#### BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE AND MANAGEMENT STUDIES, POWAI NAAC RE-ACCREDITED 'A+' GRADE IMC RBNQ CERTIFICATE OF MERIT 2019 ISO 21001:2018 CERTIFIED Student Enrichment Activity Approval Form 2023-24

#### **DEPARTMENT:** ACCOUNTANCY AND FINANCIAL MANAGEMENT

**PROGRAMME**: Bridge Course in Mathematics for first year students of BCom, BBI, BAF and BMS.

#### **OBJECTIVES:**

- 1. To bridge the gap for the students who did not take Maths as a subject in their HSC but they would be studying it in the degree course.
- 2. To help the students to understand the basic concepts in Mathematics and Statistics for smooth learning in their first year.
- 3. To help the students to overcome fear for the subject by regular practice.
- 4. To prepare the students to solve mathematical problems with confidence and accuracy.

**<u>NEED</u>**: The students who faced difficulties in Mathematics at their school level and left the subject in HSC will be benefited.

#### CONTENT:

- · Problems involving addition, multiplication, division, subtraction
- · BODMAS will be introduced
- · Laws of Ratio and proportion
- $\cdot$  Comparison of two ratios, inverse ratio, effect of increase or decrease of quantity on ratio  $\cdot$  How to calculate percentage and problems based on ratio, proportion and percentage from competitive exams
  - ➤ Divisibility tests of 2,3, 4, 5, 6, 8, 9, 10 and 11
  - > Problems based of HCF and LCM from competitive exams
- $\cdot$  Conversion of fractions to decimals and vice versa
- $\cdot$  Conversion of fractions and decimals to percentage and vice versa
- · Fundamental Principle of Counting
- $\cdot$  Factorial notation
- · Simple problems based on Permutation and Combination

 $\cdot$  Basic terms and concepts related to Interest (Simple Interest and Compound Interest  $\cdot$  Simple problems based on Simple Interest and Compound Interest from competitive exams.  $\cdot$  Easy ways and tricks to do calculations using Vedic Mathematics concepts.

Date: 5th August 2023 to 17th August 2023 Venue: Room Number Audio Visual Room, 6th Floor.

Duration: Thirty hours

Budget: Free of Cost

Proposed by: Department of Accountancy and Financial Management

Verified by: Dr. Sridhara Shetty – Principal -

#### Bunts Sangha's S.M. Shetty College of Science, Commerce and Management Studies, Powai, Mumbai – 400076 Permanently Affiliated to University of Mumbai NAAC Re-Accredited 'A+' Grade IMC RBNQ Certificate of Merit 2019ISO 21001:2018 Certified Department of Accountancy and Financial Management

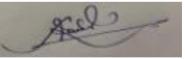
## **Minutes of the Meeting**

The Mathematics Departmental meeting was held on 2<sup>nd</sup> August 2023 at 12:30 pm in the Conference room. The agenda for the meeting was as follows:

1. It was decided that Department will be conducting Bridge course in Mathematics from 5<sup>th</sup> August, 2023 onwards and teachers were requested to plan their course schedule likewise. 2. It was discussed with B. Com. Coordinator and Vice Principal Assistant Prof Sandesha Shetty that the course would be conducted for 30 hours.

3. It was also decided that the timings would be after 12 pm. for the convenience of students as they have lectures till 12 pm. for a duration or maximum 2 hours per day.

4. The syllabus and topic allotment to teachers was discussed by Asst Prof Suman Upadhyay and Asst Prof Namrata Dube and finalized.



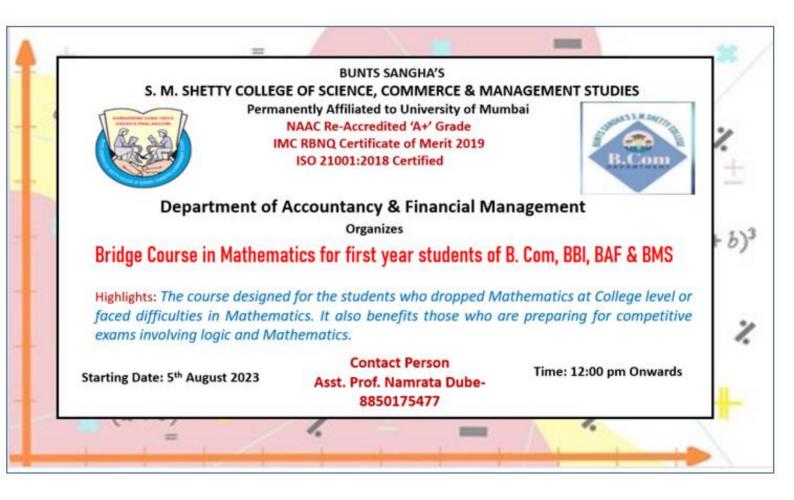
Mr. Sandesha Shetty HOD & Vice Principal

Teachers who attended the meeting:

Name	Signature
Mr. Sandesha Shetty (In-charge of the Department)	Al
Ms. Namrata Dube (Member of Accountancy and Mathematics Department)	Namenta V. Dale
Ms. Suman Upadhyay (In-charge of Mathematics Department)	Bindent

# Bunts Sangha's S.M. Shetty College of Science, Commerce and Management Studies, Powai, Mumbai – 400076 Permanently Affiliated to University of Mumbai NAAC Re-Accredited 'A+' Grade IMC RBNQ Certificate of Merit 2019 ISO 21001:2018 Certified Department of Accountancy and Financial Management

# POSTER



# WhatsApp Message

# Department of Mathematics & Statistics of Bunts Sangha's S. M. Shetty College of Science, Commerce & Management Studies, Powai Organising Bridge Course in Mathematics for First Year Students.

## **Highlights:**

This Course is designed to support students who face challenges in Elementary

Mathematics. Lectures will be starting from 5<sup>th</sup> August 2023 (12 pm to 2 pm).

Interested Students, please fill out the form: https://forms.gle/LUHokR7qAtmh6jSn7 Bunts Sangha's S.M. Shetty College of Science, Commerce and Management Studies, Powai Mumbai – 400076 Permanently Affiliated to University of Mumbai NAAC Re-Accredited 'A+' Grade IMC RBNQ Certificate of Merit 2019 ISO 21001:2018 Certified BRIDGE COURSE IN MATHEMATICS FOR FIRST YEAR STUDENTS OF COMMERCE AND MANAGEMENT STUDIES

# BUDGET

# (Scheduled from 5<sup>th</sup> August 2023 to 17<sup>th</sup> August 2023)

S.NO.	PARTICULARS	AMOUNT
1		NIL

#### Bunts Sangha's S.M. Shetty College of Science, Commerce and Management Studies, Powai, Mumbai – 400076 Permanently Affiliated to University of Mumbai NAAC Re-Accredited 'A+' Grade IMC RBNQ Certificate of Merit 2019ISO 21001:2018 Certified

# **Department of Accountancy and Financial Management**

Course Date: 5<sup>th</sup> August to 17<sup>th</sup> August 2023

		<u>Course senedure</u>	
Date	Time	Торіс	Name of the Faculty
5/08/2023	12:00 pm to 2:00 pm	Problems involving addition, multiplication, division, subtraction	Ms. Namrata Dube
07/08/2023	12:00 pm to 2:00 pm	BODMAS rule, Ratio and Proportion	Ms. Namrata Dube
08/08/2023	12:00 pm to 2:00 pm	Divisibility tests of 2,3, 4, 5, 6, 8, 9, 10 and 11.	Ms. Namrata Dube
09/08/2023	12:00 pm to 2:00 pm	HCF and LCM	Ms. Namrata Dube
10/08/2023	12:00 pm to 2:00 pm	Conversion of fractions to decimals and vice versa.	Ms. Namrata Dube
11/08/2023	12:00 pm to 2:00 pm	Conversion of fractions and decimals to percentage and vice versa.	Ms. Namrata Dube
12/08/2023	12:00 pm to 2:00 pm	Fundamental Principle of Counting	Ms. Namrata Dube
14/08/2023	12:00 pm to 2:00 pm	Permutations & Combinations	Ms. Namrata Dube
15/08/2023	12:00 pm to 2:00 pm	Problems based on finding the solutions of linear equations in 1 variable.	Ms. Namrata Dube
16/08/2023	12:00 pm to 2:00 pm	Finding the solution of linear equations in 2 variables.	Ms. Namrata Dube
17/08/2023	12:00 pm to 2:00 pm	Doubt Clearing Session	Ms. Namrata Dube

# **Course Schedule**

#### Bunts Sangha's S.M. Shetty College of Science, Commerce and Management Studies, Powai, Mumbai – 400076 Permanently Affiliated to University of Mumbai NAAC Re-Accredited 'A+' Grade IMC RBNQ Certificate of Merit 2019ISO 21001:2018 Certified

#### Department of Accountancy and Financial Management

#### REPORT

Event: Bridge Course in Mathematics for first year students of B. Com, BBI, BAF and BMS. Date: 5<sup>th</sup> August 2023 to 17<sup>th</sup> August 2023
Timings: 12 pm to 2 pm
Venue: 6<sup>Th</sup> Floor AV Room.
Objective: To help the students to understand the basic concepts in Mathematics and Statistics for smooth learning in their first year.

**Highlights:** Department of Accountancy and Financial Management conducted Bridge course in Mathematics for first year students of B. Com, BBI, BAF and BMS. The Course was conducted from 5<sup>th</sup> August 2023 to 17<sup>th</sup> August 2023 in 6<sup>th</sup> Floor AV Room. Students from B. Com, BBI, BAF and BMS have registered and in total we had 50 students registered for the same.

Namenta V. Dabe

Persh

Principal

Convener

#### Bunts Sangha's S.M. Shetty College of Science, Commerce and Management Studies, Powai, Mumbai – 400076 Permanently Affiliated to University of Mumbai NAAC Re-Accredited 'A+' Grade IMC RBNQ Certificate of Merit 2019ISO 21001:2018 Certified

# **Department of Accountancy and Financial Management**

Sr. No.	Name of the student	Class	Gender	Roll Number
1	Parvez shah	FYBMS	Male	105
2	Harsha Mhatre	FYBMS	Female	137
3	Bhumi Salian	FYBMS	Female	99
4	Priya Yadav	FYB.Com	Female	124
5	Avishka mishra	FYB.Com	Female	164
6	Ansari Zoya irfan	FYBMS	Female	73
7	Devika Nayak	FYBMS	Female	31
8	Prakrathi Prabhakara Poojari	FYB.Com	Female	130
9	Siddhi Surendra Poojari	FYBMS	Female	134
10	Samiya khan	FYBMS	Female	139
11	Shaikh Asiya Abdul Jabbar	FYB.Com	Female	14
12	Shruti Umesh Parab	FYB.Com	Female	73
13	Ansari Abdul Haadi	FYB.Com	Male	165
14	Siddhesh Kadam	FYBMS	Male	59
15	Adarsh gowda	FYB.Com	Male	87
16	Deepali Raghunath Dhanve	FYBBI	Female	14
17	PatelZeel	FYB.Com	Female	115
18	Ujala yadav	FYB.Com	Female	181
19	Akshata shetty	FYBMS	Female	108
20	Mohd Arkam shami Qureshi	FYB.Com	Male	64
21	Mohd Arkam shami Qureshi	FYB.Com	Male	64
22	Pranit Yadav	FYBMS	Male	65
23	Swaraj Sanjay Kute	FYBMS	Male	26
24	Sonkamble Sambai	FYBBI	Female	56
25	Shree shirodkar	FYBMS	Male	140
26	Aaisha khan	FYBMS	Female	83
27	Chaitanya Phadtare	FYBMS	Male	93
28	Nishtha Timmanpyati	FYBMS	Female	121
29	Prem shinde	FYBMS	Male	57
30	sahaniashish333@gmail.com	FYB.Com	Male	32
31	Rickson Mascarenhas	FYB.Com	Male	29
32	Himani Soni	FYBMS	Female	117
33	Saanvi Poojari	FYBMS	Female	95
34	Sonali pawar	FYB.Com	Female	8
35	Hajera	FYBBI	Female	38
36	ANKITA TULASHIRAM MALI	FYBBI	Female	28

# **LIST OF STUDENTS**

Sr. No.	Name of the student	Class	Gender	Roll Number
37	Shaikh zaara	FYBBI	Female	72
38	Yash polekar	FYB.Com	Male	30
39	Shabaz khan	FYB.Com	Male	85
40	Khan nausheen	FYB.Com	Female	131
41	Shaikh amir hamza ikbal Hussain	FYB.Com	Male	78
42	Rishikesh varma	FYB.Com	Male	13
43	Rohit butiya	FYB.Com	Male	50
44	Asmit yadav	FYB.Com	Male	118
45	Faiz shaikh	FYB.Com	Male	86
46	Astha Deepak Gaikwad	FYB.Com	Female	37
47	Vian Soni	FYBMS	Male	58
48	Samuel Pandian	FYB.Com	Male	63
49	Siddhesh Sambhaji Gaikwad	FYBBI	Male	18
50	Raj Pramod Modsing	FYB.Com	Male	62

#### Bunts Sangha's S.M. Shetty College of Science, Commerce and Management Studies, Powai, Mumbai – 400076 Permanently Affiliated to University of Mumbai NAAC Re- Accredited 'A+' Grade IMC RBNQ Certificate of Merit 2019ISO 21001:2018 Certified Department of Accountancy and Financial Management

# ATTENDANCE RECORD (5<sup>th</sup> August 2023 to 17<sup>th</sup> August 2023)

# Name of the Faculty: Asst. Prof. Namrata Dube

# BRIDGE COURSE IN MATHEMATICS FOR FIRST YEAR STUDENTS (2023-24)

[		Class			·		Dates	of lectures	Time	: 12 pm.	-2 pm
5	.N. Name of the student	Class	R. No	5 8 23	3 7/08/2-2	8 08 23	1	1.	1	14/08/15/08	5 16 08 17 32
	1 Parvez shah	FYBMS	105	Ab	Dh	Ab	Ab	AL	Ab	AbAb	1brb
2	2 Harsha Mhatre	FYBMS	137	Ab	Andatra	Hathal	Ab	Harberton	Unalas	Hales Anto	Ab Frata
3	Bhumi Salian	FYBMS	99	Anuns	-	Ab	Ab	Ehupa	Amini	- Amolin	OBJours Shumi
4	Priya Yadav	FYB.Com	124	Priva	Priya	Ab	Ab	Priya	Priya	Privepri	partriya Ab
5	Avishka mishra	FYB.Com	164	Ab	Kisture	Husher	Huishe	Ab	Ab	Hunderte Hind	Kuduh Hude
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7	Devika Nayak	FYBMS	31	Ab	Devika			Devilog	Devilo	Devilig Devil	Devil Ab
8	Prakrathi Prabhakara Poojari	FYB.Com	130	Praticathe	Prutraile		Pruban	Pratrathi	Balacathi	Babah Preter	Pratest Pratie
9	Siddhi Surendra Poojari	FYBMS	134	S2005T	Ab	SIZOUSI'	5200ri	Ab	SL200511	Spear Stear	Stoat Stoat
10	Samiya khan	FYBMS	139	Ans	812	8ND	\$12	SAD	8US	and and	\$4 8M
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2	Shruti Umesh Parab	FYB.Com	73	SYNDE	Ab	Storen	Shann	Schaper	Sparran		Stores Stares
	Siddhesh Kadam	FYBMS	59	Ab	Ab	Ab	Ab	AL	Ab	Ap' No	01 01
A	Adarsh gowda	FYB.Com	87	Edans	Faun	A-b	Dame	Adam	Adaust	Adak dola	Ada Adams

ATTENDANCE SHEET

		Class		Dates of lectures Time: 12 pm-2 pr								
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2	6 Aaisha khan	FYBMS	83	Ab	Ab	Ab	Ab	Ab	Ab	Ab Ab	ABA	
2	7 Chaitanya Phadtare	FYBMS	93	Chaitony	s Pritacy	chaitany	Tritage	Hailany	Ab	ching	chaiter	
2	8 Nishtha Timmanpyati	FYBMS	121	Ab	Ab	Ab	Ab	-Ab	Ab	A6 A6	Ab A	
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3	36	ANKITA TULASHIRAM MALI	FYBBI	28	Ankita	Ankity	Annity	Christ	Ankity	- Andity	Ankity	Ankit
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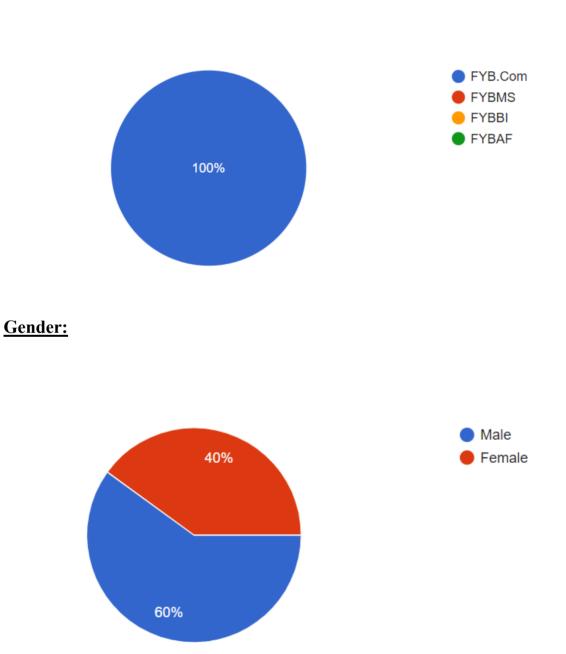




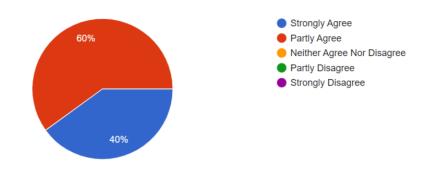
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# FEEDBACK ANALYSIS

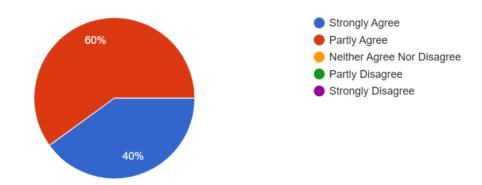
Class:



#### Is the Bridge course really served the purpose?



#### Is the Bridge course relevant and meaningful?



## Any Suggestion?

Yes
Good
the bridge course was really helpful
No
Anyone who don't know basic maths they can join this bridge course in maths

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# **ACTION TAKEN REPORT**

Action taken by Department of Accountancy and Financial Management on the feedback provided

DATE	Feedback Received	Action Taken
5 <sup>th</sup> August 2023 to 17 <sup>th</sup> August 2023	<ul> <li>Attendees expressed their gratitude for the Department's dedicated efforts in organizing this course, tailored for FY students.</li> <li>The sessions received positive feedback from students who found them highly beneficial, leading to improved clarity of concepts.</li> <li>Participants commended the teaching faculty for their comprehensive coverage of essential mathematical principles.</li> </ul>	The Department of Accountancy and Financial Management intends to continue offering the Bridge Course in the upcoming years, aiming to provide ongoing benefits to students.

on Bridge Course in Mathematics for first year students of B. Com, BBI, BAF and BMS.



1028

Principal

Convener

# BRIDGE COURSE IN MATHEMATICS FOR FIRST YEAR STUDENTS (2023-24)

# ATTENDANCE SHEET

						· · · · ·		Datas	of lootunes	Time	12 pm.	-2 pm
	S.N.	Name of the student	Class	R. No	5 8 2	3 7/08/22	8 8 08 23		of lectures		14/08/15/08	16/08/17/22/2
	1	Parvez shah	FYBMS	105	151012 Ab		Ab	Ab	Ab	Ab	AbAb	16 Ab
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F	4	Priya Yadav	FYB.Com	124	Thurs	Friya	Ab	Ab	Priya	Priya	Privepri	p Priya Ab
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	7 [	Devika Nayak	FYBMS	31	Ab			1	Devilog	Devilo		Devil Ab
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9	Si	iddhi Surendra Poojari	FYBMS	134	SI20051	Ab	SI20USI	S20051	Ab	S PODSII	11 1	2550 0501
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12	Shr	ruti Umesh Parab	FYB.Com	73	SKARL	Ab	Storen	Alanap	Shaver	Daran	1 1/1	Stores Stares
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19	Akshata shetty	FYBMS	108	Ab	Ab	Ab	Ab	Ab	Ab	Ab Ab	Ab Ab
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22	Pranit Yadav	FYBMS	65	panna	Ab	Pana	Ab	Panna	Panna	Passa part	A6 Ab
23	Swaraj Sanjay Kute	FYBMS	26	June	shule	shue	skub	Shule	Ab	Julie Bule	Julie Ball
24	Sonkamble Sambai	FYBBI	56	Ab	Sambai	Sambo	e Sambe	Kimbai	Samh	Runbai Sar	nai Rambeil
25	Shree shirodkar	FYBMS	140	Ab	Ab	Ab	Ab	Ab	Ab	Ab Ab	1
26	Aaisha khan	FYBMS	83	Ab	Ab	Ab	Ab	Ab	Ab	Ab Ab	AbAb
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28	Nishtha Timmanpyati	FYBMS	121	Ab	Ab	Ab	Ab	Ab	Ab	Ab Ab	Ab Ab
29	Prem shinde	FYBMS	57	Ab	Ab	Ab	Ab	Ab	Ab	AbAb	
30	sahaniashish333@gmail.com	FYB.Com	32	Ashish	Arhish	Arhich	Ashith	Ab	Ashish	Ashim Ashi	h AshinAshi B
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# **Bunts Sangha's**

# S M Shetty College of Science, Commerce & Management Studies, Powai

# Department of Information Technology

#### 2023-2024

#### Date:21/07/2023

Bridge Cours	se	
Class: FYBS	cIT(Sem I)	
Subject: Digi	ital Electronics	
Content:		
Module 1: Ov	verview of Electronics	1 Hour
• Introdu	uction to Electronics	
0	Definition and significance of electronics.	
0	Applications of electronics in various fields.	
• Basics	s of Electricity	
0	Understanding voltage, current, and resistance.	
0	Ohm's Law and its applications.	
Module 2: In	troduction to Analog Electronics	1 Hour
• Funda	mentals of Analog Signals	
0	Explanation of continuous signals.	
0	Analog devices and their applications.	
• Introdu	uction to Electronic Components	
0	Resistors, capacitors, and inductors.	
0	Simple circuits and their behavior.	
Module 3: In	troduction to Digital Electronics	1 Hour
• Introdu	uction to Digital Signals	
0	Explanation of discrete signals.	

o Binary system and representation.

- Digital Logic Gates
  - o Basic logic gates (AND, OR, NOT).
  - o Truth tables and logic gate applications.

#### Module 4: Analog and digital

- Analog vs. Digital Electronics
  - o Basic differences between analog and digital signals.
  - o Real-world examples of analog and digital systems.
- Real-World Application Case Study
  - Examining a real-world scenario where both analog and digital electronics play a crucial role.

#### Module 5: Analog to Digital and Analog Conversions

- Introduction to Analog to Digital Conversion:
  - Basics of converting continuous analog signals to digital representation.
  - ADC (Analog-to-Digital Converter) and its applications.
- Practical Analog Conversion:
  - Converting units: Kilograms to grams.
  - Understanding the concept and process of unit conversion.

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Principal

Subject Teacher

Coordinator

1 Hour

## **Bunts Sangha's**

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

# **Department of Information Technology**

#### Notice

#### Date:21/07/2023

This is to inform all the students of FYBScIT (A and B) division that a Bridge Course on Basics of Digital Electronics is organized where learners will be taught about basics of digital signals, numbers systems and logic gates which will help learners to understand SEM I Digital Logic and Application concepts well.

Date	Module	Time
24-07-2023	Module 1	12 pm to 1pm
25-07-2023	Module 2	12 pm to 1pm
26-07-2023	Module 3	12.15 pm to 1.15 pm
31-07-2023	Module 4	12 pm to 1 pm
1-08-2023	Module 5	12 pm to 1 pm

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Principal

Subject Teacher

Coordinator

#### **Bunts Sangha's**

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

#### **Department of Information Technology**

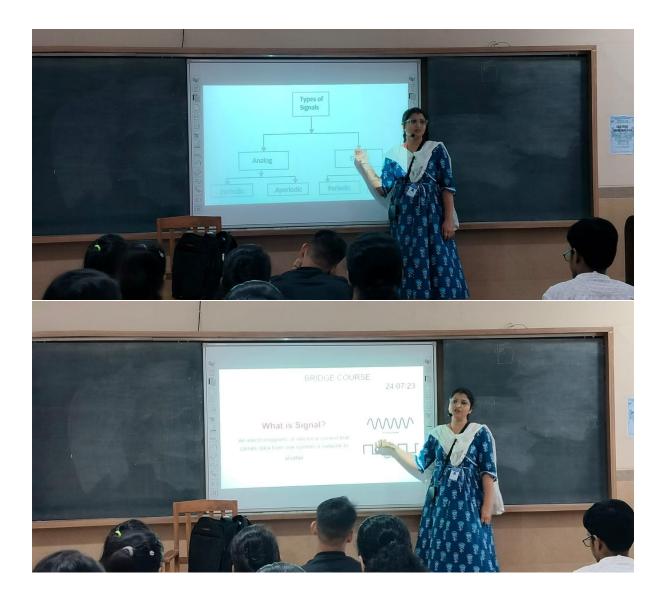
#### **REPORT:**

The Bridge Course on "Introduction to Electronics for Commerce Students" was conducted successfully for 5 days starting from July 24, 2023. The course aimed to provide students with a commerce background an insight into the fundamentals of electronics, with a particular focus on both analog and digital electronics. The primary objective was to bridge the knowledge gap and create a foundational understanding of electronic concepts.

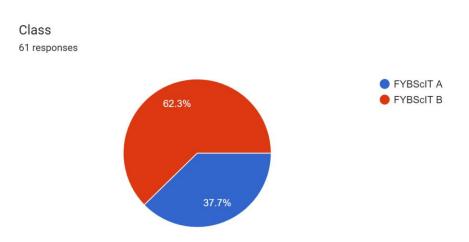
The course witnessed active participation from the attendees, creating an engaging and interactive learning environment. The diverse background of participants, primarily from commerce, contributed to enriching discussions and varied perspectives.

The Bridge Course on "Introduction to Electronics for Commerce Students" achieved its goal of providing a foundational understanding of both analog and digital electronics. Participants gained insights into the world of electronics, and the case study helped them apply their knowledge to real-world scenarios.

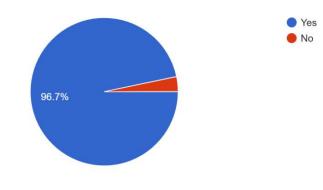
## Photos



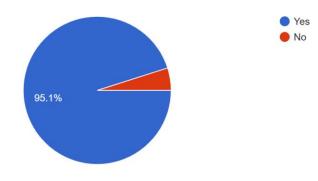
## Feedback



Did you find the session helpful 61 responses



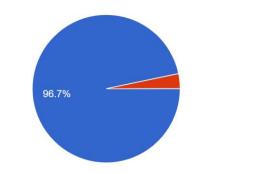
Has this session helped you to understand the session more clearly <sup>61</sup> responses



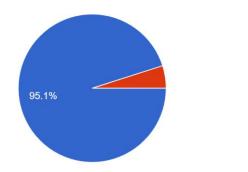
YesNo

YesNo

Time for session was appropriate for you 61 responses

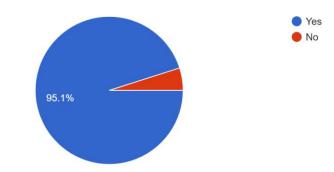


All the topics were properly explained 61 responses



# Adequate time was given for each topic

61 responses



#### **Bunts Sangha's**

# S. M. Shetty College of Science, Commerce & Management Studies, Powai Permanently Affiliated to University of Mumbai

#### **Department of Data Science**

#### **Report on Bridge Course of Mathematics and Statistics**

Date: 6th September-23 to 20th October-23

The Department of Data Science has conducted Bridge Course on Mathematics and Statistics for the learners of first year BSc Data Science from 6<sup>th</sup> September-23 to 20<sup>th</sup> October-23. The Bridge Course classes were taken by Prof. Suman Upadhyay, Prof. Namarata Dubey and Prof. Priya Giram.

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 fulfill the eligibility of Data Science course admission.

Total 12 Students in above case have participated in the course and after evaluation they have successfully completed the course.

**Outcome:** The learners found it very helpful and were very happy with the Bridge Course Classes. Many concepts of Mathematics and Statistics got clear in lectures and this will help students to understand the content mentioned in Descriptive Statistics and Pre-calculus syllabus given by University of Mumbai.

Subject Teachers

Course Co-ordinator