

Goa Samagra Shiksha Annual Report

2019-20

(Elementary Education)

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1. EDUCATIONAL INDICATORS FOR THE STATE:

I- Educational Indicators (based on UDISE + 2019-20):

The below printed Educational Indicators are generated on the basis of U-DISE + data submitted by the state to MHRD.

U-DISE data for 2019-20:

	2019-20
Primary only schools (Govt.+Aided)	800
Upper Primary schools/sections (Govt.+Aided)	439
Secondary (Govt.+Aided)	4
Higher Secondary (Govt.+Aided)	94
Total Primary Enrolment (In lakh)	1.24
Total Upper Primary Enrolment (In lakh)	0.72
Total Elementary Enrolment (In lakh)	1.96
Total Enrolment Secondary (In Lakh)	0.49
Total Enrolment Hi. Secondary (In Lakh)	0.37
GER Primary	99.51
GER Upper Primary	92.3
GER Secondary	90.04
GER Higher Secondary	68.92
NER Primary	91.53
NER Upper Primary	77.99
NER Secondary	65.67
NER Higher Secondary	42.41
Teachers in Govt. Schools (Class I to XII)	3187
Out of School Children	187

The above table shows a decline in number of primary school from 805 to 800, and at upper primary level it is increased by 1 i.e. from 438 to 439 in the year 2019-20 .The reason is that some schools are closed in primary

Enrolment Trends:

(Enrolment in lakh)

All Management								
Year	Primary	% Increase /decrease	Upper Primary	% Increase /decrease	Secondary	% Increase /decrease	Hr. secondary	% Increase /decrease
2019-20	124383	0.40	71995	0.05	48621	0.92	37219	-2.46

Govt + Aided								
Year	Primary	% Increase /decrease	Upper Primary	% Increase /decrease	Secondary	% Increase /decrease	Hr. secondary	% Increase /decrease
2019-20	97243	0.49	67931	-0.15	46462	0.79	35968	-2.51

The above table shows the percentage of Increase/decrease in enrolment in All Management & government & aided schools at all the level.

Total Enrolment (I-XII)

Year	General	SC	ST	OBC	Muslim
2019-20	223202	4152	24710	30154	33464

Class-wise number of Enrolment: Govt. + Aided Schools

Year	Classes											
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2019-20	18601	19237	18652	18080	22673	22740	22534	22657	26678	19784	18671	17297

The above table shows the class wise i.e. I to XII enrolment of Govt & Aided Schools.

Class-wise number of Enrolment: All Schools

Year	Classes											
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2019-20	25045	25718	25107	24198	24315	24212	23918	23865	27815	20806	19319	17900

Class-wise percentage of Enrolment: All Schools

Year	Classes											
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2019-20	8.87	9.11	8.90	8.57	8.62	8.58	8.48	8.46	9.86	7.37	6.85	6.34

Percentage enrolment and population by social category

	% population share (Census 2011)	% enrolment share 2019-20	% Girls 2019-20
	SC	1.8	1.47
ST	10.2	8.76	49.61
Muslim	8.3	11.86	48.78

*Muslim Census-2001

Table above presents the share of SC, ST and Muslim children in enrolment compared to their share in population as per Census 2011.

Percentage girls to total enrolment and GPI in enrolment

Indicator	Level	2019-20
% Girls to total enrolment	Primary	48.37
	Upper Primary	48.09
	Elementary	48.26
	Secondary	47.35
	Higher Secondary	51.05
Gender Parity Index(GPI)	Primary	0.94
	Upper Primary	0.93
	Elementary	0.93
	Secondary	0.90
	Higher Secondary	1.04

Gender Parity Index Class-wise

Year	Classes											
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2019-20	0.93	0.95	0.94	0.91	0.95	0.93	0.93	0.92	0.83	1.00	1.02	1.07

Transition Rate

Year	Primary to UP			UP to Secondary			Sec. to HS		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
2019-20	101.16	100.34	100.77	116.68	108.70	112.82	96.26	96.99	96.64

The transition rate represents percentage of children moving from terminal grade of primary stage to first grade of upper primary stage. The overall transition rate in the state is more than 90%, which means 90% children of previous year grade V enrolment are admitted in grade VI, VI to VIII & Xth to XIth this year. This is a healthy percentage.

No. of Teachers- 2019-20

Classes Taught	Government	Aided	Unaided
Primary Only	1704	1531	1100
Upper Primary Only	419	1337	121
Primary & Upper Primary	16	32	125
Secondary Only	444	2202	183
Hr. Secondary Only	222	1790	75
Upper Primary and Secondary	353	1561	124
Secondary & Hr Secondary	29	0	30
Total	3187	8453	1758

No. of School without infrastructure facilities (Govt. Schools)								
Year	Total School	Girls toilet	Boys toilet	Drinking Water	Ramp	Boundary wall/Fencing	Play Ground	Library
2019-20	826	0	0	0	129	157	535	243

The state has schools with 100% basic facility like drinking water, separate toilets for boys and girls. However, the RTE Act clearly spells out certain facilities to be available in all the schools.

2. ELEMENTARY EDUCATION
2.1 ANNUAL REPORT OF SSA INTERVENTIONS CARRIED OUT IN THE YEAR
2019-20 UNDER OVERALL SAMAGRA SHIKSHA SCHEME
(as per SSA framework)

2.1.1 : GENERAL INFORMATION

INTRODUCTION:

The academic year 2018-19 was a special year for GSSA as it sailed into its 13th year of institutional voyage which was to be the final lap of its independent journey until then, under that iconic name, for that year was deemed to be the transition phase for SSA and RMSA to merge into a single national scheme for integrated education titled SAMAGRA SHIKSHA. It was to bring into its swathe all the 4 stages of school education from the pre-primary right up to the senior secondary stage, viewing school as a continuum. The avowed aim of the new scheme was to basically retain the original internal structures of the 2 schemes of SSA and RMSA but fuse them into one common administrative window to avoid duplication of efforts as well as to facilitate speedy achievement of common objectives and goals. The only other additionality, being the incorporation of the Teacher Education (TE) component under its ambit, which hitherto was implemented directly by the State's SCERTs. Having thus been a transition year, in itself entailed a slew of changes that we at Goa SSA had to adapt to, to eventually evolve into Goa Samagra Shiksha, for which Goa SSA as the premier body amongst the two, had to initiate the pathways to effectuate the merger of the two components/bodies into one SIS(State implementing Society) namely the GOA SAMAGRA SHIKSHA, which was registered as a Society under the Societies Registration Act, 1860, on 12th March, 2019, as already reported in the earlier paragraphs.

The functioning of the SSA component of Samagra Shiksha despite the paradigm shift in its institutional existence, continued along the same robust parameters of its erstwhile performance, without any disruptions or malfunction. From the national level too, SSA was climbing new heights with many of the interventions being recast over new trajectories, especially in the sphere of Quality, where new thrust areas with fresh perspectives were propelling the mission towards fine-tuning the intervention. Over the last 4 years, teacher training based on Focused programs in Early Literacy & Numeracy, and teaching of Maths and Science has charted out a definite course for the behemoth of elementary education across the country to edge closer to the goal of Quality Education as never before. This major thrust was continued further this year through the channels of the SSA component of Samagra Shiksha.

With new wings added to the overall program, GSS took off full-steam to deliver the multi-pronged program sanctioned by the PAB (Project Approval Board) of SE&L wing of MHRD, under the SSA component, namely the Elementary School Education program. A total budget of 3129.12 lakhs was sanctioned for the state under the SSA component, under the approved Annual Work Plan & Budget 2019-20.

