



Goa University

Discipline of Economics, Goa Business School

Understanding Economic Problems Using Data Analysis

1. Title of the Event/Activity/program	Understanding Economic Problems Using Data Analysis
2. Date and Time	27 th May 27, 2024 to June 7, 2024. 10:00 am to 1.00 pm
3. Mode of conduct (Physical/Online)	Physical
4. School/ Directorate/ Section	Lecture hall GF-II, Goa Business School
5. Collaborating Agency/School/Directorate	GBS, Goa University
6. Detail of the Resource Person (Brief biodata)	1. Prof. Pranab Mukhopadhyaya, GBS - 2. Mr. Aditya Amonkar, Govt. College, Sanquelim, Goa 3. Mr. Shreyas Dessai, VVM Shree Damodar College, Margao 4. Ms. Heena Gaude, GBS 5. Ms. Ankita Chari, GBS 6. Ms. Sumita Dattam GBS
7. Number of Faculty attended/participated	07
8. Number of Student attended	28
9. No. of external students/faculty/other participants	02 – Faculty 28 - Students
10. The objectives of the Program/activity/event	This program aimed to provide undergraduate students of affiliated colleges of Goa University with practical skills in data analysis using R and Google Sheets to understand real-world economic problems.



11. Description of the Program/activity/event	The summer school was held in the computer lab facility of the Goa Business School, with daily sessions starting from 10:00 a.m. to 5:15 p.m. in the evening. The resource persons who conducted the summer school include, and the topics handled by them include 1. Prof. Pranab Mukhopadhyaya, GBS – Measuring Climate Change 2. Mr. Aditya Amonkar, Govt. College, Sanquelim, Goa – Collecting and Analysing data from Experiments & Measuring Management Practices 3. Mr. Shreyas Dessai, VVM Shree Damodar College, Margao –Measuring Wellbeing 4. Ms. Heena Gaude, GBS - Measuring Inequality: Lorenz Curves and Gini Coefficient 5. Ms. Ankita Chari, GBS – Measuring the effect of a sugar tax & Measuring the non-monetary cost of unemployment 6. Ms. Sumita Dattam GBS – Supply and Demand & Characteristics of Banking system around the world. The students' feedback was taken during the summer school to make the sessions more beneficial to the student participants.
12. Benefit/Key outcomes of the Program/activity/event	The students were able to understand economic problems affecting society, exposed real data related to economic problems, and demonstrated how to process data through software applications. Based on the analysis, they were able to draw solutions to address the economic problems. Overall, the program was well-received, with participants gaining valuable insights and practical experience in using data analysis to tackle economic problems.
13. Enclosures with report	Brochure, Geo-tag photos, Attendance of students/faculty/external participants.

Signature:

[Handwritten Signature]

