




ST. JOHN'S
COLLEGE, ANCHAL

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MEN

BCom Accounts and Data Science

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ST. JOHN'S
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CERTIFICATE

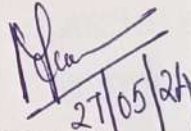
This is to certify that this report titled **stock market prediction analysis** is a bonafide record of the project work done by VEENA A (33620138041) RICHUBINOY (33620138037) and MUHAMMED ADIL A(33620138013), who are final year (6th semester) B com Accounts and Data Science, students of St. John's College, Anchal have successfully completed their project. This project work was undertaken as a partial fulfilment for the requirements of the award of the degree of B com Accounts and Data Science from the University of Kerala.

Mrs. Munnoo Maria Charles

Lecturer in Data Science,

Department of Commerce

St. John's College Anchal

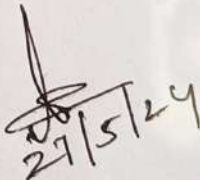

27/05/24
Signature:

Dr. Anu Varghese

Head of Department

Department of Commerce

St. John's collage Anchal


29/5/24
Signature: **Dr. Anu Varghese**
Assistant Professor
HOD, Dept. of Commerce
St. John's College, Anchal

Submitted in partial fulfilment of the requirement for the award of degree of B com Accounts & Data Science

Signature of Examinee:

Date:

DEPARTMENT OF COMMERCE



ST. JOHN'S
COLLEGE, ANCHAL

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CERTIFICATE

Certified that this report titled "CUSTOMER PERSONALITY ANALYSIS" is a bonafide record of the project work done by **ARJUN S (33621138006)**, **ASIYA B (33621138007)** and **MEGHA S PRAKASH (33621138011)** under our supervision and guidance, towards partial fulfillment of the requirements for the reward of Degree of BCom Accounts and Data Science [Double Main] of University of Kerala.

Mrs. NEETHU THOMAS

Lecturer

Department of Commerce

St. John's College, Anchal

Neethu Thomas
27/9/24
Signature:

Dr. ANU VARGHESE

The Head,

Department of Commerce

St. John's College, Anchal

Anu Varghese
27/9/24
Signature: **Dr. Anu Varghese**
Assistant Professor
HOD, Dept. of Commerce
St. John's College, Anchal

Signature of Examinee: *Arjun S*

Date: *27/9/24*

DEPARTMENT OF COMMERCE

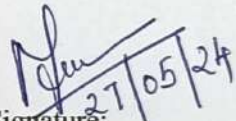


CERTIFICATE

This is to certify that this report titled " **WEATHER FORECASTING** " is a bonafide record of the project work done by DEVIKA J(33621138010) ,SUMITHA MS(33621138040) and KRIPA T JOJI(33621138047) who are final year (6th semester) B.Com Accounts and Data Science, students of St. John's College, Anchal have successfully completed their project. This project work was undertaken as a partial fulfilment for the requirements of the award of the degree of B.com Accounts and Data Science from the University of Kerala. We also certify that no part of this project has been submitted earlier or elsewhere for a similar purpose.


Mrs. MUNNOO MARIA CHARLES

Lecturer in Data Science,
Department of Commerce
St. John's College Anchal

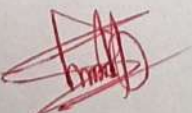

Signature: 27/05/24

Dr. ANU VARGHESE

The Head of
Department of Commerce
St. John's College Anchal


Dr. Anu Varghese
Assistant Professor
HOD, Dept. of Commerce
St. John's College, Anchal
Signature:

Submitted to the University of Kerala for the award of B.Com Accounts and Data Science Degree Examination 2024

Signature of Examinee: 

Date: 27.05.2024

DEPARTMENT OF COMMERCE



ST. JOHN'S
COLLEGE, ANCHAL

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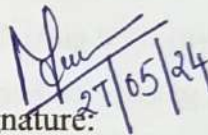
CERTIFICATE

Certified that this report titled PREDICTING AD CLICK THROUGH RATE is a bonafide record of the project work done by B M ADHISHANKARAN (33621138023), JITHIN M (33621138032) and GOPIKA G (33621138029) under our supervision and guidance, towards partial fulfillment of the requirements for the reward of Degree of BCom Accounts and Data Science [Double Main] of University of Kerala.

