29

Project Title:

Analysis of Emerging Technology Trends Around the Globe (2014-18)

Project description:

This undertaking analyses the evolution of generation traits around the globe from 2014 to 2018, using the predictions made in the Horizon Report, IEEE and MIT Technology Review. Horizon Report has been published yearly since 2004. Each edition tries to forecast the most promising technologies likely to impact. This research applies social evaluation, primarily based on Google Trends(GT), and bibliometric analysis, with information from IEEE, Hindawi, Wiley Online Library(WOL), JSTOR, Questia, Springer and Web of Science(WOS), with a purpose to discover which technology had been a hit and sincerely impacted mainstream training, and which one failed to have the anticipated impact. This mission gives guidelines that can be beneficial to those who are looking forward to investing in new research regions.

Programming Language:

Python, PHP

Platform:

Web

Group Members:

Aiman(15-NTU-1142)

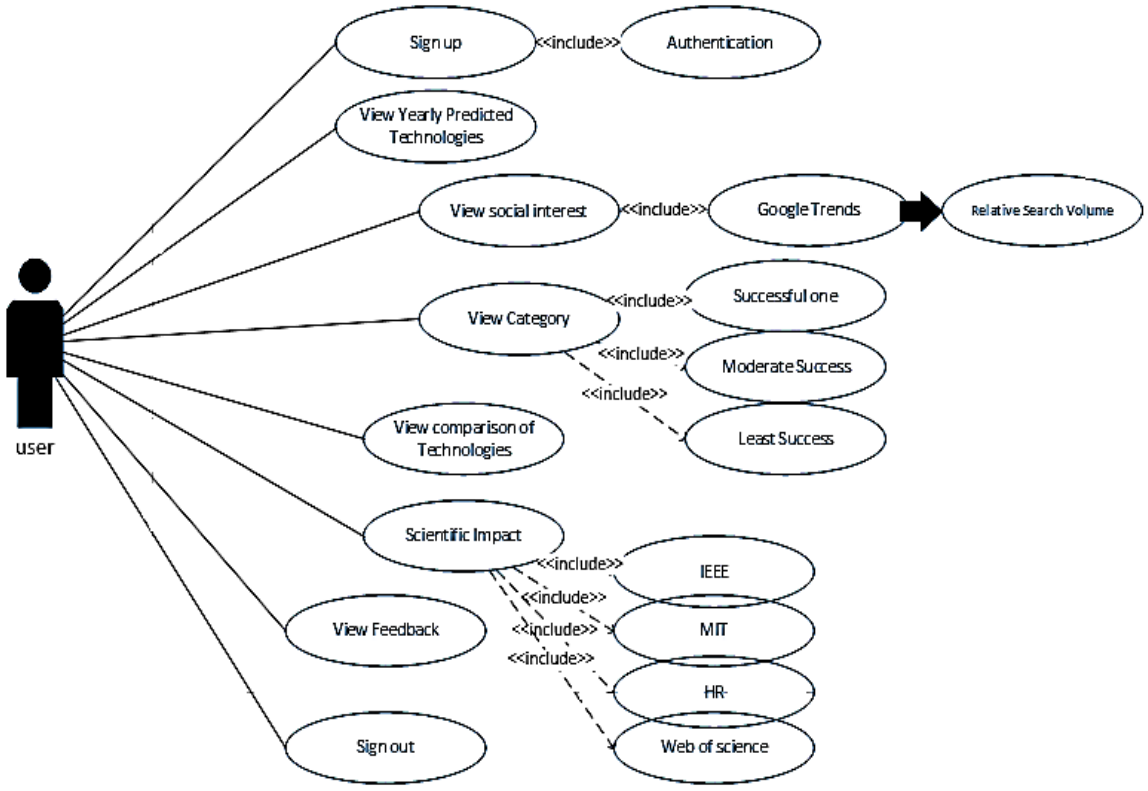
Muhammad Usman Aslam(15-NTU-1174)

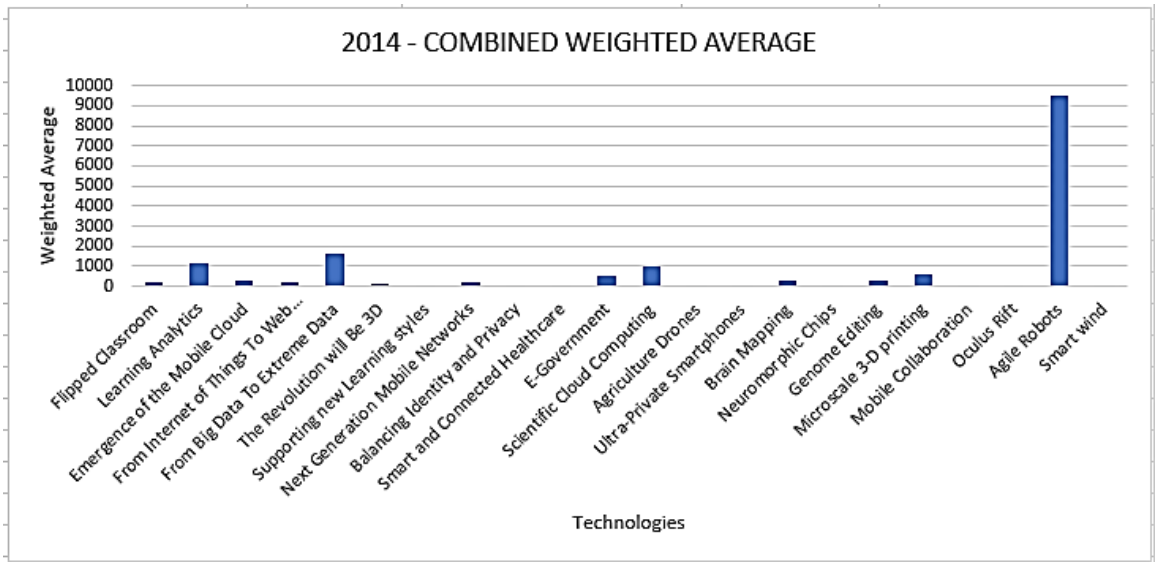
Zain-ul-Abidin(15-NTU-1184)

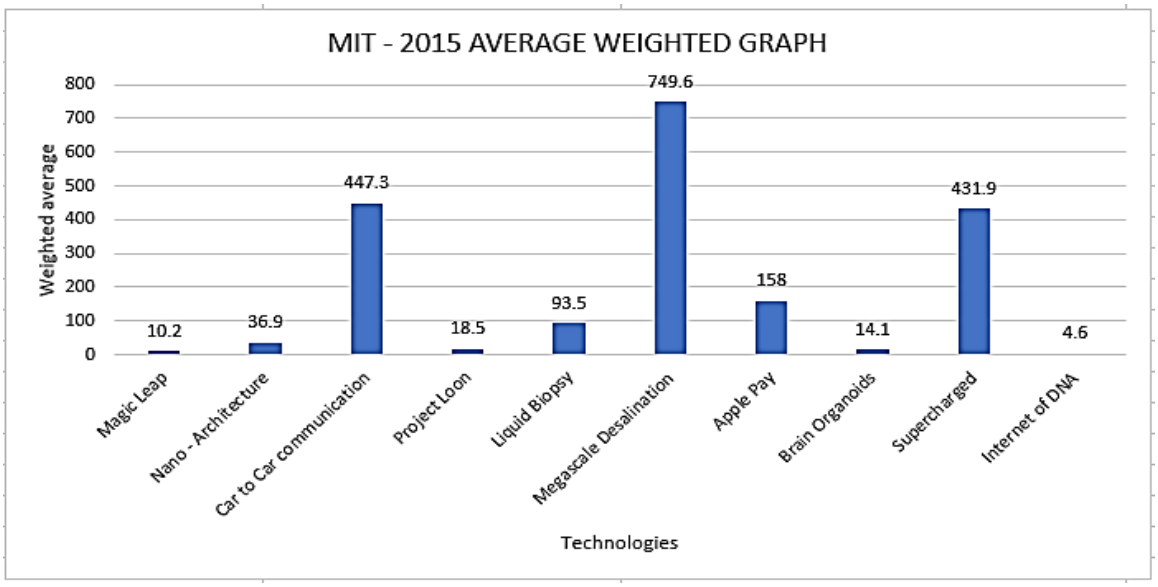
Supervisor & Co-supervisor:

