# FORECASTING THE EXCHANGERATE AND TRADE IN INDIA USING AUTOREGRESSIVE INTEGRETED MOVIVING AVERAGE(ARIMA)MODEL

The project submitted to Mahatma Gandhi University, Kottayam, partial fulfilment of the requirement for award of Post-Graduation in Econometrics

### **ARCHANA PRASANTH (220011032684)**

Under the supervision of

Ms Anupama S Anilkumar





Department Of Economics
Alphonsa College, Pala
2022-2024

## ALPHONSA COLLEGE, PALA CERTIFICATE

This is to certify that this project paper report entitled "FORECASTING EXCHANGE RATR AND TRADE IN INDIA [ USING AUTO -REGRESSIVE INTERGATED MOVEING AVERAGE MODEL]" is a term paper done by Archana prasanth in partial requirement for the award of Masters in Econometrics, during 2022-2024, in the Department of Economics, Alphonsa College Pala, under my supervision and guidance.

Smitha Clary Joseph

Head of the Department of Economics

Alphonsa College, Pala

H.O.D. Department of Economics Alphonsa College, Pala

Place: Pala

Date: 15/07/2024

Ms. Anupama S Anilkumar

tana 8

Department of Economics

Project evaluated on Some

Dr. SOUMYA V.S. PEN: 733064 Assistant Professor

**Economics Department** T.M.J.M Government College Manimalakkunnu, Ernakulam-686662

# FORECASTING THE POVERTY AFFECTED IN LIFE EXPETANCY IN INDIA USING AUTOREGRESSIVE INTEGRETED MOVING AVERAGE (ARIMA) MODEL

The project submitted to Mahatma Gandhi University, Kottayam, partial fulfilment of the requirement for award of Post-Graduation in Econometrics

ANUJAKUMAR (220011032683)

Under the supervision of

Ms Anupama S Anilkumar



Department Of Economics

Alphonsa College, Pala

2022-2024

# ALPHONSA COLLEGE, PALA CERTIFICATE

This is to certify that this Term paper report entitled "FORECASTING THE POVERTY AFFECTED IN LIFE EXPETANCY IN INDIA USING AUTOREGRESSIVE INTEGRETED MOVING AVERAGE (ARIMA) MODEL" is a project done by Anujakumar in partial requirement for the award of Masters in Econometrics, during 2022-2024, in the Department of Economics, Alphonsa College Pala, under my supervision and guidance.

Smitha Clary Joseph

Head of the Department of Economics

Alphonsa College, Pala

H.O.D.

Department of Economics Alphonsa College, Pala

Place: Pala

Date: 15 4/2024

Ms. Anupama S Anilkumar

**Department of Economics** 

Alphonsa college, Pala

Project evaluated on 15/7/2024.

Dr. SOUMYA V.S.

PEN: 733064 Assistant Professor Economics Department

T.M.J.M Government College Manimalakkunnu, Ernakulam-686662

# ANALYSE THE RELATIONSHIP BETWEEN TOTAL NATURAL RESOURCES RENTS AND ECONOMIC GROWTH OF GDP IN INDIA

Project report submitted to Mahatma Gandhi University, Kottayam, partial fulfilment of the requirement for award of Post Graduation in Econometrics

By

### **AN MARIA JOSE (220011032682)**

Under supervision of

Ms Sneha Jojo

**Assistant Professor on Contract** 

Alphonsa College Pala

Kerala, India



Department of Economics
Alphonsa College, Pala
2022 – 2024

#### CERTIFICATE

This is to certify that this project report entitled "Analyse the Relationship Between Total natural resources rents and Economic Growth of GDP In India." is a project done by Ms. Sneha jojo in partial fulfilment of the requirements for the award of Masters in Econometrics, during 2022-2024, in the Department of Economics, Alphonsa College Pala, under my supervision and guidance.

Ms. Smitha Clary Joseph

Head of the Department of Economics

Alphonsa College, Palax

H.O.D. Department of Economics Alphonsa College, Pala

Ms. Sneha Jojo

for, manay

Department of Economics

Alphonsa college, Pala

Date: 15/7/2024 Project evaluated and value

PEN: 733064 Assistant Professor **Economics Department** 

T.M.J.M Government College Manimalakkunnu, Ernakulam-686662

# AN ANALYSIS OF GOVERNMENT EXPENDITUER AND GOVERNMENT DEBT

Project report submitted to Mahatma Gandhi University, Kottayam, partial fulfilment of the requirement for award of Post-Graduation in Econometrics

JOMOL JOSE (220011032688)

Under the supervision of

Ms Karthika V Menon





Department of Econometrics
Alphonsa colleage pala
2022-2024

#### CERTIFICATE

This is to certify that the project report entitled "AN ANALYSIS OF GOVERNMENT EXPENDITUER AND GOVERNMENT DEBT" is a project done by Jomol Jose in partial fulfillment of the requirements for the award of Masters in Econometrics, during 2022-2024, in the department of Economics, Alphonsa collage, Pala under my supervision and guidance.

