



IT FAIR 3RD EDITION





ABOUT IT FAIR EVENT

As part of the Department of Information Technology's efforts to support creativity and innovation among students, the department organized the third edition of the "IT Fair –3rd Edition" over the course of three consecutive days. During the fair, students showcased various projects from different academic courses in front of visitors and attendees, creating an atmosphere filled with energy and interaction.





ABOUT IT FAIR EVENT

Highlight the
outcomes of
students'
projects.

Foster
teamwork and
positive
competition
among
students.

Involve the
academic
community and
visitors in
evaluating the
projects through
voting.





STATISTICS AND NUMBERS

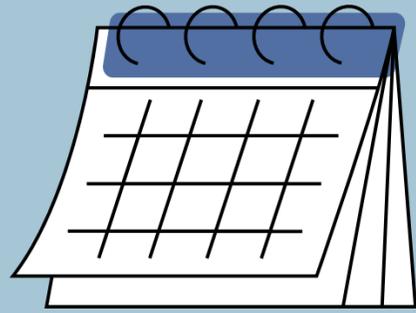


- Number of participating projects:
124 Project
- Number of participating students:
601 Students
- Number of participating courses:
7 courses
- Number of Visitors :
952





EVENT DATES



May 29 and 30
1 April



Lobby of the Colege of Computer
and Information Sciences



From 10:00 AM to 1:00 PM





PARTICIPATING COURSES



Information Technology
Fundamentals IT 210



User Experience
Design IT 214



Web Applications
Engineering IT 312



Network Principles
IT 328



Advanced Web
Technologies IT 329



Practical Software
Engineering IT 320



Principles of Data
Science IT 362



SOME PARTICIPATED PROJECTS

INFORMATION TECHNOLOGY FUNDAMENTALS IT 210





IT 210

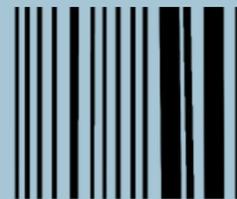
جامعة
الملك سعود
King Saud University



THE WINNER: MAGIC CASTLE 🎉

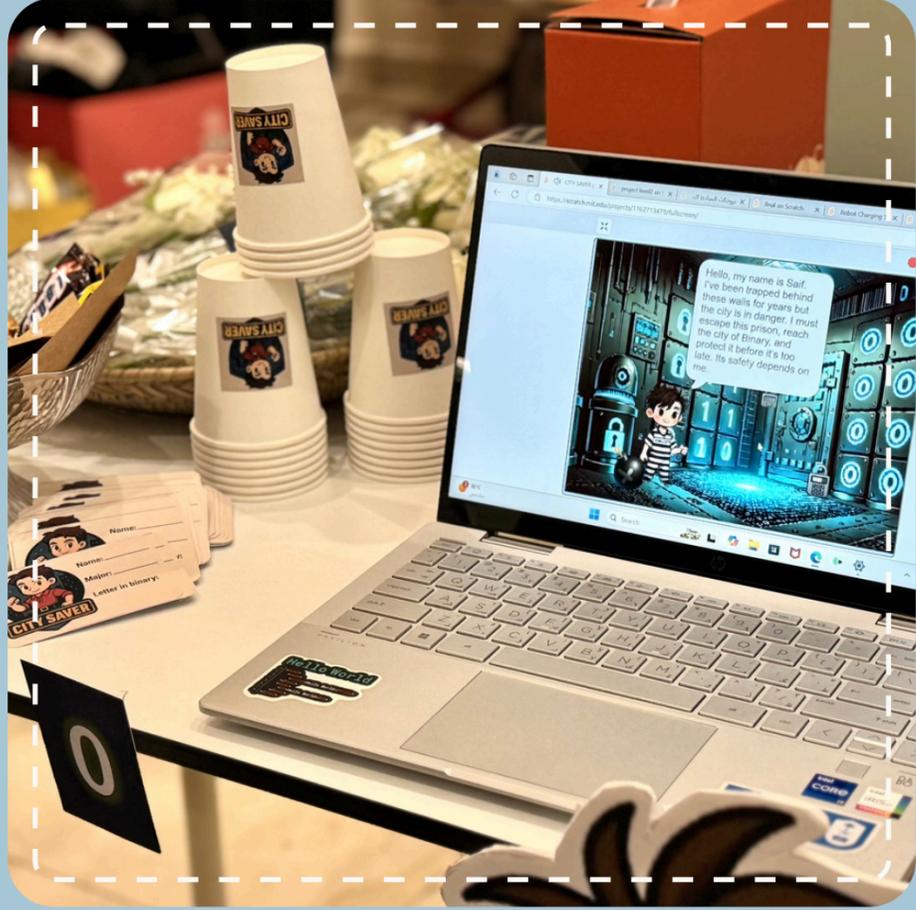
لطيفه الخميس
وجد السهيمي
هبه الرحمن احمد
هيفاء السملي
ريماس بن جريد

