BACKWARD CLASS YOUTH RELIEF COMMITTEE'S

BHIWAPUR MAHAVIDYALAYA

BHIWAPUR DIST. NAGPUR- 441201 ACCREDITED WITH GRADE 'B' (CGPA-2.54) BY NAAC, BENGALURU ISO-9001:2015

AFFILIATED TO RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR E-mail: bmv_bhiwapur@yahoo.com; bgm.college1990@gmail.comWebsite: https://www.bmb.ac.in

Tel: 07106-232349

DETAILED REPORT OF THE ACTVITY 2023-2024

ACADEMIC SESSION	2023-2024
NAME OF THE ACTIVITY	Certificate Course in Vedic Mathematics
ORGANIZING INSTITUTION/COLLABORATING INSTITUTIONS	Bhiwapur Mahavidyalaya, Bhiwapur
CORE AREAS COVERED	 Introduction of Vedic Mathematics Addition Subtraction Multiplication
SCHEDULE	From 10 th February, 2024 to 6 th April, 2024
VENUE	Ground Floor, Annex Building
MODE OF ACTIVITY (ONLINE/OFFLINE (IF ONLINE, GIVE WEBLINK)	OFFLINE
ORGANIZING COMMITTEE	Committee for Running B. Voc. Degree Programmes, Community Colleges, Career Oriented Programmes, Advanced Diploma Programmes and One Student One Skill Programme (OSOSP)
CHIEF COORDINATOR	Asst. Prof. Dr. Anita Mahawadiwar
COMMITTEE MEMBERS	Asst. Prof. Dr. Ashwini Kadu

	Asst.	Prof. Dr. Ravikant Mish	ra	
	Asst.	Prof. Amit Thakare		
	Asst.	Prof. Darshana Dhamda	r	
KEYNOTE SPEAKER/RESOURCE PERSON/PERSONS (Furnish a		Prof. Dr. Ravikant Mish		
Brief Report on the Keynote Speaker's Expertise)		l, Department of Mathem vapur Mahavidyalaya, Bh		
BENEFICIARIES/TARGET GROUP	1. 2. 3.	Certificate Programme is Students looking to mathematical skills success. Professionals in final and other fields numerical abilities. Educators seeking to it Mathematics into their Mathematics enthusia exploring alternative approaches.	impro for nce, eng requiring incorpora teaching sts inter	ve their academic gineering, strong ate Vedic methods.
SYLLABUS	Unit	•	Theory	Practical
	1.	Unit-l		
	1.1	Addition-Subtraction- Combined operations - Beejank	02 hrs	02 hrs
	1.2	Multiplication Methods: Urdhwatiryabhagyam, Nikhilam, Ekanyunen, Ekadhiken, Antyayordashakepi	02 hrs	02 hrs
	1.3	Vinculum-Operations	02 hrs	02 hrs
	1.4	Awareness of 1 to 5 Vedic Sutras as per Shankaracharya	01 hr	01 hr

STUDENTS/BENEFICIARIES	29			
NUMBER OF	4.3	Contribution of Indian Mathematicians in Mathematics	01 hr	
	4.2	Cubes and Cube-roots for 6 digits number	02hrs	01 hr
	4.1	Squares and Square- roots for 6-digit number	02hrs	01 hr
	4.	Unit IV	V	
	3.3	Duplex Method	02hrs	01 hr
	3.2	Division Algorithm, Quotient and Remainder	02hrs	01 hr
	3.1	Divisibility Tests, Osculation and Reverse Osculation	02hrs	01 hr
	3.	Unit-II	I	
	2.3	Expression of GCD in terms of two numbers	02 hrs	02 hrs
	2.2	GCD and LCM	02 hrs	02 hrs
	2.1	Division Methods: Nikhilam, Paravartya Yojayet, Dhwajank	02 hrs	02 hrs
	2.	Unit-I	I	
		Book		
		Bharthikrishnan Teerthji Swamiji's		

т

DETAILED REPORT OF THE ACTIVITY

'Certificate Course in Vedic Mathematics' was conducted in our Institution under the banner of 'One Student One Skill Programme' (OSOSP) run by Committee for Running B. Voc. Degree Programmes, Community Colleges, Career Oriented Programmes, Advanced Diploma Programmes under the aegis of IQAC from 10th February, 2024 to 6th April, 2024.