Smitha Clary Joseph

Head of the Department of Economics

Alphonsa College, Pala

H.O.D.

Department of Economics Alphonsa College, Pala

Place: Pala

Date: 15/07/2024

Ms. Karthika

for, allamost

Department of Economics

Alphonsa college, Pala

Project evaluated on 15/7/2024.

Dr. SOUMYA V.S. PEN: 733064

Assistant Professor Economics Department T.M.J.M Government College Manimalakkunnu, Ernakulam-68666?

# ANALYZING THE PERFORMANCE OF AIR CARGO TO PROMOTE INTERNATIONAL TRADE OF INDIA

Project report submitted to Mahatma Gandhi University, Kottayam, partial fulfilment of the requirement for award of Post-Graduation in Econometrics

By ATHIRA SOMAN (220011032685)

Under supervision of MS. Sneha Jojo
Assistant professor





Department of Economics
Alphonsa College Pala
2022 -2024

#### CERTIFICATE

This is to certify that this Internship report entitled as "THE PERFORMANCE OF AIR CARGO TO PROMOTE INTERNATIONAL TRADE OF INDIA" is a project done by MS. ATHIRA SOMAN in partial fulfillment for the award of Masters in Econometrics, during 2022-2024, in the Department of Economics, Alphonsa College Pala, under my supervision and guidance.

Ms. Smitha Clary Joseph

Assistant professor on Contract

Assistant professor on Contract

Head of the Department of Economics

Alphonsa College, Pala

Department of Economics

Alphonsa college, Pala

H.O.D. Department of Economics Alphonsa College, Pala

Pala

Date: 15

Project evaluated on 15/ 2/2024.

Dr. SOUMYA V.S. PEN: 733064 **Assistant Professor Economics Department** T.M.J.M Government College Manimalakkunnu, Ernakulam-686662

# Forecasting Unemployment Trends Amidst Evolving Population Dynamics: A Time Series Analysis for India

Project report submitted to Mahatma Gandhi University, Kottayam, partial fulfillment of the requirement for the award of Post-Graduation in Econometrics.

By

SNEHA S (Reg No: 220011032691)

Under the supervision of

Ms. Anupama Anil S Kumar

Assistant Professor on Contract

Alphonsa College, Pala

Kerala, India





Department of Economics

Alphonsa College, Pala

2022 - 2024

### CERTIFICATE

This is to certify that this project report entitled "Forecasting Unemployment Trends amidst Evolving Population Dynamics: A Time Series Analysis for India" is a project report done by SNEHAS in the partial requirement for the award of Masters in Econometrics, during 2022-2024, in the Department of Economics, Alphonsa College Pala, under my supervision and guidance.

Ms. Smitha Clary Joseph
Assistant Professor and Head of the Department
Contract Department of Economics
Alphonsa College, Pala

Ms. Anupama S Anilkumar

Somood8

Assistant Professor on

Department of Economics

Alphonsa college, Pala.

Ving.

H.O.D.

Department of Economics
Alphonsa College, Pala

Place: Pala

Date: 15/07/2024

Broject evaluated on 15/7/2024.

Dr. SOUMYA V.S.
PEN: 733064
Assistant Professor
Economics Department
T.M.J.M Government College
Manimalakkunnu, Ernakulam-686662

# ANALYZE THE RELATIONSHIP BETWEEN FINANCIAL DEVELOPMENT AND ECONOMIC GROWTH OF GDP

The page report submitted to Mahatma Gandhi University, Kottayam, partial fulfilment of the requirement for award of Post-Graduation in Econometrics

BISMI SAJEEV (220011032686)

Under the supervision of Ms. Sneha Jogo

Assistant Professor on Contract

Department of Economics

Alphonsa College Pala

Kerala, India





Department of Economics
Alphonsa College, Pala
2022 – 2024

#### CERTIFICATE

This is to certify that the project report entitled "Analyse The Relationship Between Financial Development and Economic Growth of GDP in India" is a project done by Ms Bismi Sajeev in partial fulfilment of the requirements for the award of Masters in Econometrics, during 2022-2024, in the department of Economics, Alphonsa collage, Pala under my supervision and guidance.

Mrs Smitha Clary Joseph

Head of the Department of Economics

Alphonsa College, Pala

H.O.D.

Department of Economics Alphonsa College, Pala

Place: Pala

.

Date: 15 /7 /2024

Ms. Sneha Jogo

Department of Economics

Alphonsa College, Pala

Project

evaluated or

Dr. SOUMYA V.S. PEN: 733064

Assistant Professor Economics Department T.M.J.M Government College Manimalakkunnu, Ernakulam-686662

# PANEL DATA ANALYSIS OF FDI ACROSS DIFFERENT ECONOMIES AND FORECASTING INDIA FUTURE FDI USING ARIMA MODEL

Project report submitted to Mahatma Gandhi University, Kottayam, partial fulfilment of the requirement for award of Post Graduation in Econometrics

By

DONA SABU (220011032687)

Under supervision of

Ms Anupama S Anilkumar

Assistant Professor on Contract

Alphonsa College Pala

Kerala, India





Department of Economics
Alphonsa College, Pala
2022 – 2024

#### CERTIFICATE

This is to certify that this project report entitled "PANEL DATA ANALYSIS OF FDI ACROSS DIFFERENT ECONOMIES AND FORECASTING INDIA FUTURE FDI USING ARIMA MODEL" is a project done by Ms Dona Sabu in partial fulfilment of the requirements for the award of Masters in Econometrics, during 2022-2024, in the Department of Economics, Alphonsa College Pala, under my supervision and guidance.

Ms. Smitha Clary Joseph

Head of the Department of Economics

Alphonsa College, Pala,

H.O.D.

Department of Economics
Alphonsa College, Pala

Pala

Date: 15/07/2024

Ms. Anupama S Anilkumar

Department of Economics

Alphonsa college, Pala

Project evaluated on 15/7/2024

Assistant Professor
Economics Department
T.M.J.M Government College
Manimalakkunnu, Ernakulam-686662

# ANALYSE THE EFFECT OF HEALTH SPENDING REDUCES INFANT MORTALITY RATE

Project report submitted to Mahatma Gandhi University, Kottayam, partial fulfilment of the requirement for award of Post Graduation in Econometrics

By MALU BIJU (220011032689)

Under supervision of

### MS. KARTHIKA V. MENON

Assistant professor





Department of Economics
Alphonsa College Pala
2022 -2024

#### CERTIFICATE

This is to certify that this Internship report entitled as "THE HEALTH SPENDING REDUCES INFANT MORTALITY RATE IN INDIA" is a project done by MS. MALU BIJU in partial fulfillment for the award of Masters in Econometrics, during 2022-2024, in the Department of Economics, Alphonsa College Pala, under my supervision and guidance.

Ms. Smitha Clary Joseph
Head of the Department of Economics
Alphonsa College, Pala

Mr. KARTHIKA V. MENON

Department of Economics

for manas

Alphonsa college, Pala

5/.0

H.O.D.

Department of Economics
Alphonsa College, Pala

Pala

Date: 15/07/2024

Project evaluated on 15/2/227.

Dr. SOUMYA V.S.
PEN: 733064
Assistant Professor
Economics Department
T.M.J.M Government College
Manimalakkunnu, Ernakulam-686662

#### ANALYISING THE IMPACT OF INFLATION ON GDP GROWTH RATE

Project report submitted to Mahatma Gandhi University, Kottayam, partial fulfilment of the requirement for award of Post-Graduation in Econometrics

MERIN ELSA SEBASTIAN (220011032690)

Under the supervision of Ms Karthika V Menon





Department of Economics
Alphonsa College Pala
2022 - 2024

# ALPHONSA COLLEGE, PALA CERTIFICATE

This is to certify that this project report entitled "ANALYISING THE IMPACT OF INFLATION ON GDP GROWTH RATE" is a project done by Merin Elsa Sebastian in partial requirement for the award of Masters in Econometrics, during 2022-2024, in the Department of Economics, Alphonsa College Pala, under my supervision and guidance.

Ms Smitha Clary Joseph

Head of the Department of Economics

Alphonsa College, Pala

Ms. Karthika V Menon

Son, makemas

Department of Economics

Alphonsa college, Pala

H.O.D.

Department of Economics Alphonsa College, Pala

Place: Pala

Date: 15/07/2024

Project evaluated or Dr. Sounga-VS.

Dr. SOUMYA V.S. PEN: 733064

Assistant Professor **Economics Department** 

T.M.J.M Government College Manimalakkunnu, Ernakulam-686662