Name of coordinator: Sarath Chandran

Designation: Professor

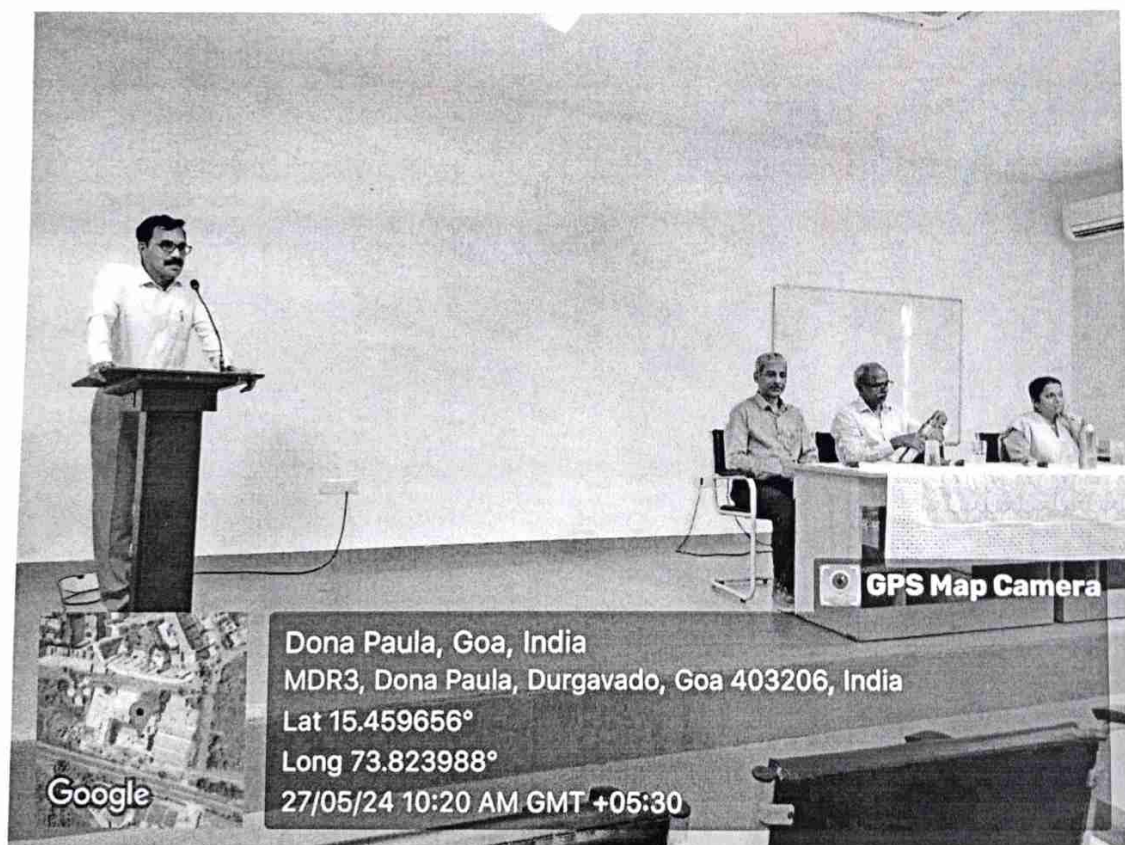
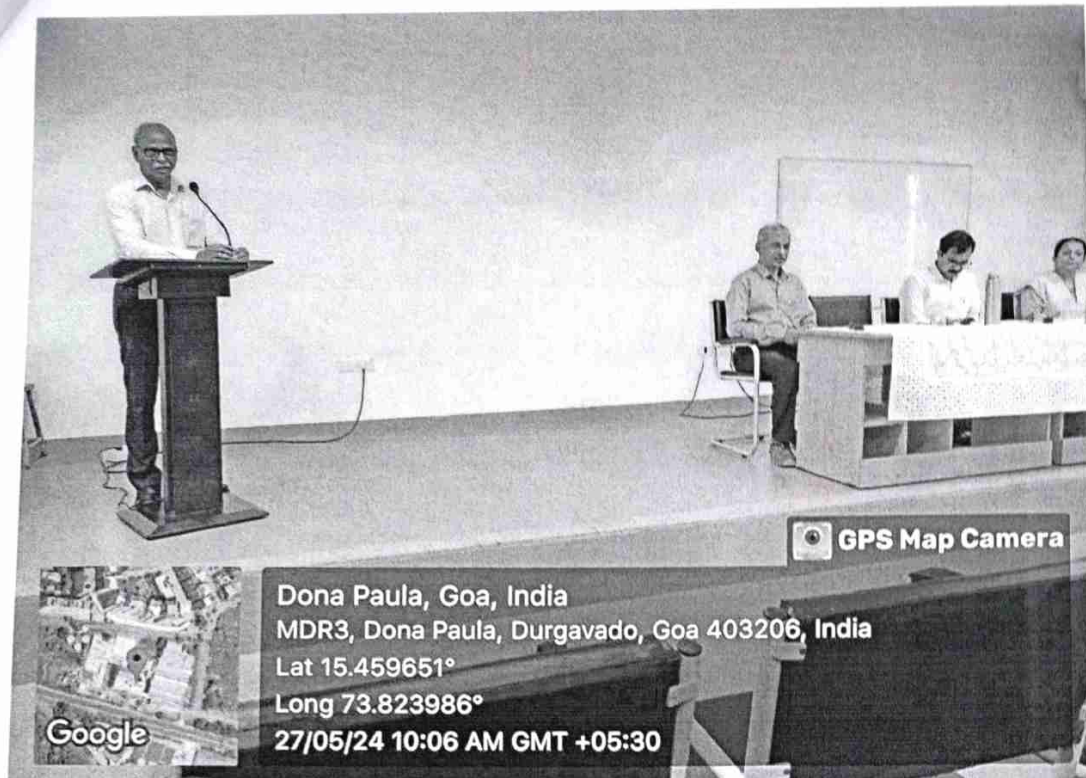
Signature

