Abstract:
With the development of this QA Typology software, the need for question-answering system becomes efficient. These papers describe the question answering system, in which method to automatically learn pattern and parameterization are combined with the help of sense. In general two kinds of knowledge about language and knowledge about world. Question answering system is still under development and experiment.

Keywords: QA Typology, parsing, rank, optimized query, comprehension passage, redundancy, question answering system

I. INTRODUCTION
Several research projects have recently investigated the problem of automatically answering simple questions that have brief phrasal answers, by identifying and extracting the answer from a large collection of text. IR techniques have proven quite successful at locating within large collections of documents those relevant to a user’s query. Often, however, the user wants not whole documents but brief answers to specific questions: How old is the Queen of England? Who was the second person in space? When was the storming of the Bastille? How much time he need to complete the task? What is the name of her cosine? What is the age of her?. In order to pin point the answers within likely documents, however, more fine-grained methods have to be used. As a result, most QA systems exhibit a fairly standard structure: all create a query from the user’s question, perform IR with the query to locate documents likely to contain an answer, and then pin point the most likely answer passage within the candidate documents. But this project finds out the efficient and structured answer from the comprehension passage. Question Answer Typology (QA Typology) system will work in different phases. The query of user is input and then it processes the query and fetches effective structure answer. Mainly this system work for comprehension passages to find out the answers related to the complex questions present in passages. This is research based project and this type of project is not present in the market until now. This project helps the users when users will practice for the unseen passage. As we all know that many of the entrance exams have unseen passage. So to practice for exams this project will proves advantageous.

II. SCOPE
This QA Typology system will proves itself important with its work. This project is completely different from other type of related project. Much research is going on this QA Typology and research papers were also printed. This project can be used when student will unable to find the answers of unseen passage during practice time and this project also have dictionary option which helps the users to find out the meaning of complex words present in passages. QA Typology project will prove its important after coming into market.

III. ARCHITECTURE
The architecture of QA Typology system describe about the internal working of question answering system with the help of diagram.

Figure 1: Architecture
The architecture of the question answering system also represented in the form of flow chart simply means how the data flow in the QA Typology system.

Figure 2: Typology system
IV. The QA Typology

QA Typology project is basically divided into two modules:
1). Administration Module
2). User Module

Administration Module
Administration of the project is responsible for handling the complete project. Admin manages the database related activities and update the project according to the users feedback, if necessary.

User Module
For access the QA Typology project user will log in the application through their credential i.e.User name and password. Then user will use this project for practice the comprehension passages during their exams. They can also use dictionary available in the project to know the meanings of new words present in the passages during practice time.

Procedure
The procedure is simple to understand but hard to implement because this project require knowledge on various technologies. The procedure of this project is described in points and this project will completely work same as describe in architecture of this project. The working of QA Typology is that it gives the answer of the unseen passage.

1). Input is given by the user that they want to search from the comprehension and the question will be related to that comprehension only.

2). Now this question is parse by the system and convert into a query.

3). Query is converted into optimized query, means redundancy or duplication will be remove from the user question.

4). After that words in the optimized query are arrange(Rank) in order of priority of the word and optimized question query is match against the answer from the passage.

5). Now the answer of the user question is prepare and rank is given to the words and arrange the word according to the rank.

6). Answer is fetch from the comprehension and give to the user who asks for that question.

The complete procedure of questioning answering system is depict by this figure:

The question of the user firstly pre-processing by the system the steps of pre-processing is described by the figure:

Table.1. pre-processing

There are various ways to describe the procedure of question answering system. The other way to describe the working of question answering system is describe as:

Figure.4. System is describe

V. CONCLUSION

Ongoing work is mainly focusing on longer answer, more complex questions, including ones with somewhat structured answers.

VI. REFERENCES


[6]. http://www.pnas.org/content/100/15/9096.long (11.02.2014.)