This Certificate Course in Vedic Mathematics provides a unique and valuable opportunity to master ancient Mathematical techniques that are both practical and intellectually enriching. Whether for professional development, academic improvement, or personal interest, this certification opens doors to a deeper understanding of Mathematics and its applications.

For the enrolment in the course, the Notice for the students was circulated on 28th October, 2023. In all, 29 students registered their names for this course. The Theory and Practical classes were conducted by the Course Coordinator Asst. Prof. Dr. Ravikant Mishra. Asst. Prof. Dr. Ravikant Mishra disseminated information on Indian Mathematics and taught the techniques and shortcuts for complex arithmetic calculations and algebraic operations, making it a popular choice for students, Professionals and Enthusiasts looking to enhance their Mathematical Skills. As such, he also explained the benefits of the Certificate Course, which are as follows:

- 1. **Career Advancement**: Enhanced Mathematical skills can lead to better job performances and career growth.
- 2. **Academic Excellence**: Students can achieve higher scores in competitive examinations and academic assessments.
- 3. **Personal Development**: Improved cognitive abilities and problem-solving skills.

All the Students enjoyed the Practical Sessions on different topics of Vedic Mathematics. The examination was conducted on 29th April, 2024. Out of the total number of students, 27 students passed the examination and thus, successfully completed the course.

Dr. Jobi George, the Principal of our College, Associate Prof. Dr. Sunil Shinde, Asst. Prof. Dr. Vinita S. Virgandham, the IQAC Coordinator and Asst. Prof. Dr. Anita Mahawadiwar, the coordinator of 'One Student One Skill Programme' (OSOSP) appreciated the students for their active participation in this Course. Upon completion of the 'Certificate Course in Vedic Mathematics', Certificates were awarded to all the participants.

PARTICIPATING STUDENTS	S. N.	Name of Students	Class
	1.	Vaibhavi Anil Nikalje	B.A-I
	2.	Aishwarya Shivshankar Borikar	B.A-I
	3.	AmanVikas Shambharkar	B.Sc-I
	4.	Ankita Bhojraj Deshmukh	B.ComI
	5.	Awantika Ramuji Paturkar	B.ComI
	6.	Sakshi Prabhuji Dadmal	B.AI
	7.	Daraksha Shakil Baig	B.ScI
	8.	Deneshwari Vilas Lanjewar	B.ScI
	9.	Karina Vitthal Kanmule	B.ComIII
	10.	Lokesh Kamalakar Daware	B.ComI
	11.	Namoshree Sushil Chaudhari	B.ScIII
	12.	Nilesh Sanjay Uke	B.ComI
	13.	Sakshi Rajendra Pimpalkar	B.ScI
	14.	Praful Tarachand Bhajbhuje	B.ComI
	15.	Pranali Vilas Talware	B.ComI
	16.	Saroj Sushil Chaudhari	B.ScI