Mrs. MUNNOO MARIA CHARLES

Lecturer

Department of Commerce
St. John's College, Anchal


Signature:  27/05/24

Dr. ANU VARGHESE

The Head of Department,
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Signature:  27/5/24

Dr. Anu Varghese
Assistant Professor
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St. John's College, Anchal

Signature of Examinee: 

Date: 27.05.2024



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COLLEGE, ANCHAL

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CERTIFICATE

This is to certify that this report titled *Instagram Reach Analysis & Forecasting using Time Series Analysis Project* is a bonafied record of work done by Farsana N R (Registration No: 33621138026), Fathoon J S (Registration No: 33621138027), and Megha B U (Registration No: 33621138033) who are final year (6th semester) B com Accounts and Data Science, students of St. John's College, Anchal have successfully completed their project. This project work was undertaken as a partial fulfilment for the requirements of the award of the degree of B com Accounts and Data Science from the University of Kerala. We also certify that no part of this project has been submitted earlier or elsewhere for a similar purpose.

Mrs. Neethu Thomas
Lecturer in Data Science,
Department of Commerce
St. John's College Anchal

Neethu Thomas
27/4/24
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Dr. Anu Varghese
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St. John's collage Anchal

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St. John's College, Anchal
Signature:

Submitted in partial fulfilment of the requirement for the award of degree of B com Accounts & Data Science

Signature of Examinee: *[Signature]*

Date: 27.05.2024



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COLLEGE, ANCHAL

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CERTIFICATE

This is to certify that this report titled **Diamond Price Prediction analysis** is a bonafide record of the project work done by NILA B (reg no:33621138035), and NAYANA V R (reg no:33621138034), who are final year (6th semester) B com Accounts and Data Science, students of St. John's College, Anchal have successfully completed their project. This project work was undertaken as a partial fulfilment for the requirements of the award of the degree of B com Accounts and Data Science from the University of Kerala. We also certify that no part of this project has been submitted earlier or elsewhere for a similar purpose.

Mrs. Munnoo Maria Charles

Lecturer in Data Scienc

Department of Commerce

St. John's College Anchal

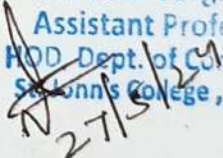

Signature: 27/05/24

Dr.. Anu Vargheese

Head of Department


Department of Commerce

St. John's collage Anchal

Dr. Anu Varghese
Assistant Professor
HOD, Dept. of Commerce
St. John's College, Anchal

27/5/24

Signature:

Submitted in partial fulfilment of the requirement for the award of degree of B com Accounts & Data Science

Signature of Examinee: 

Date: 27.05.2024

DEPARTMENT OF COMMERCE




ST. JOHN'S
COLLEGE, ANCHAL
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CERTIFICATE

Certified that this report titled **UBER RIDES DATA ANALYSIS** is a bonafide record of the project work done by **ABHINAV R BAIJU (33621138001)**, **SALMAN MOHAMED N (33621138014)** and **ALAN MATHEW (33621138043)** under our supervision and guidance, towards partial fulfillment of the requirements for the reward of Degree of B.Com Accounts and Data Science [Double Main] of University of Kerala.

