

Date: 01/08/2024

**Bunts Sangha's**

**S. M. Shetty College of Science, Commerce & Management Studies, Powai Permanently**

**Affiliated to University of Mumbai**

**Department of Data Science**

**NOTICE**

This is to inform all the students of first year BSc Data Science that the Department of Data Science is organizing a **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

The students who have not opted for Mathematics during their class 12 will have to complete the bridge course for being eligible for the admission to First Year of B.Sc. Data Science.

The Course will start from 8<sup>th</sup> August-24. The training should be for 30 hours, 2 hours session on each of the following topics followed by examination of 50 marks with 5 marks questions on each of the following topics.

Measurement of Angles	Trigonometric Functions	Trigonometric Functions of compound Angles
Linear in-equations	Determinants	Logarithms
Permutations and Combinations	Mathematical Induction	Binomial Theorem
Integration	Statistics	Probability
Sequences	Differentiation	Factorization Formulae



Course Coordinator



PRINCIPAL  
Bunts Sangha's S.M. Shetty College  
of Science, Commerce & Management Studies  
Powai, Mumbai-400 076.  
Tel. 022-6132 7352  
Email: college@smshettyinstitute.org



**BUNTS SANGHA'S**  
**S. M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES (AUTONOMOUS), POWAI**  
**BRIDGE COURSE ATTENDANCE SHEET - 2024-25**

	DATE	8/8/24	28/8/24	30/8/24	31/8/24	14/8/24	13/8/24	06/9/24	12/9/24	13/9/24	19/9/24	20/9/24	26/9/24	14/10/24	15/10/24	16/10/24
	TIME	10:00 to 1:00 PM	10:00 am to 1:00 pm	10:00 to 1:00	10:00 to 1:00 PM	10:00 to 1:00 PM	10:00 am to 1:00 pm	10:00 to 1:00 PM	10:00 am to 1:00 pm	10:00 am to 1:00 pm	10:00 am to 1:00 pm	10:00 am to 1:00 pm	10:00 am to 1:00 pm	10:00 to 1:00 PM	10:00 to 1:00 PM	10:00 am to 1:00 pm
Sr. no.	Name of the student															
1	CHAUDHARY KULSUM JUNAID	Kulsum	Kulsum	Kulsum	Kulsum	Kulsum	Kulsum	Kulsum	Kulsum	Kulsum	Kulsum	Kulsum	Kulsum	Kulsum	Kulsum	Kulsum
2	CHOUDHARY MUKESHKUMAR GANESHRAM	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh
3	DSOUZA NATHAN MININEN	Nathan	Nathan	Nathan	Nathan	Nathan	Nathan	Nathan	Nathan	Nathan	Nathan	Nathan	Nathan	Nathan	Nathan	Nathan
4	GUPTA JAYMOHAN GHANSHYAMDAS	Jay	Jay	Jay	Jay	Jay	Jay	Jay	Jay	Jay	Jay	Jay	Jay	Jay	Jay	Jay
5	MALIPATIL VENKATESH SANJAYKUMAR	Venk	Venk	Venk	Venk	Venk	Venk	Venk	Venk	Venk	Venk	Venk	Venk	Venk	Venk	Venk
6	PANIGRAHI VAISHALI JEETENDRA	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali
7	PAWAR SAKSHAT PRASHANT	Sakshat	Sakshat	Sakshat	Sakshat	Sakshat	Sakshat	Sakshat	Sakshat	Sakshat	Sakshat	Sakshat	Sakshat	Sakshat	Sakshat	Sakshat
8	PRAHARAJ SAANVI MANINDAR	Saanvi	Saanvi	Saanvi	Saanvi	Saanvi	Saanvi	Saanvi	Saanvi	Saanvi	Saanvi	Saanvi	Saanvi	Saanvi	Saanvi	Saanvi
9	RAJGOR KESAR SATYAM	Kesar	Kesar	Kesar	Kesar	Kesar	Kesar	Kesar	Kesar	Kesar	Kesar	Kesar	Kesar	Kesar	Kesar	Kesar
10	SHAIKH MOHD SAMSER SATTAR ALI	Samsar	Samsar	Samsar	Samsar	Samsar	Samsar	Samsar	Samsar	Samsar	Samsar	Samsar	Samsar	Samsar	Samsar	Samsar
11	SHAIKH NATISH ABDUL KADAR	Natish	Natish	Natish	Natish	Natish	Natish	Natish	Natish	Natish	Natish	Natish	Natish	Natish	Natish	Natish
12	SHETTY SPARSHA RAMESH	Sparsha	Sparsha	Sparsha	Sparsha	Sparsha	Sparsha	Sparsha	Sparsha	Sparsha	Sparsha	Sparsha	Sparsha	Sparsha	Sparsha	Sparsha
13	SONKAR ADITYA DAYARAM	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya

Course In- Charges

Asst. Prof. Suman Upadhyay

*Suman*

Asst. Prof. Namarata Dube

*Namrata v. Dube*

*[Signature]*  
**PRINCIPAL**  
 Bunts Sangha's S. M. Shetty College  
 of Science, Commerce & Management Studies  
 (Autonomous) Powai, Mumbai - 400 076





## BUNTS SANGHA'S

S. M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES (AUTONOMOUS), POWAI  
BRIDGE COURSE EXAMINATION ATTENDANCE SHEET - 2024-25

Date: - 18/10/24

Roll No.	SR. NO.	NAME OF THE STUDENT	SIGNATURE
6	1	CHAUDHARY KULSUM JUNAID	Kulsum
10	2	CHOUDHARY MUKESHKUMAR GANESHRAM	Mukesh
11	3	DSOUZA NATHAN MININEN	Nathan
14	4	GUPTA JAYMOHAN GHANSHYAMDAS	Jay
57	5	MALIPATIL VENKATESH SANJAYKUMAR	Venkatesh
33	6	PANIGRAHI VAISHALI JEETENDRA	Vaishali
35	7	PAWAR SAKSHAT PRASHANT	Sakshat
37	8	PRAHARAJ SAANVI MANINDAR	Saanvi
41	9	RAJGOR KESAR SATYAM	Kesar
66	10	SHAIKH MOHD SAMSER SATTAR ALI	Sam
47	11	SHAIKH NATISH ABDUL KADAR	Natish
51	12	SHETTY SPARSHA RAMESH	Sparsha
54	13	SONKAR ADITYA DAYARAM	Aditya

Name of the supervisor: \_\_\_\_\_

V. B. Hederm

Signature of the supervisor: Vinush B

## BUNTS SANGHA'S

S. M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES (AUTONOMOUS), POWAI  
FIRST YEAR DATA SCIENCE MATHEMATICS AND STATISTIC BRIDGE COURSE EXAMINATION MARKSHEET - 2024-25

SR. NO.	NAME OF THE STUDENT	ROLL NUMBER	MARKS (OUT OF 75)
1	CHAUDHARY KULSUM JUNAID	6	56
2	CHOUHARY MUKESHKUMAR GANESHRAM	10	30
3	DSOUZA NATHAN MININEN	11	30
4	GUPTA JAYMOHAN GHANSHYAMDAS	14	59
5	MALIPATIL VENKATESH SANJAYKUMAR	57	30
6	PANIGRAHI VAISHALI JEETENDRA	33	30
7	PAWAR SAKSHAT PRASHANT	35	30
8	PRAHARAJ SAANVI MANINDAR	37	46
9	RAJGOR KESAR SATYAM	41	30
10	SHAIKH MOHD SAMSER SATTAR ALI	66	37
11	SHAIKH NATISH ABDUL KADAR	47	30
12	SHETTY SPARSHA RAMESH	51	32
13	SONKAR ADITYA DAYARAM	54	53

Asst. Prof. Suman Upadhyay

Asst. Prof. Namarata Dube

Course In- Charges

*Suman*  
*Namarata V. Dube*

*[Signature]*  
Coordinator

*[Signature]*  
PRINCIPAL  
Bunts Sangha's S. M. Shetty College  
of Science, Commerce & Management Studies  
(Autonomous) Powai, Mumbai - 400 076





**Bunts Sangha's**  
**S. M. Shetty College of Science, Commerce & Management Studies (Autonomous),**  
**Powai**

**Department of Data Science**

**Report on Bridge Course of Mathematics & Statistics**

**Date: 10<sup>th</sup> August, 2024 – 15<sup>th</sup> October, 2024**

The Department of Data Science has conducted Bridge Course on Mathematics and Statistics for the learners of first year BSc Data Science from 10<sup>th</sup> August, 2024 – 15<sup>th</sup> October, 2024. The Bridge Course classes were taken by Prof. Suman Upadhyay and Prof. Namarata Dubey. This bridge course is conducted for the students of first year BSc Data Science who were not having Mathematics or Statistics in their HSC in order to fulfil the eligibility of Data Science course admission. Total 13 Students in above case have participated in the course and after evaluation they have successfully completed the course.

**Outcome:** A bridge course in mathematics and statistics helped students strengthen their foundational knowledge, filled gaps in key concepts, and built problem-solving skills. It boosts confidence, prepares students for more advanced coursework, and improved academic performance.

