UBL- DATATHON

(A NATION-WIDE DATA SCIENCE COMPETITION)

TEAM THINK DATA TECH is the group of students from different departments of NED who teamed up to solve problems of banking industry with the help of emerging technology; Data Science.

Team **THINK DATA TECH** successfully Secured **SECOND POSITION** in Pakistan first ever **DATATHON** organized by **UBL.**

Our Team Members:

Name: Shahbaz Muneer **(Team Lead)**
Dept: Computational Finance
Year: 4th
Batch: 2018

Name: Alisha khan
Dept: Computational finance
Year:4th
Batch:2018

Name: Haniya Maqsood
Dept: Computer System Engineering
Year: 3rd
Batch: 2019

Name: Muhammad Uzair Khan
Dept: Computer Science and Information Technology
Year: 2nd
Batch: 2020

Name: Syed Sannan Ali
Dept: Software Engineering
Year: 3rd
Batch: 2019

Summary:

UBL DATATHON was the first national competition of Data Science arranged by UBL. It was round wise competition in which teams form **136 universities** from all over the Pakistan competed. Here are the results below

1) NUST (Data Science Master Students)
2) **NEDUET (Undergraduate students)**
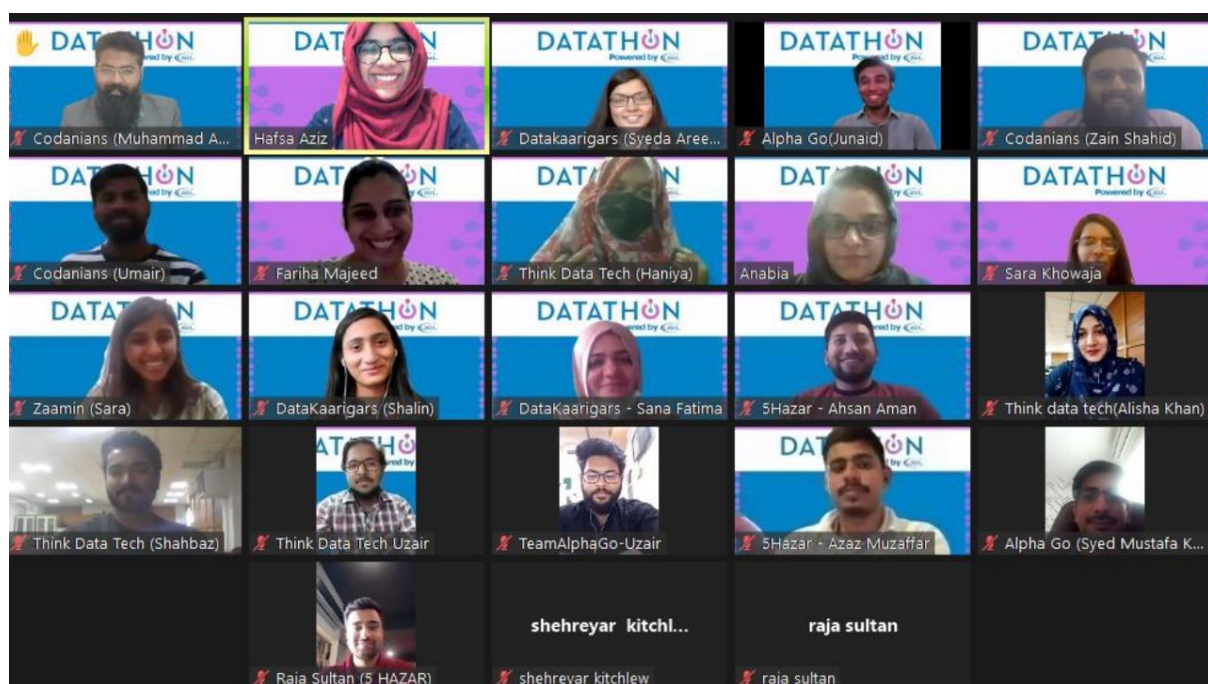3) Virtual University (Undergraduate Student)

Alhamdullilah! by the grace of Almighty Allah, Team NED has **successfully secured second position** in Pakistan's first ever datathon.

Round-I:

Round – 1 comprise of presenting ideas and projects that can help bank in different domains.

Our **Team Think Data Tech** developed an **AI based Instant Decision Loan Portal**. A portal that generates credit analysis Report by evaluating the credit worthiness of each borrower and also classify them into **high Risk, Moderate Risk and low Risk** borrowers so that bank could offer them personalized banking products**.**

We use Computer vision methodologies to **verify the documents** of each borrower and, for those who cannot show their income proofs we connected them via UBL digital app so that we can use transaction records by evaluating the **expenditures of each borrower**

Round II

Round – II NED (Think Data Tech) selected in top 10 universities teams and now they need to solve the problem given by UBL

It was comprised of top 10 University Teams. In this round, UBL gave problem to the teams. Team Think Data Tech was given the problem to analyze customer sentiments using NLP methodologies and also predict that customer will dispute or not.

