

# STREAM ANALYSIS FOR CAREER CHOICE APTITUDE TESTS

SANA VK(TCR19MCA022)  
Guided by Husain Ahamed P

MCA, Semester VI  
Department of Computer Application

Government Engineering College, Thrissur

Main Project Final Presentation, JUNE 2022

# Outline

- 1 Introduction
- 2 Existing System
- 3 Proposed System
- 4 Modules
- 5 Requirements
- 6 Results
- 7 Future Enhancement
- 8 Conclusion
- 9 Reference

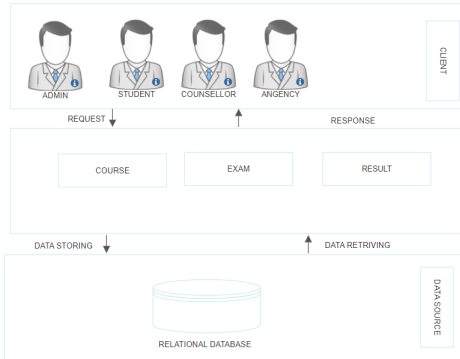
- Most of the users are confused while selecting their streams according to their capability
- User can select career choice based on their IQ.
- The main aim of the project is to help user for choosing their career option.
- System helps the user to select their career choice according to their interest in particular field.
- Users attend exams and the score in these exams are considered to recommend streams.

- In existing system, students learn about various courses from many sources, such as advertisements, internet, friends etc.
- But they may be confused to choose from this list as it may contain a lot of courses.
- Students tend to choose courses with less fee structure. In most cases, students do not opt for courses that match their

- In our proposed system, we conduct tests or exams.
- Registered candidates can attend these exams.
- On completion of the exam, their score is updated to the server.
- Based on their score counsellors can recommend them to agencies.
- Thus the students get recommendation of courses.

- ADMIN- Course Details, Main Stream, Sub Stream, Question, View Student Details, View .
- STUDENTS- Take test, Results.
- COUNSELOR- Review the candidate performance, Interact with candidate to recommend courses, Notify agencies about candidates.
- AGENCY- Manage course details, Interact with candidate, Manage admission of candidate.

# Architecture Diagram



# Requirements

## SOFTWARE REQUIREMENTS


- Operating System: Windows 8 or above
- Front End: HTML, CSS, JavaScript
- Back End: Python ,Android, MySQL
- IDE: PyCharm, Android Studio
- Framework: Flask


## HARDWARE REQUIREMENTS


- Processor: Intel Core i3 or above
- Hard Disk Space: 320 GB
- Memory: 4 GB RAM or above




# RESULTS – Web application



**ADMINISTRATOR**

**Welcome Admin**




NAVIGATION

- Home
- Course
- Main Stream
- Sub Stream
- Counsellors
- Agency
- Student
- Change Password
- Logout


We are here for your care


## Best Care & Better College


Lorem ipsum dolor sit amet, consectetur adipiscing elit sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Quis ipsum suspendisse ultrices gravida. Risus commodo viverra



# RESULTS – Web application



 ADMINISTRATOR

 [Department](#) / [View Department](#)  
REGISTERED DEPARTMENTS

NAVIGATION

[Home](#)

[Course](#)

[Main Stream](#)


[Sub Stream](#)


[Counsellors](#)


[Assessments](#)

#	DEPARTMENT		
1	BA	<a href="#">UPDATE</a>	<a href="#">DELETE</a>
2	BSC	<a href="#">UPDATE</a>	<a href="#">DELETE</a>
3	BCOM	<a href="#">UPDATE</a>	<a href="#">DELETE</a>

# RESULTS – Web application



 ADMINISTRATOR

 [Admin](#) / [Admin](#)

NAVIGATION

[Home](#)

[Course](#)

[Main Stream](#)

[Sub Stream](#)

[Counsellors](#)

[Agency](#)

[Student](#)

[Change Password](#)


[Logout](#)


#	Main Stream	Substream		
1	COMMERCE	FINANCE	<a href="#">delete</a>	<a href="#">Questions</a>
2	COMMERCE	MARKETING	<a href="#">delete</a>	<a href="#">Questions</a>
3	COMMERCE	ECONOMICS	<a href="#">delete</a>	<a href="#">Questions</a>
4	ARTS	ENGLISH	<a href="#">delete</a>	<a href="#">Questions</a>
5	ARTS	HISTORY	<a href="#">delete</a>	<a href="#">Questions</a>
6	ARTS	MALAYALAM	<a href="#">delete</a>	<a href="#">Questions</a>
7	SCIENCE	CHEMISTRY	<a href="#">delete</a>	<a href="#">Questions</a>


