

f) FRAMS (Facial Recognition Attendance Management System)

The Government of Andhra Pradesh has come up with a ‘Facial Recognition’ based software solution for the Management of Attendance in Govt. organizations, namely “Facial Recognition Attendance Management System (FRAMS)”. The FRAMS is used to Manage / Monitor the attendance of all the Staff and Students of the Government Colleges in Andhra Pradesh under the aegis of the CCE.

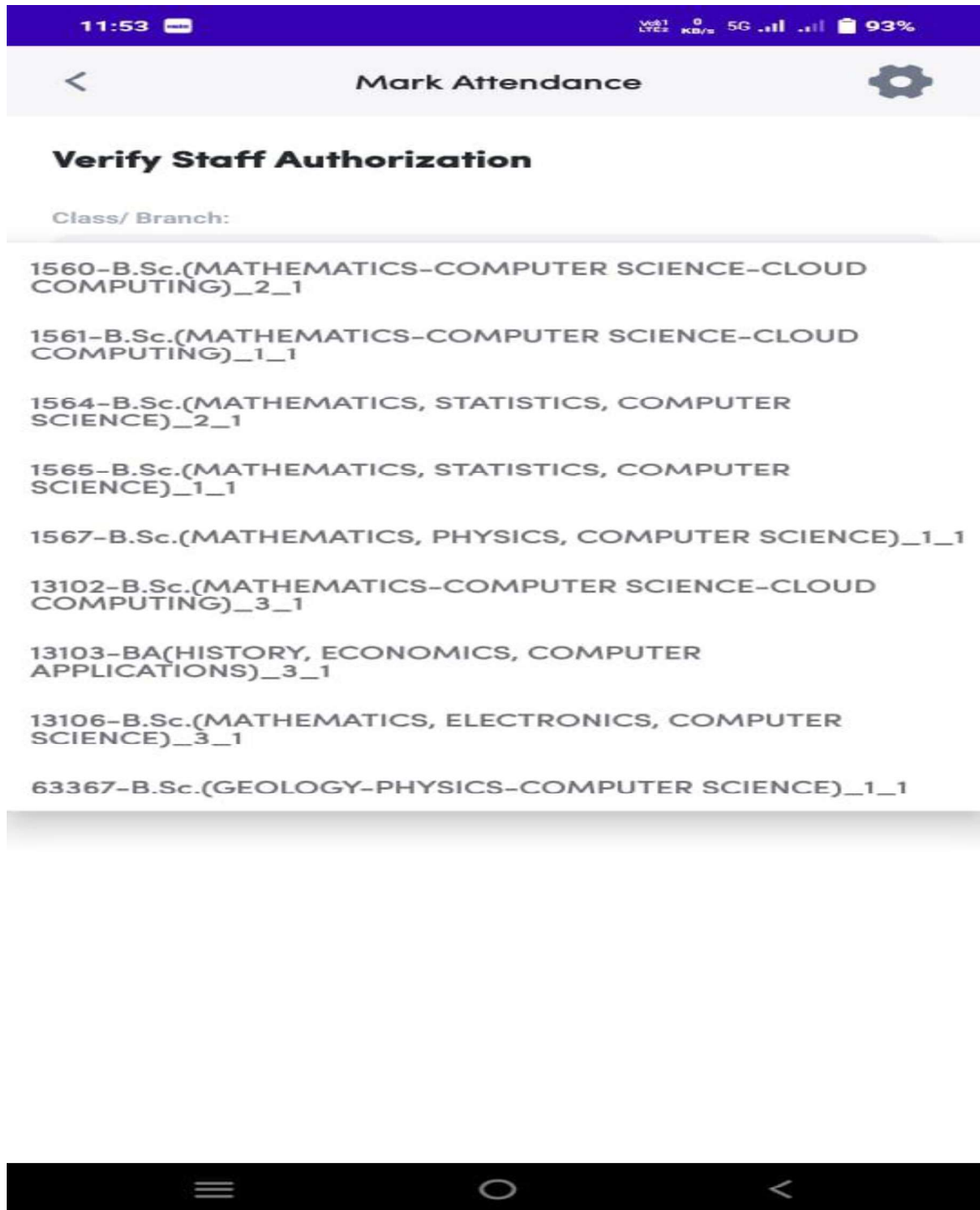
Functionalities & Features

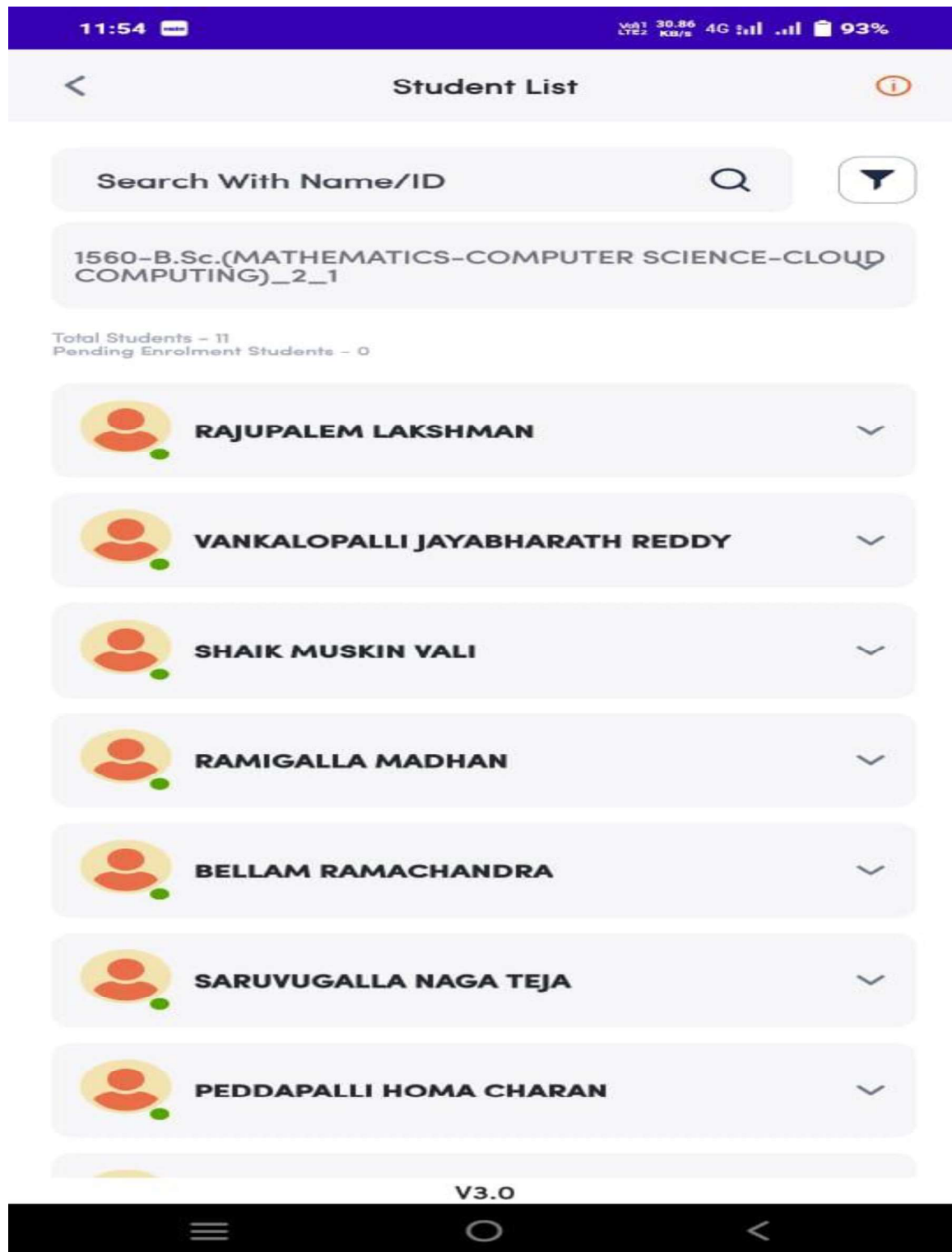
- The primary functionality of attendance capturing in FRAMS is based on ‘Facial Recognition and Presence’ of the staff or students.
- Mobile devices running on Android/iOS with a decent camera are the only required equipment to implement the utility at College/Classroom level.
- Students are registered in the FRAMS APP and organized into sections/classes. Similarly, staff are also registered in the APP based on facial recognition.
- Accordingly, Lecturers are mapped to sections as per the timetable.
- A lecturer needs to capture the image of self in FRAMS to mark self-attendance followed by capturing of the class through camera.