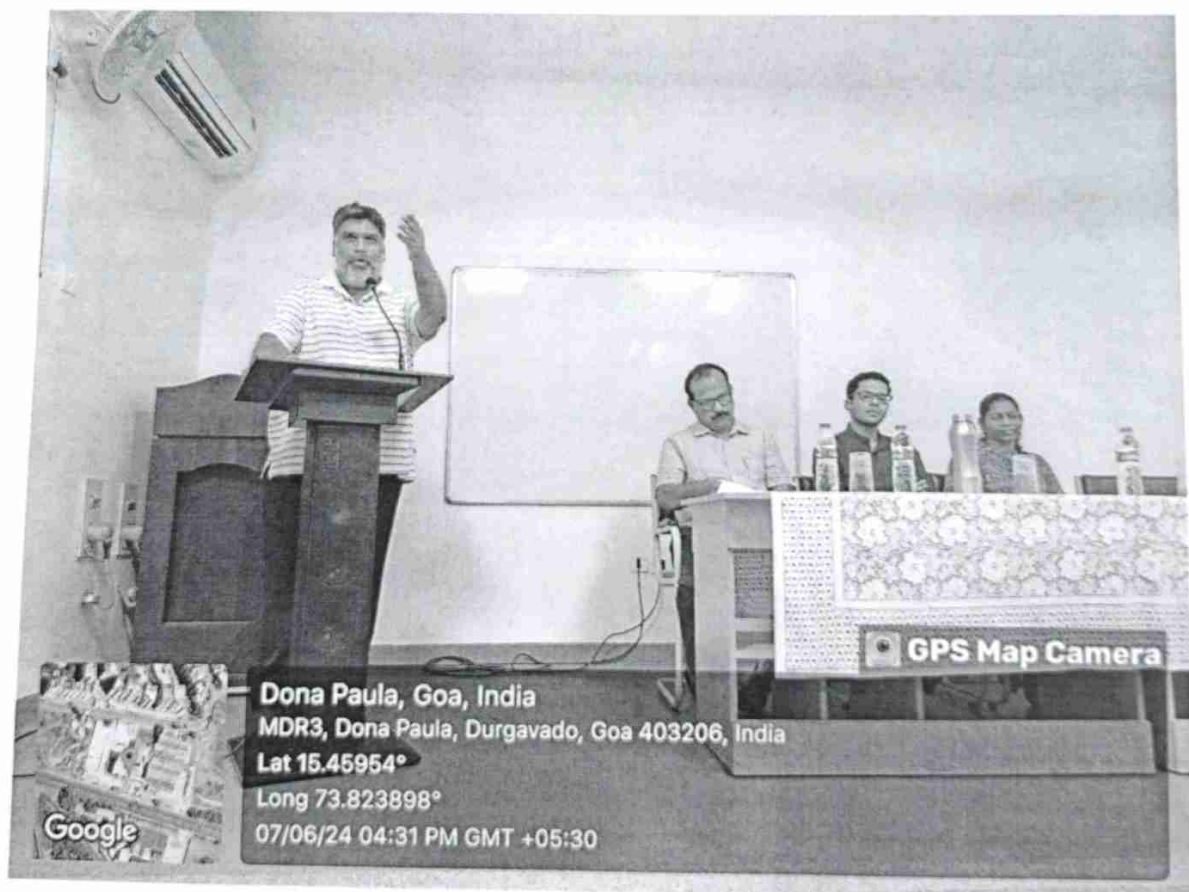
[Handwritten Signature]
10.10.24

Dean

Seal of the School







Goa University
Economics Discipline, Goa Business School (GBS)
Understanding Economic Problems Using Data Analysis
 27th May – 7th June 2024