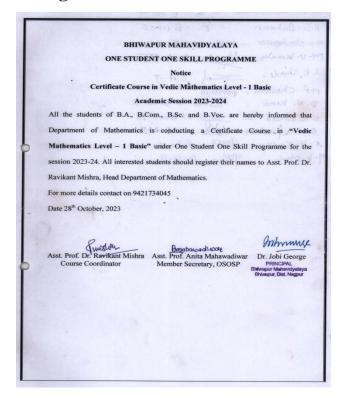
	17.	Pranita Prakash Bhasharkar	B.AI
	18.	Prerna Ajay Kawale	B.ComI
	19.	Ritesh Sanjay Ukey	B.ComI
	20.	Rohit Jagatram Chaudhari	B.ComI
	21.	Samiksha Suresh Rohankar	B.AI
	22.	Sakshi Kishor Samrutwar	B. ScI
	23.	Shital Bhaurao Bhande	B.ComIII
	24.	Smital Mukunda Munghate	B.ComI
	25.	Saurabh Govinda Mangar	B.ScI
	26.	Umesh Satyadev Talmale	B.ComI
	27.	Vrushali Dipak Mohod	B.ComIII
	28.	Shushma Bandu Bhoyar	B.ComI
	29.	Sakshi Bhagwat Titarmare	B.ScI
PROGRAMME OBJECTIVES	Certif	icate in Vedic Mathematics	aims to:
	2. 3.	Provide a comprehensive of the principles of Vedic Mathematics in ancient India.	Inthematics. k calculation Mathematics abilities and putations. and cultural elopment of

PROBLEMS FACED, IF ANY	Duration and Intensity: The Course is quite
	short, which can be challenging for those who
	need more time to grasp the concepts.
	Math Phobia: Some students may still
	experience fear or apprehension when dealing
	with Mathematical problems.
	Scheduling Conflicts: It was challenging for
	some students to participate because of their
	timetable conflicts with other classes,
	examinations and other obligations.
IMPACT/OUTCOME ACHIEVED	Upon completion of the Certificate Course,
	learners were able to:
	 Perform rapid calculations using Vedic Mathematics techniques. Apply Vedic methods to solve algebraic equations and geometric problems. Develop improved numerical fluency and confidence in handling Mathematical tasks. Understand the historical importance and evolution of Vedic Mathematics.
ANALYSIS REPORT OF THE FEEDBACK OBTAINED FROM STUDENTS/ BENEFICIARIES/ ACADEMIC PEERS ETC.	Feedback was collected from the participants and majority of them appreciated the Institution's efforts and expressed strong desire to have more such initiatives in the future.

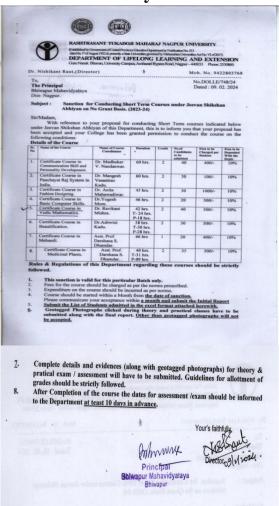
Bhiwapur Mahavidyalaya, Bhiwapu One Student One Skill Programme Organized Certificate Course in "Vedic Mathematics" Name of Student: - Danaksha shakil Baig Name of the college: - Bhiwa pus Mahavidyalaya Class: - B. Sc-I Whatsapp No.: 9322539840 Please darken one circle for each question 1. Please state your overall rate for the course. Poor O O O O Excellent 2. How clearly did your instructor communicate with you & others? Poor O O O O Excellent 3. Please state your rate for the interactivity level of the course. Poor O O O O • Excellent 4. How well prepared is the instructor? Poor O O O O Excellent 5. The syllabus and deliverables were clearly explained at the beginning of the course. Poor O O O O Excellent Suggestion if any: Asaig Signature of Prodicipants

GEOTAG PHOTO GALLERY WITH CAPTIONS (Only GEOTAG photos covering the entire gamut/span of the activity will be accepted)

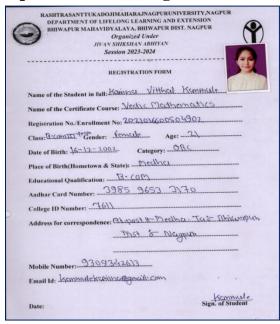
GALLERY Notice was circulated for the students for general enrolling their names in the Course



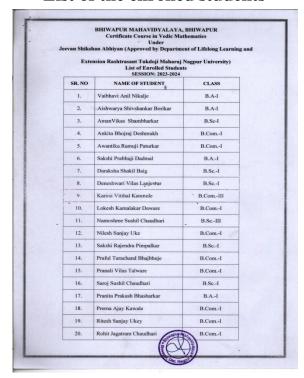
Sanction Letter from Rashtrasant Tukadoji Maharaj Nagpur University for conducting Short Term Certificate Courses under Jeevan Shikshan Abhiyan