# RESULTS – Web application


☰

▼

 Agency

 Student

 Change Password

 Logout


option D


answer



Add

si no	questions	option A	option B	option C	option D	answer	
1	Who first discovered America?	Colombus	Thomas	John	Tom	Colombus	Delete
2	Maryland was founded by?	Calvert Family	Mary Magenta	Mary Wales	Charlotte John	Calvert Family	Delete
3	Battle of Plassey fought in?	1757	1782	1748	1764	1757	Delete
4	Tripitakas are scared book of?	Budhists	Hindus	Jains	None	Budhist	Delete
5	Victory of Karikala potrayed in?	Palamoli	Aruvand	Pattinappalai	Padirrupattu	Pattinappalai	Delete
6	Todar Mal was associated with	Music	Literature	Finance	Law	Literature	Delete

# RESULTS – Web application



 ADMINISTRATOR

  All Student

NAVIGATION

[Home](#)

[Course](#) ▾

[Main Stream](#) ▾

[Sub Stream](#) ▾

[Counsellors](#)





[Agency](#)

[Student](#)


[Change Password](#)


[Logout](#)


[go](#)

Sno	student name	photo	gender	dob	contact	email	
1	Bindya		female	2000-09-18	788945214587	bindya@gmail.com	<a href="#">Result</a>
2	Kavi		male	2022-12-31	7854877878	kavi@gmail.com	<a href="#">Result</a>
3	Shyni		female	2022-12-31	7845784578	shyni@gmail.com	<a href="#">Result</a>
4	Mamtha K		Female	1995-09-22	9645517552	mamthaksunilkumar@gmail.com	<a href="#">Result</a>

# RESULTS – Web application



**ADMINISTRATOR**

**Admin / Councillor**  
**View Councillors**

NAVIGATION

[Home](#)

[Course](#)

[Main Stream](#)

[Sub Stream](#)

[Counsellors](#)




[Agency](#)

[Student](#)


[Change Password](#)


[Logout](#)


[search](#)

Sno	Staff name	Photo	Gender	Dob	Qualification	Qxperience	Contact	Email	
1	Likhil		male	2022-03-05	Btech	10 years in CAPEC	7854125487	tlikhail@gmail.com	<a href="#">Reject</a>
2	Sujatha		female	2008-11-30	Med	10 years	7845126589	sujatah@gmail.com	<a href="#">Reject</a>
3	Shijo PT		Male	1993-07-13	Msc psychology	5years	7596859685	shijopt@gmail.com	<a href="#">Reject</a>

# RESULTS – Web application



**ADMINISTRATOR**

 **Admin / Councillor**  
**View Councillors**

NAVIGATION

[Home](#)

[Course](#)

[Main Stream](#)

[Sub Stream](#)

[Councillors](#)




[Agency](#)

[Student](#)



[Change Password](#)



[Logout](#)

[search](#)










Sno	Agency	Logo	Place	Post	Pin	Phone	Email		
1	disha		Calicut	Kommeri	673007	9090909090	disha@gmail.com	<a href="#">Reject</a>	
2	sureshot@gmail.com		Calicut	Mavoor road	673009	9089786754	sureshot@gmail.com	<a href="#">Reject</a>	
3	Direction		Kozhikode	Eranjipalam	673004	9645968596	direction@gmail.com	<a href="#">Reject</a>	

# RESULTS – Web application

**ADMINISTRATOR**



NAVIGATION

-  Home
-  Course ▾
-  Main Stream ▾
-  Sub Stream ▾
-  Counsellors
-  Agency
-  Student
-  Change Password
-  Logout