The course levels the playing field for students from diverse backgrounds, ensuring they are better equipped to handle the rigor of higher education. Ultimately, it enhances retention, reduces dropout rates, and increases employability by providing the necessary skills for real-world applications in various fields.

**Course In-Charge**

**Asst. Prof. Suman Upadhyay**

**Asst. Prof. Namarata Dube**

**Coordinator**

**Dr. Tushar Sambare**



Bunts Sangha's  
S.M. Shetty College of Science, Commerce & Management Studies  
Powai, Mumbai-400076

(Permanently Affiliated to University of Mumbai)

NAAC Re-accredited 'A+' Grade (2<sup>nd</sup> cycle)

IMC RBNQ Certificate of Merit-2019

ISO 21001:2018 Certified



## CERTIFICATE OF BRIDGE COURSE COMPLETION

This is to certify that **Mr. SHAIKH MOHD SAMSER SATTAR ALI** of **First Year B.Sc. Data Science** has successfully completed the **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

  
**Course Coordinator**

24 OCT 2024



  
**Principal**



Bunts Sangha's  
S.M. Shetty College of Science, Commerce & Management Studies  
Powai, Mumbai-400076

(Permanently Affiliated to University of Mumbai)

NAAC Re-accredited 'A+' Grade (2<sup>nd</sup> cycle)

IMC RBNQ Certificate of Merit-2019

ISO 21001:2018 Certified



## CERTIFICATE OF BRIDGE COURSE COMPLETION

This is to certify that **Mr. SHAIKH NATISH ABDUL KADAR** of **First Year B.Sc. Data Science** has successfully completed the **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

**Course Coordinator**

24 OCT 2024



**Principal**





Bunts Sangha's  
S.M. Shetty College of Science, Commerce & Management Studies  
Powai, Mumbai-400076

(Permanently Affiliated to University of Mumbai)

NAAC Re-accredited 'A+' Grade (2<sup>nd</sup> cycle)

IMC RBNQ Certificate of Merit-2019

ISO 21001:2018 Certified



## CERTIFICATE OF BRIDGE COURSE COMPLETION

This is to certify that **Ms. SHETTY SPARSHA RAMESH** of **First Year B.Sc. Data Science** has successfully completed the **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

  
**Course Coordinator**

24 OCT 2024



  
**Principal**





Bunts Sangha's  
S.M. Shetty College of Science, Commerce & Management Studies  
Powai, Mumbai-400076

(Permanently Affiliated to University of Mumbai)

NAAC Re-accredited 'A+' Grade (2<sup>nd</sup> cycle)

IMC RBNQ Certificate of Merit-2019

ISO 21001:2018 Certified



## CERTIFICATE OF BRIDGE COURSE COMPLETION

This is to certify that **Mr. SONKAR ADITYA DAYARAM** of **First Year B.Sc. Data Science** has successfully completed the **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

  
**Course Coordinator**

24 OCT 2024



  
**Principal**



Bunts Sangha's  
S.M. Shetty College of Science, Commerce & Management Studies  
Powai, Mumbai-400076

(Permanently Affiliated to University of Mumbai)

NAAC Re-accredited 'A+' Grade (2<sup>nd</sup> cycle)

IMC RBNQ Certificate of Merit-2019

ISO 21001:2018 Certified



## CERTIFICATE OF BRIDGE COURSE COMPLETION

This is to certify that **Ms. CHAUDHARY KULSUM JUNAID** of **First Year B.Sc. Data Science** has successfully completed the **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

  
**Course Coordinator**

24 OCT 2024



  
**Principal**





Bunts Sangha's  
S.M. Shetty College of Science, Commerce & Management Studies  
Powai, Mumbai-400076

(Permanently Affiliated to University of Mumbai)

NAAC Re-accredited 'A+' Grade (2<sup>nd</sup> cycle)

IMC RBNQ Certificate of Merit-2019

ISO 21001:2018 Certified



## CERTIFICATE OF BRIDGE COURSE COMPLETION

This is to certify that **Mr. MALIPATIL VENKATESH SANJAYKUMAR** of **First Year B.Sc. Data Science** has successfully completed the **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

  
**Course Coordinator**

24 OCT 2024



  
**Principal**



Bunts Sangha's  
S.M. Shetty College of Science, Commerce & Management Studies  
Powai, Mumbai-400076

(Permanently Affiliated to University of Mumbai)

NAAC Re-accredited 'A+' Grade (2<sup>nd</sup> cycle)