Specimen of the Registration Form



List of the enrolled students



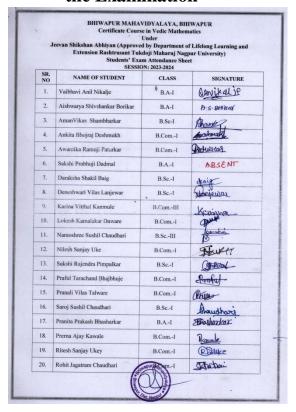


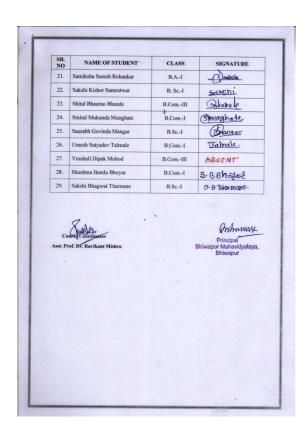
Specimen of the Question Paper

Jeevan Shikshi	n Abl	VAPUR MAHAVIDVALAYA, BHIWAPUR ertificate Course in Vedic Mathematics Under Liyan (Approved by Department of Lifelong Leari Lashtrasant Tukdoji Maharaj Nagpur University) SESSION: 2023-2024	ning and
Name of Students: _		*	-
Class:		Max Marks: 60 Time	: 1 Hour.
Solve the following	questi	ons	
1. 32 × 38	-	?	02
		a) 465 b) 456 c)356 d)365	
2. 57 × 53	=	?	02
		a) 3021 b) 3001 c)3020 d)3022	
3. 586 × 999	=	?	02
		a) 584414 b) 584441 c) 445812 d)30224	14
4. 7653 × 9999	=	?	02
		a)30211245 b) 76347522 c)522765214 d	76522347
5. 946 × 111	=	?	02
		a)302115 b) 105006 c)302006 d)302215	
6. 4321 × 1111	-	?	02
		a)4800631 b) 4863100 c)3148000 d)13	60048
7. 35 × 45		?	02
		a)1575 b) 7515 c)5571 d)1755	
8. 45 × 55	-	?	02
		a)4257 b) 7452 c)7524 d)2475	
9. What is the	compl		02
		a)6275 b) 1000 c)2675 d)7562	
10. Vedic Mathe	matics	Based onSutras	02
		a)12 b) 08 c)15 d)16	

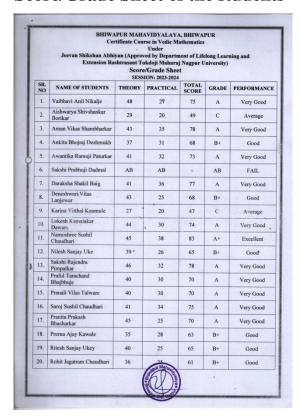
1	Show at least one step (wherever possible) to indicate Vedic method used	for calculating
	11. By Sutra Ekadhikena Purvena, add 98765, 63217, 89522, and 60543.	03
	12. Subtract 389 from 746.	03
	13. Find the square of 195 by using Ekadhikena Purvena.	03
	14. Find the Cube root 13824	03
	15. 3483 divided by 99 solve by Nikhilum Sutra	03
	16. Find the square of 148 by Duplex Method	03
	17. Convert 8796 to Vinculum Number	03
	18. Find Quotient & Remainder If you divide 1143 by 89	03
	19. Find the Osculator of 29, 33 and 119	03
	20. What is the complement of 8937425?	03
	21. State the Vedic sutras as per Shankaraçharya Bharthikrishnan Teerthji	Swamiji's book
		05
	22. State the Contribution of Indian.Mathematicians in Mathematics	05
Fisst.	dimon	Principal Principal apur Mahavidyalaya, Bhiwapur