FIRST CLASS





IT 210



City Saver



زنزانة نؤفا



The Binary Code Breaker





IT 210



Hacktrace



Hack Attack

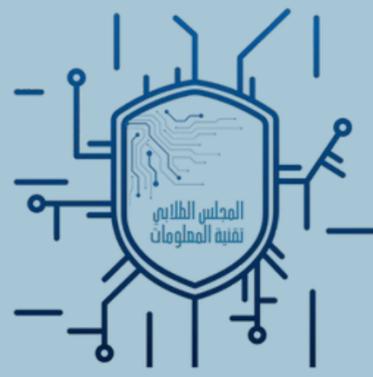




SOME PARTICIPATED PROJECTS

USER EXPERIENCE DESIGN IT 214



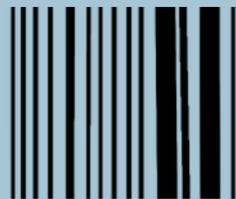


IT 214

THE WINNER: HADDAF 🎉

يارا الدوسري
جود بن فارس
جنى المغامس

FIRST CLASS





IT 214



سَمَّاها وتلقى



مُعِين



EcoSpark





IT 214



راع



فنار



سلام Tech





SOME PARTICIPATED PROJECTS

WEB APPLICATIONS ENGINEERING IT 312



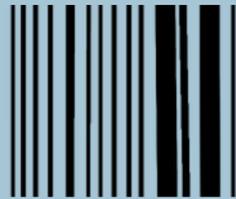


IT 312

THE WINNER: TWINKLE TURF 🎉

ديمه الفرهود
عبير السهلي
نوره الشمسان
ريناد العويس
رى الرزوق

FIRST CLASS





IT 312



Kiddo Heaven



Skill Nest

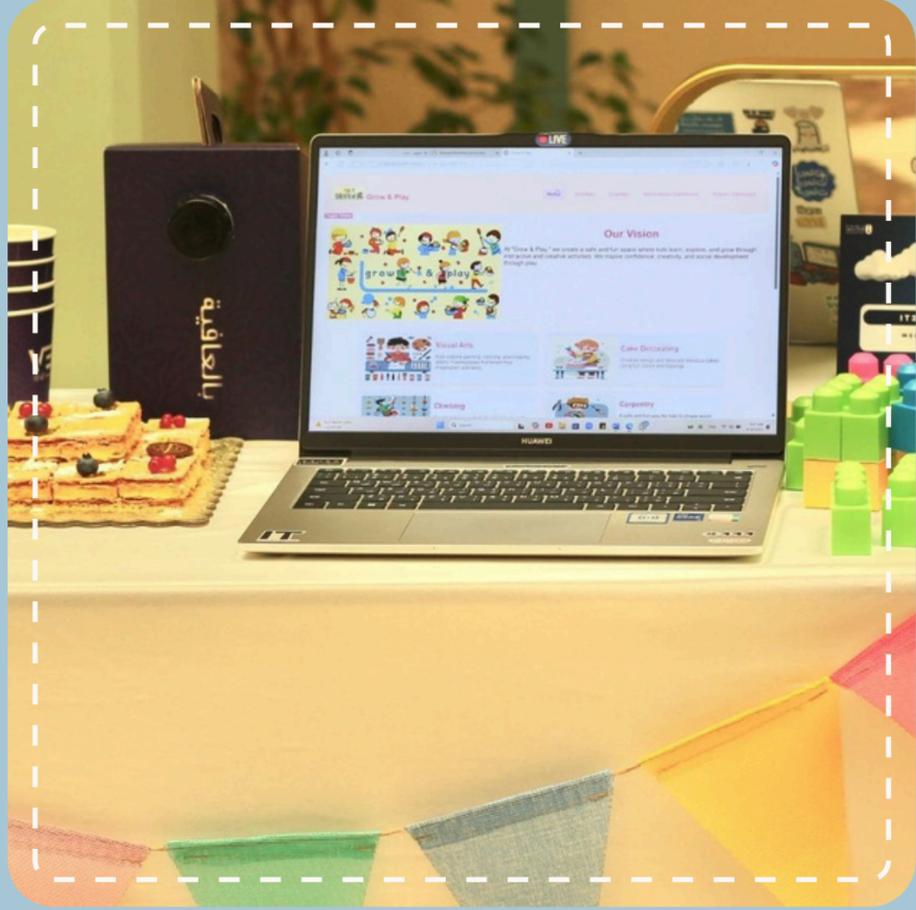


Saheel

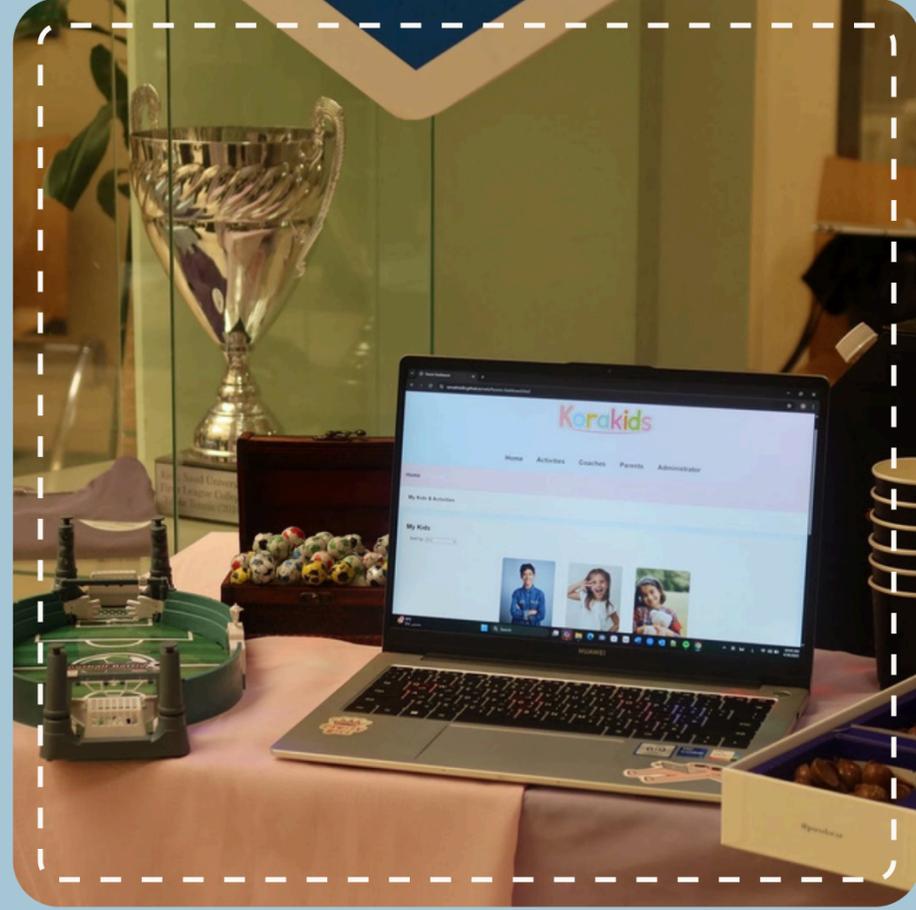




IT 312



Grow & Play



Korakids



ActiveKidsHub





SOME PARTICIPATED PROJECTS

NETWORK PRINCIPLES IT 328





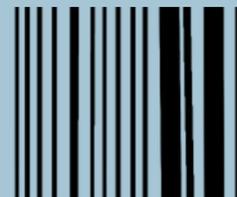
IT 328



THE WINNER: ITHACK 🎉

ديمه الفرهود
عبير السهلي
نوره الشمسان
ريناد العويس

FIRST CLASS





IT 328



فكها



21



وهم





IT 328



خزعةيلة



عجل بالحسبة



شيفرة





SOME PARTICIPATED PROJECTS

ADVANCED WEB TECHNOLOGIES IT 329



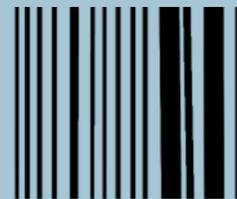


IT 329

THE WINNER: SUKOON 🎉

هديل بن حساس
ريما الكريديس
