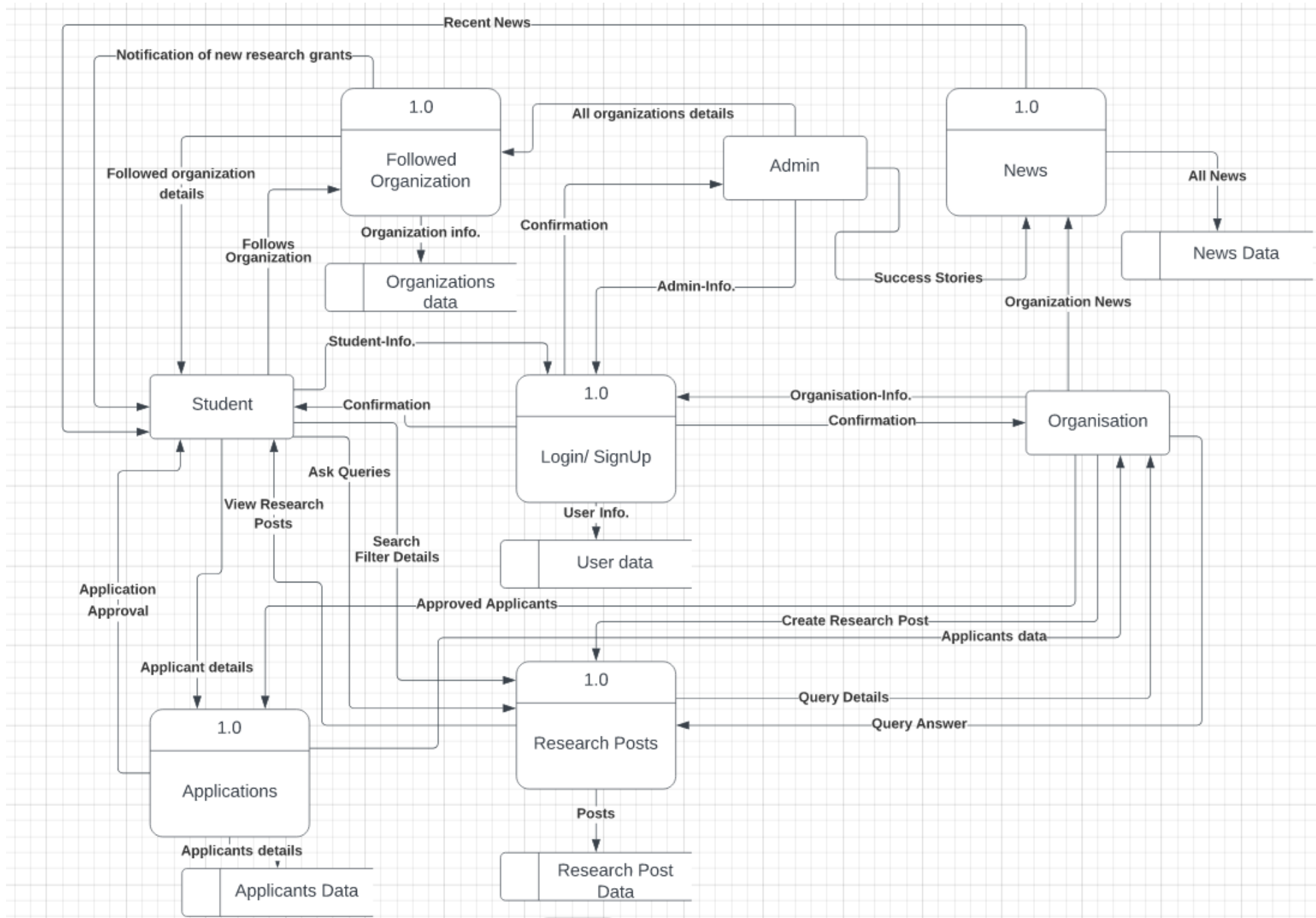
**option 3:** Send notification to selected students based on the requests that have come













# Research Grant

Sign In

Not a member? [Register Now](#)



