




**ST. JOHN'S**  
COLLEGE, ANCHAL

Affiliated to the University of Kerala  
Re-accredited with A Grade by NAAC  
Recognised for STAR College by DBT, Govt. of India

LET YOUR  
LIGHT  
SHINE BEFORE  
MEN

# BCom Accounts and Data Science

 P.B. No.3,  
Mar Gregorios Nagar,  
Anchal P.O., Kollam,  
Kerala - 691 306

Off: 0475-2966973 | Fax: 0475-2275326   
info@stjohns.ac.in | principal@stjohns.ac.in   
www.stjohns.ac.in 

# DEPARTMENT OF COMMERCE



**ST. JOHN'S**  
COLLEGE, ANCHAL


LET YOUR LIGHT SHINE BEFORE MEN

## CERTIFICATE

This is to certify that this report titled Movie Success Rate Prediction is a bonafied record of the project work done by FARHALULU R(33620138020) FATHIMA SANA M H (33620138022), and KARNAKI SANTHOSH (33620138028), who are final year (6<sup>th</sup> semester) B.Com Accounts and DataScience, students of St.John's College, Anchal have successfully completed their project. This project work was undertaken as a partial fulfillment for the requirements of the award of the degree of B.com Accounts and DataScience 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 DataScience,  
Department of Commerce  
St.John's College, Anchal


Signature: 

**Mrs.BAINY GEORGE**

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

Signature: 

*Submitted to the University of Kerala for the award of B.Com Accounts & DataScience degree examination, 2023*

Signature of Examinee: 

Date:

# DEPARTMENT OF COMMERCE



**ST. JOHN'S**  
COLLEGE, ANCHAL

LET YOUR LIGHT SHINE BEFORE MEN

## CERTIFICATE

This is to certify that this report titled "E-COMMERCE DATA ANALYSIS" is a bonafied record of the project work done by ASHLY ALEX(33620138013) AMRUTHA R V(33620138004), and DUNIYA NISAMUDEEN(33620138019), who are final year (6<sup>th</sup> semester) B.Com Accounts and DataScience, students of St.John's College,Anchal have successfully completed their project. This project work was undertaken as a partial fulfillment for the requirements of the award of the degree of B.com Accounts and DataScience 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 DataScience,  
Department of Commerce  
St.John's College,Anchal

Signature:

*Munnoo Maria Charles*  
10/7/23

**Mrs.BAINY GEORGE**

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

Signature:

*Bainy George*  
10/5/23

*Submitted to the University of Kerala for the award of B.Com Accounts & datascience degree examination, 2023*

Signature of Examinee:

*Ashly Alex*  
12/2/23

Date:



# DEPARTMENT OF COMMERCE



**ST. JOHN'S**  
COLLEGE, ANCHAL

LET YOUR LIGHT SHINE BEFORE MEN

## CERTIFICATE

This is to certify that this report titled "CYBER BULLYING DETECTION" is a bonafied record of the project work done by NAVANEETH S KUMAR (33620138036), NANDHU R RAMESH (33620138035), and JITHU K S (3362013803326), who are final year (6<sup>th</sup> 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 fulfillment 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:

*M. Munnoo Maria Charles*  
10/7/23

**Mrs.BAINY GEORGE**

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

Signature:

*Bainy George*  
10/7/23

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

Signature of Examinee:

*Paul*  
13/7/23

Date:

# DEPARTMENT OF COMMERCE



**ST. JOHN'S**  
COLLEGE, ANCHAL

LET YOUR LIGHT SHINE BEFORE MEN

## CERTIFICATE

This is certify that the project entitled "HEART DISEASE PREDICTION USING MACHINE LEARNING" is a work done by LUJAINA SHAREEF(33620138030), MUHUZINA S H (33620138034), SHARAFIYA BEEVI R (33620138042) who are the student of final year ( 6<sup>th</sup> semester ) B.Com St.John's College Anchal in partial fulfillment for the requirement of the award of degree B.Com Accounts & Data Science from university of Kerala and that no part of this project has been submitted earlier or elsewhere for similar purposes.

**Mrs: MUNNOO MARIA CHARLES**

Lecturer :

Department of Commerce

St. John's College

Anchal, Kollam

signature:

*Munnoo Maria Charles*  
10/7/23

**Mrs: BAINYGEORGE**

The Head :

Department of Commerce

St. John's College

Anchal, Kollam

signature:

*Bainy George*  
10/7/23

*Submitted the university of Kerala for the award of degree B.com Accounts & Data Science degree examination 2023.*

Signature of examinee:

Date:

*[Handwritten signature]*



# DEPARTMENT OF COMMERCE



## CERTIFICATE

This is certify that the project entitled “ **THE STUDY FOCUSES ON ANALYZING SALES DATA FOR A PRODUCT** ” is a work done by **AMINABEEVI. B ( 33620138007)**, **ARCHANA. S ( 33620138012 )**, **SYAMLAL. R ( 33620138049)** who are the students of final year (6<sup>th</sup> semester ) Bcom Snt. johns college anchal in partial fulfillment for the requirement of the award of degree Bcom accounts & Data Science from university of Kerala and that no part of this project has been submitted earlier or elsewhere for similar purposes.


