

# College of Engineering Guindy

Anna University

Department of Information Science and Technology

## ABSTRACT

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**TITLE:**

Happy  
Coding!!!

**BY**

(B.Tech IT – III year)

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## Problem Statement:

*"People use up a lot of time and effort in searching up for the solutions to the various compilation errors they face"* . How could this be reduced so that programmers can actually concentrate on the original program.

## Existing System:

We are in the era where everyone uses computer . We write code to instruct the computer. Programming is mastered by practice and most of the people never gets a code running properly in the first attempt. Compiler errors are faced by almost all programmers. It may be a very simple error or at times a very complex one, however these errors take time to solve. When we encounter a compilation error, we often resort to stack-overflow and seldom we refer to text books. Stack-overflow greatly reduces our burden of debugging. But still we have to search for the error in the google and reach out to stack-overflow , which is time consuming and a tiring work. First time users of internet may not know how to query google and to get the results efficiently which adds to the existing burden.

## Project idea:

Our project aims to automate the search process by providing solutions right on our text editor screen via a plugins. The solutions would be processed by the script so that relevant answers and comments are shown to the user. By automating this process of search and retrieval we can add some more intelligence to our text editor.

## Addressing the Requirement:

The modified system that we propose to build will work towards eliminating this problem by providing the programmer with a suitable solution obtained from the website called [www.stackoverflow.com](http://www.stackoverflow.com) which features questions and answers on a wide range of topics in computer programming. This would be achieved by web scraping the stackover flow and making use of its search options. The content is analyzed using NLP and the most appropriate answer is revealed to the user.

## Main Technologies used:

- Sublime API
- Python
- NLTK in Python
- RESTful webservices