Attendance Sheet

Date: 27/05/2024

Sl. No.	Name	Sessions (10.00 to 1:15 p.m.)	Sessions (2 to 5:15 pm)
1	SANJANA SATISH GAONKAR	A	A
2	NEHA NARENDRA TARI	<i>[Signature]</i>	<i>[Signature]</i>
3	SINDHU SHAILESH NAIK	A	A
4	PREETI SASIDHARAN	<i>[Signature]</i>	<i>[Signature]</i>
5	SOFIA DO CARMO RODRIGUES	<i>Rodrigues</i>	<i>Rodrigues</i>
6	PRACHITI GURUDAS RAIKAR	<i>[Signature]</i>	<i>[Signature]</i>
7	HAILEY-ANN FERNANDES	Hailey	Hailey
8	SAKIRA KHATUN	A	A
9	VEDIKA MEGHASHAM TIRODKAR	<i>Tirodkar</i>	<i>Tirodkar</i>
10	BHAGYASHREE ASHOK MASURKAR	A	A
11	VISHAKA RUPESH KAMBLI	<i>V. Kambl</i>	<i>V. Kambl</i>
12	SURAJ DEVIDAS DHOND	<i>[Signature]</i>	<i>[Signature]</i>
13	KAVITA TANAJI GURAV	<i>[Signature]</i>	<i>[Signature]</i>
14	SANSKRURI MAHESH RAIKAR	<i>[Signature]</i>	<i>[Signature]</i>
15	PRATIK GAONKAR	<i>[Signature]</i>	<i>[Signature]</i>
16	ASMATH BANU	<i>[Signature]</i>	<i>[Signature]</i>
17	VEENA M.	<i>[Signature]</i>	<i>[Signature]</i>
18	DHIRAJ DILKUSH TALPIKAR	<i>[Signature]</i>	<i>[Signature]</i>
19	SARVANGI SUDEEN (RAJARAM) KENKRE	<i>[Signature]</i>	<i>[Signature]</i>
20	SUJEL SHIVA PATIL	<i>[Signature]</i>	<i>[Signature]</i>
21	RUKMA SHAILESH SINGBAL	<i>[Signature]</i>	<i>[Signature]</i>
22	PREM KISHAN NETARDEKAR	A	A
23	NIYATI ASHOK NARULKAR	<i>[Signature]</i>	<i>[Signature]</i>
24	RUZARIO RICHARD SEQUEIRA	<i>[Signature]</i>	<i>[Signature]</i>
25	DEVYANI SHANKAR KUDNEKAR	<i>[Signature]</i>	<i>[Signature]</i>
26	JULIAN J FERRAO	<i>[Signature]</i>	<i>[Signature]</i>
27	RISHWA GAJANAN DIVKAR	<i>[Signature]</i>	<i>[Signature]</i>
28	RUDRAKSHA PANDURANG RAUL	<i>[Signature]</i>	<i>[Signature]</i>
29	SIERA GRACA LIBERATA RODRIGUES	<i>Rodrigues</i>	<i>Rodrigues</i>

Resource Person

PROF. PRANAB MUKHOPADHYAY

Signature

[Signature]

2181C

Goa University
Economics Discipline, Goa Business School (GBS)
Understanding Economic Problems Using Data Analysis
 27th May – 7th June 2024