منيرة السويد
هيا العجمي

FIRST CLASS





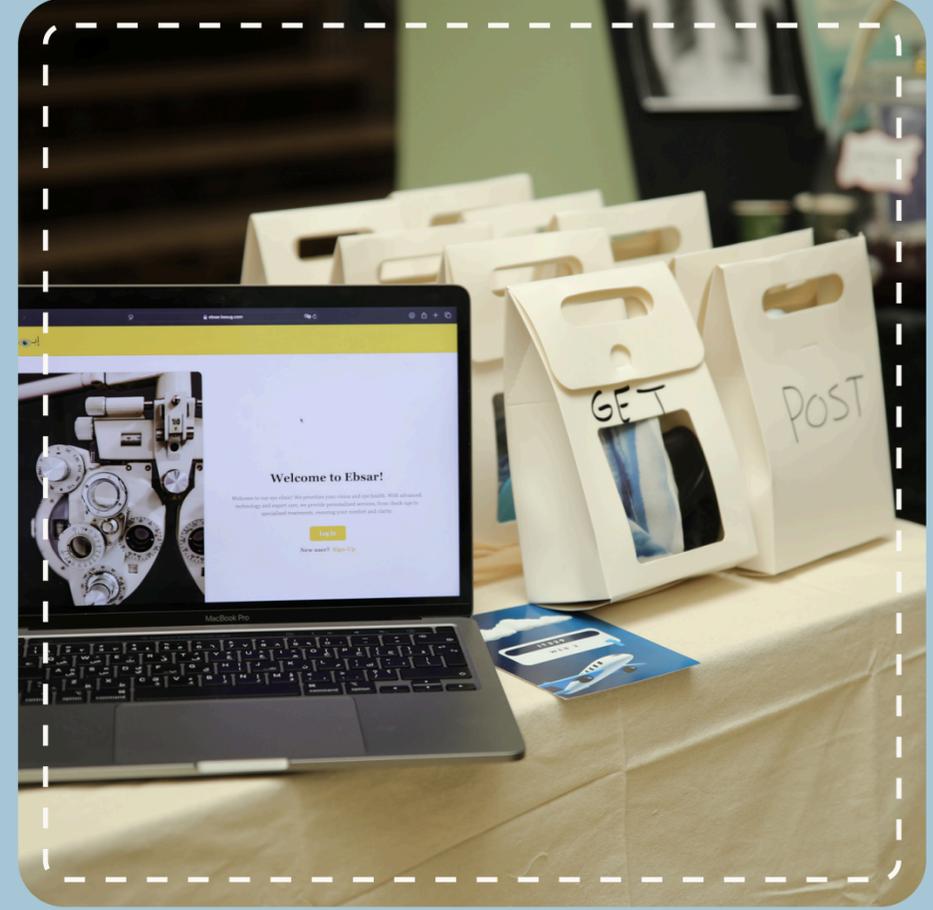
IT 329



Revive



Wellnest



Ebsar





IT 329



fur clinic



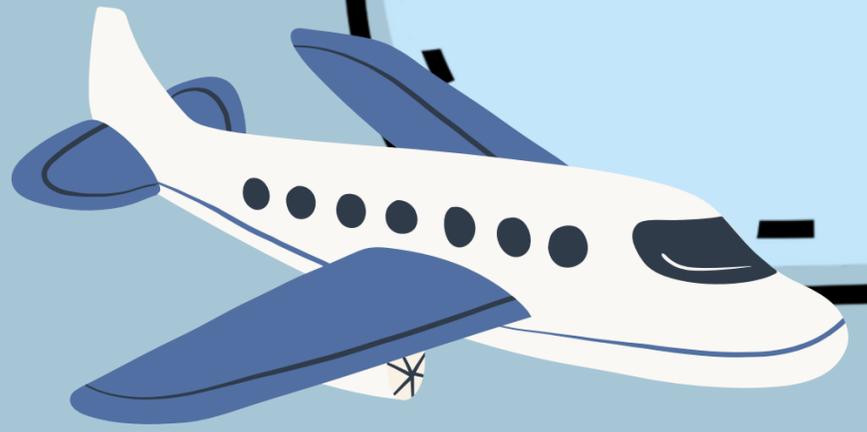
Vitals





SOME PARTICIPATED PROJECTS

PRACTICAL SOFTWARE ENGINEERING IT 320





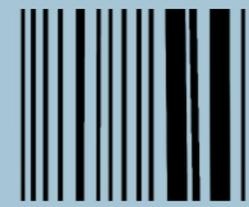
IT 320

THE WINNER:

وصول

ديم الجرياء
غيداء الحسين
سارة الهويمل
فجر العمرو
هديل بن جساس

FIRST CLASS





IT 320



KSU HUB



فزة





IT 320



Tradiva



Hand Made





SOME PARTICIPATED PROJECTS

PRINCIPLES OF DATA SCIENCE IT 362





IT 362



THE WINNER:

آفاق

غدير النويصر

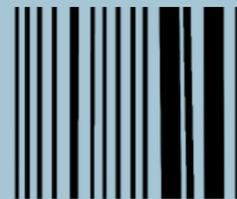
نوره الماضي

رنا البريدي

لميس الغامدي

مها الرويس

FIRST CLASS





IT 362

YOUTUBE TRENDING VIDEO ANALYSIS

Introduction
is one of the largest global platforms, yet users struggle to understand what makes a video 'viral'. This study uses data science techniques to analyze 1,856 trending videos and uncover the factors that influence popularity, engagement, and reach—especially within Saudi Arabia.

Objectives

- Identify common traits among viral videos
- Analyze how language affects engagement
- Explore the most popular topics in Saudi Arabia
- Evaluate how posting time influences views
- Assess the effect of video duration on engagement

Challenges

Detection Issue