2.1.2 HIERARCHY STRUCTURE IN GOA SAMAGRA SHIKSHA

2.2.1 GOVERNING COUNCIL

Education Minister/ Chief Secretary, Govt. of Goa	President
Secretary Education	Member
Secretary Finance	Member
Secretary PWD	Member
Secretary Planning, Statistics and Evaluation	Member
Secretary Rural Development Agency	Member
Secretary Social Welfare	Member
Secretary, Women and Child Development	Member
Director of Education	Member
State Project Director	Member Secretary

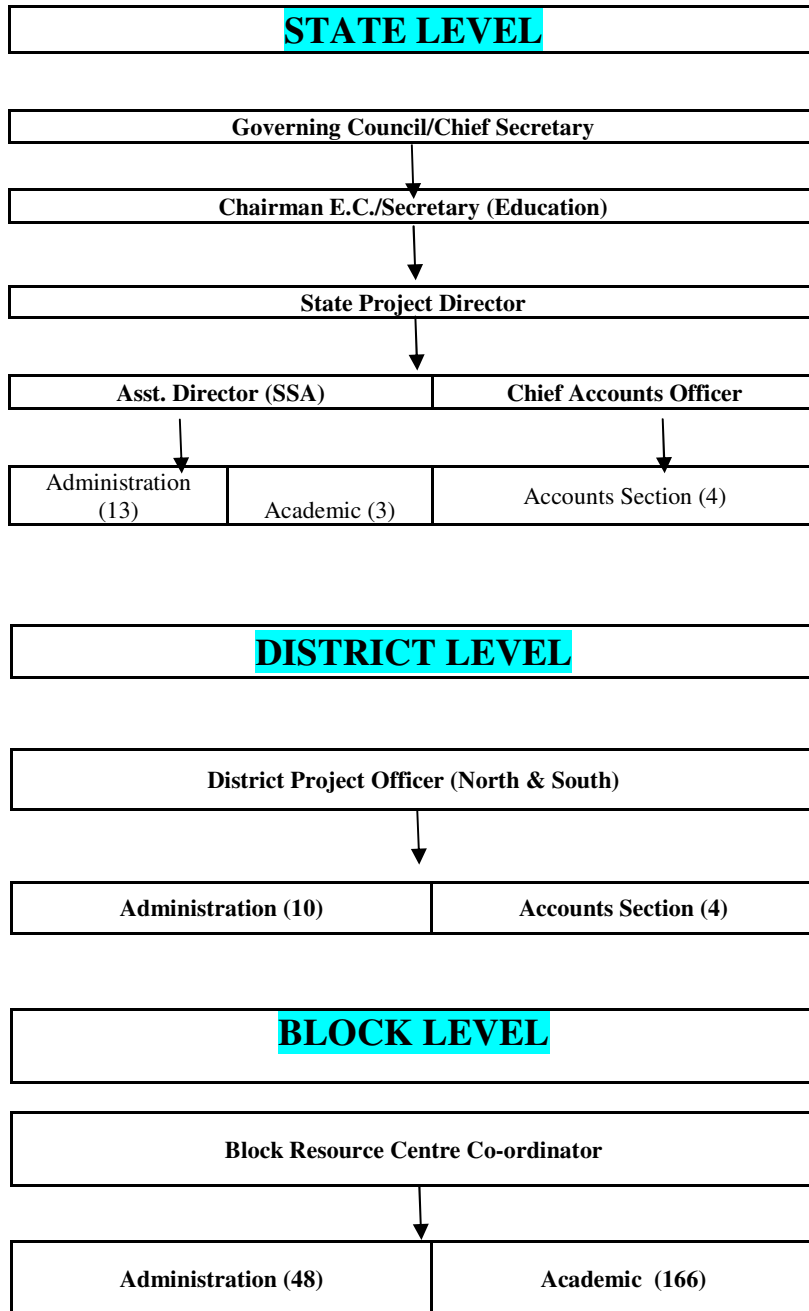
2.2.2 EXECUTIVE COMMITTEE OF GOA SAMAGRA SHIKSHA

Secretary (Education)	Chairman
Secretary Finance	Member
Secretary (Planning , Statistics & Evaluation)	Member
Secretary Social Welfare	Member
Director of Education	Member
Director SCERT	Member
Director Planning, Statistics and Evaluation	Member
Director Skill Development and Craftsman Training	Member
Chairman Goa Board of Secondary and Higher Secondary Education	Member
State Project Director, Goa Samagra Shiksha	Member- Secretary
Deputy Director of Education (Adult)	Member
Deputy Director of Education, South Education Zone	Member
Deputy Director of Education, North Educational Zone	Member
Deputy Director of Education, Central Educational Zone	Member
Deputy Director of Education (Academic)	Member
Deputy Director of Education (Planning)	Member
Principal DIET	Member
District Project Officer, North District	Member
District Project Officer, South District	Member

Deputy Director / Assistant Director, Goa Samagra Shiksha	Member
Shri Dasharath Parab, Ex- Headmaster of Tagore High School, Kothambi Pale Goa	Member
Shri J. R. Rebello, Ex- Chairman Goa Board of Secondary and Higher Secondary Education	Member
Dr. Gopal Pradhan, SCERT	Member
Dr. Sagar Mali, Asstt. Professor, Vidhyaprabodhini Collge	Member
Shri Minanath Upadhyay , Retired Ex. SPD, GSSA.	Member
Fr. William Rodrigues Ex. HM Loyla High School, Margao	Member
Shri Vilas Satarkar, HM Hedgewar School	Member
Ms. Sindhu Pradhudessai, H M GHS Malcarem	Member
Dr. Joan Rebello, Retd. Prof. Damodar College'	Member
Shri Pandurang N. Kurtikar, NGO Sai Life Care Kothambi Pale, Goa	Member
Shri Gautham Kharangate, General Manager Operations, Jai Bhuwan Group, Porvorim Goa	Member

GOA SARVA SHIKSHA ABHIYAN

2.1.3 ORGANOGRAM



2.1.4. : ADMINISTRATIVE SET-UP

The administrative set-up of Goa Samagra, continues to be the same as under SSA and comprises of the SPO office at the headquarters linked by its subsidiary district offices, in the north district and south district. Each of the district offices are further linked by subordinate Block Resource Centers, 6 in each district, comprising a total of 12 BRCs which in turn are linked to 105 clusters across the states. The below map locates the various administrative offices of the Goa Sarva Shiksha Abhiyan.



2.1.5. ORGANISATIONAL HIERARCHY:

- **At state level:** Goa Sarva Shiksha Abhiyan Society was governed by the Governing Council at the apex and was headed by the Chief Secretary of the State who is its Chairman. The Executive Council of the Society steers and monitors the schemes, interventions and activities of the Goa Samagra Shiksha. The administrative structure of the Goa SSA is given in the above figure. The State Project Office of Goa SSA is situated at Porvorim while the District Head Quarters of North Goa functions from Panaji and the District Head Quarters of South Goa functions from Margao. The State Project Office is headed by the State Project Director who is assisted by the Dy. Director of Education, Chief Accounts Officer and State Programme Coordinators dealing with different Interventions of Goa Samagra Shiksha.

- **At District level:** The District Project Offices are headed by the District Project Officers who are drawn from amongst the regular cadre of Assistant Directors from the Education Department who head the Central and South Zones of Education under the Directorate of Education.

The district offices are also involved in compiling the information furnished by the BRCs and CRCs from time to time. Collection of U-DISE data and monitoring various activities at the district level is one of the chief functions of the District level.

- **At Block level:** At the block level, the block office is headed by the BRC who is assisted normally by 5 to 6 more BRPs and other technical staff like the DEO (Data entry Operator, 2 Accountants, and an MIS Coordinator who is the custodian of the block's educational database.
- **At Cluster level:** At the grassroots/field-level there are 105 Cluster Resource Persons to hold fort and suitably linked to BRCs under whose direct control they function and duly report.

OVERALL ASSESSEMENT: The overall stability of the staff position over the plan-year played an important role in the overall good achievement rate of 79.6%. Delay in funds release due to altered pattern of fund flow from the central level to state level contributed significantly for the underperformance

2.1.6 GOA SSA ACHIEVEMENTS ,VIZ-A-VIZ GOALS OF NATIONAL MISSION

ACCESS AND ENROLMENT

- ✓ Enrolment of children in the primary schools is above 99% in the state.
- ✓ Girls' share of enrolment is 48% of the total enrolment
- ✓ Transition rate from primary to upper primary stage is almost 100%
- ✓ No-detention policy up to Std. VIII as per RTE Mandate
- ✓ Primary schools in the State available within a radius of every 1 km
- ✓ Upper Primary Schools in the State available within a radius of every 3 km
- ✓ 100% Trained Teachers
- ✓ Adequate Teacher availability
- ✓ PTR at the primary level is 1:26 and at the upper primary stage it is 1:24

A FORWARD LOOKING STATE POLICY

- Provision of Uniforms, raincoats, free textbooks to the children learning in the Government Primary and Upper Primary schools
- Provision of school based transport facility to children belonging to the SC/ST and OBC sections of the society studying in aided schools (Bal Rath Scheme) and all students of Government schools.
- Incentives, scholarships to the children belonging to the SC/ST and OBC categories as well as CWSN

SCHOOLING FACILITIES IN THE STATE:

There were 1373 primary and upper primary schools in the State during the year 2019-20. Of these, 694 Primary schools and 118 Upper Primary schools were state-run schools under the department of Education. In the Aided sector, there were 427 Primary and Upper primary schools in the State. As for schools in the Unaided sphere the number of Primary schools and Upper primary schools in the State stood at 101 and 33 respectively, leading to a total of 134 unaided schools.