Attendance Sheet

Date: 29/05/2024

Sl. No.	Name	Sessions (10.00 to 1:15 p.m.)	Sessions (2 to 5:15 pm)
1	SANJANA SATISH GAONKAR	A	A
2	NEHA NARENDRA TARI	Neel	Neel
3	SINDHU SHAILESH NAIK	A	A
4	PREETI SASIDHARAN	Preeti	Preeti
5	SOFIA DO CARMO RODRIGUES	Rodrigues	Rodrigues
6	PRACHITI GURUDAS RAIKAR	P	P
7	HAILEY-ANN FERNANDES	Hailey	Hailey
8	SAKIRA KHATUN	A	A
9	VEDIKA MEGHASHAM TIRODKAR	Virodka	Virodka
10	BHAGYASHREE ASHOK MASURKAR	A	Bh
11	VISHAKA RUPESH KAMBLI	V. Kambl	V. Kambl
12	SURAJ DEVIDAS DHOND	Suraj	A
13	KAVITA TANAJI GURAV	Kavita	Kavita
14	SANSKRURI MAHESH RAIKAR	Sanskuri	Sanskuri
15	PRATIK GAONKAR	A	A
16	ASMATH BANU	Asmath	Asmath
17	VEENA M.	Veena	Veena
18	DHIRAJ DILKUSH TALPIKAR	Dhiraj	Dhiraj
19	SARVANGI SUDEEN (RAJARAM) KENKRE	Sarvangi	Sarvangi
20	SUJEL SHIVA PATIL	Sujel	Sujel
21	RUKMA SHAILESH SINGBAL	Rsingbal	Rsingbal
22	PREM KISHAN NETARDEKAR	A	A
23	NIYATI ASHOK NARULKAR	Niyati	Niyati
24	RUZARIO RICHARD SEQUEIRA	A	A
25	DEVYANI SHANKAR KUDNEKAR	A	A
26	JULIAN J FERRAO	Julian	Julian
27	RISHWA GAJANAN DIVKAR	Rishwa	Rishwa
28	RUDRAKSHA PANDURANG RAUL	Raul	Raul
29	SIERA GRACA LIBERATA RODRIGUES	Rodrigues	Rodrigues
30	Ruby Mahato	Ruby	Ruby

Resource Person

SHREYAS DESAI

Signature



Goa University
Economics Discipline, Goa Business School (GBS)
Understanding Economic Problems Using Data Analysis
27th May – 7th June 2024

Attendance Sheet

Date: 30/05/2024

Sl. No.	Name	Sessions (10.00 to 1:15p.m.)	Sessions (2 to 5:15 pm)
1	SANJANA SATISH GAONKAR	A	A
2	NEHA NARENDRA TARI	Ne	Ne
3	SINDHU SHAILESH NAIK	A	A
4	PREETI SASIDHARAN	Pre	Pre
5	SOFIA DO CARMO RODRIGUES	Rodrigues	Rodrigues
6	PRACHITI GURUDAS RAIKAR	Pr	Pr
7	HAILEY ANN FERNANDES	Hailey	Hailey
8	SAKIRA KHATUN	A	A
9	VEDIKA MEGHASHAM TIRODKAR	Virodka	Virodka
10	BHAGYASHREE ASHOK MASURKAR	A	A
11	VISHAKA RUPESH KAMBLI	V Kambl	V Kambl
12	SURAJ DEVIDAS DHOND	Suraj	Suraj
13	KAVITA TANAJI GURAV	Kavita	Kavita
14	SANSKRURI MAHESH RAIKAR	Sansk	Sansk
15	PRATIK GAONKAR	Pratik	Pratik
16	ASMATH BANU	Asmath	Asmath
17	VEENA M.	Veena	Veena
18	DHIRAJ DILKUSH TALPIKAR	Dhiraj	Dhiraj
19	SARVANGI SUDEEN (RAJARAM) KENKRE	Sarvangi	Sarvangi
20	SUJEL SHIVA PATIL	Sujel	Sujel
21	RUKMA SHAILESH SINGBAL	Rsingbal	Rsingbal
22	PREM KISHAN NETARDEKAR	A	A
23	NIYATI ASHOK NARULKAR	Niyati	Niyati
24	RUZARIO RICHARD SEQUEIRA	Ruzario	Ruzario
25	DEVYANI SHANKAR KUDNEKAR	Devayani	Devayani
26	JULIAN J FERRAO	Julian	Julian
27	RISHWA GAJANAN DIVKAR	Rishwa	Rishwa
28	RUDRAKSHA PANDURANG RAUL	Raul	Raul
29	SIERA GRACA LIBERATA RODRIGUES	A	A
30	RUBY MAHATO	Rmahato	Rmahato

