Design Thinking and Innovation

Dr. Tapas Badal

Design Development Process



Can we do it



Economics



Sustainability



Result



Target companies/startup

Why project is important?



Area of specialization

You have spend a significant amount of time being surrounded with various technologies.

you must have one or two fields for which you are passionate about.

Working on a project in a field that you love and you have some experience in, will not only reduce your work by half, it will also allow you to enjoy yourself in the process.

Hence choosing the area of specialization is a matter of utmost importance.

Brainstorm ideas

Primary idea: Solve a certain challenge or issue that is related to the particular industry.

Hence a good project tries to provide an innovative solution to an existing problem in the industry.

A great hack is to do some research about these issues that exist in the field of your interest.

Brainstorm ideas

Gather Interesting Ideas.

How to make things people want.

Focused

There must be some environmental, social or technical challenges in your area which need innovative solutions.

Try to identify these challenges, and come up with a creative solution.

Working on a project to solve one such issue will not only give you a sense of purpose, but it will also provide you **experience with hands-on organizational challenges**.

Consequently, this problem solving quality will shine through your profile when you apply for jobs in the industry.

Outside The Box

- Design Thinking is often referred to as 'outside the box' thinking,
- Thinking outside of the box can provide an innovative solution to a sticky problem.
- The Power of Storytelling.
- Generating Creative Ideas and Solutions by Holistically Understanding Humans.

How to evaluate your project idea?

Problem:

- popular
- Growing
- Urgent
- Expensive
- Mandatory
- Frequent

Solution:

• SISP: Solution in search of a problem

Insight:

Who is the user?

How many perspective user you are expecting?

Can it be help in pitching a startup?

Any company will be interested in my project?

Where can you get project ideas?

Y Combinator: provides seed funding for startups.

T-Hub: leads India's pioneering innovation ecosystem

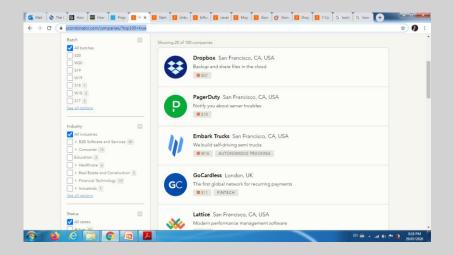
Google summer of code.

IBM open projects.

StartupIndia

Y Combinator

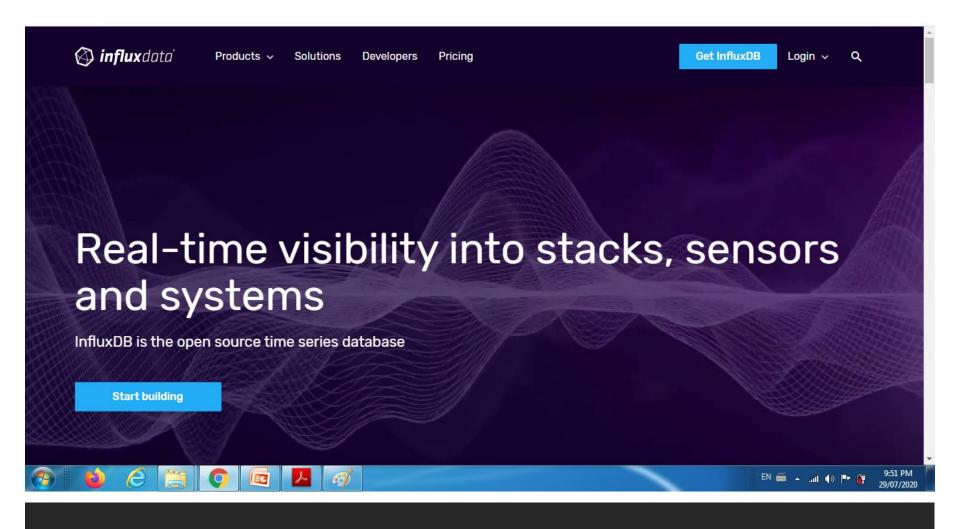
- Go and check various startup and their ideas.
- https://www.ycombinator .com/companies/?top100 =true



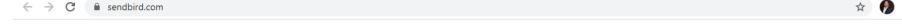
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SendBird: SendBird is the world's no1. chat API for mobile apps and websites.

2020 Projects

Google Summer of Code is a global program focused on introducing students to open source software development. Since its inception in 2005, the program has brought together 15,000+ student participants and 12,000 mentors from over 118 countries worldwide.

This year, Google has funded 1178 student projects (listed below) for 199 open source organizations who benefit from active involvement from new developers.

Funded by





















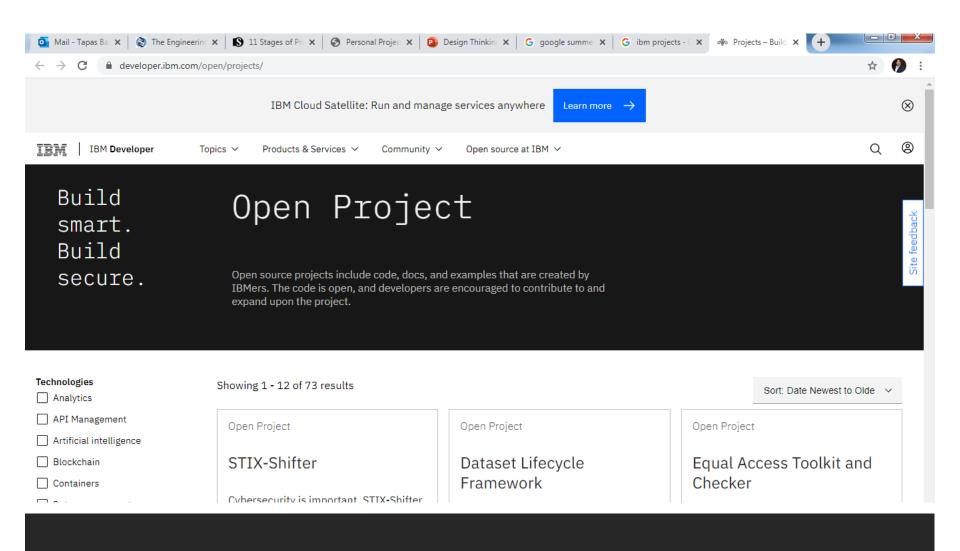








Google summer of code



IBM Open Project

Understand the scope and value of your project

- What are the major deliverables?
- How will we get to those deliverables and the deadline?
- Who is on the project team, and what role will they play in those deliverables?
- When will the team meet milestones, and when will other members of the team play a role in contributing to or providing feedback on those deliverables?

Project objectives: SMART

- Specific: talk in a precise and clear way about what you are going to do.
- Measurable: how will you know when you have achieved your aim?
- Achievable: make sure that you aren't overly ambitious.
- Realistic: recognise the time and resource constraints that come with doing a project.
- Time constrained: determine when each objective needs to be completed.

Teamwork is the key.

- A great project needs lots of innovative minds.
- When these creative minds work towards a mutual goal, a good project can be transformed into an exceptional one.
- Try to find such creative minds for your project.
- Moreover having a good team can also open up further resources for your projects.
- Finally when you have acquired the right team members, try to identify all the resources needed for your project.
- If you have chosen people who are enthusiasts of the particular field, they may already have a lot of resources with themselves.
- Hence the team can contribute greatly towards attaining every possible resource.

Project Management Tool

- Project management tools are usually defined by the different features offered:
- **Planning/scheduling** Project management tools allow you to plan and delegate work all in one place with tasks, subtasks, folders, templates, workflows, and calendars.
- **Collaboration** Email is no longer the only form of communication. Use project management tools to assign tasks, add comments, organize dashboards, and for proofing & approvals.
- **Documentation** Avoid missing files with file management features: editing, versioning, & storage of all files.
- Evaluation Track and assess productivity and growth through resource management & reporting

Free Project Management Apps

- <u>Trello</u> (Web, macOS, Windows, iOS, Android) for individuals and teams who need a work pipeline
- MeisterTask (Web, Windows, macOS, iOS, Android) for combining project ideation, planning, and execution
- <u>Freedcamp</u> (Web, iOS, Android) for managing all projects and communications in a single tool
- Asana (Web, iOS, Android) for creating a to-do list powerful enough to manage projects
- <u>Bitrix24</u> (Web, Windows, macOS, iOS, Android) for classic project management with Gantt charts
- Wrike (Web, Windows, Mac, iOS, Android) for spreadsheet-like features in a project management app
- Podio (Web, iOS, Android) for customizing your project management tool
- Agantty (Web) for creating Gantt charts quickly and easily

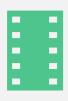
How to decide a milestone in your project plan?

- Is this a task or a deliverable?
- Will this impact the final deadline?
- Is this an important moment in the project that will indicate forward progress?
- Does this need to be reviewed by mentors?
- Is this an event that impacts the project?



Overall responsibility for the project is yours.

Motivate yourself



Show initiative.



You should view yourself as the project leader.

Thank You