DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS
PUNE INSTITUTE OF COMPUTER TECHNOLOGY

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Employability Skills & Mini Project

Class & Batch   :   TE-8   K-8   **Group No.   :   K8-6**

Synopsis

on

"Software for SMART RESULT ANALYSIS Using Java"

Submitted By

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Project Guide

Prof. Sandeep Dhende

1. **Project Title:**

SMART RESULT ANALYSIS

"Software for SMART RESULT ANALYSIS Using Java"

2. **Introduction/ Motivation:**

Smart result analyzer software converts pdf formatted pdf to smartly organized Excel sheet so that the college department can easily analyze the data according to their need. it is specially designed for SPPU Engineering results provided by the university.

3. **Literature Survey / Prior work:**

There are many software available on internet for conversion of pdf file to excel sheet file. It does not always work out correctly. Also, format requirement for excel file is not same for all.

Adobe is leading in Pdf handling but such feature are paid and un-customizable.

4. **Problem Definition and Objectives:**

The main focus of problem was that previously the college faculty had to create the excel sheet manually from the pdf data.it was time consuming and often prone to human typing error such error could lead to wrong analysis of student performance data.

The main Objective of this project is efficiently converting pdf data to excel file automatically and with error free data.
Software is specifically designed for different Years data provided through pdf and excel file was formatted according to PICT college Entc department format.

5. Flow of Project / Research Methodology:

- Firstly, we studied the Pdf result format and decided which data to be extracted from it. then we gathered information on the format requirement for excel file by studying the previous excel sheets by department provided by respective faculty.

- We researched on type of technology that could meet our requirements and decided that Java could do the work.

- Referring Online blogs and official Documentation we designed a java application that could convert the result pdf into required excel format.

- Using JavaFx we designed a GUI Application making it easier for user to use the application.

6. Hardware Requirements:

Pc / laptop

7. Software Requirements:

- Java jdk installed(latest)
- Windows OS

References:

https://docs.oracle.com/javase/7/docs/api/java/util/regex/Pattern.html

https://pdfbox.apache.org/

https://poi.apache.org/