**Mrs: MUNNOO MARIA CHARLES**

Lecturer in Commerce  
Department of commerce  
St. John's College Anchal

Signature:   
10/7/23

**Mrs: BAINY GEORGE**

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

Signature:   
10/7/23

*Submitted the university of Kerala for the award of degree B.com Accounts & Data Science degree examination 2023.*

Signature of Examinee : 

Date :

## DEPARTMENT OF COMMERCE



**ST. JOHN'S**  
COLLEGE, ANCHAL

LET YOUR LIGHT SHINE BEFORE MEN

### CERTIFICATE

This is to certify that this report titled "LOAN PREDICTION" is a bonafied record of the project work done by BHAGYA LAKSHMI.P(33620138015) HARITHA M(33620138024), and REMYA M V(33620138039), who are final year (6<sup>th</sup> semester) B.Com Accounts and DataScience, students of St.John's College, Anchal have successfully completed their project. This project work was undertaken as a partial fulfillment for the requirements of the award of the degree of B.com Accounts and DataScience 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 DataScience,  
Department of Commerce  
St.John's College, Anchal

Signature:

*Munnoo Maria Charles*  
10/7/23

**Mrs.BAINY GEORGE**

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

Signature:

*Bainy George*  
10/7/23

*Submitted to the University of Kerala for the award of B.Com Accounts & datascience degree examination, 2023*

Signature of Examinee:

*[Signature]*  
13/7/23

Date:



## DEPARTMENT OF COMMERCE

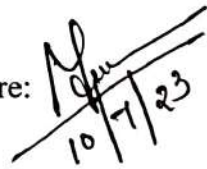


### CIRTIIFICATE

This is to certify that this report titled "FAKE NEWS DETECTION" is a bonafied record of the project work done by DEEPAK RAJ (33620138018), FAROOK M (33620138021), and SANJITH S (33620138040), 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 CHRLES**

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


Signature: 

**Mrs. BAINY GEORGE**

The Head,  
Department 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

LET YOUR LIGHT SHINE BEFORE MEN

### CERTIFICATE

This is to certify that this report titled "FOOD DELIVERY TIME PREDICTION" is a bonafied record of the project work done by ANANDU A S (33620138009) , and MANEESH M (33620138031), who are final year (6<sup>th</sup> 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 fulfillment 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:

*Munnoo*  
10/7/23

**Mrs.BAINY GEORGE**

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

Signature:

*Bainy Sn*  
10/7/23

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

## DEPARTMENT OF COMMERCE



### CERTIFICATE

This is to certify that this report titled CABS AT DOOR is a bonafied record of the project work done by SULFEEKAR.N (33620138047), who is a final year (6th semester) B com Accounts and Data Science, student of St John's College, Anchal has successfully completed my project. This project work was undertaken as a partial fulfillment for the requirements of the award of the degree of B com Accounts and Data Science from the University of Kerala. I also certify that no part of this project has been submitted earlier or elsewhere for a similar purpose.

**MRS MUNNOO MARIA CHARLES**

Lecturer in commerce,  
Department of commerce  
St. John's College, Anchal

Signature

*Munnoo*  
10/7/23

**Mrs. BAINY GEORGE**

The head,  
Department of commerce  
St. John's College, Anchal

Signature

*Bainy*

Submitted to the university of Kerala for the award of B.com degree examination, 2023

Signature of Examinee:

*Sulfekar*  
13/7/23

Date:



## DEPARTMENT OF COMMERCE



### CERTIFICATE

This is to certify that this report titled "GDP PREDECTION" is a bonafied record of the project work done by KARTHIKEYAN R (33620138029) , and MUHAMMAD SHAN (33620138032), who are final year (6<sup>th</sup> 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 fulfillment 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:

*Munnoo*  
10/7/23

**Mrs.BAINY GEORGE**

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

Signature:

*Bainy Sm*  
10/7/23.