ACTIVITY WISE EXPENDITURE STATEMENT OF ELEMENTARY EDUCATION FOR THE PERIOD**ENDING 31.03.2020**

Sr. No.	Expenditure by Activity	PAB Approval	Year Ended
1	Intervention for out of school children	9.35	7.50
2	Teachers Salary	385.20	90.64
3	Block Resource Centre	396.80	323.96
4	Cluster Resource Centre	377.30	274.82
5	Teachers Training	69.42	29.69
6	Free text book	453.35	370.50
7	Provision of 2 sets of Uniforms	107.84	89.22
8	Intervention for CWSN(IED)	66.38	24.09
9	Civil Works	189.20	35.61
10	School Grant	159.50	153.63
11	Library Grants	26.86	22.31
12	Rastriya Avishkar Abhiyan & ICT	52.88	33.60
13	Management and MIS	276.80	178.54
14	Quality & Innovative Activity	440.97	9.29
15	SMC Training (Media & Community)	33.89	9.90
16	Assessment at National & State Level	20.00	-
17	Support at Pre Primary Level	19.71	-
18	Sports & Physical Education	39.80	-
19	Self Defence Training	3.87	-
TOTAL		3,129.12	1,653.30

2.2 BRIEF HIGHLIGHTS OF KEY INTERVENTIONS AND INITIATIVES OF GSSA FOR 2019-20

2.2.1 QUALITY

IN-SERVICE TEACHER TRAINING (NISHTHA)

Integrated Teacher Training Programme under NISHTHA (National Initiative for School Heads' and Teachers' Holistic Advancement) is considered a transformative idea of MHRD to be completed within a time bound period of 100 days. The programme is monitored by PMO and Cabinet Secretary.

1. **Training of KRPs:**

NCERT has trained Goa's State Resource Group (SRG) consisting of 20 Key Resource Persons (KRPs) and 4 State Resource Persons (SRPs) from 21-08-2019 to 26-08-2019 at NCERT, New Delhi.

2. **Target:**

Goa has a target of training all 2285 Govt. Elementary teachers and 108 Heads of Schools; total: 2393

3. **Planning of Block-wise training for Elementary Teachers:**

Goa Samagra Shiksha had planned Block-wise training programme from 30th September 2019 to 16th December 2019.

4. **Training Package Books:**

All teacher trainees were supplied Training Package Books consisting of 17 modules and containing 420 pages. (Photograph attached)

5. **Primary Teachers Training:**

The training programme is simultaneously conducted at 6 venues all over the State and approximately 285 teachers were trained at a time from all the 12 blocks. This programme lasted for 6 weeks. Primary teachers training was completed on 02nd December 2019.

6. **Upper Primary Teachers Training:**

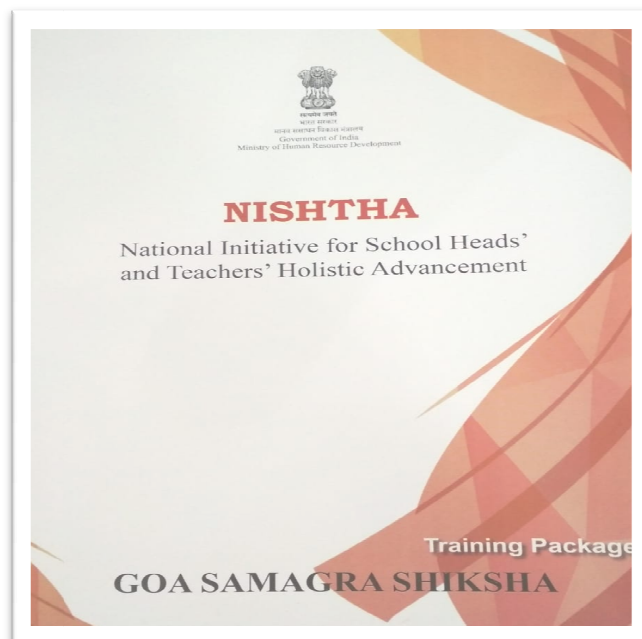
This training commenced from 27th November 2019 and completed on 16th December 2019. Approximately 200 Upper Primary teachers were trained per week, for 3 weeks to cover all 574 Upper primary teachers in the state.

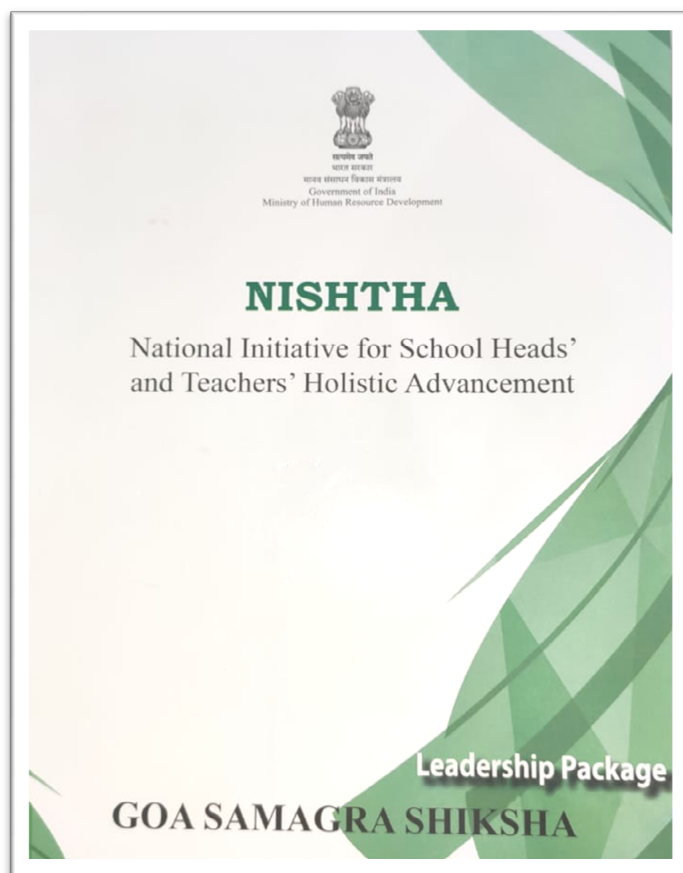
7. **Training of Heads of Govt. Schools:**

This programme was scheduled from 7th January 2020 to 13th January 2020 to cover all 108 Heads of schools; but could not be completed. The same will be conducted before end of March 2020.

8. **Participation Certificate:**

Every teacher who attended NISHTHA training is given the following printed certificate:





RUPANTAR

In order to encourage the elementary teacher for Innovations in Teaching-Learning, Goa Samagra Shiksha entered into MoU with Shri Aurobindo Society for Training and Implementation of their programme named “RUPANTAR” or ZIIEI (Zero Investment Innovation in Education Initiatives).

Under this programme the Resource Persons trained the teachers in Innovating novel teaching techniques, basically Child friendly in nature, using resources freely available in the environment. Primary and Upper teachers from Government schools and Aided schools, about 2000 in number, participated in the programme and ultimately submitted their Zero Investment Ideas in teaching.

It is noteworthy to mention that 26 Government & Aided Teachers were selected for their innovative ideas at the National Level and were felicitated at the hands of Hon’ble minister for MHRD on 2nd March, 2020 at IIT, Delhi.