Dr. Sohail Jabbar

Dr. Isma Hamid


Sign up
<<include>>
Authentication
View Yearly Predicted Technologies
View social interest
<<include>>
Google Trends
Relative Search Volume
View Category
<<include>>
Successful one
<<include>>
Moderate Success
<<include>>
Least Success
View comparison of Technologies
Scientific Impact
<<include>>
IEEE
<<include>>
<<include>>
MIT
<<include>>
HR
Web of science
View Feedback
Sign out
user


2014 - COMBINED WEIGHTED AVERAGE
Weighted Average
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Flipped Classroom
Learning Analytics
Emergence of the Mobile Cloud
From Internet of Things To Web...
From Big Data To Extreme Data
The Revolution will Be 3D
Supporting new Learning styles
Next Generation Mobile Networks
Balancing Identity and Privacy
Smart and Connected Healthcare
E-Government
Scientific Cloud Computing
Agriculture Drones
Ultra-Private Smartphones
Brain Mapping
Neuromorphic Chips
Genome Editing
Microscale 3-D printing
Mobile Collaboration
Oculus Rift
Agile Robots
Smart wind
Technologies



30

Project Description:

File Tracking System (FTS) is a web-based application that helps to track file and check the progress level. The application allows users to maintain constant vigilance on the movement of various important documents in the decision-making process. The main purpose of the project is to track file details such as, in which department the file is available, so employees can know the status of the file by simply accessing the website and saving time.

Programming Language:

CorePHP, jQuery, HTML5, JavaScript, Ajax, CSS3

Database:

MySQL and phpMyAdmin

Platform:

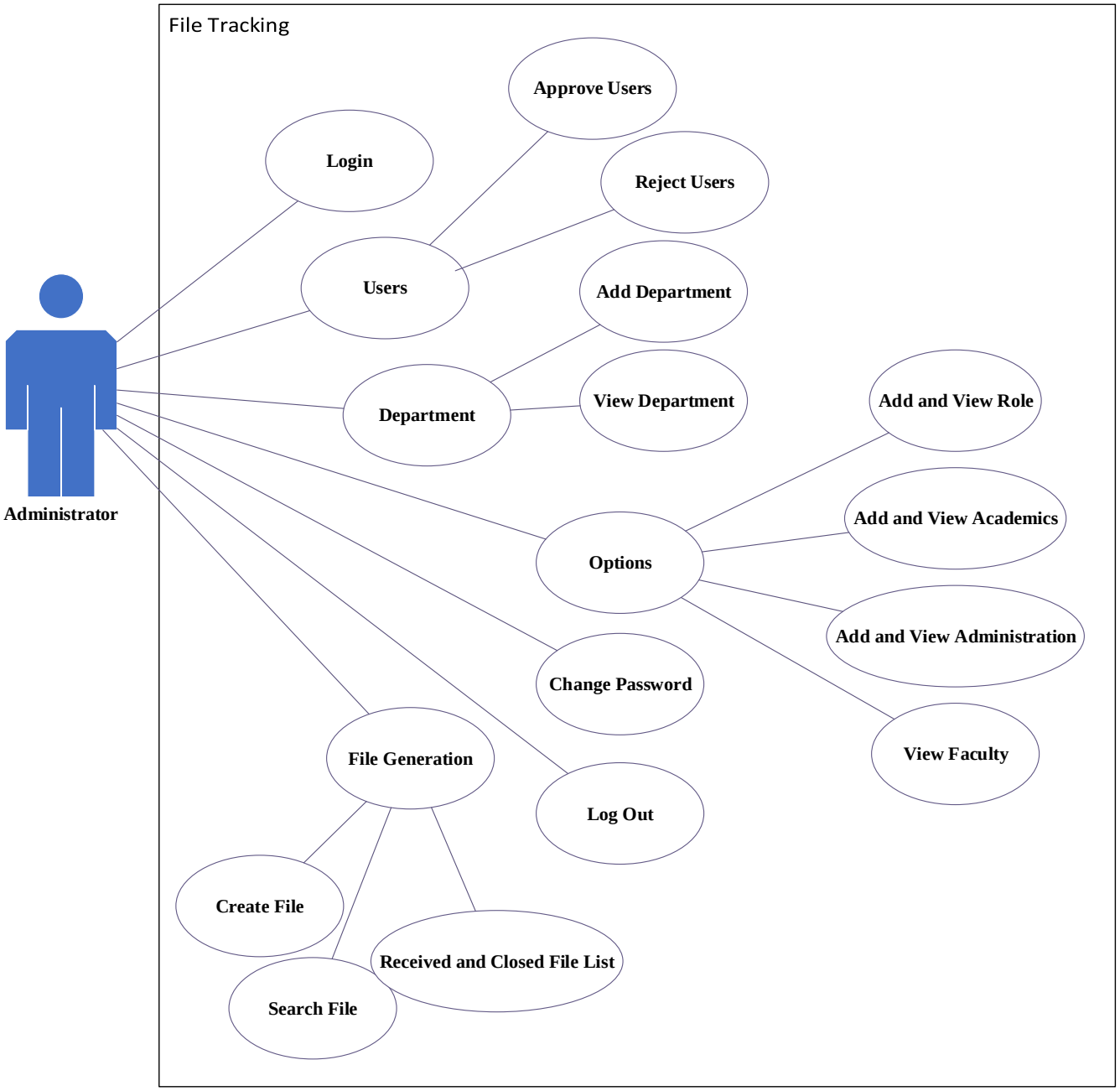
Web

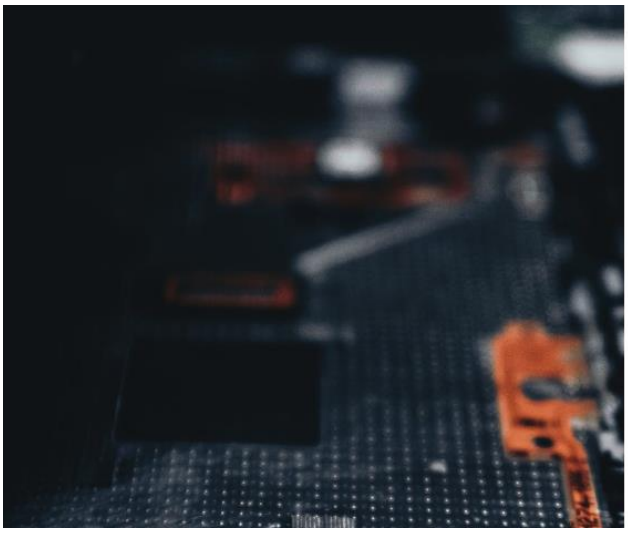
Group Members:

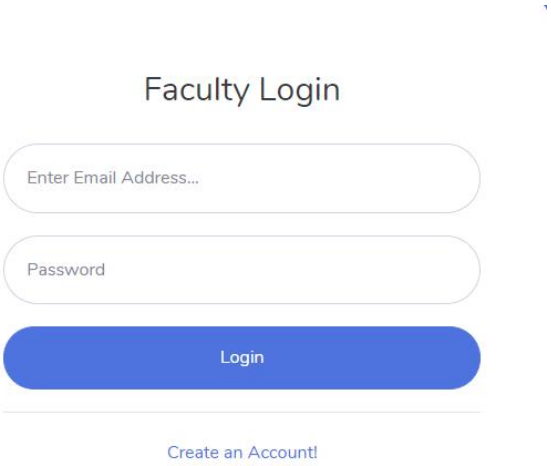
1. Hasan Sarwar (15-NTU-1156)
2. Shahnoor (15-NTU-1177)
3. Umar Hayat (15-NTU-1182)