[Home](#)[Organizations](#)[Notifications](#)[Logout](#)

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Organizations

# DRDO

# ISRO

# IISC

# IITB

# NSUT

**ISRO** Follow

Indian Space Research Organization

ISRO provides financial grants to support fellowship, materials, consumables, internal travel, testing charges, data etc. The grant amount will be Rs55000

Apply

Comment

Share

**DRDO** Follow

Defence Research and Development Organisation

The proposal can be submitted by academia/ research institutes (Principle Investigators) available in the country engaged in the field of aeronautics. Grants are offered to Indian academic institutions of national importance/repute, national science and technology centres, research institutions, non-profit professional societies performing advance research, acclaimed scientists attached to approved research and also private institutions.

Apply

Comment

Share

**IISC** Follow

Indian Institute of Science (IISc)

Research Assistance (Automobile Electronics) Internship in Bangalore. The amount paid will be Rs30000 for 2 months. Intereseted users may apply below.

Apply

Comment

Share

News



● **ISRO gave Ankit Singh a research grant worth Rs 55000**

Top news - 9299 readers

● **DRDO gave Sumit Singh a research grant worth Rs 42000**

Top news - 8027 readers

● **IISC gave Nikhil Sharma a research grant worth Rs 21000**

Top news - 19498 readers

# MARKET SIZE

There will be two major classes of people who will be targeted through our platform - the people who have the will to carry out their research and the organizations providing grants. As for the expansion of our audience, we will reach the target customers of India only and then the number of target customers will grow according to the expansion of our platform.



# MARKET VALIDATION

In the current world of rat race, it is needed to focus and emphasize more on the research work in India. In order to extract the hidden talent, it is necessary to provide an easy-to-use platform where the organizations and the candidates can have a transparent view about their requirements and necessities.

Our approach makes it simpler by creating a platform where both the parties can come and find their interests. Thus, we fulfil our requirements without designing a complex artificial intelligent model.

Since there is no such platform available and it will be a very user friendly platform our software would be the best fit for market.



# BUSINESS MODEL

We are mainly targeting two major classes of people to our platform –

- i) The candidates interested in carrying out the research.
- ii) The organizations looking for candidates for providing grants.

Ways which will be relevant for such a platform to generate revenue can be:

1. Advertisements - One of the obvious ways is to provide advertisements of similar organizations or people on the platform which will not deteriorate the experience of the user but will be a very effective source of revenue generation.
2. Books and newsletters - Our platform will have its own eBooks related to research and motivation to carry out research which will be provided at reasonable rates. We will also have our newsletters which will contain information about those people who were benefited by the platform and as a result will serve as a motivation to other people as well



# COMPETITION

What makes our idea unique is the way we approach such a complex problem in a very simple way. Our idea makes it very simple by creating a platform where both the organizations and people can come and find their interests and thus without designing a complex artificially intelligent mode



# COMPETITIVE ADVANTAGES

- Platforms like this have always been in need since the emphasis on research in India has increased and as a result more innovative ways of bringing this idea into picture are required.
- What makes our idea unique is the way we approach such a complex problem in a very simple way. Other ways of doing this would be by creating a machine learning model which will find organizations from various websites by a complex algorithm and then will do the same for people looking for such organizations.
- Our idea makes it very simple by creating a platform where both the organizations and people can come and find their interests.





# ASSUMPTIONS AND RISKS

&The major risks associated with such an idea are:

- **Data leakage:** Since we will be collecting data from the people as well as the organizations, there is a high chance the data might leak because of unwanted sources.
- **Corruption of database:** Hackers and unwanted people can access and alter the secured information in our databases.



# SUMMARY

Research has been the backbone of an excellent education system and in order to add value to the research ecosystem of the country, there of need to have a robust platform available for the researchers wherein they can have the information available about the national/international grants available for them to carry out research activities more effectively.



# Q&A

**Q1. Can a student send application for grant to more than one organization at a time?**

Ans. Yes, an interested student can apply to more than one organization at a time.

**Q2. Can a student accept a grant application from more than one organization at a time?**

Ans. No, a particular student can accept only one grant application.