Some videos had no region listed. This was fixed by explicitly adding Saudi Arabia to the API request.

Encoding Issue
Some video titles appeared corrupted when saving CSV files. Solved using UTF-8 encoding.

Data Source

- Source: YouTube Data API
- Size: 1,856 trending videos
- Collected Features:
 - Video title, duration, view, likes, comments
 - Region, language, topic, publication time

Visual Insights from the Dataset

YouTube video Analysis

Crypto vision

Introduction
Cryptocurrencies have become a part of today's financial world. However, it is still unclear what drives their price movements. Key factors like market capitalization, supply, and demand are not well understood, making it difficult for analysts to predict their future performance.

Data collection
We collected real-time cryptocurrency data using the CoinGecko API. The main features included in our dataset are:

- Cryptocurrency name
- Symbol
- Current price
- Market capitalization
- Market cap rank
- Circulating supply
- Total supply
- All-Time High (ATH) price
- 24-hour price change
- Fear and Greed Index value

We focused on the top 100 ranked cryptocurrencies to capture the most active and valuable assets in the market.

Objectives

- Explore the major factors influencing cryptocurrency prices and rankings.
- Identify any hidden patterns that can help predict market trends.
- Assess the relevance of market psychology indicators (Fear and Greed Index).
- Build initial models for deeper pattern detection.

Models and Findings

- We conducted a regression analysis using three variables, with the top-performing model being the most accurate, demonstrating excellent predictive performance.

CryptoVision

Tourism in Saudi Arabia

Introduction
Saudi Arabia is rapidly emerging as a leading global tourist destination under Vision 2030. This project investigates the key factors that drive tourism using a data-driven approach, aiming to provide actionable insights to support and enhance the country's tourism strategy.

Data Collection

Source	Type of Data	Collection Method
Ministry of Tourism	Tourist numbers, spending, demographics	Public open data portal
TripAdvisor	Reviews and hotel ratings	Web scraping via Apify
Booking.com	Hotel reviews and details	Web scraping via Apify
Survey	Tourist experiences and preferences	Google Forms (Feb 4-6, 2023)
Twitter/X	Real-time sentiment and event reactions	API with Bearer Token

Data Analysis

Top Destinations: Riyadh attracted about 35% of tourists. (Bar Chart: Review Counts per Province)

Seasonal Trends: Tourism peaked in January, based on Ministry of Tourism data.

