



STUDENT REPORT CARD GENERATOR AND SENDER (SRCGS)

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ABSTRACT:

With educational institutes closed due to the COVID-19 pandemic, the government has been encouraging online education to achieve academic continuity. Most high-end private and public institutions have made the switch smoothly using online platforms such as Zoom, Google classrooms, Microsoft teams, etc... Students' academic evaluation and parent's teachers meeting is also a major part in education to improve students in academics. Due to online class circumstances its difficult to give students' academic report to each parents physically. So, I came up with this idea for ICFOSS Engineering Python Internship Project.

Student Report Card Generator and Sender (SRCGS) System is a software aims to generate report card of students including the total and percentage of each student's academic performance in each examination using basic data about School name, Academic year etc.. and the mark sheet uploaded as .csv file by the teachers and sends this report card using given mail id on .csv file to the concerned parent or student. Simply it's a 2-in-1 process report card generation and sending on a click.

This software is very effective especially in the time of Covid-19 Pandemic where e-learning is the only way to move forward the academics. The School can send large amount of report card with an ease to all students individually. This reduces the effort taken to send their report card individually to a large extend.

With the simplistic GUI anyone can easily understand what all parameters are need and provide those with an ease.

This application uses Python Tkinter for GUI, Python Pandas for collecting students mark data from .csv file, Python smtplib used to send email to intended parents/students via Internet and Tkinter HTML View for downloading instructions pdf from google drive.

SOFTWARE REQUIREMENTS:

Software Language: Python

Software Language Modules: Tkinter, Pandas, smtplib, tkhtmlview

IDE: IDLE Python (3.8 64-bit)

OS: Windows 7 Ultimate Service Pack 3/8.1/10

HARDWARE REQUIREMENTS:

Processor: Intel® Pentium / AMD FX (Dual Core) above

RAM: 1 GB and above

Hard Disk: 2 GB and above

Display: LED 15.6" @ 1024 x 786 above

Media: USB/DVD/Internet

Internet: Any ISP providing 1Mbps (At least) 5Mbps and above (Recommended)