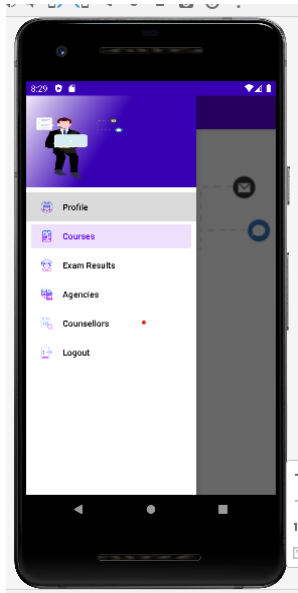
**CURRENT PASSWORD**

**NEW PASSWORD**

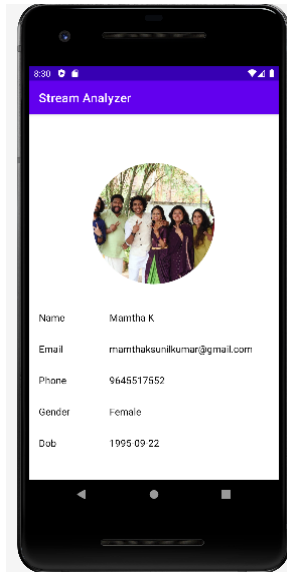
**CONFIRM PASSWORD**



# RESULTS-Android



# RESULTS-Android



# RESULTS-Android

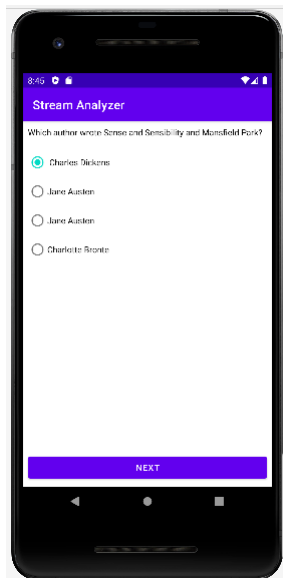


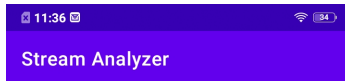
# RESULTS-Android



# RESULTS-Android







According to your scores we suggest you may choose  
the following

**MAIN STREAM** BA

**SUB STREAM** MALAYALAM

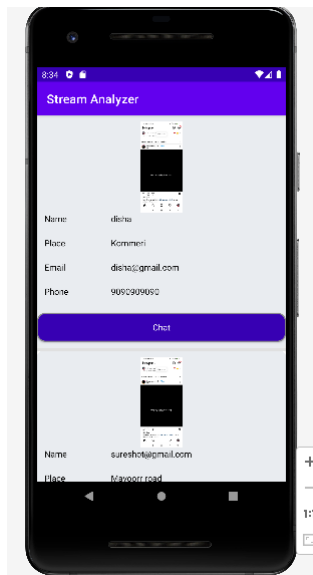
**COURSE** ARTS

Course	MALAYALAM
Main Stream	BA
Sub Stream	ARTS
Result	11.0/25

Course	HISTORY
Main Stream	BA
Sub Stream	ARTS
Result	9.0/30

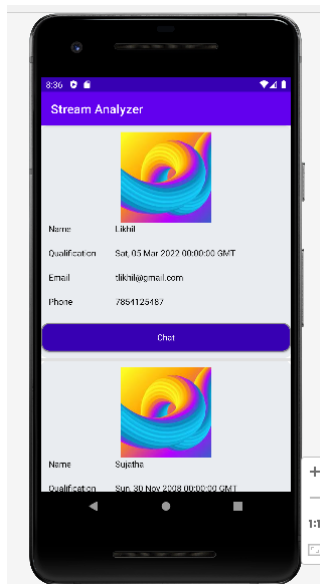
Course	ENGLISH
Main Stream	BA
Sub Stream	ARTS
Result	10.0/35

# RESULTS-Android





# RESULTS-Android



- In the future the work could be extended. Since the proposed project is targeted only for the HSC and SSC students, there still remains a wide scope for growth. In the future more functionality can be added which will facilitate the stream analysis of students from various different streams and majors. Some of the streams which can be added in the future are Engineering, medical, MBA etc. For example an engineering student can give an online aptitude test to determine which specialization he or she should pursue his BE degree in example Civil Mechanical, CSE etc.

- The advantage of the system over existing system was the lack of confusion in choosing courses from given set. In existing system, students get confused while choosing from a lot of courses, which may result in choosing courses that do not match their skills. The proposed system proves to be very helpful for students in choosing courses that suit their skills.



## A Prototype for a Data Mining Based Pathfinder to Sudanese Universities

*UKSim-AMSS 16th International Conference on Computer Modelling and Simulation(2014).*



## Fuzzy MADM for Major selection at senior high school||

*(Proc. of 2015) 2nd Int. Conference on Information Technology, Computer and Electrical Engineering (ICITACEE), Indonesia. .*



## Prediction of study track by aptitude test using java.||

*<http://www.e-ijaet.org/media/44/21-IJAET0721380> Rough Apriori algorithm and the Application of an aid system of the Campus Major Selection.||;(2009) International Conference on Research Challenges in Computer Science. .*



Predicting university performance in a subject based on high school majors

978-1-4244-4136-5/09/ ©2009 IEEE..



Prediction and Analysis for Students' Marks Based on Decision Tree Algorithm

*Intelligent Networks and Intelligent Systems (ICINIS), 2010 3rd International Conference on Digital Object Identifier:10.1109/ICINIS.2010.59 Publication Year: 2010.*

*THANK YOU*