IMC RBNQ Certificate of Merit-2019

ISO 21001:2018 Certified



## CERTIFICATE OF BRIDGE COURSE COMPLETION

This is to certify that **Ms. PANIGRAHI VAISHALI JEETENDRA** of **First Year B.Sc. Data Science** has successfully completed the **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

  
**Course Coordinator**

24 OCT 2024



  
**Principal**





Bunts Sangha's  
S.M. Shetty College of Science, Commerce & Management Studies  
Powai, Mumbai-400076

(Permanently Affiliated to University of Mumbai)

NAAC Re-accredited 'A+' Grade (2<sup>nd</sup> cycle)

IMC RBNQ Certificate of Merit-2019

ISO 21001:2018 Certified



## CERTIFICATE OF BRIDGE COURSE COMPLETION

This is to certify that **Mr. PAWAR SAKSHAT PRASHANT** of **First Year B.Sc. Data Science** has successfully completed the **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

  
**Course Coordinator**

24 OCT 2024



  
**Principal**



Bunts Sangha's  
S.M. Shetty College of Science, Commerce & Management Studies  
Powai, Mumbai-400076

(Permanently Affiliated to University of Mumbai)

NAAC Re-accredited 'A+' Grade (2<sup>nd</sup> cycle)

IMC RBNQ Certificate of Merit-2019

ISO 21001:2018 Certified



## CERTIFICATE OF BRIDGE COURSE COMPLETION

This is to certify that **Ms. DSOUZA NATHAN MININEN** of **First Year B.Sc. Data Science** has successfully completed the **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

  
**Course Coordinator**

24 OCT 2024



  
**Principal**





Bunts Sangha's  
S.M. Shetty College of Science, Commerce & Management Studies  
Powai, Mumbai-400076

(Permanently Affiliated to University of Mumbai)

NAAC Re-accredited 'A+' Grade (2<sup>nd</sup> cycle)

IMC RBNQ Certificate of Merit-2019

ISO 21001:2018 Certified



## CERTIFICATE OF BRIDGE COURSE COMPLETION

This is to certify that **Mr. GUPTA JAYMOHAN GHANSHYAMDAS** of **First Year B.Sc. Data Science** has successfully completed the **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

  
**Course Coordinator**

24 OCT 2024



  
**Principal**



Bunts Sangha's  
S.M. Shetty College of Science, Commerce & Management Studies  
Powai, Mumbai-400076

(Permanently Affiliated to University of Mumbai)

NAAC Re-accredited 'A+' Grade (2<sup>nd</sup> cycle)

IMC RBNQ Certificate of Merit-2019

ISO 21001:2018 Certified



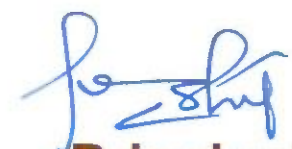
## CERTIFICATE OF BRIDGE COURSE COMPLETION

This is to certify that **Ms. RAJGOR KESAR SATYAM** of **First Year B.Sc. Data Science** has successfully completed the **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

  
**Course Coordinator**

**24 OCT 2024**



  
**Principal**





Bunts Sangha's  
S.M. Shetty College of Science, Commerce & Management Studies  
Powai, Mumbai-400076

(Permanently Affiliated to University of Mumbai)

NAAC Re-accredited 'A+' Grade (2<sup>nd</sup> cycle)

IMC RBNQ Certificate of Merit-2019

ISO 21001:2018 Certified



## CERTIFICATE OF BRIDGE COURSE COMPLETION

This is to certify that **Ms. PRAHARAJ SAANVI MANINDAR** of **First Year B.Sc. Data Science** has successfully completed the **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

  
**Course Coordinator**

24 OCT 2024



  
**Principal**



Bunts Sangha's  
S.M. Shetty College of Science, Commerce & Management Studies  
Powai, Mumbai-400076  
(Permanently Affiliated to University of Mumbai)  
NAAC Re-accredited 'A+' Grade (2<sup>nd</sup> cycle)  
IMC RBNQ Certificate of Merit-2019  
ISO 21001:2018 Certified



## CERTIFICATE OF BRIDGE COURSE COMPLETION

This is to certify that **Mr. CHOUDHARY MUKESHKUMAR GANESHRAM** of **First Year B.Sc. Data Science** has successfully completed the **Bridge Course on Mathematics and Statistics** for eligibility to B.Sc. Data Science Programme as per the guidelines by the University of Mumbai vide circular no. AAMS\_UGS/ICD/2022-23/99 dated 15-09-2022, Ordinance No: 6606.

  
**Course Coordinator**

24 OCT 2022



  
**Principal**