

Computer Department Under Graduate Project Proposal 2017-18

“Illegal Locality Detection using NGIS”

Submitted to
Department of Computer Engineering
Don Bosco Institute of Technology

Group No. : 4

Proposal Number : _____

Area : NGIS_____

Date of Submission : _____

1. Title of the project:

Illegal Locality Detection using NGIS

2. Brief idea of why the project is being done:

The project is being done because of two reasons:

1. To provide an accessible interface to both buyers of properties and government officials.
2. To curb the social issue and create a model that can be used by urban planning department.

3. Background knowledge the student is expected to have –topics and depth:

The knowledge that student is expected to have is;

1. GIS – Visual representation of data
2. GPS – Helps when a field study would be conducted
3. WebGIS – Gives options to conduct functions on the data represented by GIS
4. Data Analytics – Analyze different aspects, parameter that will help to define the trend observed when it comes to illegal construction

4. Scope of project – expected outcomes in measurable terms:

5. Objective of the Project:

Objective of this project is to create an interface that acts as an inclusive system that has options to pinpoint locations, analyse the available data, acts as an assistant to owners and government officials.

6. Problem Statement:

The rise of illegal construction across the country has been quite an issue in the recent years, for ex; Campa Cola Compound problem. The authenticity of a legal construction depends on many parameters like proposed plan, document verification, construction type. These regulations are overlooked to construct buildings whose foundation is illegitimate, later the properties are either sold through malpractices, leading to conflict in future for government officials as well as the owners involved.

7. Time line to be adhered to by the student and expected outcome (deliverables) at each mile stone:

8. Learning points for the student:

Along with the technical knowledge that has been already listed in the ‘background’ section there are some other aspects a team would learn;

1. Teamwork
2. Punctuality
3. Persistence

9. Future scope:

The project is useful not only from the social issue perspective from the owner’s end but it can also act as a government portal if developed properly.

Collaboration with NGOs and e-housing websites is also one of the significant possibilities.

10. References:

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.895.3561&rep=rep1&type=pdf>

<http://ieeexplore.ieee.org/document/5691383/?part=1>

http://www.isprs.org/proceedings/XXXVII/congress/3b_pdf/79.pdf

11. Group details:

Sr.no.	Roll no.	Name of the student	Signature
1.	43	Yash Mahajan	
2.	59	Vaibhav Patil	
3.	28	Milbir Guram	