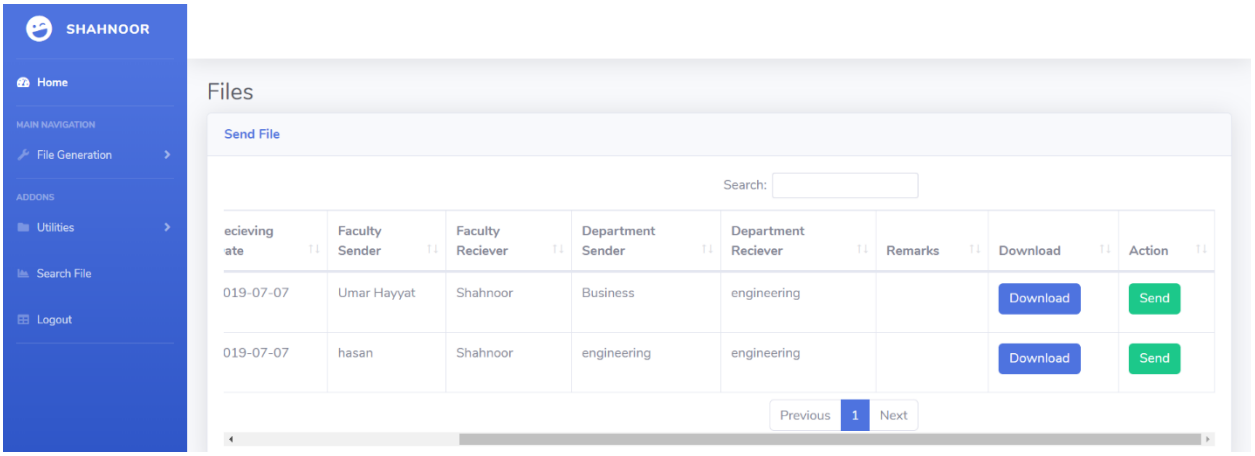
Supervisor and Co-supervisor:

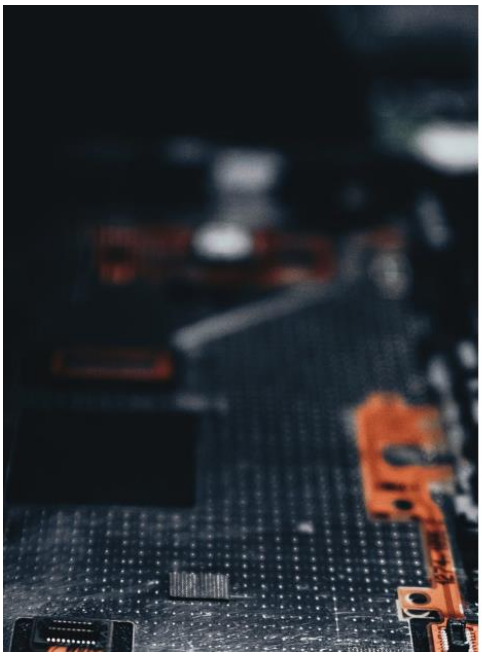
Dr. Nadeem Faisal
Dr. Haseeb Ahmad


File Tracking
Approve Users
Login
Reject Users
Users
Add Department
Department
View Department
Add and View Role
Administrator
Add and View Academics
Options
Add and View Administration
Change Password
View Faculty
File Generation
Log Out
Create File
Received and Closed File List
Search File




Faculty Login
Enter Email Address...
Password
Login
Create an Account!


SHAHNOOR
Home
MAIN NAVIGATION
File Generation
ADDONS
Utilities
Search File
Logout
Files
Send File
Search:
ecieving ate
Faculty Sender
Faculty Reciever
Department Sender
Department Reciever
Remarks
Download
Action
019-07-07
Umar Hayyat
Shahnoor
Business
engineering
Download
Send
019-07-07
hasan
Shahnoor
engineering
engineering
Download
Send
Previous
1
Next



31

Project Title

STORE IT

project description

The Problem for which we have created this app is that there are many shops and stores present outside the street or colonies, but people in those streets don't have a way to get their products and things or orders directly at home without going to the shop or store. Through this application, the user will get the desire utility directly to their home without going to a shop. The app will facilitate the customer as well as increase the productivity of the shop. The purpose or goal of the project is to provide the user their desire utility directly to their home. To obtain the main goal we will have some sub goals. In sub goals we have Google GPS for finding location, searching feature and chat or call system.

