

EDUCATIONAL PROGRAMMES ORGANIZED BY SREE NARAYANA TRAINING COLLEGE FOR POPULARISATION OF INDIAN INTELLECTUAL TRADITIONS OF VEDIC MATHEMATICS AMONG MULTILEVEL LEARNERS OF KERALA

As part of

SPONSORED RESEARCH STUDY

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Popularisation of Indian Intellectual Traditions of Vedic Mathematics through Effective Education Programmes among Multilevel Learners of Kerala

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The Context

“It is tempting to think of them (Indians) as counter scientists..... Let us not forget that among the great accomplishments of the Indian thinkers were the invention of Zero, and of the Binary number system a thousand years before the West”

Indian intellectual traditions of Vedic Mathematics provides very easy, one line, mental and superfast methods along with magic speed cross checking system (Puri & Weinless, 1988).The complete Vedic Maths System provides multiple choice of working in all operations and we can carry out combined operations of arithmetic (Hope, 1987, 1986; Williams, 1991, 1984; Trafton, 1978; Beberman as cited in Sister Josephina, 1960). Therefore, study of complete Vedic Maths develops multi- dimensional thinking capacity of the human brains (Williams, 1991). The System systematically develops and trains the two hemispheres of the human brain. Using Vedic Mathematics, even a ten year old can calculate 999×991 or $20111 \div 975$ in less than five seconds, and that too in a method of his own choice. This may look like an exaggeration but it is the Truth. More than ‘Techniques’ this subject facilitates ‘Thinking’, which today’s educational system in India unfortunately does not allow. Many school students are afraid of Mathematics and they have no option but to learn it. Using Vedic Mathematics we can enjoy the subject and experiment & discover different methods.

Calculations using Vedic Mathematics can be done with less mental energy and in less time. But, at the same time there is full involvement. This is very important. Calculators do give answers in less time and with still less mental energy. But our involvement in the process of calculation is nil. This is highly dangerous in the long run, as we lose our ability to calculate. Vedic maths, on the contrary, helps us sharpen our calculating ability.

With the view of spreading Vedic Mathematics, the intellectual contribution of India, to the world, the Sree Narayana Training College, Nedunganda has done the popularization extension activities

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Vedic Mathematics Research Team with Advisory Committee Members




Vedic Mathematics Project Team at SNTC with the Principal






The Practice







Before starting the popularization activities, initiatives were taken to strengthen the Computational Speed and Critical Thinking Ability of prospective teachers. Student teachers of the college were given training on the knowledge and teaching of Vedic Sutras and were equipped enough to implement the programme during their teaching practice internship at various Secondary schools. Vedic Mathematics Research team of the college prepared Thirty Modules (Multimedia and Print) on Vedic Sutras with complete devotion and dedication. Certain tools as tests on Computational Speed, Critical Thinking Ability, Numerical Ability, Problem Solving Ability and Working Memory Capacity were prepared. For conducting the popularization and awareness activities, the Team approached various organizations and educational institutions including High Schools, Higher Secondary Schools, Engineering Colleges, Arts & Science Colleges, Women Self Help Groups and Skill Development Centres all over the State under Government and Private Sector. All the organizations and institutions welcomed the venture and agreed whole-heartedly to the proposal to conduct classes on the rich treasure of Indian intellectual tradition. The Team members were highly enthusiastic and motivated and that they were received by all concern with great respect and admiration. The field work had given plenty of rich experiences and immense satisfaction to the members. Being the prospective teachers, the student teachers could attain the specific objectives of the intension, since they were not only practicing the skills of their own, but teaching and helping others also to attain the skills.

The skill enhancement activities including acquisition of Vedic mathematics helped the student teachers to involve fruitfully in their placement and employment processes. In the year 2017-'18, the number of students who were qualified in Competitive examinations including NET, SET, and TET was comparatively increased. Majority of the students were shortlisted and secured employment in various organizations. It was a proud and happy achievement to the college.







STATELEVEL ACTIVITIES OERGANIZED






Sl. No	Name of Institution	Date	Number of Participants	Picture
1	GMGHHS, Palakkadu	12/08/16	104	

2	St. George Mount HS, Kaipattor, Pathananthitta	15/07/16	78	
3	Govt. Girls HSS Adoor, Pathanamthitta	15/07/16	78	
4	Govt HSS Cherunniyor, Thirivannanthapuram	25/08/16 17/01/17	125	
5	SSPB HSS Kadakkavur, Thiruvannanthapuram	12/07/16 08/07/16 15/12/16 02/02/16 16/6/16 31/8/16 7/9/16	101	
6	Shivagiri HSS Varkala, Thiruvananthapuram	06/08/16 & 16/01/17 To 20/01/17	271	