Tourist Spending: Around 40% of spending went to accommodation. (Bar Chart: Spending Categories)

Experience Ratings: 78% of tourists rated their experience 4 or 5 stars. (Histogram: Experience Ratings)

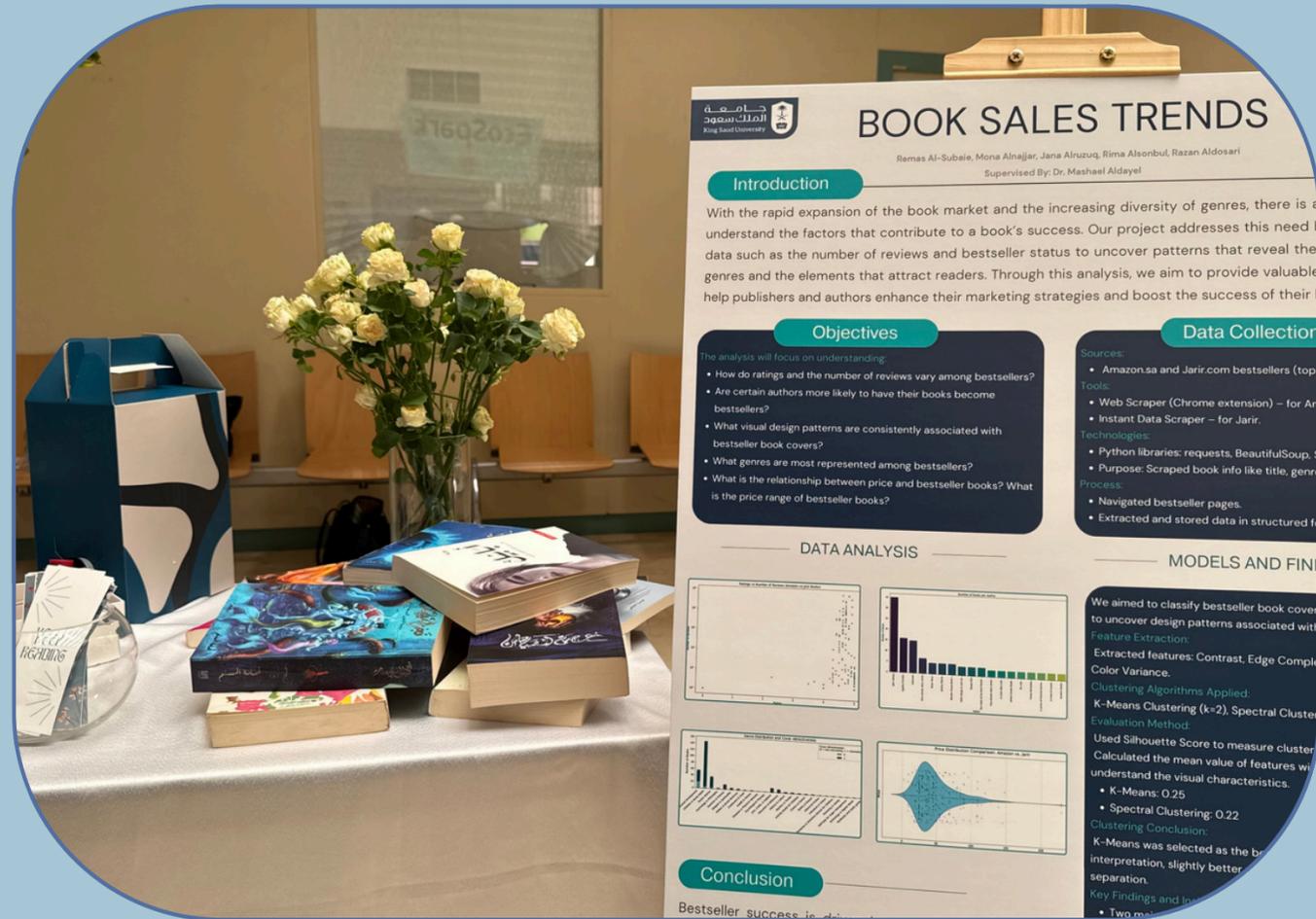
Impact of Events: Attending major events, like Riyadh Season, raised satisfaction to an average of 4.3/5. (Bar Chart: Event Attendance Impact)