Resource Person ADITYA P. AMONKAR

Signature 



441c

Goa University
Economics Discipline, Goa Business School (GBS)
Understanding Economic Problems Using Data Analysis
 27th May – 7th June 2024

Attendance Sheet

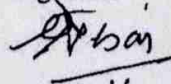
Date: 31/05/2024

Sl. No.	Name	Sessions (10.00 to 1:15p.m.)	Sessions (2 to 5:15 pm)
1	SANJANA SATISH GAONKAR	A	A
2	NEHA NARENDRA TARI	Desai	Desai
3	SINDHU SHAIKESH NAIK	A	A
4	PREETI SASIDHARAN	Desai	Desai
5	SOFIA DO CARMO RODRIGUES	Rodrigues	Rodrigues
6	PRACHITI GURUDAS RAIKAR	B	B
7	HAILEY ANN FERNANDES	Hailey	Hailey
8	SAKIRA KHATUN	A	A
9	VEDIKA MEGHASHAM TIRODKAR	Kiradkar	Kiradkar
10	BHAGYASHREE ASHOK MASURKAR	A	A
11	VISHAKA RUPESH KAMBLI	V Kambl	V Kambl
12	SURAJ DEVIDAS DHOND	Wadgaonkar	Wadgaonkar
13	KAVITA TANAJI GURAV	Desai	Desai
14	SANSKRURI MAHESH RAIKAR	Pratik	Pratik
15	PRATIK GAONKAR	Pratik	Pratik
16	ASMATH BANU	Desai	Desai
17	VEENA M.	Desai	Desai
18	DHIRAJ DILKUSH TALPIKAR	Desai	Desai
19	SARVANGI SUDEEN (RAJARAM) KENKRE	Kenkre	Kenkre
20	SUJEL SHIVA PATIL	Patil	Patil
21	RUKMA SHAIKESH SINGBAL	Rsingbal	Rsingbal
22	PREM KISHAN NETARDEKAR	A	A
23	NIYATI ASHOK NARULKAR	Narulkar	Narulkar
24	RUZARIO RICHARD SEQUEIRA	Sequeira	Sequeira
25	DEVYANI SHANKAR KUDNEKAR	Kudnekar	Kudnekar
26	JULIAN J FERRAO	Julia	Julia
27	RISHWA GAJANAN DIVKAR	Divkar	Divkar
28	RUDRAKSHA PANDURANG RAUL	Raul	Raul
29	SIERA GRACA LIBERATA RODRIGUES	Rodrigues	Rodrigues
30	RUBY MAHATO	Mahato	Mahato

Resource Person

SHREYAS DESAI

Signature




Goa University
Economics Discipline, Goa Business School (GBS)
Understanding Economic Problems Using Data Analysis
 27th May – 7th June 2024

Attendance Sheet

Date: 03/06/2024

Sl. No.	Name	Sessions (10.00 to 1:15 p.m.)	Sessions (2 to 5:15 pm)
1	SANJANA SATISH GAONKAR	A	A
2	NEHA NARENDRA TARI	A	A
3	SINDHU SHAILESH NAIK	A	A
4	PREETI SASIDHARAN	A	A
5	SOFIA DO CARMO RODRIGUES	Rodrigues	Rodrigues
6	PRACHITI GURUDAS RAIKAR	A	A
7	HAILEY ANN FERNANDES	Hailey	Hailey
8	SAKIRA KHATUN	A	A
9	VEDIKA MEGHASHAM TIRODKAR	A	A
10	BHAGYASHREE ASHOK MASURKAR	A	A
11	VISHAKA RUPESH KAMBLI	V Kambl	V Kambl
12	SURAJ DEVIDAS DHOND	A	A
13	KAVITA TANAJI GURAV	A	A
14	SANSKRURI MAHESH RAIKAR	A	A
15	PRATIK GAONKAR	A	A
16	ASMATH BANU	A	A
17	VEENA M.	A	A
18	DHIRAJ DILKUSH TALPIKAR	A	A
19	SARVANGI SUDEEN (RAJARAM) KENKRE	A	A
20	SUJEL SHIVA PATIL	A	A
21	RUKMA SHAILESH SINGBAL	A	A
22	PREM KISHAN NETARDEKAR	A	A
23	NIYATI ASHOK NARULKAR	A	A
24	RUZARIO RICHARD SEQUEIRA	A	A
25	DEVYANI SHANKAR KUDNEKAR	A	A
26	JULIAN J FERRAO	A	A
27	RISHWA GAJANAN DIVKAR	A	A
28	RUDRAKSHA PANDURANG RAUL	A	A
29	SIERA GRACA LIBERATA RODRIGUES	Rodrigues	Rodrigues
30	RUBY MAHATO	A	A