Programming Language

Java

Database

Firebase

Platform

Android Studio

Group Member

Asim Ali 15-NTU-1147

M.Ali Zohaib 15-NTU-1162

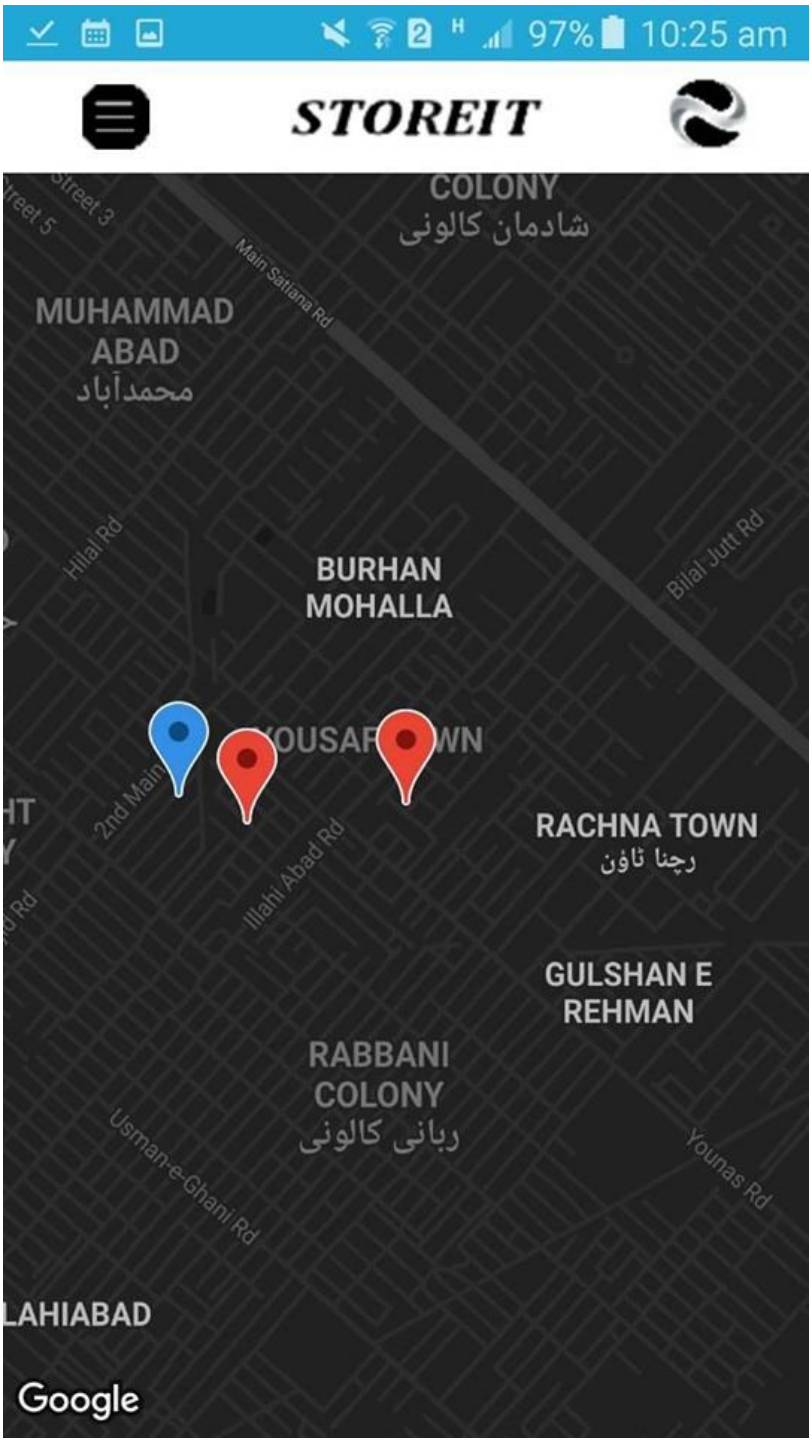
M.Bilal 15-NTU-1166

Supervisor

Dr. Muhammad Asif Malik

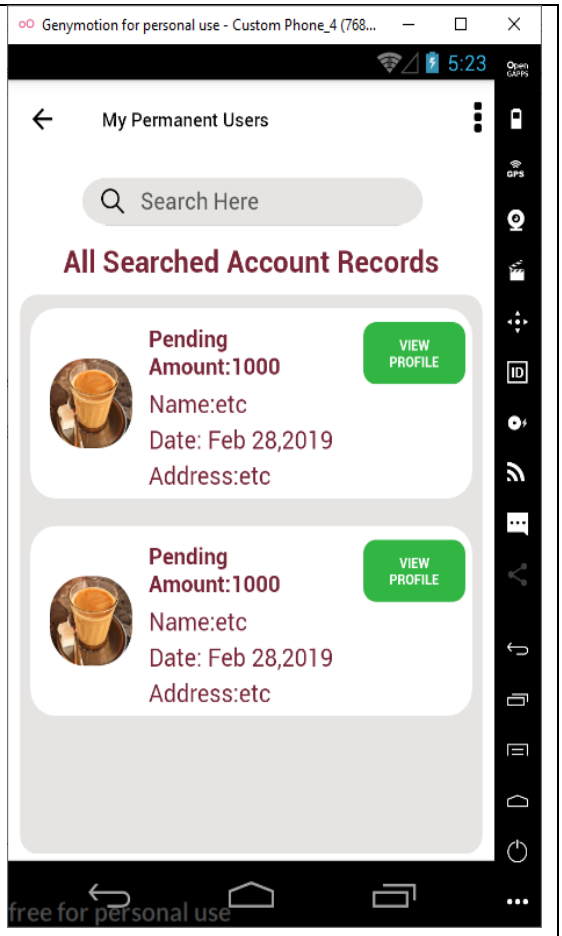
Co-Supervisor

Mr. Waqar Ahmed


97% 10:25 am
STOREIT
COLONY
شادمان کالونی
Main Satiana Rd
MUHAMMAD
ABAD
محمدآباد
Hilal Rd
BURHAN
MOHALLA
Bilal Jutt Rd
2nd Main
Illahi Abad Rd
RACHNA TOWN
رچنا ٹاؤن
GULSHAN E
REHMAN
RABBANI
COLONY
ربانی کالونی
Usman-e-Ghani Rd
Younas Rd
Google

Project Title: ChaiWala

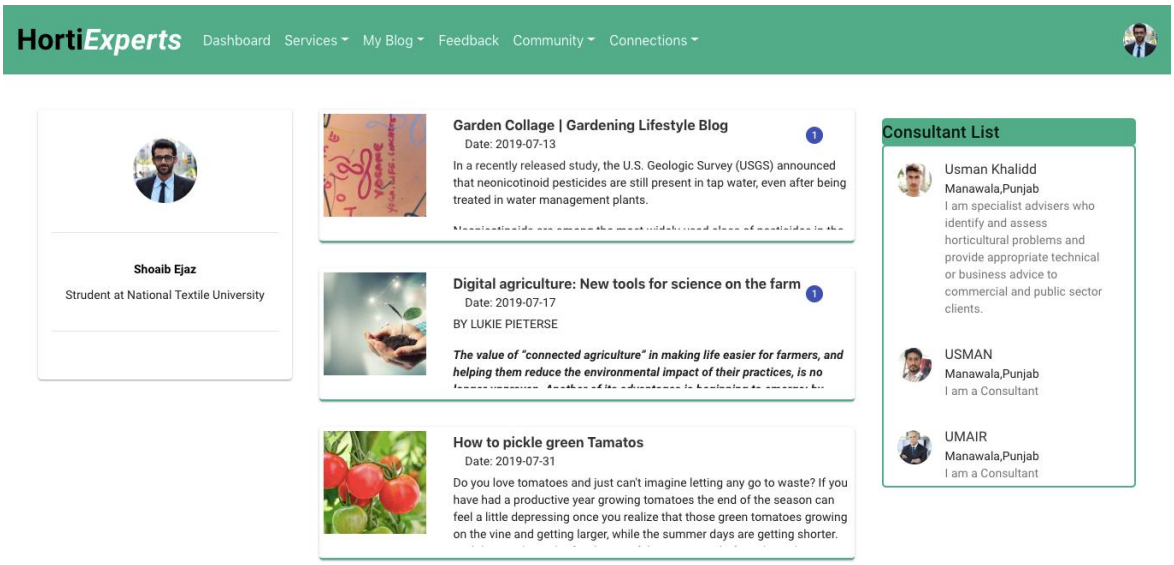
Project Description	Chai market is of greatest value nowadays but there are some tactical issues to deal with it. So, in this product, it's being planned to centralize all the chai points at a single platform so that the users can easily select the best/nearby cafe and place an order. Here the user will also have an edge to track the order; consequently, home delivery will become more formalized, and customer level satisfaction is many times enhanced. Same like this, conventionally when a user visits different cafe then he/she has to wait for the order to come, and usually it becomes more time consuming especially when café is much crowded so in that scenario it's also better to have a single application that will provide all services of café whenever user will visit that particular café and then ordering of chai will also be comparatively much easier.
Programming Language	React Native & Node JS
Database	MySQL
Platform	Web
Group member	1. Farhan Akram (15-NTU-1168) 2. Ata Muhi -ul- din (15-NTU-1148) 3. Salman Ashraf (15-NTU-1360)
Supervisor & C0-supervisor	Mr. Muhammad Shahid Mr. Muhammad Nasir



Project Title Horti Experts

Project Description:	Horticulture is a growing the field of agriculture that deals with the cultivation and processing of plants, fruits, vegetables, flowers, aromatic and medicinal plants Nowadays, people attraction towards horticulture sector increases because the government is focusing on the horticultural industry due to its significant contribution in the economy as employment generators and industrial raw material provider. Liberalization, privatization, and globalization of world trade also generated the opportunities of employment for youths across the country. Thus, a horticultural graduate can provide his services in various fields such as horticulturist, floriculturist, pomologist, technician, horticultural consultant, horticultural therapist, botanical garden worker, greenhouse manager, landscape architect, viticulturist, a nursery manager and horticultural marketers in governmental and private institutions. Horticulture is an extremely diversified field with unlimited career opportunities in a variety of area, and it also includes conservation of plants, restoration, landscape, design, and construction.	

	Using “HortiExperts” our target is to provide graduates and consultant a platform where they can showcase their skills and build an online portfolio where they can attract the business to hire them and provide a solution to the local market and global market as well. Business can hire horticulture consultants can make them work for them.	
Programming Language	Reacts Symphony	
Database	MySQL	
Platform	Web	
Group Members	1. Muhammad Dawood Saddique 15-NTU-1167 2. Shoaib Ejaz 15-NTU-1180 3. Umair Maqbool 15-NTU-1181	
Supervisor & Co-supervisor	Dr. Haseeb Ahamad Dr. Muhammad Nadeem Faisal	