TARGET & ACHIEVEMENT FOR 2019-20
(In-service Teacher Training)

Intervention – In-service Teacher Training	TARGET 2019-20			ACHIEVEMENT UPTO 31ST MARCH 2020	
	PHY	UNIT COST	FIN	PHY	FIN
Class I & II	855	0.025	21.375	2150	59.80
Class III to V	856	0.025	21.4		
Class VI to VIII	682	0.025	17.05		
Total	2393		59.82	2150	59.80

* Schedule of the Training Programme was as per NISHTHA guidelines.

Training of Resource Persons & Master Trainers (Elementary)

TARGET & ACHIEVEMENT FOR 2019-20

Training of Resource Persons & Master Trainers (Elementary)	TARGET 2019-20			ACHIEVEMENT UPTO 31ST MARCH 2020	
	PHY	UNIT COST	FIN	PHY	FIN
Printing of Integrated Teacher Training Package	2393	0.0015	3.5895	2393	2.69
KRP Training at State level (Class I to VIII	20	0	0.00001	20	0.00001
SRP Training by NIEPA at State level (Class I to VIII)	4	0	0.00001	4	0.00001
KRPs Travel/Accommodation	24	0.25	6.00	24	6.00
	2441		9.59	2441	8.69

2.2.2 INNOVATION

Activities under Rashtriya Avishkar Abhiyan (RAA) and ICT & Digital Initiatives in the State of Goa

Rashtriya Avishkar Abhiyan

Rashtriya Avishkar Abhiyan (RAA) has been envisaged keeping mind that Math and science play an important role in the development story of any nation. To make learning of Math and Science interesting and stress free, Government of India introduced 'Rashtriya Avishkar Abhiyan' at school education level. The emphasis was on connecting school based knowledge to life outside the school and making learning of Science Mathematics a joyful and meaningful activity.

It also aims to encourage those who show an inclination and talent for these subjects to be encouraged and supported to heights of academic excellence and research.

Objectives of RAA

- To enable children to become motivated and engaged in Science, Mathematics and Technology (SMT) through observation, experimentation, inference drawing, model building, rational reasoning, testability etc.
- To create curiosity, excitement and exploration among school children in Science, Mathematics and Technology.
- To create a culture of thinking, inventing, tinkering and doing to promote enquiry-based learning in Schools.
- To achieve learning levels appropriate to the class of study in Science and Mathematics.
- To encourage and nurture schools to be incubators of Innovation

Samagra Shiksha Goa

An MOU was signed between Samagra Shiksha, Department of education, Government of GOA and UNISED - Unit of Science and Educational Development on 17th Jan 2018, for tenure of 1 year. The purpose of the MoU was to support National Innovation Programme, targeting Improvement of quality of education in the state of GOA.

Through this programme, Samagra Shiksha has tried to generate curiosity, excitement and exploration among teachers and school children in subjects of Science, Mathematics and Technology. This was planned to achieve by organizing science exhibitions, exposure visits, excursion trip etc. and providing customized Science and Math kits to the students. These were step by step efforts described below-

1. Establishing ICT labs in identified schools:

The use of **ICT in education** adds value to **teaching** and learning, by enhancing the effectiveness of learning. Samagra Shiksha in collaboration with UNISED established 9 ICT labs in different Govt. schools of Goa.

2. ICT Workshop for Teachers:

State Project Director, Samagra Shiksha - Goa in association with UNISED organized a one day E-learning training programme for teachers of 9 ICT schools of Goa (approved in the year 2018-

19) at Govt Middle school MAPUSA Goa. Expert from UNISED Mr. Faisal Nazir introduced teachers to the use of ICT lab for teaching subjects like Math & Science and much more by means of interactive session. The trainees were made aware of different topics during one day programme viz;

- Various hardware & softwares installed in the ICT/CAL labs
- Networking & Sharing of devices
- Usage of Smart Board
- Calibration of interactive device
- E-Learning content or Multimedia Content
- Intellispace
- Special emphasis on video conferencing



3. Providing Science and Math Kits to Schools:

Learning materials are important because they can significantly increase student achievement by supporting student learning. These enhance learning by allowing the student to explore the knowledge independently as well as providing repetition

Keeping his into mind, Samagra Shiksha, Goa through UNISED provided math and science learning material kits to 60 different Govt. Schools in the State.

4. Teacher's Capacity Building Workshop:

UNISED, in collaboration with Samagra Siksha and NIT Goa organized 5 Days Capacity Building workshop for teachers from 23rd to 27th July 2019

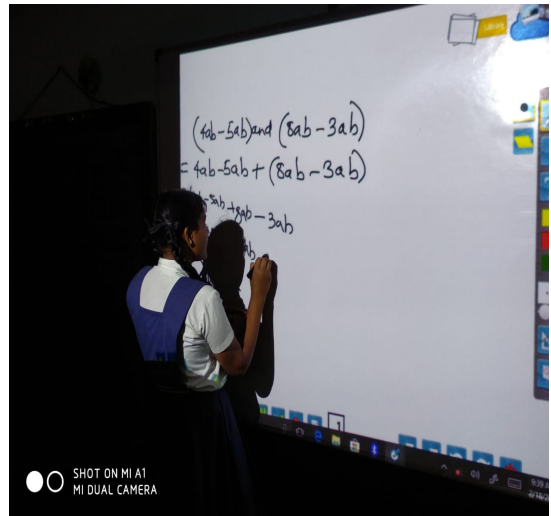
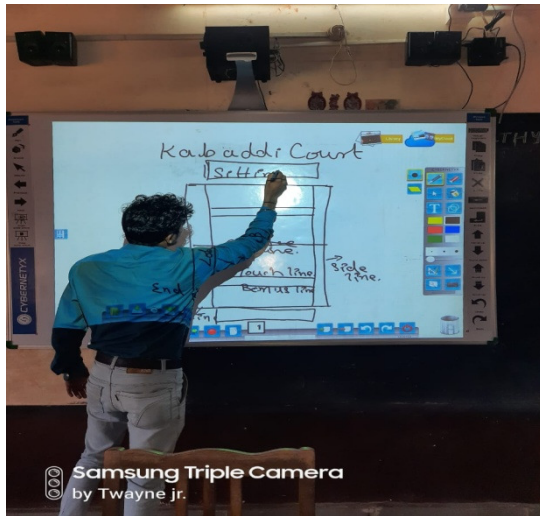


under Rashtriya Avishkar Abhiyan (RAA) program of MHRD, Government of India. This was inaugurated by Smt. Mridula Sinha, Hon'ble Governor of Goa. On this occasion, the Hon'ble Governor also e-inaugurated Information Communication Technology (ICT) labs established in government schools of Goa.

Hon'ble Governor had an interactive session with students of Government Primary Middle School, MAPUSA through the equipment's made available to the school as part of ICT lab. Governor complimented the school on getting ICT labs and shared that the students and teachers should make maximum use of ICT Labs. These Labs have been established to promote usage of ICT in government schools of Goa.



Total 120 teachers & principal, NIT Students and professors participated in the event. The teachers were trained on how to make teaching mathematics and basic science more effective and exciting for the school students. The aim is to enable children become more inclined and motivated towards these subjects. The session was very interesting many interesting one-on-one activities were performed and teachers enjoyed a lot. They had many questions that they asked.



During the programme, Smt. Nila Mohanan, Secretary Education Goa, Smt. Neetal Amonkar, State Project Director Samagra Shiksha Goa, Shr. Nagaraj Honnekeri Director education Goa, State Education department officials, Dr. Gopal Mugeraya Director NIT Goa, Dr. Saidi Reddy Parney, Nodal Officer RAA, Shr. Avaneesh Tripathi, National programme advisor RAA, Dr Sandeep Shahi National Convener NASB and Javed Ali Khan Program Director UNISED were present.



Following is the day wise briefing of the areas covered under this training:

Day-1:

Mr Anurag Pandey M.Tech. IIT Kanpur, explained following concepts on first day-

- The basic phenomenon of Light
- 'Why we have two eyes?'
- Concept of Reflection

- Concept of Refraction
- Multiple reflection using colorful papers on a funnel and plane mirrors
- He showed kaleidoscope, periscope, prism, mirrors and lenses from TLM kit.



