



ITL PUBLIC SCHOOL

SUMMER ENGAGEMENT PROGRAMME

COMPUTER SCIENCE(XII)

INVESTIGATORY PROJECT LANGUAGE:PYTHON

The aim of the class project is to create something that is tangible and useful using Python file handling. The aim here is to find a real world problem that is worthwhile to solve.

Students are encouraged to visit local businesses and ask them about the problems that they are facing.

For example, if a business is finding it hard to create invoices for filing GST claims, then students can do a project that takes the raw data (list of transactions), groups the transactions by category, accounts for the GST tax rates, and creates invoices in the appropriate format.

Students can be extremely creative here. They can use a wide variety of Python libraries to create user friendly applications such as games, software for their school, software for their disabled fellow students, and mobile applications, of course to do some of these projects, some additional learning is required; and is encouraged.

The student should Avoid plagiarism and violations of copyright issues while working on project.

Accompany project with a presentation comprising the following points:

- Introduction of the project
- Need of the project
- Feasibility study
- Future scope of the project
- Bibliography