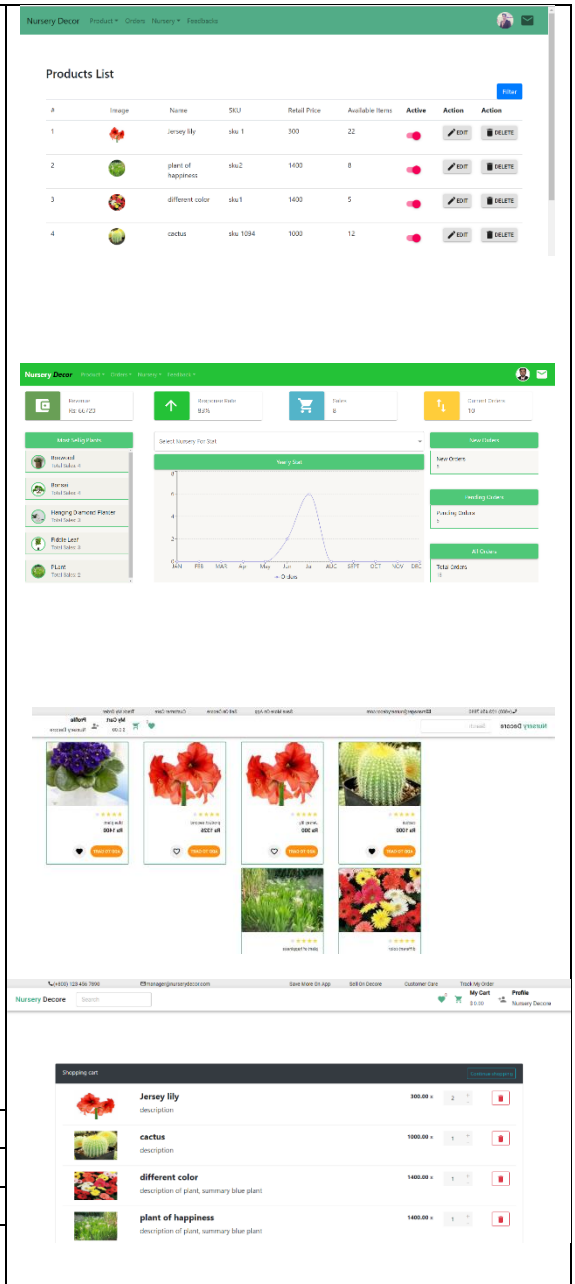
34

Project Title: Virtual Dressing Room

Project Description:	Virtual Dressing Room (VDR) is an app for the users of a clothing store and the owners of clothing stores/outlets. This app will facilitate those small shops who don't have enough space to exhibit their large variety of collections and allow them to show the maximum variety that will, in turn, reduce their cost of displaying the product. An online shopping facility will be provided with whole stock management. Owners will have the facility to provide for their customers a virtual dressing room in case of small shops with no changing room. Customers will have the facility to view the dresses on a 2D humanoid model and the facility of dressing combinations, a whole inventory will be provided to the customers where they can choose and design the outfit of their own choice. This will eventually save the time of both the customers and the owners.	
Programming Language	C#.net (6.0), Java	

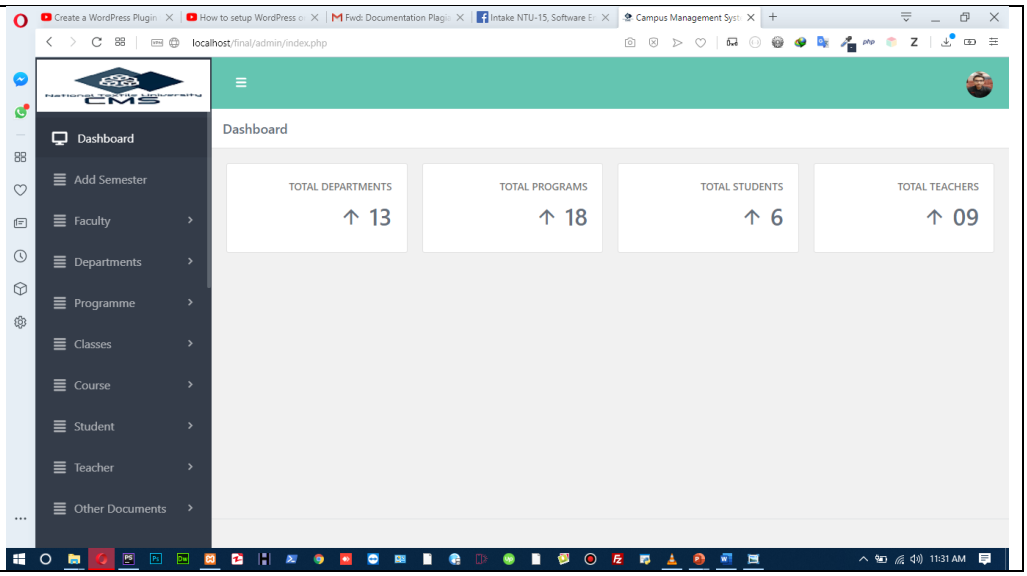
Database	Firebase (No SQL)	
Platform	Android, IOS	
Group Members	Hala Yasmin (15-NTU-1159) Hamza Afzaal (15-NTU-1155) Muhammad Adeel (15-NTU-1159)	
Supervisor & Co-supervisor	Mr. Waqar Ahmad Dr. Muhammad Asif	

Project Title: NurseryDecor

Project Description	Pakistan, in the world, is known as an agricultural country having a rich environment for gardening, plantation, and Government of Pakistan pay much attention to its plant industry. The main target of the project is to make the business a centralized online platform where these small businesses of nurseries can grow and play their part to improve the ecosystem. The manual process with access to the local market can be upgraded to the automatic process with access to the global market. For nurseries, this a best way to get to upgrade their business and it also help them. Complete order management process available, and nurseries can manage the stock of products in the nursery shop. This brought a new way of how people look towards the plantation with easy access to the plant industry.	
Programming Language	React & Symfony	
Database	MySQL	
Platform	Web	
Group member	1. Muhammad Muddassir (15-NTU-1171) 2. Muhammad Usman Talat (15-NTU-1172) 3. Muhammad Imtiaz Anwar (15-NTU-1170)	
Supervisor & C0-supervisor	Dr Sohail Jabbar Dr.Rehan Ashraf	

36

Sr#	Title	Web Based CMS For NTU
1.	**Project Title**	Campus Management System (CMS)
2.	**Project Description**	WEB Based CMS, having three modules Admin, Teacher, Student. All Teacher and Student relationship are cleared (Attendance, Lecture Uploading, Result Management, Course Details, Teacher Dossier, Teacher ACR).
3.	**Programming Language**	Front End: Bootstrap, JavaScript, HTML, CSS, Material UI Back End: Php and Ajax and PDO
4	**Database**	Mysql
5.	**Platform**	Web Based
6.	**Group Members**	Maryam Yousaf (15-NTU-1158) Muhammad Arslan (15-NTU-1163) Hafiz Muhammad Usman (15-NTU-1173)
7.	**Supervisor**	Dr. Muhammad Mudassar Ahmad.
8.	**Co-Supervisor**	Dr. Muhammad Asif Habib

9.	**Main Screen Images**	

Project Description:

Main purpose of this Syca (Sell your creative art) app is to provide a platform where user can sell your own creative art by providing them services. This app is to provide user skills related to their creative fields. These creative fields are Logo design, Business cards and stationery, Illustration, Portraits & Caricatures, Car Wraps, 3D Modeling and many more. Syca app consist of two type of module already develop work and customize work. Syca is intended to launch as innovative idea to centralize all the creative work according to their respective fields. Syca will incorporate all the problems that are usually faced by the customers and general audiences about predicated services.

Programming Language:

- Java
- XML
- PHP

Database:

- MySQL
- Firebase (Authentication)

Platform:

- Android

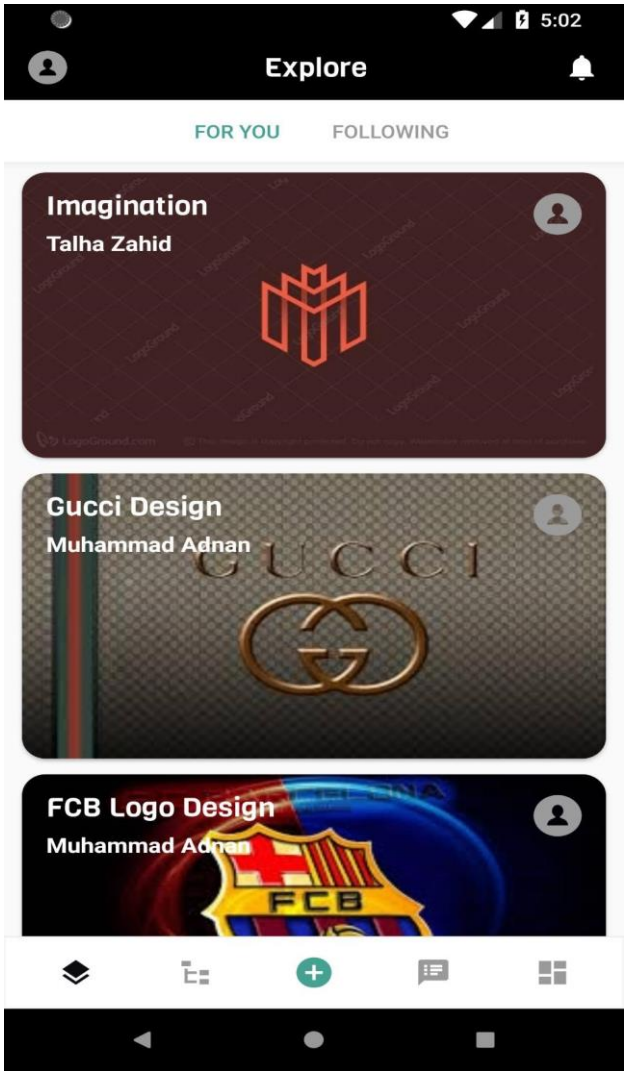
Group Member:

