

FACULTY DEVELOPMENT PROGRAMME ON

‘VEDIC MATHEMATICS’

3rd to 16th AUGUST, 2022

ORGANIZED BY: DEPARTMENT OF MATHEMATICS AND STATISTICS

Department of Mathematics and Statistics was organized Faculty Development Programme on “VEDIC MATHEMATICS” by Smt. M. Lakshmi Prasanna, Head, Department of Mathematics, KBN College, Vijayawada and Dr. P. Satyanarayana Sarma, Retd. Lecturer, Montessori College of Education, Vijayawada.

Objectives:

- The main objective is collection of methods or sutras to solve numerical computations quickly and accurately.
- To promote Indian Mathematics.
- Improve clarity on Mathematical concepts.
- Develop Analytical thinking through Vedic mathematics.
- It develops thinking capacity among faculty.

Inaugural Session:

Faculty Development Programme on Vedic Mathematics was inaugurated on 3rd August 2022 with the Introduction Class by the Resource Person about “How, Why and Where” Vedic Mathematics is used.

DAY – 1 - SESSION – 1:



In this session the Resource person introduced “Concepts of vedic Mathematics”, Balancing method and Addition tricks in vedic math.



DAY – 2 - SESSION – 2:



In this session the Resource person explained the Complements of 0 to 9, base complement method and subtraction method tricks in vedic math.



DAY – 3 - SESSION – 3:



In this session the Resource person explained the Multiplication tricks, Criss cross method for two digits and two digit multiplication tricks.



DAY – 4 - SESSION – 4:



In this session the Resource person explained the CRISS CROSS Method for three digits and multiplication of three digits.



DAY – 5 - SESSION – 5:



In this session the Resource person explained Multiply a number with 9, 99, 999 by using base complement method and multiplication tricks using base 10.



DAY – 6 - SESSION – 6:



In this session the Resource person explained Multiplication tricks using base 100, base 1000 and same digit multiplication with 9's

DAY – 7 - SESSION – 7:



In this session the Resource person explained Multiply a number with 5, 25 , 125 and two digit and three digit squares.

DAY – 8 - SESSION – 8:



In this session the Resource person explained Square roots by using square tricks and divides a number with 11.

DAY – 9 - SESSION – 9:



In this session the Resource person explained dividing a number with 5, 25, 125 and divide a number with 5, 50, 500.

Certificate Distribution



- **Outcomes :**

1. Usage of Vedic Mathematics sharpens mind.
2. It increases mental ability and intelligence.
3. It increases accuracy in solving a problem.
4. It develops Speed Calculations.

Valedictory session:

Faculty Development Programme was wrapped up with a Valedictory Session. Principal I/c Sri P.L.Ramesh, Head of the Department Smt. M.L.Prasanna, faculty members of the Department and other faculty members participated in this FDP. Finally, the programme was concluded by a vote of thanks given by Ms. P. Kalma Begum, Lecturer, Dept. of Mathematics.

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FEEDBACK ANALYSIS OF FDP ON VEDIC MATHEMATICS

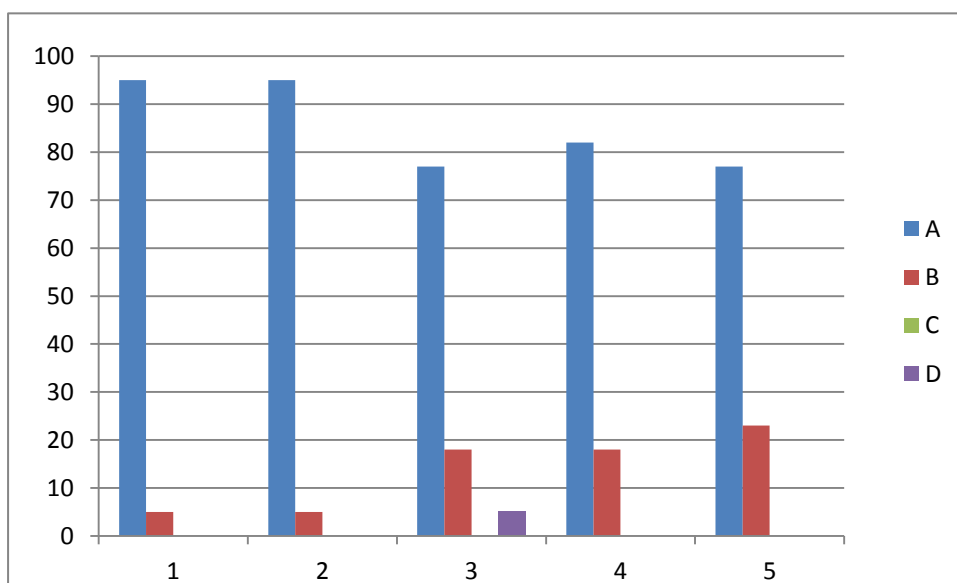
1. For Q. No. 1, about content of the FDP reveals that 86% of faculty felt it was very good and 14% felt it was good.
2. For Q. No. 2, regarding presentation skills of the resource person, 95% of faculty felt that it is very good and only 5% felt it was good.
3. For Q. No. 3, regarding communication of the presenter, 95% of faculty felt that it is very good and only 5% felt it was good.
4. For Q. No. 4 regarding interaction and usefulness of the FDP, 77% of faculty felt it was very good, 18% of faculty felt it good and only 5% felt it was satisfactory.
5. Regarding Q. No. 5 about rating of the FDP 82% of faculty felt it was very good, whereas 18% of faculty felt was good.
6. For Q. No.6 regarding reaching the expectations of faculty about FDP, 77% of faculty felt it was very good and only 23% faculty felt good.
7. For Q. No.7 regarding about time allotted to the FDP is sufficient or not, all the faculty felt that time allotted to the FDP is sufficient.

We can conclude that most of faculty felt that the FDP content, presentation of the resource person and communication of the resource person was very good.

DEPARTMENT OF MATHEMATICS & STATISTICS
FEEDBACK ANALYSIS OF FACULTY DEVELOPMENT PROGRAMME
ON VEDIC MATHEMATICS

Analysis of participants feedback on faculty development programme of Vedic mathematics. This feedback was obtained from faculty of mathematics and statistics. Size of the sample = 22. No. of questions = 08, No. of options for each questions = 4, Definition: A =very good, B = good, C = Average, D = Satisfactory.

Q.NO	A		B		C		D	
	R	%	R	%	R	%	R	%
1	19	86	3	14	0	0	0	0
2	21	95	1	5	0	0	0	0
3	21	95	1	5	0	0	0	0
4	17	77	4	18	0	0	1	5
5	18	82	4	18	0	0	0	0
6	17	77	5	23	0	0	0	0



INVITATION

K.B.N. COLLEGE (AUTONOMOUS)

Sponsored by S.K.P.V.V. Hindu High Schools' Committee
Kothapeta, Vijayawada-520 001.

A College with Potential for Excellence (CPE) All India 92nd Rank in NIRF by MHRD (2017)
Recognized as Band Performer in ARIIA by Ministry of Education, Govt. of India



INVITATION



Department of Mathematics & Statistics

Cordially invites you to the
Faculty Development Programme on
'VEDIC MATHEMATICS'



Resource Persons

Smt. M. Lakshmi Prasanna

Head, Dept. of Mathematics, KBN College

&

Dr. P. Satyanarayana Sarma

Retd. Lecturer, Montessori Mahila College of Education

CERTIFICATE



1997-2001-2015

KAKARAPARTI BHAVANARAYANA COLLEGE

NAAC 'A' GRADE CYCLE 3

(AUTONOMOUS)

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FACULTY DEVELOPMENT PROGRAMME



Certificate of Participation



This is to certify that Mr./ Ms. _____

of K.B.N. College (Autonomous) participated in the **Faculty Development Programme on Vedic Mathematics** organized by

Dept. of Mathematics & Statistics in K.B.N. College from **3rd August to 16th August, 2022.**

Convener

Principal