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

Signature of Examinee:

*[Signature]*  
13/7/23

Date:



# DEPARTMENT OF COMMERCE



## CERTIFICATE

This is to certify that this report titled CREDIT CAED FRAUD DETECTION is a bonafied record of the project work done by HIMA S KUMAR(33620138025) SHAFINA A(33620138041), and SREELEKSHMI S (33620138046), who are final year (6<sup>th</sup> semester) B.Com Accounts and DataScience, students of St.John's College,Anchal have successfully completed their project. This project work was undertaken as a partial fulfillment for the requirements of the award of the degree of B.com Accounts and DataScience 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 DataScience,  
Department of Commerce  
St.John's College,Anchal

Signature:

*Munnoo*  
10/7/23

**Mrs.BAINY GEORGE**

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

Signature:

*Bainy*  
10/7/23

*Submitted to the University of Kerala for the award of B.Com Accounts & datascience degree examination, 2023*

Signature of Examinee:

*Greetha H*  
13/7/23

Date:

# DEPARTMENT OF COMMERCE



## CERTIFICATE

This is to certify that this report titled "SENTIMENT ANALYSIS ON TWITTER" is a bonafied record of the project work done by ALFIYA NAZAR(33620138005), ASWIN V (33620138014), and RAHUL MR (33620138038), who are final year (6<sup>th</sup> 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 fulfillment 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:

*Munnoo*  
10/7/23

**Mrs.BAINY GEORGE**

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

Signature:

*Bainy George*  
10/7/23

*Submitted in partial fulfillment of the requirement for the award of degree of*

*B com Accounts & Data Science*

Signature of Examinee:

*Alfiya Nazar*  
10/7/23

Date:



# DEPARTMENT OF COMMERCE



**ST. JOHN'S**  
COLLEGE, ANCHAL

LET YOUR LIGHT SHINE BEFORE MEN

## CERTIFICATE

This is to certify that this report titled "Wine Quality Prediction" is a bonafied record of the project work done by ALEN SABU (33620138004), BIMAL GEORGE THOMAS (33620138017), and JOJO REJI (33620138027), who are final year (6<sup>th</sup> 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 fulfillment 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.

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

Signature of Examinee:

*[Handwritten Signature]*  
13/7/23

Date:

**Mrs. MUNNOO MARIA CHARLES**

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

Signature:

*[Handwritten Signature]*  
10/7/23

**Mrs. BAINY GEORGE**

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

Signature:

*[Handwritten Signature]*  
10/7/23



# DEPARTMENT OF COMMERCE




## CERTIFICATE

This is to certify that this report titled “**BITCOIN PRICE PREDICTION USING DEEP LEARNING**” is a bonafied record of the project work done by **AKSHAY S L** (33620138003), **BHAVIN** (33620138016), **VIVEK B S** (33620138051) who are the student of final year ( 6<sup>th</sup> 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 fulfillment for the requirements of award of 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 :  
Department of Commerce  
St. John's College  
Anchal, Kollam


signature:   
10/7/23

**Mrs: BAINYGEORGE**

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

signature:   
10/7/23

*Submitted in partial fulfillment of the requirement for the award of degree of  
B.com Accounts & Data Science*

Signature of examinee: 

Date: 13/7/23

# DEPARTMENT OF COMMERCE



**ST. JOHN'S**  
COLLEGE, ANCHAL

LET YOUR LIGHT SHINE BEFORE MEN

## CERTIFICATE

This is to certify that this report titled "HOUSE PRICE PREDICTION" is a bonafied record of the project work done by **GOPIKA JAYAKUMAR** (33620138023) **SNEHA M. B.**(33620138044), and **SUMI MOL S.** (33620138048), who are final year (6<sup>th</sup> 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 fulfillment 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:

*Munnoo Maria Charles*  
10/7/23

**Mrs. BAINY GEORGE**

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

Signature:

*Bainy George*  
10/7/23

*Submitted to the University of Kerala for the award of B.Com Accounts & data science degree examination, 2023*

Signature of Examinee:

*Sumi Mol S.*  
13/7/23

Date:



# DEPARTMENT OF COMMERCE



**ST. JOHN'S**  
COLLEGE, ANCHAL

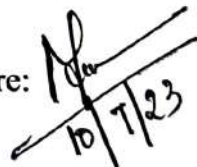
LET YOUR LIGHT SHINE BEFORE MEN

## CERTIFICATE

This is to certify that this report titled **FAKE ACCOUNTS DETECTION IN FACEBOOK USING MACHINE LEARNING TECHNIQUES** is a bonafide record of the project work done by AJMI (33620138002), ARATHY VIJAYAN (33620138011), and NEJA NOUSHAD (33620138037), who are final year (6<sup>th</sup> 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 fulfillment 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:   
10/7/23

**Mrs. BAINY GEORGE**

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

Signature:   
10/6/23

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

Signature of Examinee:  
Date:

  
13/7/23



# DEPARTMENT OF COMMERCE



## CERTIFICATE

This is to certify that this report titled “**House Price Prediction**” is a bonafied record of the project work done by ABIN VARGHESE THARAKAN (33620138001), SONU JOSEPH (33620138045), and V KARTHIK (33620138050), who are final year (6<sup>th</sup> 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 fulfillment 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:

*Munnoo*  
10/7/23

**Mrs. BAINY GEORGE**

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

Signature:

*Bainy*  
10/7/23

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

Signature of Examiner:  
Date:

*Examiner*  
12/7/23