- Muhammad Talha (15-NTU-1185)
- Muhammad Arsalan Khalid (15-NTU-1361)
- Muhammad Adnan (15-NTU-1160)

Supervisor & Co-Supervisor:

- Mr. Muhammad Shahid
- Mr. Muhammad Adeel

Screen Shot:



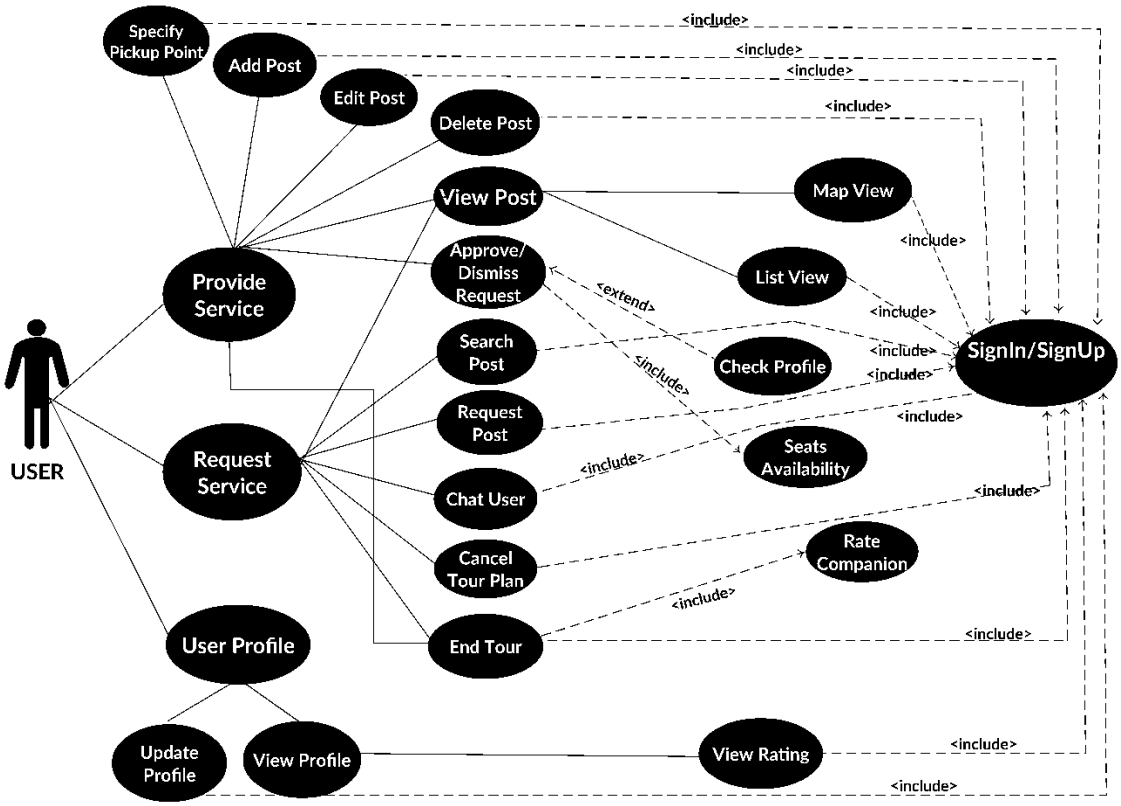
38

Project Title: Share Your Fare (Android Mobile Application)

Description	"Share your fare" is a travelling application which is used to provide a platform to a user to enjoy the facilities provided by the other user Two ideas have been implemented in this app. One is to plan a tour i.e. A person plans a tour with all the expenses, fares, departure location, departure date and time, and total days of tour are managed in that package and interested people can send request and if that tour planner accept his request they will contact with teach other and start travelling.

	Second is for sharing your fares i.e. A user has his own vehicle but it costs more if he travels alone. So, he can offer his service to other interested persons in his area who want to go to the same place. They will contact with each other for fare adjustment and start travelling, a user wants to travel but he has no vehicle, there are other travelers who are going to same place and have their own vehicles they will offer their services. He will send request to those travelers if they accept the request, they both can contact each other for fare adjustment and start travelling. They can also rate and see the profile of other companions.
Programming Language	Java
Database	Firebase Firestore
Platform	Android
Group Members	Khadija Saeed (15-NTU-1157) M.Ali (15-NTU-1161) M.Zubair (15-NTU-1175)
Supervisor	Dr. Rehan Ashraf
Co-Supervisor	Mr.Shabaz Ahmed Sahi

INTERFACE


Specify Pickup Point
Add Post
Edit Post
Delete Post
View Post
Approve/ Dismiss Request
Search Post
Request Post
Chat User
Cancel Tour Plan
End Tour
Map View
List View
Check Profile
Seats Availability
Rate Companion
View Rating
Provide Service
Request Service
User Profile
Update Profile
View Profile
USER
SignIn/SignUp
<include>
<extend>

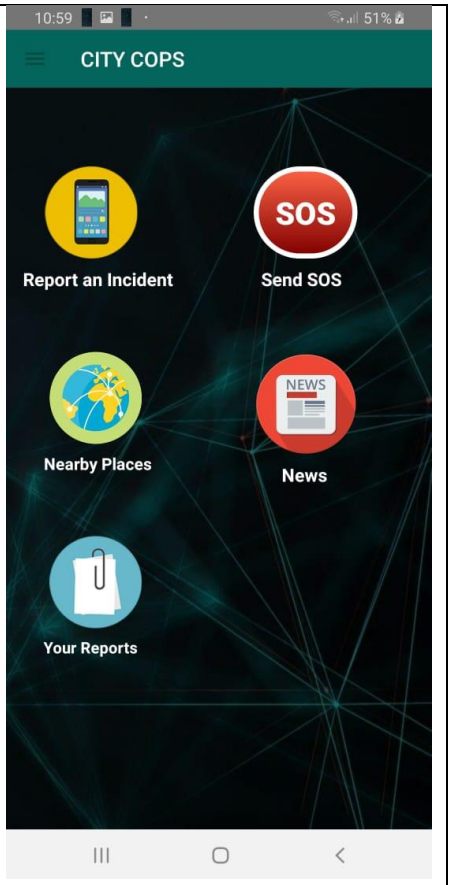
12:35 PM
SHARE YOUR FARE
TRIP PLANNER
Sign in with Email
Or Sign in with
Sign Up

12:55 AM
Posts
Chak 117
JB Dhanola
چک 117 ج
ب دھنولہ
Faisalabad - Multan Motorway
Bawa Chack
120 JB
نانک پورر
Faisalabad
فیصل آباد
Faisalabad - Samundri Rd, D Type Colony, Faisalabad, Punjab, Pakistan
Lahore Ring Rd, Khokhar Pind, Lahore, Punjab, Pakistan
Chak
Risalewala
چک رسالیوالا
Chak 225 RB
Malkhanwala
چک 225 رب
ملکھانوالہ
Chak 247
RB Miani
چک 247 ر
ب میانی
Chak 253 RB
Jahangir Kalan
چک 253 رب
جہانگیر کلاں

Project Title:

CityCOPs

Project Description	CityCops is an android and website-based project, developed to create a network between public, dolphin police and police stations. Public Application provides features like “reporting an incident” through which people can send alerts to nearby dolphin police as the events unfold, “SOS” through a text message without internet can be delivered to trusted contacts. Other feature like ‘nearby places’ and ‘News’ and ‘your reports’ will keep uses informed. Dolphin application enables dolphin police to keep an eye on all the nearby incidents and helps them to take timely actions against them. Website for police stations shows all the incidents and updates on them. It helps police stations to alert public about active criminals. In short CityCops helps to create a safe and secure living environment.
Programming Language	Java, JavaScript, HTML, CSS
Database	Firebase
Platform	Android, Web
Group Members	1. Fiza Khan (15-NTU-1151) 2. Zahra Hafeez (15-NTU-1183) 3. Aimen Ijaz (15-NTU-1143)
Supervisor	Dr. Muhammad Asif Habib
Co-Supervisor	Dr. Mudassir Ahmad



40

Project Title: Insight Dive

Description:

The Internet is enormous, complex and regularly advancing. Almost 90% of the considerable number of information on the planet has been produced throughout the most recent two years. In this tremendous sea of information, how can one get to the pertinent snippet of data? This is the place web scrapping dominates.