Dr. ANU VARGHESE
The Head of Department
Department of Commerce
St. John's College, Anchal

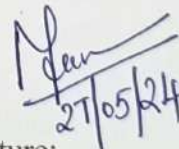


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Signature:


Dr. Anu Varghese
Assistant Professor
HOD, Dept. of Commerce
St. John's College, Anchal

Mrs. MUNNOO MARIA CHARLES
Lecturer
Department of Commerce
St. John's College, Anchal



27/05/24

Signature:

Signature of Examinee: 

Date: 27.05.2024

DEPARTMENT OF COMMERCE



CERTIFICATE

This is to certify that this report titled " IPHONE SALES ANALYSIS " is a bonafide record of the project work done by SUHAIL SHAH (33621138015), AFZAL A (33621138002), MUHAMMED SHAFI S (33621138048), who are the final year (6th semester) B.com Accounts and Data Science students of St. Johns College, Anchal have successfully completed their project. This project work was undertaken as a partial fulfilment for the requirements of the award of the degree of B.com Accounts & Data Science from the University of Kerala. We also certify that no part of this project has been submitted earlier or elsewhere for a similar purpose.

Mrs. NEETHU THOMAS

Lecturer in Data Science,
Department of Commerce
St. John's College Anchal


Neethu Thomas
27/4/24
Signature:

Dr. ANU VARGHESE

The Head,
Department of Commerce
St. John's College Anchal

Anu Varghese
27/5/24
Signature:
Dr. Anu Varghese
Assistant Professor
HOD, Dept. of Commerce
St. John's College, Anchal

Submitted to the University of Kerala for the award of B.Com Accounts and Data science degree examination 2024.

Signature of Examinee: 

Date: 27.05.2024

DEPARTMENT OF COMMERCE



CERTIFICATE

Certified that this report titled NEXT WORD PREDICTION is a bonafide record of the project work done by SNEHITH M THOMAS (33621138039), DIYA THOMAS (33621138025) and SAMUEL CHERIYAN (33621138038) under our supervision and guidance, towards partial fulfillment of the requirements for the reward of Degree of BCom Accounts and Data Science [Double Main] of University of Kerala.

Mrs. NEETHU THOMAS
Lecturer
Department of Commerce
St. John's College, Anchal

Neethu Thomas
27/A/24
Signature:

Dr. ANU VARGHESE
The Head the Department,
Department of Commerce
St. John's College, Anchal

Anu Varghese
27/5/24
Signature: **Dr. Anu Varghese**
Assistant Professor
HOD, Dept. of Commerce
St. John's College, Anchal

Signature of Examinee: *[Signature]*

Date: 27.05.2024

[Signature]
27.05.2024

DEPARTMENT OF COMMERCE



CERTIFICATE

Certified that this report titled NEXT WORD PREDICTION is a bonafide record of the project work done by SNEHITH M THOMAS (33621138039), DIYA THOMAS (33621138025) and SAMUEL CHERIYAN (33621138038) under our supervision and guidance, towards partial fulfillment of the requirements for the reward of Degree of BCom Accounts and Data Science [Double Main] of University of Kerala.

Mrs. NEETHU THOMAS
Lecturer
Department of Commerce
St. John's College, Anchal

Neethu Thomas
27/A/24
Signature:

Dr. ANU VARGHESE
The Head the Department,
Department of Commerce
St. John's College, Anchal

Anu Varghese
27/5/24
Signature: **Dr. Anu Varghese**
Assistant Professor
HOD, Dept. of Commerce
St. John's College, Anchal

Signature of Examinee: *[Signature]*

Date: 27.05.2024

[Signature]
27.05.2024



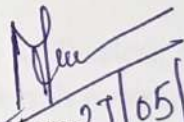
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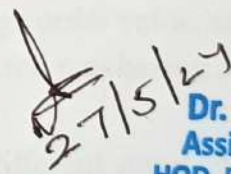
CERTIFICATE

This is to certify that this report titled "AMAZON SALES ANALYSIS" is a bonafide record of the project work done by AKASH JS (33621138003), ALBIN S THOMAS (33621138019) and HRIDYA DAS (33621138031), who are final year (6th semester) B com Accounts and Data Science, students of St. John's College, Anchal have successfully completed their project. This project work was undertaken as a partial fulfilment for the requirements of the award of the degree of B com Accounts and Data Science from the University of Kerala. We also certify that no part of this project has been submitted earlier or elsewhere for a similar purpose.