Resource Person : Ankita N. Chari

Signature

Ankita
03/06/2024

77

Goa University
Economics Discipline, Goa Business School (GBS)
Understanding Economic Problems Using Data Analysis
 27th May – 7th June 2024

Attendance Sheet

Date: 06/06/2024

Sl. No.	Name	Sessions (10.00 to 1:15 p.m.)	Sessions (2 to 5:15 pm)
1	SANJANA SATISH GAONKAR	AB	AB
2	NEHA NARENDRA TARI	<i>[Signature]</i>	<i>[Signature]</i>
3	SINDHU SHAILESH NAIK	AB	AB
4	PREETI SASIDHARAN	<i>[Signature]</i>	<i>[Signature]</i>
5	SOFIA DO CARMO RODRIGUES	AB	AB
6	PRACHITI GURUDAS RAIKAR	B	AB
7	HAILEY ANN FERNANDES	Hailey	Hailey
8	SAKIRA KHATUN	AB	AB
9	VEDIKA MEGHASHAM TIRODKAR	<i>[Signature]</i>	<i>[Signature]</i>
10	BHAGYASHREE ASHOK MASURKAR	AB	AB
11	VISHAKA RUPESH KAMBLI	<i>[Signature]</i>	<i>[Signature]</i>
12	SURAJ DEVIDAS DHOND	<i>[Signature]</i>	<i>[Signature]</i>
13	KAVITA TANAJI GURAV	<i>[Signature]</i>	<i>[Signature]</i>
14	SANSKRURI MAHESH RAIKAR	<i>[Signature]</i>	<i>[Signature]</i>
15	PRATIK GAONKAR	<i>[Signature]</i>	<i>[Signature]</i>
16	ASMATH BANU	<i>[Signature]</i>	<i>[Signature]</i>
17	VEENA M.	<i>[Signature]</i>	<i>[Signature]</i>
18	DHIRAJ DILKUSH TALPIKAR	<i>[Signature]</i>	<i>[Signature]</i>
19	SARVANGI SUDEEN (RAJARAM) KENKRE	<i>[Signature]</i>	<i>[Signature]</i>
20	SUJEL SHIVA PATIL	<i>[Signature]</i>	<i>[Signature]</i>
21	RUKMA SHAILESH SINGBAL	<i>[Signature]</i>	<i>[Signature]</i>
22	PREM KISHAN NETARDEKAR	AB	AB
23	NIYATI ASHOK NARULKAR	<i>[Signature]</i>	<i>[Signature]</i>
24	RUZARIO RICHARD SEQUEIRA	<i>[Signature]</i>	<i>[Signature]</i>
25	DEVYANI SHANKAR KUDNEKAR	<i>[Signature]</i>	<i>[Signature]</i>
26	JULIAN J FERRAO	AB	AB
27	RISHWA GAJANAN DIVKAR	<i>[Signature]</i>	<i>[Signature]</i>
28	RUDRAKSHA PANDURANG RAUL	<i>[Signature]</i>	<i>[Signature]</i>
29	SIERA GRACA LIBERATA RODRIGUES	<i>[Signature]</i>	<i>[Signature]</i>
30	RUBY MAHATO	<i>[Signature]</i>	<i>[Signature]</i>

Resource Person *Sumita Datta*

Signature *[Signature]* 6/6/24



36/C

Goa University
Economics Discipline, Goa Business School (GBS)
Understanding Economic Problems Using Data Analysis
 27th May – 7th June 2024