With Internet and web innovation spreading, enormous measures of information will be open on the web. Especially with expanded selection of portable web. As indicated by one report, by 2020, the quantity of portable web clients will hit 3.8 billion, or around half of the total populace!

Since 'big data' can be both, organized and unstructured; web scrapping tools will just get more keen and sharp. There is savage challenge between the individuals who give web scrapping solutions. With the ascent of open source dialects like Python, R and Ruby, Customized scrapping tools will just prosper getting another flood of information accumulation and aggregation strategies.Web scrapping is extremely helpful to get updates of information consequently even when content is changed in site and to get unpredictable and confused information that is important for your business from these sites. The scraping phase includes all the steps we go through to gather, prepare, and store the information we want to analyze. Things like extracting information from the web, dealing with any of data's idiosyncrasies that could impact analysis in unwanted ways, and storing the information in a format that makes for easy analysis, are all part of the scraping phase.

So, by using this technique this app can show the admission, events, workshops, seminars, symposiums and conferences related news or information's to all our targeted users (students, teachers, researchers, technical people and sports persons). And notify the users according to their concern.

According to Pakistan Higher Education Commission Report for 2013-14, there are over 3 million students enrolled in grades 13 through 16 in Pakistan's 1086-degree colleges and 161 universities. The 3 million enrollment is 15% of the 20 million Pakistanis in the eligible age group of 18-24 years.

The purpose of this application is to resolve the problem which students face after intermediate, Bachelors and Masters for getting admission in an institute and other information of institutes that if no one is there to guide them properly about their interest or field relevant institutes and the scholarships available in these institutes. The main other problem that youngsters face is they mostly don't have information about the events going to held around them and due to this, they don't avail that opportunities. Also, Researchers face the difficulty to get information about the conferences that held around the globe.

Through this, app engrossed in obtaining the structured data from the HEC associated university's websites regarding all that admission related information of institutes. this application will be bestowing interactive interface where users can get the information about the technical and non-technical events that held in different institutes to give opportunities to students and players for participation and help the researchers for getting details and notifications about conferences, workshops and seminars. This application is concerned in proffer the customizable interface to notify the users according to their preferences.

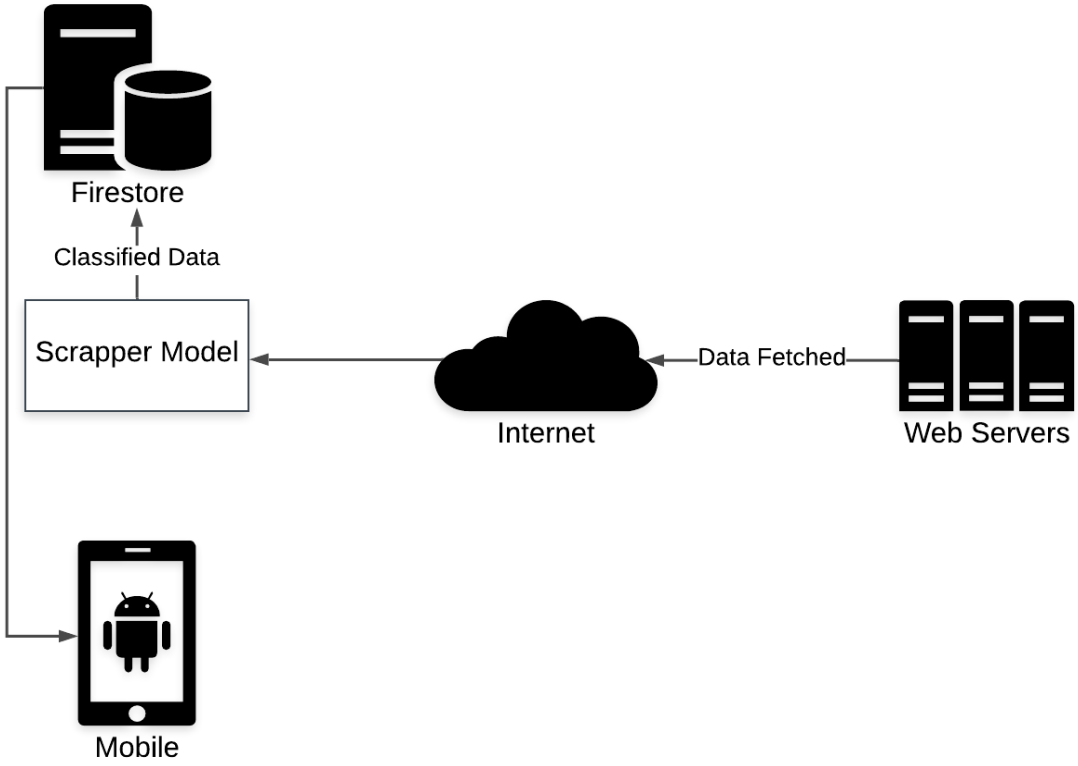
Group Memebers:

Aleena Tujammal 15-NTU-1144

Sabeen Parii 15-NTU-1176

Shoaib Akram 15-NTU-1179

Supervised By:
Mr. Shahbaz Ahmad


Firestore
Classified Data
Scrapper Model
Internet
Data Fetched
Web Servers
Mobile