- The system recognizes facial differences between individuals with utmost accuracy and marks attendance, for instance, it can differentiate between twins, and between stationary objects (like pictures) and people.
- It accepts the attendance within the radius of Geo-coordinates of the college.
- Re-scanning adds the attendance of any individual(s) left out of the attendance.
- Encrypted Students’ & Staff data from Janmabhoomi portal of the Govt. of A.P. is used for managing attendance.

Outcomes

- Use of simple tool like a mobile device helps in averting problems that arise with biometric devices in practice.
- High accuracy of attendance management in relatively less time.
- Unbiased attendance using facial capturing and detecting.







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Class Mapping

Search With ClassName

Please click on the sync button in home page to sync the data after mapping the classes here

	BA(HISTORY, POLITICAL SCIENCE, URDU)_2_1	Total Students 0	View	
	BA(HISTORY, POLITICAL SCIENCE, ADVANCED URDU)_1_1	Total Students 11	View	Add Class
	BA (HPU)_3_1	Total Students 1	View	Add Class
	B.Sc.(MATHEMATICS-COMPUTER SCIENCE-CLOUD COMPUTING)_2_1	Total Students 12	View	Remove Class
	B.Sc.(MATHEMATICS-COMPUTER SCIENCE-CLOUD COMPUTING)_1_1	Total Students 12	View	Remove Class
	BA(HISTORY, ECONOMICS, COMPUTER APPLICATIONS)_1_1			