Tourism in Saudi Arabia

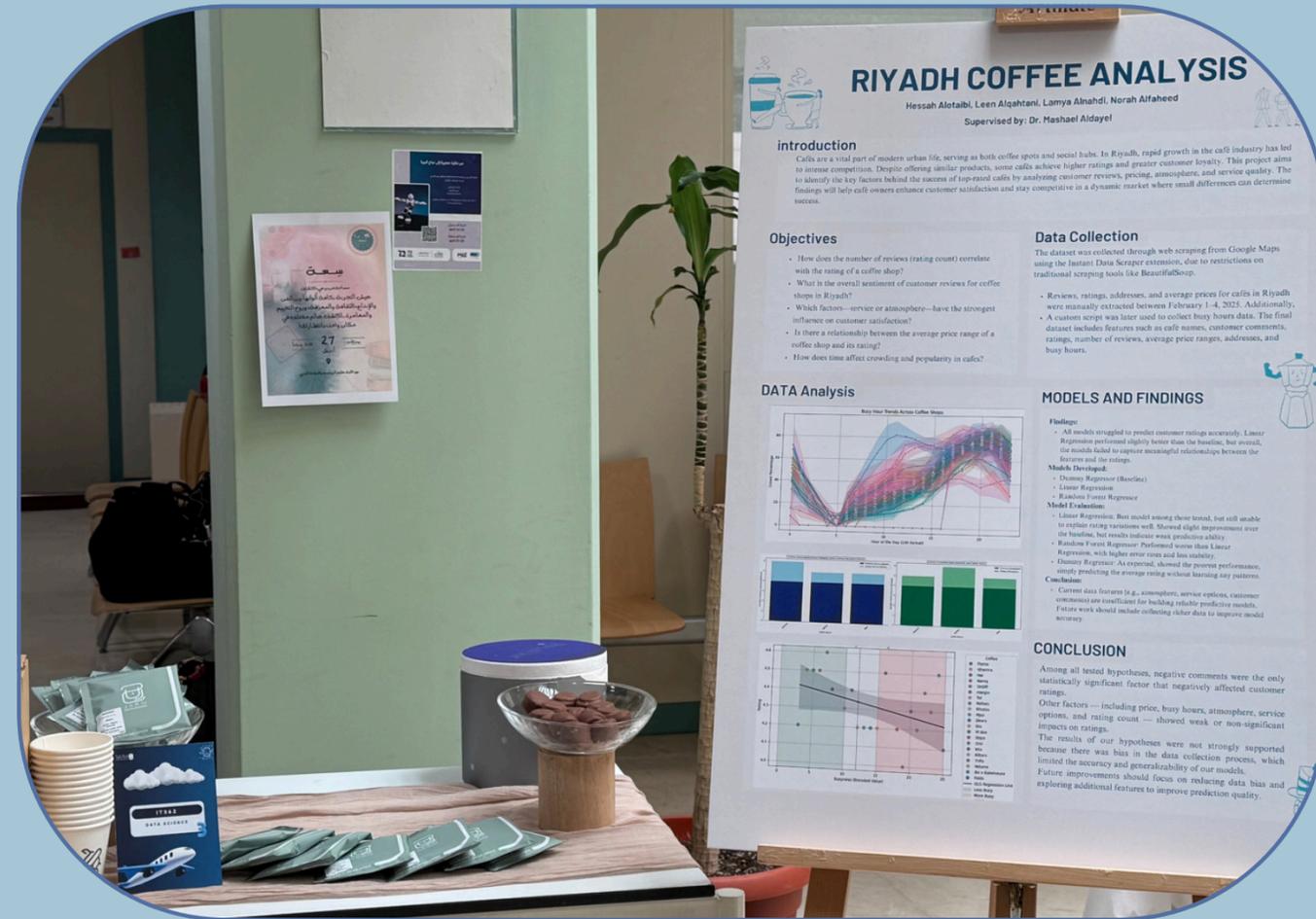




IT 362



Books Sales Trend



Key Factors Behind High-Rated Cafés in Riyadh





WE ARE SO PROUD
OF OUR STUDENTS