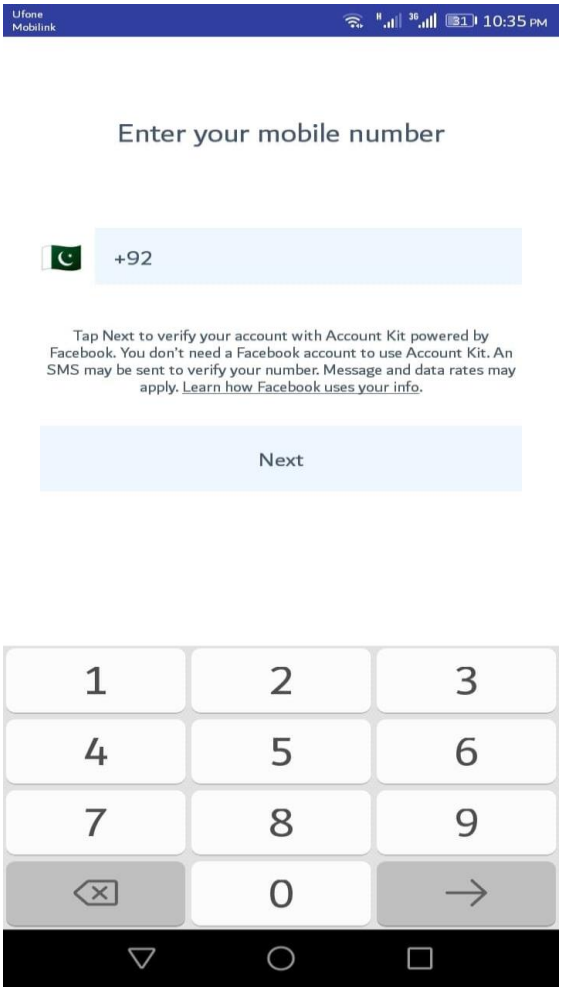


Figure 6-1 Login Success

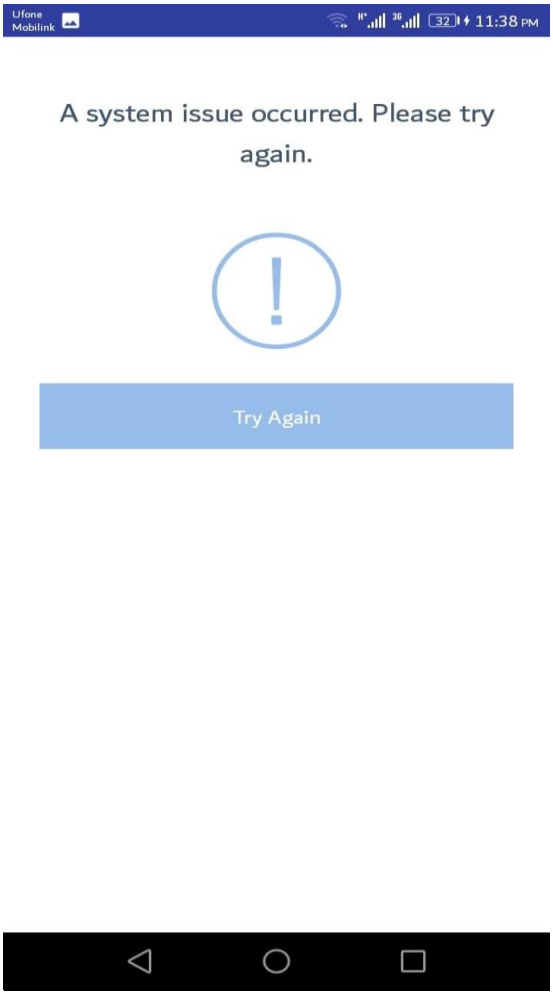
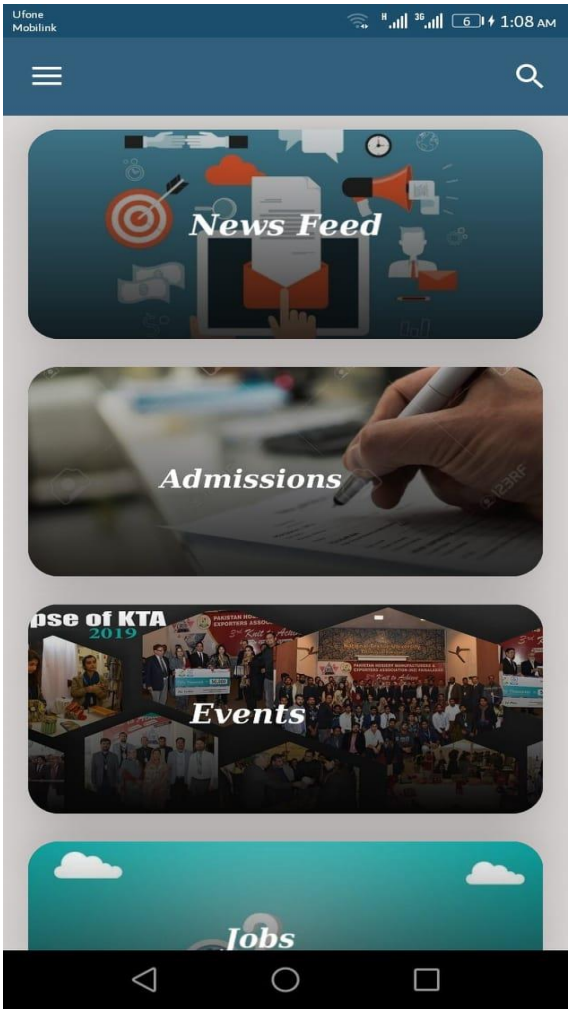


Figure 6-2 Login Failed



41

Title: E-Farming

Description

Pakistan, in the world, is known as an agricultural country and Government of Pakistan pay much attention to its agriculturist by providing multiple subsidies and many other benefits. Traditionally, a farmer adopts the regular process for cultivation. Sometime due to unwanted conditions a farmer does not know what he should do to save crops or for better yield. For this he communicates with others who had faced same problem or may have experience. The person suggests the solution to overcome the problem. The solution may contain multiple pesticide or fertilizers. After harvesting the crop, the main problem occurs for the farmer is to sell his crop with proper profit in the market. For a handsome profit he must find a good buyer. All this process of communication from asking someone for the crop that would be best according to his land of cultivation to earn money using it takes too much difficult jobs to find the best solutions.

One of the worst cases in agriculture is the disease detection. Manual disease detection process works on user experience or hit and trial method. No digital medium exists for such situations.

Using E-Farming app all the process of agriculture become an easy approach for any farmer. From crops information to Mandi/Market everything came under user hand while selecting simple options available in the app. Using app, he would be able to find compatible crop for his land, all the process of cultivation, best pesticides for insects, best fertilizers according to soil and crop to take the yield to maximum level, handsome amount regard to his harvested growth. For fertilizers and pesticides Agri shops are also available on the app waiting for your response according to their specific product that you are interested to buy. The main point that came through all process is the weather, E-Farming also allows you to check weather conditions, related to that weather he may be able to set his activities. For farmers communication, there is a platform for communication between all users to discuss their problems individually. If there is something that is creating too much problem user can post that in the forum for open discussion, where multiple user can share the experience on that post. User can search specific on specific topic. Topics mostly used would also available in term of word cloud or top trending.

Agriculture sector is changing day by day over the globe. Modern method for farming process has been invented. Farmers are educated using smart phones. Like all other countries Pakistan is also trying for advance agriculture techniques. These techniques include farmers education, modern instruments and modern process for cultivation. Online shops are available for every product over smart phones. Need of the hour was an online platform for agriculture products that has been deployed using E-Farming android app.

Programming Language:

- Java
- XML
- PHP
- HTML

Database:

- MySQL

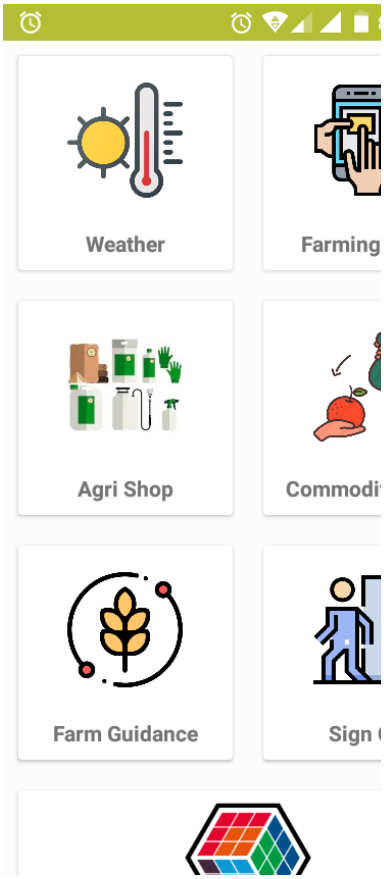
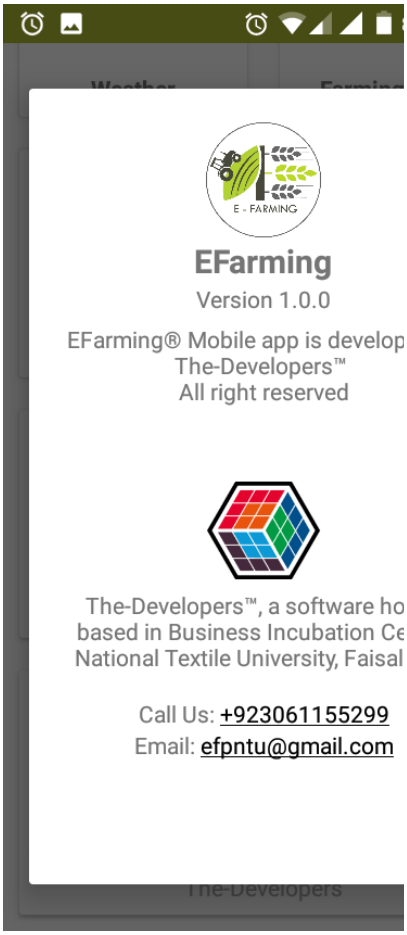
Platform:

- Android Mobile App
- Web

Supervisor & Co-Supervisor:

- Mr. Asif Suryani
- Mr. Shehbaz Sahi

Group Member:

- Muhammad Ameer Hamza
- Muhammad Awais Naseem
- Muhammad Hamza

Screen Shot: