॥ पढमं णाणं तओ दया ॥

Shri Tilok Jain Dnyan Prasarak Mandal's

Shri Anand College

Tal: Pathardi, Dist: Ahmednagr, (MS), Pin:414102

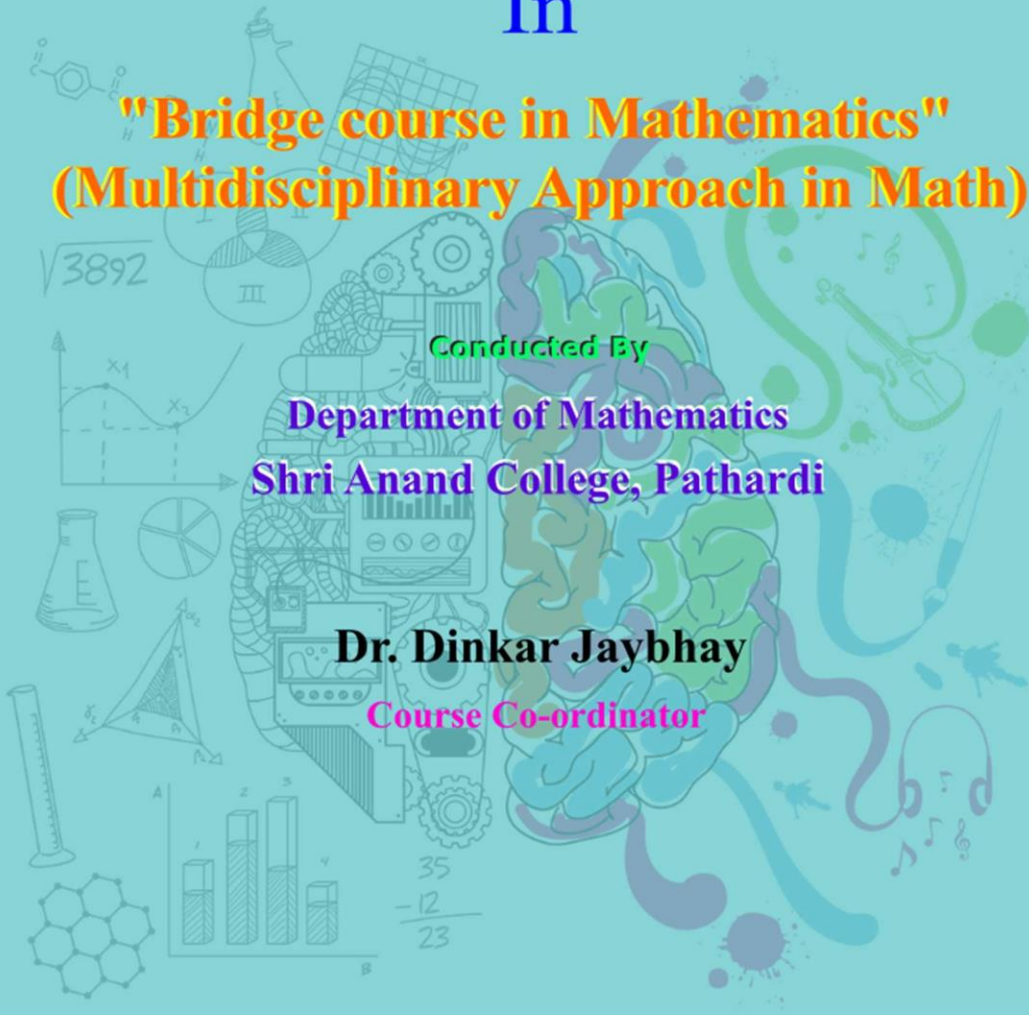**NAAC Accreditation "B" Grade**

Certificate Course

In

"Bridge course in Mathematics"
(Multidisciplinary Approach in Math)

Conducted By

Department of Mathematics
Shri Anand College, Pathardi

Dr. Dinkar Jaybhay

Course Co-ordinator

Bridge course in Mathematics
(Multidisciplinary Approach in Math)

1. Paper Code: Bridge course in Mathematics
2. Mode: Theory with practical
3. Title: Bridge course in Mathematics Type of paper: Foundation
4. Semester and Year Offered: Second Semester
5. Course Coordinator and Team: Prof. Dinkar Jaybhay Department of Mathematics

Level:

    a. Introductory
    b. Length: 3 months
    c. Estimated Effort: 3 hours/Week
    d. Subject: Mathematics
    e. Institution: Shri Anand College, Pathardi
    f. Languages: Marathi/ English
    g. Price: FREE

COURSE INTRODUCTION:

Globalization of the world economy and higher education are driving profound changes in education system. Worldwide adaptation of Outcome Based Education framework and enhanced focus on higher order learning and professional skills necessitates paradigm shift in traditional practices of various quality initiatives for strengthening. These initiatives are essential for promoting quality education in our institutions in the country so that our students passing out from these institutions may match the pace with global standards.

The well-organized curricula including basic as well as advanced concepts in the arithmetic shall inspire the students for pursuing skill of calculating addition, subtraction, multiplication etc.The topics related to the fundamentals of arithmetic including exposure to practical skills related to addition, subtraction, multiplication, ratios etc.

COURSE OBJECTIVES:

- The course helped students to understand the nuances behind numbers; inspire and teach them effective problem-solving strategies.
- To develop the ability to identify patterns or approaches leading to new insights.
- This bridge program broadened their foundational knowledge and understanding of math and how to apply them in various new situations.
- To develop useful skill for further progress in understanding mathematics.
- During this interaction of bridge course week with their classmates, the students will be equipped with the knowledge and the confidence.

- Focus on fostering a strong sense of ethical judgment and moral fortitude.
- Active learning with the help of other students.

SYLLABUS:

Sr. No	Module	No. of Lectures
1.	Set Theory, Relations and Functions	04
2.	Number system	04
3.	Matrices and Determinants	04
4.	Fractions Decimals	04
5.	Signed integers Indices Ratio Proportions	04
6,	Ratio proportions	06
7.	Trigonometry	04
8.	Graphs and equalities constructions Geometry basic	03
9.	Mensuration Bar graph and Pie chart statistics	03

Learning Outcomes of the course

- It has provided students the confidence and skills to successfully transition to college.

- It has Built Positive relationships between new students and faculty.

- It has assisted students in their personal development of life skills, ethical judgment and moral fortitude.

- It has helped students for enhancing critical thinking skills through self-exploration and class experiences.

- There can be a tendency to view bridge courses as hurdles or obstacles in the path toward getting a master's degree, causing eager graduate students to hurry through them with the minimal required effort to pass.

- This attitude is a mistake since bridge courses often provide a valuable footing for progress through the master's degree sequence.

- In some ways, students required to complete a bridge course prior to entering the master's program are getting a leg up on fellow students– the information presented in the bridge course will be fresh in their minds and recently practiced.

- Whereas students with a background deemed sufficient for immediate entry to the master's program may not have studied or used that particular knowledge since they graduated with their bachelor's degree.

- On successful completion of this course, students will be able to:

- Identify and describe various purposes for and types of competitive exam.

CERTIFICATE:

Successful participants will be awarded competency-based certificate issued by Shri Tilok Jain Dnyan Prasarak Mandal's Shri Anand College, Pathardi Dist: Ahmednagar.

Shri Tilok Jain Dnyan Prasarak Mandal's
Shri Anand College, Pathardi
Department Of Mathematics

Bridge course in Mathematics

(Multidisciplinary Approach in Math)

Time 12:00 PM–03:00 PM

Sr.No.	Name Of Student	04 June 2022	11 June 2022	18 June 2022	25 June 2022
1	Chitale Aniket Kanifnath.	Aniket	Aniket	Aniket	Aniket
2	Bhatane Deepak Ramdas.	D	D.A	D.A	A.
3	Darade Harshal Shivaji	Harshal	Harshal	A	Harshal
4	kakade dipak Ashok	DIP	DIP	A	DIP
5	Veer vaishnavi Bandu	Veer	A	Veer	Veer
6	Bhadke Dipali Sudhakar	BhadkeDS.	BhadkeDS	A	BhadkeDS.
7	Bhatane Nivedita Jagannath	Bhatane	Bhatane	Bhatane	A
8	Lonare Priyanka Sambhaji	A	Priyanka	Priyanka	Priyanka
9	Shirsat Pratiksha chandrakant	Pratiksha	A	Pratiksha	Pratiksha
10	Sable Vaishnavi Anil	Sable	Sable	A	Sable
11	pathan Shahid Ayyub	ShahidP	ShahidP	A	ShahidP.
12	sheike sanket Bababsheb	Sanket	Sanket	A	Sanket
13	vijay Ashok Bhadke	Bhadke	A	A	Bhadke
14	Pardeshi Vaibhav M.	VBP	VBP	VBP	A
15	Halke Bhagwan Ashok	Bhagwan	A	Bhagwan	Bhagwan
16	Funde vaishnavi Mahadev	Funde	Funde	A	Funde
17	Chauhan Pallavi Sanjay	Pallavi	A	A	Pallavi

Shri Tilok Jain Dnyan Prasarak Mandal's
Shri Anand College, Pathardi
Department Of Mathematics

Bridge course in Mathematics

(Multidisciplinary Approach in Math)

Time 12:00 PM–03:00 PM

Sr.No.	Name Of Student	02 July 2022	09 July 2022	16 July 2022	23 July 2022	30 July 2022
1	Chitale Aniket kanifnath	Aniket	Aniket	Aniket	A	Aniket
2	Bhatane Deepak Ramdas	D.R	D.R	D.R	A	D.R
3	Darade Harshal shivaji	Harshal	Harshal	A	Harshal	Harshal
4	kakade Dipak Ashok	DiPS	DiPS	DiPS	A -	DiPS
5	veer vaishnavi Bandu	Bvee2	Bvee2	Bvee2	Bvee2	A
6	Bhatane Nivedita J.	Nbhatane	A	Nbhatane	Nbhatane	Nbhatane
7	Bhadke Dipali sudhakar	Bhad.DS.	A	Bhad.DS.	Bhad.DS.	Bhad.DS.
8	Lonare Priyanka Sambhaji	Priyanka	Priyanka	A	Priyanka	Priyanka
9	Shirsat Pratiksha d	phirsat	phirsat	phirsat	A.	phirsat
10	Sable Vaishnavi Anil	Sable	Sable	Sable	A	Sable
11	pathan shahid Ayyub	Shid.P.	Shid.P.	Shid.P.	Shid.P.	Shid.P.
12	Shelke sanke Babashb	Shelke	A	Shelke	Shelke	Shelke
13	Bhadke vijay Ashok.	Bhadke	A	Bhadke	Bhadke	Bhadke
14	Pardeshi Vaibhav M.	Pardeshi	Pardeshi	A	Pardeshi	Pardeshi
15	Hake Bhagwan Ashok	A	Bhagwan	Bhagwan	A	Bhagwan
16	Fundle vaaishnavi m.	Fundle	A	Fundle	Fundle	Fundle
17	Chauhan Pallavi Sanjay	A	Pallavi	A	Pallavi	Pallavi

Principal
Shri Anand College
Pathardi,Dist.A.Nagar

IQAC

Co-Ordinator
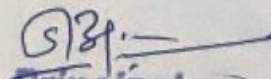IQAC
Shri Anand College,Pathardi

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Shri Anand College, Pathardi
Department Of Mathematics

Bridge course in Mathematics
(Multidisciplinary Approach in Math)

Time 12:00 PM–03:00 PM

Sr.No.	Name Of Student	06 Aug 2022	13 Aug 2022	20 Aug 2022	27 Aug 2022
1	Chitale Aniket Kanifnath	Aniket	A	Aniket	Aniket
2	Bhatane Deepak Ramdas.	Sign	Sign	Sign	Sign
3	Darade Harshal Shivaji	Harshal	Harshal	Harshal	A.
4	Kakade Dipak Ashok	DIPB	DIPB	A	DIPB
5	Bhadke Dipali Sudhakar	BhadkeDS	A	BhadkeDS	BhadkeDS
6	Vere Vaishnavi Bandu	A	Vere	Vere	Vere
7	Bhatane Nivedita Jagannath	A	Bhatane	Bhatane	A
8	Lonare Priyanka Sambhaji	Priyanka	A	Priyanka	Priyanka
9	Sable Vaishnavi Anil	Sable	Sable	Sable	Sable
10	shirsat Pratiksha C.	shirsat	shirsat	shirsat	shirsat
11	Pathan shahid Ayyub	shahid.P.	shahid.P	A	shahid P.
12	Shelke sanket Dubasaheb	A	Sanket	Sanket	Sanket
13	Bhadke vijay Ashok.	Bhadke	A	Bhadke	Bhadke
14	Pardeshi vaibhav M.	Vaibhav	A	Vaibhav	Vaibhav
15	Hake Bhagwan Ashok	Bhagwan	Bhagwan	Bhagwan	Bhagwan
16	Funde vaishnavi Mahadev	Funde	A	Funde	Funde
17	Chavhan Pallavi Sanjay.	Pallavi	A	Pallavi	Pallavi

Sign:—
Principal
Shri Anand College
Pathardi, Dist.A.Nagar

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SHRI ANAND COLLEGE
Pathardi, Dist.A.Nagar

Co-Ordinator
IQAC
Shri Anand College, Pathardi

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