**Automated Attendance System using Image Processing**

**By**

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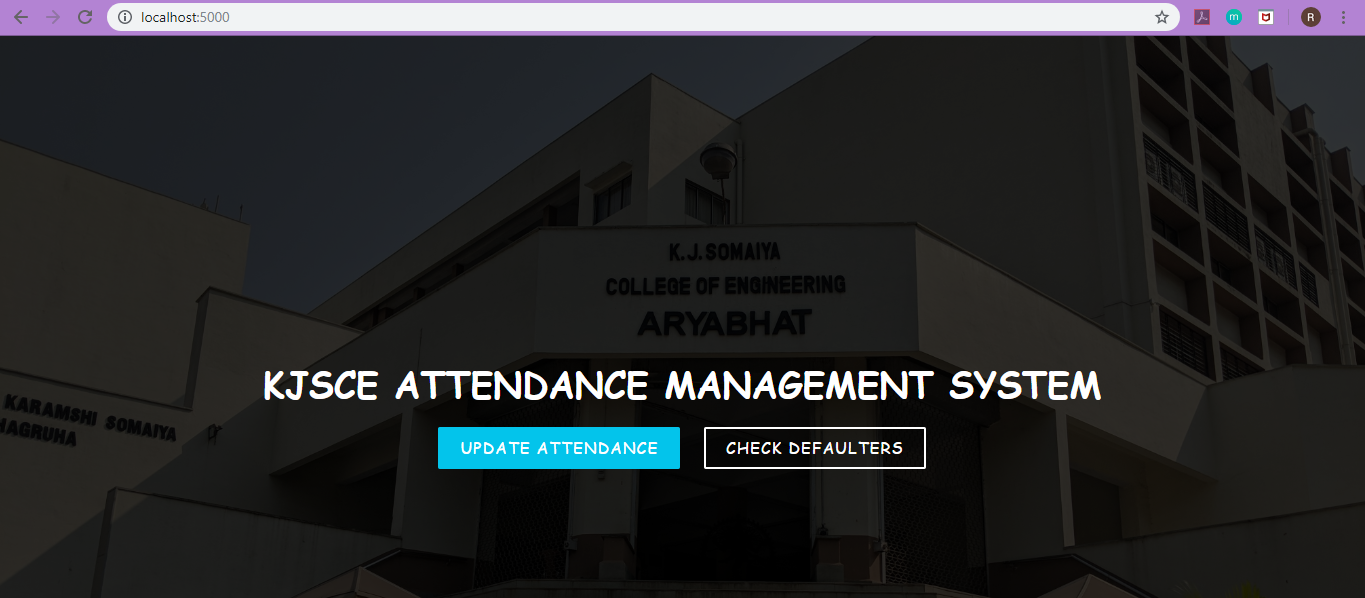
---------(Read Internship Report first to better understand the system)------

* Python version used: 2
* To run the attendance system

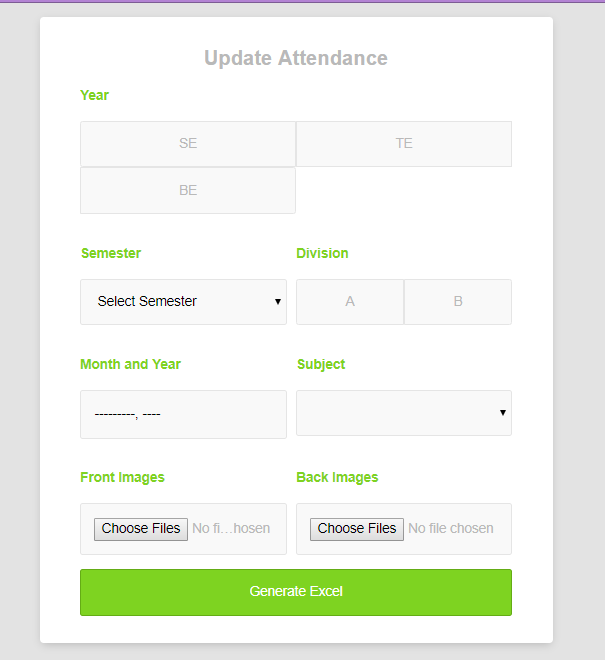
Go the main folder(Attendance New) in command prompt and type-

python2 FlaskTry.py

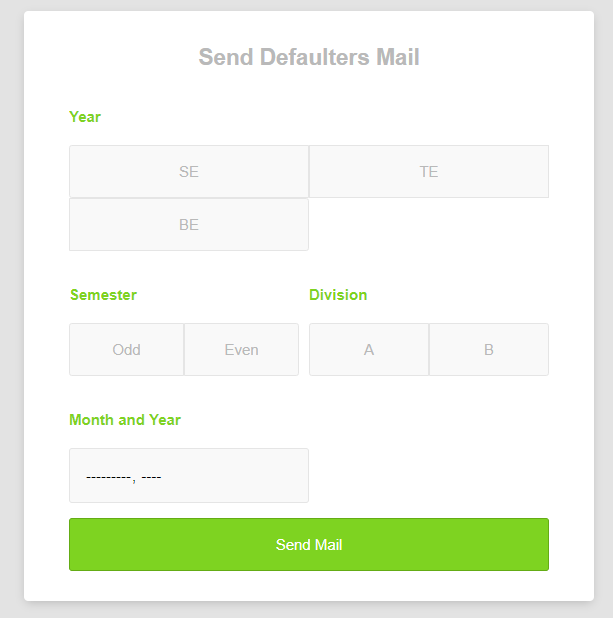
The system then runs on the localhost displaying two buttons with respective forms



Update Attendance- Upload scanned attendance sheets (multiple sheets can be done at once) and fill other fields in the form based on which respective sheets and class attendance will be updated.



Check Defaulters- This form sends mail to defaulter students based on the fields filled.



To send mail, we have used dummy id: [tanmay.bid1@gmail.com](mailto:tanmay.bid1@gmail.com) with password: bidbid123

email.xls is the file through which we get parent’s mail id but because of unavailability of parent’s data, we are using the same id mentioned above to receive mails for testing purpose.

* Dimensions of sheet and guidelines to mark absent
* To achieve higher accuracy and system to work properly, attendance sheet must be printed in a particular dimension:

|  |  |
| --- | --- |
| **Row Number** | **Row Height** |
| 4 | 35.4 |
| 5 | 18 |
| 6 | 11.3 |
| 7-10 | 37.5 |
| 11 | 15.6 |
| 12 | 19.5 |
| Rest all | 35 |

|  |  |
| --- | --- |
| **Column Name** | **Column Width** |
| A | 23.11 |
| B | 70.78 |
| C,D,E | 25 |
| F | 11 |

Refer Ty-A sheet from “Attendance Sheet\_dimensions.xls”

* Also, teachers must mark absent by writing ‘A’.

Refer sheets in ‘Final Scanned Images’ folder