7	SNV HSS, Nedunganda, Varkala	13/10/16 10/12/16 18/01/17	196	
8	PMGHSS, Palakkadu	12/08/16	52	
9	Govt. HSS Kavalayoor, Thiruvananthapuram	16/01/17 To 20/01/17	168	
10	MRMKM HSS, Edava, Thiruvananthapuram	16/01/17 To 20/01/17	266	
11	SNVGHSS, Chirayankeezhu, Thiruvananthapuram	22/08/16 To 28/08/16	208	
12	St. Joseph HSS, Anchuthengu, Thiruvananthapuram	19/01/17 To 20/01/17	70	

13	SNVGHSS, Paravur, Kollam	16/01/17 To 20/01/17	258	
14	GHSS, Alamkode, Thiruvanthapuram	16/01/17 To 20/01/17	78	
15	Kappil Govt HSS, Thiruvanathapuram	18/01/17	72	
16	Govt VHSS, Karthika puram, Kannur	22/04/16	133	
17	Dreams Mobiles, Varkala, Thiruvanathapuram	08/07/16	30	
18	Jagans Communications, Varkala, Thiruvanathapuram	08/06/16	64	






19	Upasana College, Njakkad, Varkala	07/07/16 20/10/16 04/09/16 03/08/16	40	
20	S.N.T.C. Nedunganda, Thiruvananthapuram	07/05/1503 /06/16 04/12/16 To 08/12/16	290	
21	Blind School, Varkala	01/12/16	41	
22	Educare Academy, Paravur, Kollam	23/12/16	82	
23	Govt UPS, Paravur, Kollam	30/11/16	38	
24	Dzire Center , Varkala, Thiruvananthapuram	24/07/16 28/06/16 29/06/16 30/07/16	48	

25	Kadakkavur Grama Panchayath, Kadakkavur, Thiruvananthapuram	12/05/16 23/7/16	24	
26	Govt GSS, Kudavoorkonam, Thiruvananthapuram	09/06/16	35	
27	Govt.Model HSS,Attingal Thiruvananthapuram	21/6/16 29/6/16 15/7/16 15/9/16 21/9/16	99	
28	Govt.Town UPS,Attingal Thiruvananthapuram	16/7/16 20/7/16	38	
29	Govt.Girl HSS,Attingal, Thiruvananthapuram	21/7/16	68	

30	Ayalkkuttam Group, Kadakkavur, Thiruvananthapuram	29/7/16	26	
31	Thozhilurappu Group, Kadakkavur Thiruvananthapuram	13/8/16	28	
32	Childran, Kadakkavur Grama panchayat, Thiruvananthapuram	27/7/16	27	
33	S.N.College, Sivagiri, Varkala, Thiruvananthapuram	19/01/16	271	
34	Department of Education, University of Kerala	28/01/16 To 05/02/16	47	

35	Chithira College,Mullikkadu Alappuzha	17/9/16 18/9/16	143	
36	Brilliance, Kottayam	28/5/16 11/05/16 12/6/10 24/7/16	248	
37	Brilliance, Thodupuzha, Idukki	17/04/16 30/04/16 22/05/16 26/06/16	130	
38	Govt. VHSS ,Njakkadu Thiruvananthapuram	16/01/17 To 20/01/17	155	
39	ACC Coaching Centre, Thripunithura, Ernakulam	14/08/16 28/08/16 16/10/16 20/11/16	104	
40	Universal Computer College, Mananthavadi, Wayanadu	27/11/16 28/11/16 26/12/16 27/12/16	78	

41	Leaners Academy, Odanavattom Kollam	15/01/17	26	
42	Nucleas Med/Eng. Coaching Center, Paravur, Kollam	01/01/17 07/01/17 08/01/17	96	
43	N.S. Hindi College, Paravur, Kollam	07/01/17 08/01/17 14/01/17	93	
44	Balavedi, Paravur, Kollam	05/11/16 06/11/16 12/11/16 13/11/16	80	
45	Pearson Learning Centre, TANDEM, Malappuram	26/04/16 27/04/16 28/04/16	336	

46.	G.H.S.S., Thekkumbhagom, Paravur, Kollam	07/02/2017	122	
47	Global Education, Kozhikode	03/05/16 To 06/05/16	170	
48	Sree Narayana Public School, Kollam	14/05/2016	504	
49	Mother India Public School, Kollam	08/01/2016	144	
50	Sree Narayana Trusts Central School, Kollam	09/02/2017	684	
51	Kudumbasree Unit, Anchuthengu, Thiruvananthapuram (Venue- S.N.T.C.)	10/12/16	304	

52	Vision Academy, Anchuthengu, Thiruvananthapuram	06/08/2016	53	
53	Vikas College, Parippally, Thiruvananthapuram	22/01/17	58	
54	Sree Buddha College of Engineering, Elavumthitta, Pathanamthitta	09/03/2016	178	
55	UGC Human Resource Centre, University of Kerala	19/08/2016 To 08/09/2016	53	