The team solved the problem and developed **AI based customer sentiments dashboard** using NLP methodologies such as tokenization, lexicons and addressing stop words etc.

This dashboard classifies the complaints into **aggressive, arguable and controversial.**

The dashboard contains all the findings that is shown in the forms of graphs, so that a non-technical person can also understand all the findings i.e. (on which product customer shows mostly aggressive attitude and from which area from Pakistan, customers are not happy with product.)

Here is the product prototype link:

https://streamlittdashboard.herokuapp.com/

Round III

Round – III Present to international judges

In the final round, the **Team Think Data Tech** needed to present their solution to **International Judges** – a panel that consisted of many high-profile persons from **UBL, Kaggle, Pasha, AWS and different well-known startups.**
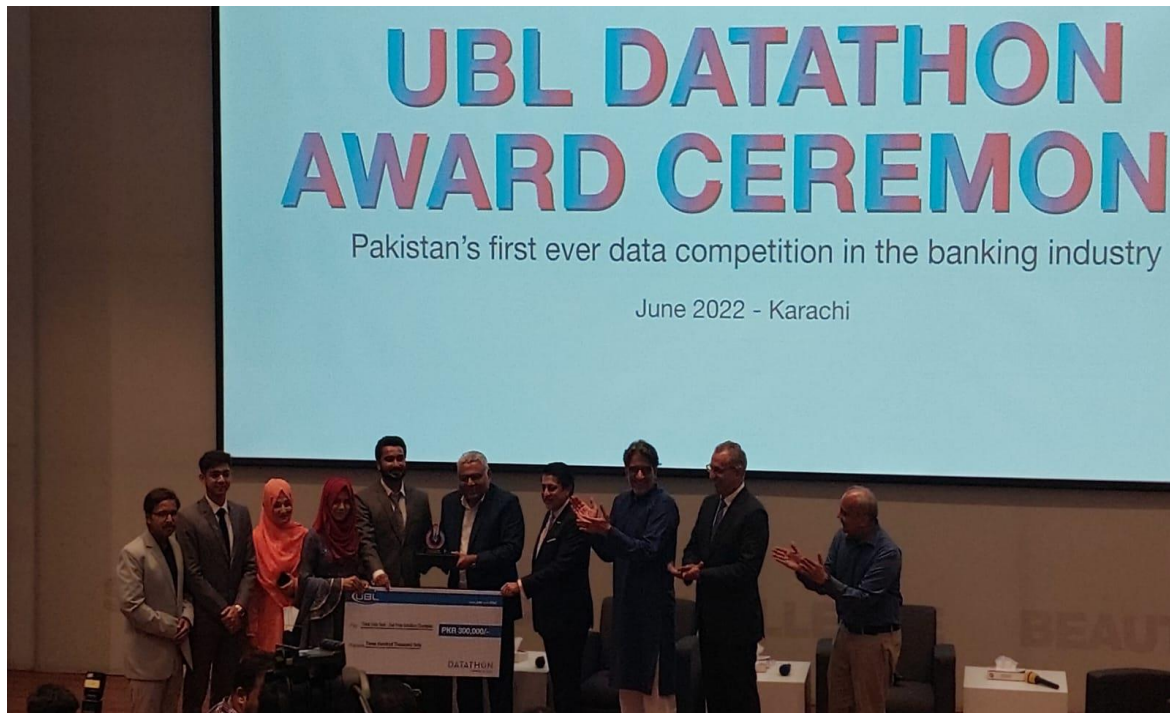
By the grace of Almighty Allah, and the guidance of mentors **like Prof. Faizan Ahmed from Economics and Finance Department** and **Dr. Saman Hina form CSIT department NED** and **Sir Qasim from PIAIC**

The team secured 2nd Position in first ever DATATHON arranged by UBL.

Prizing Distribution Ceremony: (At Habib university):

The Team Think Data Tech receive Token of appreciation, certificates, prize amount and different perks from **SYED SOHAIL JAVAAD** (Executive Director Digital Financial

Services Group, <mark>State Bank of Pakistan</mark>) and <mark>CEO of UBL</mark> **SHAZAD DADA**

Acknowledgement with different perks

With Chairman of Computational Finance department

Dr. Mirza Mahmood Baig

With Chairman of Computer Science and Information Technology

Dr Mubashir Khan and Dr. Saman Hina

With Head of CSRD (Center of Software Research and Technology)

Dr Najeed Ahmed Khan