**Jagannath International Management School**

**Vasant Kunj, New Delhi-110070**

(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi)

Recognized u/s 2(f) by UGC & Accredited with ‘A’ Grade by NAAC

Participant of United Nations Global Compact, New York

ISO 9001:2015 Quality Certified

**A**

**Synopsis Report**

**On**

**IP University Result Compiler and Analyzer**

For Partial fulfillment of Bachelor of Computer Application

**Submitted to Submitted by**

Dr. Meenakshi Narula Anuj Mehta (00814202017)  
 Deepak Pandit (01014202017) Akash Gusain (00614202017)

September, 2019

# **Table of Contents**

1. Introduction……………………………… …................................................................................ 03

2. Objectives of the Project …………………………….………………………….……………….05

3. Tools / Platform, Hardware and Software Requirement specifications …………………...…… 06

4. Scope of the Project (Market Potential & Competitive advantage) ……………………………. 07

# **1.Introduction**

**Guru Gobind Singh Indraprastha University** (GGSIPU or IP or IPU), formerly Indraprastha University, is a public state university located in Delhi, India. It was established in 1998 by Government of Delhi, as a teaching-cum-affiliating university.[2][3] The University is recognized by University Grants Commission (India), under section 12B of the UGC Act.[2] It has been graded 'A' by the NAAC. The medium of instruction is English to meet the international language standards.

GGSIPU was established as an **affiliating** and teaching university to promote studies in the emerging areas of higher education. The university runs almost 50 courses of study as diverse as engineering, technology, business management, medicine, pharmacy, nursing, education, and law. There are more than 120 colleges affiliated to it which are run according to the rules and regulation set by the university.

**Evaluation and Examination:** The overall weightage of a course in the Syllabi and Scheme of Teaching and Examination shall be determined in terms of credits assigned to the course. The evaluation of students in a course shall have two components unless specifically stated otherwise in Syllabi and Scheme of Teaching and Examination:

(1) Continuous evaluation by the teacher(s) of the course.

(2) Evaluation through an annual term end examination.

## **Problems with PDF file results**

1. **PDF result files consume a lot of data**

PDF result file of IP University, Delhi measures anywhere from 75 to 120 MB

depending on the course. An average student does not consume the whole PDF

file. Thousands of students and hundreds of faculties download them every

semester, resulting in wastage of GBs of data

1. **Results are scattered across different PDF**

The results for each semester are declared in different PDF files, making the

students downloading multiple files. Even after downloading them, it’s difficult to

manage them, most of the students lose them or delete them, and then re-download

them later.

1. **Lack of Statistics**

The students and the faculties have to manually compute the percentages, CGPAs and it is not feasible to compute rankings without an automated procedure. It makes the task difficult for both faculties and students.

1. **PDF result files are user unfriendly**

Searching result in a big PDF file where almost results of 4,000 in 1000 above pages students are present is not a quick task and in mobiles it is even more unpleasant experience. PDF files are often nonresponsive in mobiles, i.e. they do not adjust to the user’s display.

1. **Non-Responding Servers**

Almost every time students and faculties have to wait for the server to respond as there are many users accessing the same PDF file at a time.

**Proposed System:** This software provides complete result of a student in a user-friendly view, along with useful insights like percentages, CGPAs, rankings and toppers. The software focuses on only extracting result of one student at a time which provides faster and better access to the students of their own result. By providing result in concise format this software will be a much better platform for students.

### **2. Objectives of project**

**Primary Objectives:**

1. **Everything at one place**

The software will provide results of all the semester at one place to make it friendly for the students as well as faculties. The result is presented in a

clean, readable tab-based interface

1. **Less data consumption**

As the software will only fetch the specific result which the user needs hence it will consume less data as compared to the whole pdf resulting in less data consumption and increased efficiency.

1. **Providing statistics like ranking, CGPAs etc.**

The software will provide ranking, aggregate CGPA for easy analysis of student result and also graphs etc. to help visualize the result.

**Extended Objectives:**

1. **Building an application for android.**

As almost every student owns a smartphone, the mobile application will be more popular among users.

1. **Analyzing the result for every course in IP University.**

Not only the courses which are available in our college but to analyze the result of each and every course in IP university.

**3. TOOLS/ PLATFORM, HARDWARE AND SOFTWARE REQUIREMENT SPECIFICATION**

## **3.1 Tools / Platform:**

* **Python:**

Python (Swigert Albert (2015) is a general purpose, high level language. It is used

to fetch the tables from PDF result file.

* **Camelot:**

Camelot is a Python library that makes it easy for anyone to extract tables from PDF files.

* **Microsoft Excel**

To view the extracted tables from the pdf.

* **MySQL**

MySQL (Michele Davis, 2009) is developed by Oracle and it is an open source

relational database system. It stores all the data processed by the PDF parser.

## 

## **3.2 Tools / Platform Hardware and Software Specifications**

OS: Windows 7/8.1/10 - 64-Bit

CPU: Intel Core i3-2100 @ 3.1GHz or AMD Phenom II X4 965 @ 3.4 GHz

RAM: 2GB or Higher

Hard Drive Space Required: 50.0 GB

**4. Scope of the project**

Previously, data used to be inserted manually to analyze result. But Currently the project supports CSV files and for extraction of data and database for storing of data. The proposed IPU Result Compiler and Analyzer is a very effective plus efficient GUI-based component. The project can be easily used in college for college result analysis of student. It reduces time which required for manual calculation. This system helps to calculate result fast so it optimizes the manpower. There is no software available of such type, building this kind of software will highly benefit the college students and the faculties. This software will give all the required student result details; various future enhancements such as result printing, aggregate calculation, etc. The overall result processing system is easier, flexible and requires less time.