- Static electricity using straws and balloons
- Faraday's law was been explained showing the structure of solenoid and it's working
- Demonstrating the effect of resistances in series and parallel
- Heating effect of electric current
- Electric generator
- Types of magnets
- Repulsion and attraction of poles of magnets
- Properties of magnetic field



Day-3:

On day 3 following topics were covered-

- Force
- Air and Water Pressure
- How much and how can one feel one Newton force
- Contact and Non-Contact forces, Different Concepts of Air Pressure using syringe, balloons and plane A4 sheet
- Demonstrated Air resistance through exciting experiments and explained to the teachers that how they can prove that 'air exerts pressure from all directions.
- Different concepts of water pressure were also explained using water bottles.



Day-4:

On the fourth day following concepts were demonstrated

- Difference between clinical and lab thermometer
- Conduction and convection of heat
- Thermal expansion
- Concept of Acid, Base, pH value, universal indicator, making of Oxygen and Carbon Di Oxide
- Introduced different apparatus used in chemistry lab.
- Introduced to different models used for explaining Day and night model, moon phase's model, lunar and solar eclipse model



Day-5:

Following topics were covered-

- Waves
- Why area of a circle is πr^2
- Why volume of a cylinder is $\pi r^2 h$
- Proof of Pythagoras theorem
- Proof of $(a+b)$ square, $(a+b+c)$ whole square and different algebraic equations
- How to find place value
- Theorems of circle
- Cube and Cuboids
- Negative numbers
- Human skeleton
- Eye and brain model
- Structure of Mosquito
- Honey bee model
- Silkworm life cycle

By the end of the day 5th, almost every equipment of Math & Science TLM and Science kit were explained through hands-on training.

5. Excursion trip for Students within state

Three day Exposure visit within State as part of RAA activity was conducted in science museum and planetarium from 9th of October to 12th of October, 2019. Total 300 students and 13 Teachers from different Government schools of Goa participated in the event.



6. Science exposure visit outside state

A One Day exposure visit outside the State as a part of RAA Activity was conducted on 25th September 2019 at Warship Museum Karwar, Karnataka. Total 60 Students and 5 teachers, from government primary schools of GOA participated in the event. Faisal, from UNISED was the facilitator for the same. The Exposure visit was implemented by UNISED and programmed by Samagra Shiksha Goa. The objective was to encourage a love of history among them, to develop critical thinking, empathy, and to get them excited about their subjects. The students were very curious about learning on the War Situation like , compass used by them for the directions, uniform they wore, Missiles, and Equipment's used at war. They spent a very informative time at the museum.



7. Science Exhibition:

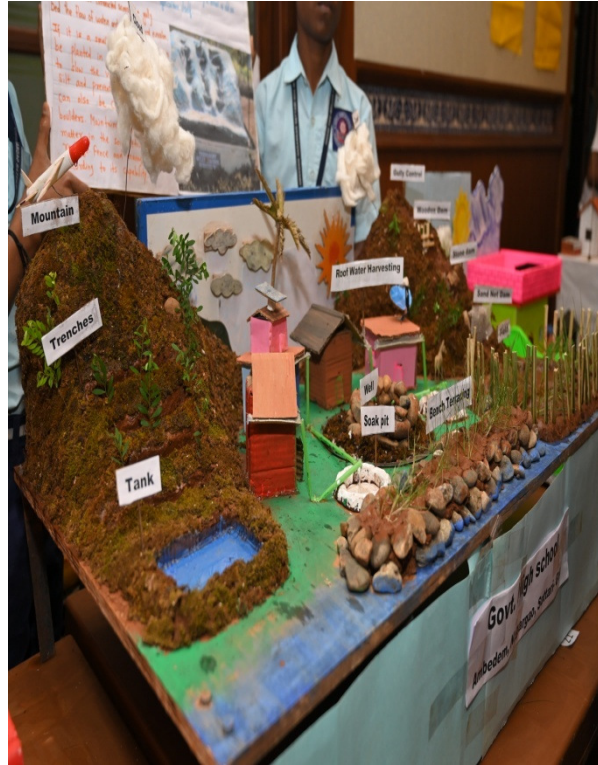
State Level Science Exhibition was conducted on 20th February, 2020 at Institute Menezes Braganza, Panaji, Goa.

In this Exhibition more than 40 Government Schools of Goa participated, selected under Rashtriya Avishkar Abhiyan. The main objectives of organizing Science exhibition was to promote interest in Science and Technology among younger generation, encouraging scientific and technological creativity among students and inculcating a sense of pride in their talent. It also aims to providing exploratory experiences, encouraging creative thinking and promoting psychomotor skills among school students through self-designed models or simple apparatus.

The models/projects were evaluated by Mr Nithin Kumar from NIT Goa and Miss Ganga From Samagra Shiksha Goa. The exhibition was also visited by Mr. Avaneesh Tripathi from MHRD who lauded the efforts of young students. Government High School Keri was declared as the Winner of State Level Science exhibition- 2020.







8. Learning Enhancement:

Remedial class was taken by facilitator from UNISED Mr. Anurag Pandey on 22nd February 2020 for learning enhancement of 85 students of 60 different schools for one day. Concepts like light, refraction, reflection, frequency of sound and structure of eye etc. were covered up in this learning enhancement session.



And with this learning enhancement session, all the activities were completed which were part of Rashtriya Avishkar Abhiyan in the academic year 2018-20.

A glimpse of media coverage is as follows:



Rashtriya Avishkar Abhiyan to promote science, tech in schools

BY A STAFF REPORTER
reporters@gomantaktimes.com

PANAJI: More than 40 government schools of Goa participated in the State-level Science exhibition organised as a part of Government of India's 'Rashtriya Avishkar Abhiyan', to make learning of Math and Science interesting and stress free at school education level. The exhibition was held at Institute Menezes Braganza in Panaji recently.

Rashtriya Avishkar Abhiyan (RAA) has been envisaged keeping in mind that math and science plays an important role in the development story of any nation. Samagra Shiksha Goa has signed an MOU with UNISED, IIT Kanpur for the im-



Students explain their model to judges at the recently held science exhibition at Institute Menezes Braganza, Panaji.

plementation of RAA activities in the state of Goa. The emphasis is on con-

necting school based knowledge to life outside the school and making learning

of Science Mathematics a joyful and meaningful activity. Through this programme,

UNISED and Samagra Shiksha Goa are trying to generate curiosity, excitement and exploration among teachers and school children in subjects of Science, Mathematics and Technology.

The participant schools were selected under Rashtriya Avishkar Abhiyan. The main objectives of organising this science exhibition is to promote interest in science and technology among younger generation, encouraging scientific and technological creativity among students and inculcating a sense of pride in their talent. It also aims to providing exploratory experiences, encouraging creative thinking and promoting psychomotor skills among school students through self-designed mod-

els or simple apparatus.

The models/projects were evaluated by Nithin Kumar from NIT Goa and Ganga from Samagra Shiksha Goa. The exhibition was also visited by Avaneesh Tripathi from MHRD who lauded the efforts of young students. Officials from UNISED, IIT Kanpur Anurag Pandey, Faisal Nazir and Arvind Sharma organised the whole event. Government High School Kerl was declared as the winner of State Level Science exhibition- 2020. The second prize was given to Government High School Honda and 3rd prize was given to Government High School Ambede Nagargao, they were awarded with mementos and cash prizes. There were 7 consolation prizes as well.

➤ Names of the RAA Schools are as under:

SR. NO.	Names of RAA schools
1	G.H.S. HANKHANE
2	G.H.S. CHANDEL
3	G.H.S. AGARWADA
4	G.H.S. TORSSE
5	GHS ALTO BETIM

6	GHS NAMOSHI GUIRIM
7	GHS AMONA
8	GHS MULGAO
9	GHS KASARPAL
10	GHS MENKUREM
11	GHS SAL
12	GHS NAVELIM
13	G.H.S. DABE
14	G.H.S. THANE
15	G.H.S. AMBEDEM NAGARGAO
16	G.H.S. MORLEM
17	G.H.S. PISSURLEM
18	G.H.S. ADOVI SATTARI
19	G.H.S. SHELOP KHURD
20	G.H.S. GULELI SATTARI
21	G.H.S. KERI
22	G.H.S. BHUIPAL SATTARI
23	G.H.S. HONDA SATTARI
24	GHS KUMBHARJUA
25	G.H.S DONA PAULA
26	G.H.S KUNDAI
27	G.H.S. JUNA BAZAR PONDA
28	G.H.S. BETODA
29	G.H.S. DHAUSHIRE TISK
30	G.H.S SADAR
31	G.H.S. DAVORLIM
32	G.H.S. AQUEM VIDYANAGAR MARGAO
33	GOVT. MULTIPURPOSE HIGHER SECONDARY
34	GOVERNMENT HIGH/ HIGHER SECONDARY SCHOOL,BAINA
35	GOVERNMENT HIGH SCHOOL, MANGOR HILL,
36	GOVERNMENT HIGH SCHOOL, SCHOOL,VADEM NAGAR
37	GOVERNMENT HIGH SCHOOL, NEW VADDEM
38	GOVERNMENT HIGH SCHOOL, VASCO MAIN
39	GOVERNMENT HIGH SCHOOL,. ZUARINAGAR
40	GOVERNMENT HIGH SCHOOL, SADA
41	G.H.S. MAINA
42	G.H.S. MALKARNEM
43	G. H.S. SHELDEM

44	G.H.S. BALLI
45	G. H. S. AMBAULIM
46	G.H.S. MORPIRLA
47	G.H.S. FATORPA
48	G.H.S PADDI
49	G.H.S. COLAMB
50	G.H.S. ZAMBAULIM
51	G.H.S. KALAY
52	G.H.S. NETORLIM, SANGUEM
53	G.H.S. VALKINI
54	G.H.S. VADDEM, KURDI
55	G.H.S. SADOLXEM CANACONA
56	G.H.S. GAONDONGARI
57	G.H.S. AGONDA
58	G. H.S. GAVAL KHOL
59	G.H.S KHOTIGAO
60	GHS DAYANANDNAGAR

➤ List of ICT Schools are as under:

1. GPMS Khorlim
2. GPMS Mapusa
3. GHS Bicholim
4. GPMS Hasapur
5. GPMS Sao Jose de Areal, Oilemol.
6. GPMS Sao Jose De Areal Main
7. GPMS Khareband – 1
8. GPMS Ambaji Fatorda
9. GPMS Housing Board Davorlim

RAA (Elementary)		TARGET 2019-20			ACHIEVEMENT UPTO 31ST MARCH 2020	
		PHY	UNIT COST	FIN	PHY	FIN
a.	School Bag with educational Desk	-	-	-	-	-
b.	Science Exhibition/Book Fair/(Math Mela)	6	1.25	7.5	6	1.25

c.	Exposure Visit outside State	85	0.02	1.7	85	0.02
d.	Learning Enhancement (Remedial Teaching)	12085	0.0021	25.3785	12085	0.0021
e.	Excursion Trip for Students within State @200/- per student	90	0.088	7.92	90	0.088
f.	Quiz Competition (State Level)	1	1.00	1	1	1.00
g.	RAA focussed Astronomy Club	-	-	-	-	-
h.	RAA focussed Aero Modelling Club	-	-	-	-	-
i.	Science Kit	17	0.27	4.59	17	0.27
j.	Maths Kit	17	0.282	4.794	17	0.282
k.	Study trip for students to higher institutions (within state)					
l.	Participation in Science and Maths Olympiads					
m.	Formation of Science / Maths Clubs					
n.	School Mentoring by Higher Education Institutes					
TOTAL		12301		52.88	12301	52.88

1. TEACHER ID CARDS

In order to ensure quality of education, it is essential that only the duly appointed / authorized teachers are present in the schools. The PAB had urged that all regular and contractual Government teachers be issued identity cards, separately for both categories, bearing the following details:

1. Name of the teacher with Photograph, Designation & U-DISE code.
2. Name of the School with U-DISE Code.
3. Full Address of the school with Village/Block/District names

It is noted that PGI indicator 2.1.6 would be amended to replace teachers' photos with ID cards for teachers. PAB approved Teacher ID Cards for all teachers for the year 2019-20. (Ref. PAB minutes at Pg. No. 36 placed at 2/C & Pg. 69 of Costing sheet placed at 4/C).

Accordingly, 2216 Government Elementary Schools Teachers are provided with Teacher ID Cards @ Rs. 50 per teacher for which an amount of Rs. 1.108 lakh was sanctioned.

Block wise and District wise data of the beneficiary teachers is given hereunder:

BLOCKS	PRIMARY	UPPER PRIMARY	TOTAL
NORTH GOA			
Bardez	166	73	239
Bicholim	166	59	225
Pernem	131	77	208
Ponda	230	33	263
Sattari	163	99	262
Tiswadi	113	23	136
NORTH GOA TOTAL	969	364	1333
SOUTH GOA			
Canacona	111	37	148
Dharbandora	87	4	91
Mormugao	91	74	165
Quepem	113	48	161
Salcete	117	82	199
Sanguem	96	23	119
SOUTH GOA TOTAL	615	268	883
GRAND TOTAL:	1584	632	2216

District wise consolidated data (Physical and financial) is as under:

DISTRICT	TOTAL	
	PHY	FIN
North Goa	1333	0.6665
South Goa	883	0.4415
TOTAL	2216	1.108

An image of the ID card is provided hereunder for reference:



3. YOUTH & ECO CLUB

The State was recommended for the year 2019-20 of Rs. 41.95 lakhs for 753 schools under Youth & Eco-Clubs for Govt. Primary & Upper Primary Schools under Innovation as shown hereunder:

Sr. No	School Category	Amount of Grant per school - Rs.	No. of Schools	Category wise Total Grant - Rs. (In lakhs)	Achievement upto 31 st March 2020	
					Phy	Fin (In Lakhs)
		Phy	Unit Cost	Fin (In Lakhs)	Phy	Fin (In Lakhs)
1.	Youth & Eco Club (Stand-alone Primary Schools)	0.15	43	6.45	43	20.975
2.	Youth & Eco Club (Elementary Schools)	0.05	710	35.5	710	
TOTAL			753	49.95		

The state has prepared ground work for implementing this innovation by providing necessary orientation to the teachers and also by providing the Guidelines for establishment the Youth & Eco-clubs in their schools. The schools have conducted some activities under the intervention. However, the fund earmarked for the programme will be transferred to the school by 31st March 2020 due to paucity of funds.

The General Guidelines provided to schools for implementation of the scheme are as under:

YOUTH AND ECO CLUB (Elementary) GENERAL GUIDELINES – 2019-20

1. Introduction:

All Government Elementary Schools (Primary and Upper Primary) are required to setup **Youth and Eco Club** through which students can participate in activities such as debates, music, arts, sports, reading, physical activities etc after school hours and during vacation. Youth and Eco Clubs in schools are to be viewed as an instrument or a forum to develop themselves as integrated personalities with life skills and self-esteem with the following major objectives:

2. Objectives:

1. To develop self confidence and resilience to counter negative emotions like stress, shame, fear etc.
2. To empower students to participate and take up meaningful environmental activities and projects.
3. To reach out to their parents and neighbourhood communities to influence and engage them to promote sound environmental behaviour.
4. To empower students to explore environmental concepts and actions beyond the confines of syllabus or curriculum.
5. To carry out activities related to water conservation and to create awareness on water conservation, especially during the period of Jal Shakti Abhiyan campaign.
6. To help in utilising the idle school infrastructure like playing fields / play grounds, sports equipment and libraries which will help the students to develop hobbies, skills and interests they might not otherwise be able to explore.

3. Financial Grants:

In order to achieve the above broad objectives, all Government Primary Schools (710) and Government Upper Primary Schools /Middle schools (43) in the state.

4. Composition of the Youth & Eco Club (Elementary):

1. Every Govt Elementary school will constitute its own Youth and Eco Club. All Teachers and students of the school will be members of the Youth and Eco Clubs (Elementary)
2. Working Committee of the Youth and Eco Club will have minimum 10 members selected/nominated as under:
 - A. Head of the School will be In-charge of the Youth & Eco Club.
 - B. One teacher will be assigned duties as a Nodal Person on rotation basis, who would stay back after school hours to facilitate the youth club activities.
 - C. One boy student and one girl student from each Class will be members of the club.
 - D. Two active parents will be nominated as members out of which one will be a female member.

5. Name of the Club:

The club will be named after a prominent personality, preferably a local environmentalist.

6. Identification of the idle school resources:

The Club will identify and make a list of the idle resource of the school which can be utilized for activities of the Club after the normal school hours and during holidays/breaks. Some of the school resources are:

- a. Playgrounds / Play fields
- b. Sports equipment
- c. Library / Reading rooms
- d. Music room and musical instruments

- e. Art rooms and art equipments
- f. School Auditorium
- g. Computer resources

7. Activities to be conducted through Youth and Eco Club:

The Working Committee will prepare a chart of activities that could be conducted in the School Auditorium/Hall for co-scholastic and recreational activities like drama, debates, art, sports and games, music etc. for individual and inter personal growth.

1. Play fields and libraries can be utilized after normal school hours and during holidays etc.
2. Club Activities should promote awareness and interest in:
 - a. Environment, biodiversity, climate and local ecology,
 - b. Nutrition, health, sanitation and hygiene.
 - c. Water conservation and creating awareness on water conservation, especially during the period of Jal Shakti Abhiyan Campaign
And also carry out activities related to the above.
3. The Club can utilise services of parents, retired Govt. servants, retired teachers etc to coach children and spent time with them.

8. Monitoring of the Youth and Eco Club:

1. Monitoring of the Youth and Eco Club will be done through various reports to be uploaded in the Portal and Field Inspection through Shagunotsav.

9. Expected Outcomes of the Youth and Eco Club Activities:

1. The Club will help in utilizing the idle school infrastructure in particular, play fields, sports equipments and libraries after school hours for productive activities which will help students pursue their own interests and develop self-confidence as they explore their talents. This would also improve enrolment as well as retention. (PGI indicator No. 7.2.5 & 1.2.7)
2. The club in the schools would create a platform for experiential learning enabling understanding concepts of science & technology, bio-medical knowledge. (PGI indicator No.1.2.5 and 1.2.7)

10. Suggested Activities:

1. Organisation of outdoor activities like:

- a. Environmental visits
- b. Street plays
- c. Rallies/processions
- d. Overnight camps

2. Organisation of Indoor activities like:

- a. Talks by an expert
- b. Skits
- c. Dances
- d. Essay writing

- e. Elocutions
- f. Letter writing,
- g. Storytelling,
- h. Preparation of wall paper,
- i. Preparation of scrap books,
- j. Preparation of collage,
- k. Model making

11. Admissibility of expenditure:

Sr. No	Items of expenditure	Max. Limit in % age	Max. Limit on grant of Rs. 5000/-	Max. Limit on grant of Rs. 15000/-
1	Refreshment to participants.	40	2000	6000
2	Activity material/ Publicity material like banners, posters, placards, slogans etc.	40	2000	6000
3	T.A. for Resource Persons	10	500	1500
4	Documentation, Report writing & Publicity	10	500	1500
	Total:		5000=00	15000=00

2.2.3 SHAALA SIDDHI:

SHAALA SIDDHI

The first cycle of the Self Evaluation by all Upper Primary, Secondary & Higher Secondary schools was completed during the year 2016-17 (530 schools out of 530 schools).

During the current year 2018-19, all 1000 Heads of Primary Schools (Govt., Govt. Aided and Unaided Schools) were trained in Self evaluation under Shaala Siddhi. The Heads completed Dashboards of their own schools and uploading of the Dashboard on the National Portal was done through the BRC offices.

Manuals on guidelines “Framework on Shaala Siddhi Implementation” were printed in English and Marathi versions and shared with all Primary Schools.

The Secondary and Higher Secondary Schools uploaded their own school Dashboards.

Currently, 1200 schools out of 1399 schools (86% schools) have successfully uploaded their dashboards on the Shaala Siddhi Portal and the uploading in respect of other schools is in progress.

External evaluation of 30% of the schools (i.e. 470 schools) will be completed by June 2020 as per set target.

1. State Resource Group (SRG) is re-constituted as under:

Sr. No	Name with Designation	Designation in SRG
1.	Shri. Gajanan P. Bhat, Ex-Director of Education	Chairman
2.	Shri. Nagaraj G. Honnekeri, Director, SCERT	Member
3.	Shri. Parag M. Nagargekar, Ex-State Project Director, GSS	Member
4.	Shri Ramkrishna Samant, Dy. Director of Education(Planning Section), Directorate of Education	Member
5.	Shri. S.K. Patnekar, Chairman, GEDC	Member
6.	Shri Shailesh Zingade, Dy. Director of Education(Academic Section), Directorate of Education	Member
7.	Shri. Bhagirath Shetye, Asstt. Director of Education, Secretary Goa Board	Member
8.	Smt. Sylvia D'souza, ADE, Goa Samagra Shiksha	Member
9.	Shri. Narendra J. Kamat, Chief State Quality Co-ordinator, GSSA	Co-ordinator

2. Shaala Siddhi Cell:

Shaala Siddhi Cell is re-setup as under to assist the Nodal Officer to monitor the programme:

Sr. No	Name of the Person	Designation
1.	Shri. Narendra J. Kamat	Chief State Quality Coordinator, GSS
2.	Shri. Tukaram Jalmi	Chief Accounts Officer, GSS
3.	Shri. Suhas Thakur Desai	State Programme Co-ordinator, Com. Mob & CWSN-GSS
4.	Shri. Naresh V. Borkar	State Programme Co-ordinator, OoSC -GSS
5.	Shri. Manohar Ankalgi	BRCC – Bardez, Goa Samagra Shiksha
6.	Shri Ashish Bagkar	MIS Co-ordinator, SGDPO – GSS, Margao
7.	Miss. Ratna Gauns	Data Entry Operator, GSS
8.	Shri Amit Salamwade	Junior Engineer, SGDPO, GSS

3. Capacity Building workshops for Computer Teachers from all schools to facilitate uploading the dashboards completed.

Financial allocation had been made for the External Evaluation during 2019-20. External Evaluation will be completed in June 2020 as the printing of the material to be provided for external evaluation is in progress.

Intervention – Shaala Siddhi	TARGET 2019-20			ACHIEVEMENT UPTO 31ST MARCH 2020	
	PHY	UNIT COST	FIN	PHY	FIN
Shaala Siddhi	500	600	300000	500	300000
Total :	500	600	300000	500	300000

Note: For External Evaluation of 500 Schools @ Rs 4500/- for 3 evaluators per school

Shaala Siddhi Status 2019-20

1. Name of State/UT : **GOA**
2. Details of SPD and Nodal Officer, Shaala Siddhi

Details	State Project Director (SPD)	Nodal Officer
Name	Shri S.V. Naik	Shri. Narendra J. Kamat
Designation	State Project Director	Chief State Quality Coordinator
Address	Goa Samgra Shiksha, Porvorim	Goa Samgra Shiksha, Porvorim
Email Id	dir-gssa.goa@nic.in	kamatnarendra@gmail.com
Contact Number		9561981264

3. Status of Capacity Building since 2018 till date:

Levels	Number of Capacity Building Conducted	Number of Participants
State	1	70
District	-	-
Block	12	1050
Cluster	-	-

4. Status of Govt. and Govt. Aided School in the State:

Level of Schooling	Govt.	Govt. Aided
Primary	700	105
Upper Primary	40	13
Secondary	78	309
Higher Secondary	6	87
Total	824	514

5. Current status of School Evaluation

	Self-Evaluation (2019-2020)	External-Evaluation (2018-2019)
Number of School Completed the Evaluation and also uploaded the dashboard	1026	0
Number of School Completed the Evaluation and have maintained it in the hard copy but not uploaded the dashboard	0	0
Number of School Completed the Evaluation and are being under process of uploading the dashboard (Partially Uploaded)	115	0
Number of School have Started but not completed the Evaluation	368	0

3.3.3. CAPACITY BUILDING WORKSHOPS FOR COMPUTER TEACHERS FROM ALL SCHOOLS TO FACILITATE UPLOADING THE DASHBOARDS WAS CONDUCTED.

NOTE:

No financial allocation had been made for the implementation of Shaala Siddhi during 2018-19. Hence, the expenditure was incurred from the SPO fund.