Mrs. MUNNOO MARIA CHARLES
Lecturer in Data science,
Department of Commerce
St. John's College, Anchal



Signature: 27/05/24

Mrs. ANU VARGHESE
The Head of Department,
Department of Commerce
St. John's College, Anchal


Signature: **Dr. Anu Varghese**
Assistant Professor
HOD, Dept. of Commerce
St. John's College, Anchal

Submitted to the University of Kerala for the award of B. com Accounts and Data Science Degree

Examination 2024.

Signature of Examinee: 

Date: 27.05.2024

DEPARTMENT OF COMMERCE



ST. JOHN'S
COLLEGE, ANCHAL

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CERTIFICATE

Certified that this report titled "CLASSIFYING EMOTION THROUGH TEXT" is a bonafide record of the project work done by YASIM VAHID (33621138042), ABHIN KUMAR A (33621138016) and ASIF SIRAJ (33621138021) under our supervision and guidance, towards partial fulfillment of the requirements for the reward of Degree of BCom Accounts and Data Science [Double Main] of University of Kerala.

Mrs. NEETHU THOMAS
Lecturer
Department of Commerce
St. John's College, Anchal

Neethu Thomas
27/4/24
Signature:

Dr. ANU VARGHESE
The Head,
Department of Commerce
St. John's College, Anchal

Dr. Anu Varghese
27/5/24
Signature:

Signature of Examinee:
Date: 27.05.2024

[Signature]

Dr. Anu Varghese
Assistant Professor
HOD, Dept. of Commerce
St. John's College, Anchal



ST. JOHN'S
COLLEGE, ANCHAL

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CERTIFICATE

This is to certify that this report titled **IPL 2023 Analysis** is a bonafide record of the project work done by ARUN NATH R(reg no:33620138020),and AHINAS A (reg no:33620138017), who are final year (6th semester) B com Accounts and Data Science, students of St. John's College, Anchal have successfully completed their project. This project work was undertaken as a partial fulfilment for the requirements of the award of the degree of B com Accounts and Data Science from the University of Kerala.

Mrs. Neethu Thomas
Lecturer in Data Science,
Department of Commerce
St. John's College Anchal

Neethu Thomas
27/5/24
Signature:

Dr. Anu Varghese
Head of Department
Department of Commerce
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Anu Varghese
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Signature:

Dr. Anu Varghese
Assistant Professor
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St. John's College, Anchal

Submitted in partial fulfilment of the requirement for the award of degree of B com Accounts & Data Science

Signature of Examinee:

[Handwritten Signature]

Date: 27.05.2024

DEPARTMENT OF COMMERCE



CERTIFICATE

This is to certified that this report titled ONLINE FOOD ORDER PREDICTION FOR CUSTOMER REORDER LIKELIHOOD is a bonafide record of the project work done by ANJANA BINU (33621138005), DEVIKAD (33621138009) and KRIPA REJI (33621138046) under our supervision and guidance, towards partial fulfilment of the requirements for the reward of Degree of BCom Accounts and Data Science [Double Main] of University of Kerala.

Mrs. NEETHU THOMAS

Lecturer

Department of Commerce

St. John's College, Anchal

Neethu Thomas
27/4/24

Signature:

Dr. ANU VARGHESE

The Head of Department

Department of Commerce

St. John's College, Anchal

Anu Varghese
28/5/24

Dr. Anu Varghese
Assistant Professor
HOD, Dept. of Commerce
St. John's College, Anchal

Signature of Examinee:

Date: 27.05.2024



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COLLEGE, ANCHAL

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This is to certify that this report titled **Covid 19 data analysis** is a bonafide record of the project work done by HARI R CHANDRAN(33620138030) ASWIN BIJU(33620138022) and ALAN DEVASIA JOSEPH (33620138018), who are final year (6th semester) B com Accounts and Data Science, students of St. John's College, Anchal have successfully completed their project. This project work was undertaken as a partial fulfilment for the requirements of the award of the degree of B com Accounts and Data Science from the University of Kerala.

Mrs. Munnoo Maria Charles

Lecturer in Data Science,

Department of Commerce

St. John's College Anchal



27/05/24
Signature:

Dr. Anu Varghese

The Head of Department


Department of commerce

St. John's collage Anchal


27/5/24
Signature:

Dr. Anu Varghese
Assistant Professor
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St. John's College, Anchal

Submitted in partial fulfilment of the requirement for the award of degree of B com Accounts & Data Science

Signature of Examinee: 

Date: 27.05.2024



ST. JOHN'S
COLLEGE, ANCHAL

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This is to certify that this report titled GDP PREDICTION is a bonafide record of the project work done by ANANTHU KRISHNA (33620138010) and AMBUJAN R (33620138006), who are final year (6th semester) B com Accounts and Data Science, students of St. John's College, Anchal have successfully completed their project. This project work was undertaken as a partial fulfilment for the requirements of the award of the degree of B com Accounts and Data Science from the University of Kerala.

Mrs. Munnoo Maria Charles
Lecturer in Data Science,
Department of Commerce
St. John's College Anchal

Signature:

Dr. Anu Varghese
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Department of commerce
St. John's collage Anchal

Dr. Anu Varghese
Assistant Professor
HOB, Dept. of Commerce
St. John's College, Anchal

Signature:

Submitted in partial fulfilment of the requirement for the award of degree of B com Accounts & Data Science

Signature of Examinee:

Date:

DEPARTMENT OF COMMERCE



ST. JOHN'S

COLLEGE, ANCHAL

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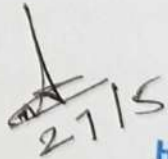
CERTIFICATE

This is to certify that this report titled **Water Quality Analysis** is a bonafied record of the project work done by ALEX SAJI (33621138044) ANANDHAKRISHNAN R (33621138004) and ASWIN A (33621138008), who are final year (6th semester) B com Accounts and Data Science, students of St. John's College, Anchal have successfully completed their project. This project work was undertaken as a partial fulfilment for the requirements of the award of the degree of B com Accounts and Data Science from the University of Kerala. We also certify that no part of this project has been submitted earlier or elsewhere for a similar purpose.


Mrs. Munnoo Maria Charles
Lecturer in Data Science, Department of
Commerce
St. John's College Anchal


27/05/24
Signature:

DR Anu Varghese
The Head Department of Commerce
St. John's collage Anchal


27/5/24
Signature: **Dr. Anu Varghese**
Assistant Professor
HOD, Dept. of Commerce
St. John's College, Anchal

Submitted in partial fulfilment of the requirement for the award of degree of B com Accounts & Data Science

Signature of Examinee: 

Date: 27.05.2024

DEPARTMENT OF COMMERCE



ST. JOHN'S COLLEGE, ANCHAL

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CERTIFICATE

This is to certify that this report titled **Supermarket Sales Analysis with Data Science** is a bonafied record of the project work done by DEVI KRISHNA S (33621138045) FEBA REJI (33621138028), and PARVATHY B (33621138036), who are final year (6th semester) B com Accounts and Data Science, students of St. John's College, Anchal have successfully completed their project. This project work was undertaken as a partial fulfilment for the requirements of the award of the degree of B com Accounts and Data Science from the University of Kerala. We also certify that no part of this project has been submitted earlier or elsewhere for a similar purpose.

Mrs. NEETHU THOMAS
Lecturer in Data Science, Department of Commerce
St. John's College Anchal

Neethu Thomas
27/4/24


Signature:

DR ANU VARGHESE
The Head Department of Commerce
St. John's collage Anchal

Anu Varghese
27/5/24
Dr Anu Varghese
Assistant Professor
HOD, Dept. of Commerce
St. John's College, Anchal

Signature:

Submitted in partial fulfilment of the requirement for the award of degree of B com Accounts & Data Science

Signature of Examinee: 

Date: 27.05.2024