Attendance Sheet

Date: 06/06/2024

Sl. No.	Name	Sessions (10.00 to 1:15 p.m.)	Sessions (2 to 5:15 pm)
1	SANJANA SATISH GAONKAR	AB	AB
2	NEHA NARENDRA TARI	AB	AB
3	SINDHU SHAILESH NAIK	AB	AB
4	PREETI SASIDHARAN	AB	AB
5	SOFIA DO CARMO RODRIGUES	AB	AB
6	PRACHITI GURUDAS RAIKAR	AB	AB
7	HAILEY-ANN FERNANDES	Hailey	Hailey
8	SAKIRA KHATUN	AB	AB
9	VEDIKA MEGHASHAM TIRODKAR	AB	AB
10	BHAGYASHREE ASHOK MASURKAR	AB	AB
11	VISHAKA RUPESH KAMBLI	AB	AB
12	SURAJ DEVIDAS DHOND	AB	AB
13	KAVITA TANAJI GURAV	AB	AB
14	SANSKRURI MAHESH RAIKAR	AB	AB
15	PRATIK GAONKAR	AB	AB
16	ASMATH BANU	AB	AB
17	VEENA M.	AB	AB
18	DHIRAJ DILKUSH TALPIKAR	AB	AB
19	SARVANGI SUDEEN (RAJARAM) KENKRE	AB	AB
20	SUJEL SHIVA PATIL	AB	AB
21	RUKMA SHAILESH SINGBAL	AB	AB
22	PREM KISHAN NETARDEKAR	AB	AB
23	NIYATI ASHOK NARULKAR	AB	AB
24	RUZARIO RICHARD SEQUEIRA	AB	AB
25	DEVYANI SHANKAR KUDNEKAR	AB	AB
26	JULIAN J FERRAO	AB	AB
27	RISHWA GAJANAN DIVKAR	AB	AB
28	RUDRAKSHA PANDURANG RAUL	AB	AB
29	SIERA GRACA LIBERATA RODRIGUES	AB	AB
30	RUBY MAHATO	AB	AB

Resource Person *Sumita Datta*

Signature


 6/6/24


34/C

Goa University
Economics Discipline, Goa Business School (GBS)
Understanding Economic Problems Using Data Analysis
 27th May – 7th June 2024

Attendance Sheet

Date: 07/06/2024

Sl. No	Name	Sessions (10.00 to 1:15 p.m.)	Sessions (2 to 5:15 pm)
1	SANJANA SATISH GAONKAR		
2	NEHA NARENDRA TARI		
3	SINDHU SHAILESH MAIK		
4	PREETI SASIDHARAN		
5	SOFIA DO CARMO RODRIGUES		
6	PRACHITI GURUDAS RAIKAR		
7	HAILEY-ANN FERNANDES	Hailey	Hailey
8	SAKIRA KHATUN		
9	VEDIKA MEGHASHAM TIRODKAR		
10	BHAGYASHREE ASHOK MASURKAR		
11	VISHAKA RUPESH KAMBALI		
12	SURAJ DEVIDAS DHOND		
13	KAVITA TANAJI GURAV		
14	SANSKRURI MAHESH RAIKAR		
15	PRATIK GAONKAR		
16	ASMATH BANU		
17	VEENA M.		
18	DHIRAJ DILKUSH TALPIKAR		
19	SARVANGI SUDEEN (RAJARAM) KENKRE		
20	SUJEL SHIVA PATIL		
21	RUKMA SHAILESH SINGBAL		
22	PREM KISHAN NETARDEKAR		
23	NIYATI ASHOK NARULKAR		
24	RUZARIO RICHARD SEQUEIRA		
25	DEVYANI SHANKAR KUDNEKAR		
26	JULIAN J FERRAO		
27	RISHWA GAJANAN DIVKAR		
28	RUDRAKSHA PANDURANG RAUL		
29	SIERA GRACA LIBERATA RODRIGUES		
30	RUBY MAHATO		

Resource Person Heena Gauche

Signature