Attendance Sheet of students appeared in the Examination





Score/Grade Sheet of the students



SR. NO	NAME OF STUDENT	THEORY	PRACTICAL	TOTAL	GRADE	PERFORMANC
21.	Samiksha Suresh Rohankar	46	34	80	A+	Excellent
22.	Sakshi Kishor Samrutwar	46	36	82	A+	Excellent
23.	Shital Bhaurao Bhande	37	28	65	B+	Good
24.	Smital Mukunda Munghate	41	30 *	71	A	Very Good
25.	Saurabh Govinda Mangar	42	32	74	A	Very Good
26.	Umesh Satyadev Talmale	35	32	67	B+	Good
27.	Vrushali Dipak Mohod	AB	AB		AB	FAIL
-00						
38.	Shushma Bandu Bhoyar	39	24	63	B+	Good
29.	Shushma Bandu Bhoyar Sakshi Bhagwat Titarmare Courte Correlinator Asst. Prof. Dr. Ravikant Mis	39	30	69	B+	Good Good Good Annus Jincipal — J
29.	Sakshi Bhagwat Titarmare Course Coordinator	39		69	B+	Good Good Johnway incipal dahayidyalaya
29.	Sakshi Bhagwat Titarmare Course Coordinator	39		69	B+	Good Good Johnway incipal dahayidyalaya
29.	Sakshi Bhagwat Titarmare Course Coordinator	39		69	B+	Good Good Johnway incipal dahayidyalaya
29.	Sakshi Bhagwat Titarmare Course Coordinator	39		69	B+	Good Good Johnway incipal dahayidyalaya
29.	Sakshi Bhagwat Titarmare Course Coordinator	39		69	B+	Good Good Johnway incipal dahavidyalaya
29.	Sakshi Bhagwat Titarmare Course Coordinator	39		69	B+	Good Good Johnway incipal dahavidyalaya
29.	Sakshi Bhagwat Titarmare Course Coordinator	39		69	B+	Good Good Johnway incipal dahavidyalaya
29.	Sakshi Bhagwat Titarmare Course Coordinator	39		69	B+	Good Good Johnway incipal dahavidyalaya

Asst. Prof. Dr. Ravikant Mishra conducting the classes of the "Certificate course in Vedic Mathematics"

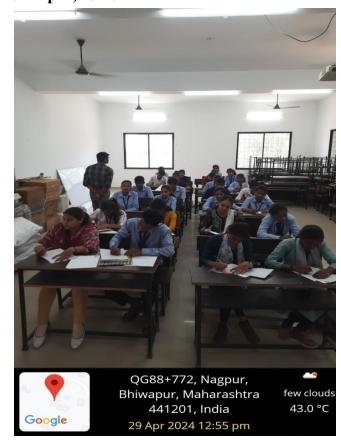




Students engaged in the Practice Session of 'Mental Calculations'

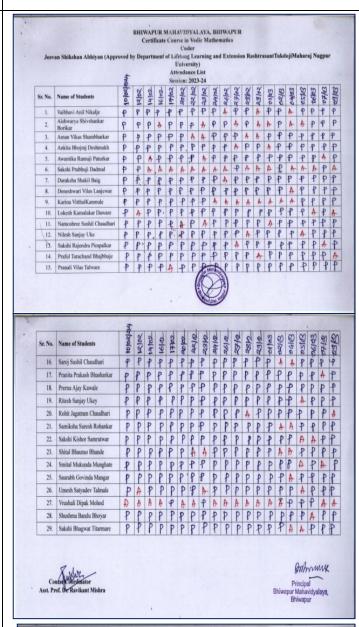


Asst. Prof. Yogesh More executing the responsibility as an Invigilator during the Examination of "Certificate Course in Vedic Mathematics" held on 29th April, 2024.



NEWS PAPER COVERAGE /MEDIA COVERAGE

SCANNED COPY OF ATTENDANCE SHEET







Principal Bhiwapur Mahavidyalaya