

INNOVATION LAB STUDENT PROJECT TEMPLATE

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Title	Insufficient Space and Deforestation

Social Problem

When I begin with something that says 'Insufficient Space', what do I mean?

By 'Insufficient Space', I mean the space which India actually withholds or the area, which we exceed by increasing the limit of buildings. This is vague, thus, in the next line I will explain the problem.

Let us take this analogy for instance, for the purpose of clarity: A man has 2 acres of land, he decides to build 2 houses each occupying an acre, but during construction, house 2 requires an extra metre of land to be whole. For this reason, the owner nearly merges these two buildings.

Now imagine this scenario in the whole of Bangalore. (Since I have taken this project to attack the problem locally). Imagine every part of Bangalore occupied and every house nearly merging, how despicable. This is how Bangalore is today every building nearly merged, no more land to build.

Diverging away from the actual mess and focusing at the repercussions causing the government. As we all know that the government takes a small portion of our land- which we are using- for the drainage. We exceed it, we get drainage problems. It also gives the wrong impression that we don't care about the beauty of our city, by destroying and occupying land.

Now let's converge on the Deforestation part. Deforestation is basically the cutting down of trees. How is it related to the merging of buildings?

We take space for buildings, thus for obtaining this space we destroy nature, thus, trees. It is basic

knowledge that trees provide oxygen and food, so let's describe Bangalore in one word, we would mostly get words similar to 'Silicon Valley', 'Technology', 'Powerhouse' and such as these.

What we don't get are words like, 'Nature's gem', 'Garden city' and more. By cutting trees we dig our own graves. Like merging buildings and occupying unnecessary space, there is nothing reasonable in cutting trees. Trees provide a tough soil, held together; they also provide valuable rubber and casein.

Both Deforestation and buildings are prominent in urban, but since the government has taken some protocols-to improve the rural life-this will also be the case for rural places too.

Looking back at the '90s and beyond, constructing buildings was scarce; this was mainly due to people devoted to nature and not technology. They firmly believed in taking the hard way. However, this cannot be told for Delhi. Delhi, one of the most prominent places, being the capital went under many changes as many powerful people seceded from Delhi.

Although there isn't any valuable data on this problem, by other authors or journalists, we have conducted a research of my own. An article in the Reuters, by Alisa Tang states that deforestation might just alter monsoon winds, causing loss of precipitation and humidity in different areas, even rainfall. This imbalance of the ecology can cause devastating changes. Scientists also made a model describing the entire process including the water cycle, ice melt and photosynthesis. The deforestation has also occurred for the growing of crops, this is unhealthy as it states that India is overpopulated.

The problems that insufficient space and deforestation cause are complementary. They affect poor people who have been granted space for them to build their house but aren't able to because of another person of higher power building on their land. They are forced to live on the streets, where they cut trees for firewood and simultaneously cause air pollution (by burning them). The action of deforestation also affects the soil as the tree's roots hold the soil, and when they are cut down, the soil is exposed to erosion. This, in excess, can cause the downgrading of soil in farms.

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Proposed Solution

There is a solution for these problems, since they are complementary, separate solutions are not required.

First of all, Education, Pamphlets and articles, for spreading the word, for awareness, these are necessary. Education for the poor to gain their rights and not be exploited from what they truly deserve.

Motivation for the people. People can be motivated to support for our cause. Motivation can also pursue people to stop cutting trees and start finding supplements for wood (As India had done for Rubber).

The government should jointly form a committee for people and governments alike to share their thoughts and reach to proximity.

I think the citizens, as always, play a major role, if it was jointly associated with the government. The citizens, upon realization, could pass on a bill where I am 80% sure that the action would be taken up to

the authorities. The government on the other hand could fund for the problem, by building gardens at different localities, altogether constituting about 175 sq. km. I know that this is a lot but measures have to be taken upon by the BBMP our main governmental body. By having this much land our oxygen levels might boost up, even if it does slightly.

The main cause of all the soil erosion and deforestation is for the clearing of land for farms. More farms means more food, interpreting overpopulation. Thus even overpopulation should be overcome. Overpopulation can also mean that there is lack of education and some forms of superstitions. These superstitions force women to bear more children in the hopes of the boy child.

Bring the governmental bodies and the UN to discuss the problem and find a unanimous solution. Apply these solutions with strict measures.

Due to the lack of land, the government must build more homes for the poor and the homeless so as to provide home for those who can't.

Make the government move in another way. Since the government is following the technological era, lets separate from that era and follow our own path, because this technology is getting in our way and we must admit that fact. Let's move in a way our ancestors taught their family. Let's remember and live in the time when technology wasn't a major influence.

Tasks & Timelines

Jrenoth will take care of more research on the topics to move forward and devise more ways to efficiently overcome the problem.

Suhas CM will spread the word through journals, pamphlets and articles.

Jayanth will be responsible for making sure that the models and the presentation is ready for making the problem factual.

Anurag will contact the authorities and write petitions for the government to respond.

Though our plans might seem small, we are taking big actions for some change. We, as one team, will try our level best to form groups to support us and bring back the way India first was. We will encourage donations for the construction of the home for the poor to save the land for more purposes. Our petitions will also direct towards deforestation. If this goes ahead, the UN will also be warned.

We will also take considerable action to promote agriculture as an occupation for the poor to devote more time to feed the population. At the very end, we will try to encourage the government to provide farmers agricultural materials to multiple yields.

Sources/References

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