Automatic Answer Sheet Checker

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Abstract—An automating the task of scoring subjective answer is considered. The goal is to assign score which are comparable to those of human score by coupling AI technologies. In this process involves many image level operation i.e. removal of pre printed matter, extraction and segmentation of words. Scoring is based on machine learning of parameter and natural language processing.

System checks answer and score as good as human being.

Keywords: Data-mining, Stop word Selection, Text Classification, Stemming Algorithm and Stripping Algorithm.

I. INTRODUCTION

The answer sheet is widely used for student performance in exam in school and college. The main approach is to evaluation is efficient and reliable. An automatic answer sheet checker checks the answer sheet and written mark as similar to human being. This software is built to check the subjective answer. The system consist of in build artificial sensor that verify answer and allocate marks according as good as human being accessing large number of handwritten answer sheet is relatively time consuming task there is an intense need of speed up and enhance a process of rating handwritten words while maintaining cost effectiveness. It is relatively inexpensive answer written by hand. The primary means of testing the student on state assessment of reading comprehension motivation of these system is mainly always we have seen the online OMR sheet checker or objective answer sheet checker but the main goal is to develop subjective answer checker.

Objective.

The system calculate score and provides result instantly. Examiners get bored by checking many answer sheet, hence the system reduces their workload by automating the manual checking process accurately. It removes human errors that commonly occur during manual checking.

Proposed System

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**Problem statement**
An automatic subjective answer sheet checker that checks
and marks written answer using in build Artificial
Intelligence technologies that verify answer and allocate
marks accordingly as good as human being.

**Existing System**
Till today there are system developed for essay recognition
short answer scoring.
The goal is to as- sign scores which are comparable to those
of human scorers by coupling two AI technologies: optical
handwriting recognition and automated essay scoring.

**III. SYSTEM MODULE**

**Registration And Login Module** : In this module simply
new user is going to register first for this system and existing
user are login for accessing the system. User is must going
through biometric validation for this we have used SQL
server database for storing user details.

**Exam Paper Module**: In this module teacher is going to set
the exam paper for the subject for each & every department.

**Examination Module** : Mainly in this module user or
students is going to appearing the exam by student type
whether it is blind or not exam type get change.

**Final Result Module** : Result can be shown by this
module. Result is first calculated in this & then directly
getting show to the user on their screen only.

**A. Figures**

![Architecture Diagram](image1.png)

![DFD Level 1 Diagram](image2.png)

**IV. METHODOLOGY**
System consists of following methods:
1. Student Registration
2. Admin Registration
3. Teacher Registration

**V. ALGORITHM**
1) Key word search algorithm-
A search algorithm is an algorithm that retrieves information
stored within some data structure. Data structure can include
linked list, array, search tree, hash table or various other
storage methods the appropriate search algorithm often
depends on the data structure being searched. Searching also
encompasses an algorithm that queries the data structure such as SQL SELECT command.

Search algorithms can be classified based on their mechanism of searching. Linear search algorithm checks every record for the one associated with the target key in a linear fashion. Binary search repeats the center of the search structure and divides the search into smaller parts. Search algorithms can be classified based on their mechanism of searching. Linear search algorithm checks every record for the one associated with the target key in a linear fashion. Binary search repeats the center of the search structure and divides the search into smaller parts. Hashing directly maps keys to records based on a hash function. Searches outside of a linear search require that the data be sorted in some way.

Search functions are also evaluated on the basis of their complexity or maximum theoretical runtime.

Keyword search:

Keyword search is the most popular information discovery method because the user does not need to know either a query language or the underlying structure of the data. The search engine is available today provides keyword search on top of sets of documents when a set of keywords is provided by the user search engine return all documents that are associated with these keywords. Typically two keywords & a documents are associated with keywords are contained in the document & their degree of associativity is often distance from each other. Keyword research is a practices search engine optimization professionals use to find & research actual search terms that people enter into search engines. Stemming is the process of finding the route word.

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