2.2.4 ACADEMIC SUPPORT THROUGH BRCs AND CRCs**PROVISIONS FOR BRC**

INTERVENTION – ACADEMIC SUPPORT THROUGH BRC	TARGET 2019-20			ACHIEVEMENT UPTO 31ST MARCH 2020	
	PHY	UNIT COST	FIN	PHY	FIN
Salary for 6 Resource Persons at BRC	57	3.6	206.6		145.73
Salary for 2 Resource Persons for CWSN	4	3.6	14.49		14.49
Salary for 1 MIS Coordinator in position	12	3.6	43.49		42.15
Salary for 1 Data Entry Operator in position	12	2.5	29.59		27.03
Salary for 1 Accountant-cum-support staff	24	3.6	86.99		75.06
Furniture Grant					
Contingency Grant	12	1.0	12		9.6
Meeting, TA	12	0.3	3.6		-
Total:			396.78		

PROVISIONS FOR CRC

INTERVENTION – PROVISIONS FOR CRC	TARGET 2019-20			ACHIEVEMENT UPTO 31ST MARCH 2020	
	PHY	UNIT COST	FIN	PHY	FIN
Salary for CRC Coordinator (one)	105	3.2	331.96275	105	268.71
Contingency Grant	105	0.2	25.2		
Meeting, TA	105	0.1	12.6		
Mobility Support for CRC (Strengthening of CRC)	753	0.01	7.5		
Total:			377.29		

2.2.5 DISTRIBUTION OF FREE TEXTBOOKS

Goa Samagra Shiksha provided free textbooks to all students of Government /Aided /Primary/Upper Primary Schools in the State.

TARGET & ACHIEVEMENT FOR 2019-20

INTERVENTION - FREE TEXTBOOKS	TARGET 2019-20			ACHIEVEMENT UPTO 31ST MARCH 2020	
	PHY	UNIT COST	FIN	PHY	FIN
Textbooks Class I & II	25883	0.0025	64.708	25883	370.50
Textbooks Class III to V	47639	0.0025	119.1	47639	
Textbooks Class VI to VIII	67386	0.004	269.54	67386	
TOTAL OF FREE TEXTBOOKS	140908	0.009	453.35	140908	

2.2.6 PROGRAMME FOR ENHANCING MATHEMATICAL SKILLS (CHALLENGE MATHEMATICS)

CHALLENGE MATHEMATICS WORKBOOKS

Students' Performance in Mathematics as revealed by the NAS REPORT 2017 was a matter of concern. The matter was discussed at the Executive Committee meeting of Goa SSA and it was suggested that intensive training be given to all Primary and Upper Primary teachers based on Learning Outcomes in Mathematics. It was opined that teachers need additional support in setting of NAS type question item which are basically MCQs.

The SCERT recommended "Challenge Mathematics books" by Macmillan Company Ltd, as an additional resource book to students in order to enhance the understanding of Mathematics and the mathematical skills at the Primary and Upper Primary level.

Hence, "Challenge Mathematics" books part I to IV in English, Marathi & Konkani versions have been procured from Macmillan Company Ltd and supplied to students of Govt and Government Aided Primary schools. All BRPs/CRPs are provided training in "How to make use of the Challenge Mathematics books" for clearer conceptual understanding. This activity was conducted in the year 2019-20.

<u>MARATHI EDITION</u>		
Sr. No	Title	Quantity
1.	Challenge Maths Book - 1 Marathi Ed. SCERT Goa	7706
2.	Challenge Maths Book - 2 Marathi Ed. SCERT Goa	8371
3.	Challenge Maths Book - 3 Marathi Ed. SCERT Goa	7853
4.	Challenge Maths Book - 4 Marathi Ed. SCERT Goa	7669

<u>ENGLISH EDITION</u>		
Sr. No	Title	Quantity
1.	Challenge Maths Book - 1 English Ed. SCERT Goa	8208
2.	Challenge Maths Book - 2 English Ed. SCERT Goa	8324
3.	Challenge Maths Book - 3 English Ed. SCERT Goa	8193
4.	Challenge Maths Book - 4 English Ed. SCERT Goa	8117

<u>KONKANI EDITION</u>		
Sr. No	Title	Quantity
1.	Challenge Maths Book - 1 English Ed. SCERT Goa	1934
2.	Challenge Maths Book - 2 English Ed. SCERT Goa	1838
3.	Challenge Maths Book - 3 English Ed. SCERT Goa	1824
4.	Challenge Maths Book - 4 English Ed. SCERT Goa	1663

2.2.7 PROVISION OF UNIFORMS

Free Uniforms constitute one of the child-entitlements under the RTE Act, 2009 as a means of ensuring retention at the elementary stage.

Under this intervention, State-scheme provides for 1 set of uniform to all students of class I and III of GPSs, hence State proposes coverage of the rest of focus group (all girls, SC/ST and BPL category boys of Govt. schools) students of class II; and IV to VIII for 2 sets of uniform, and 1 set of uniform for focus group students of class I and III.

State was granted an outlay of Rs. 107.84 lakhs for 2 sets of uniforms@ Rs. 600/- per student for 17974 students during the year 2019-20.

Achievement – 2019-20

Intervention	Budget Head	Sub-Heads	Targets		Achievement up to Feb 2020		
			Phy	Fin (in lakhs)	Phy	Fin (in lakhs)	
Free Uniforms	49	Uniform					
		49.a	All Girls	14907	89.442	14907	89.442
		49.b	ST Boys	2647	15.882	2647	15.882
		49.c	SC Boys	420	2.52	420	2.52
			Total of Uniform	17974	107.844	17974	107.844

2.2.8 COMPOSITE SCHOOL GRANT

In order to ensure that the school equipment remains functioning and operational Goa Samagra Shiksha Abhiyan provides Composite School Grants to Government Schools. The schools can undertake repairs/ replacement of non-functional school equipment and for incurring other recurring costs such as consumables, play material, games, sports equipment, laboratories, electricity charges, internet, water, teaching aids etc.

GUIDELINES FOR UTILIZATION OF COMPOSITE SCHOOL GRANTS 2019-20
(Up to highest Class VIII)

The Maximum admissibility of Composite School Grant for the year 2019-20 is as under:-

Schools having Enrolment 1-15	Schools having Enrol >15 <= 100	Schools having Enrol >100 <=250	Schools having Enrol >250 <=1000
Rs.12500/-	Rs.25000/-	Rs.50000/-	Rs.75000/-

The Grant may be utilized under the following Heads and as per the maximum/minimum limits given in the following table:

Sr. No	Heads	Upper/Lower Limit for utilization
1	Swachhta Action Plan	Minimum 10% of the total grant received
2	Preparation of Worksheets	Minimum 20% of the total grant received
3	School Maintenance	Maximum 35% of the total grant received

4	School Equipment	Maximum 35% of the total grant received
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1) Guidelines for utilization of funds under Swachhta Action Plan:

Minimum 10% of the Composite School Grant received by the school should mandatorily be spent on Swachhta Action Plan.

Swachhta Action Plan includes undertaking and maintenance of school facilities like toilets, safe drinking water and for improvement in Water, Sanitation and Hygiene (WASH) infrastructure, hand washing with soap, behaviour change activities, capacity building etc.

Swachhta Action Plan (SAP) should be based on credible analysis of existing situation, gap assessment and prioritization of intervention for better outcomes. Swachh Vidyalaya Puraskar (SVP) programme will form the basis for developing SAP.

2) Guidelines for utilization of funds under preparation of Worksheets:

Minimum 20% of the Composite School Grant received by the school may be spent on preparation of worksheets. Worksheets are to be prepared by individual teacher and not to be purchased from the market. As a Worksheet is directly linked to the learning process of a child, worksheets prepared commonly by group of teachers will not be considered admissible.

Worksheets prepared by individual teachers with the pictures, photos pasted on it can be xeroxed and they are admissible. Copies of such Worksheets should be attached to the bill of xerox copies for audit purpose.

3) Guidelines for utilization of funds under School Maintenance:

Maximum 35% of the Composite School Grant received by the school may be utilized on school maintenance. This grant is to be spent on repairs of walls, floor, roofs, fans, repairs/replacement of water closet (WC)/toilet equipments, water pipes, electric wiring/fittings, purchases of bulbs, tube lights, electrical switches and boards, replacement of roofing tiles, latches of doors and windows, window glasses, tube light frames, rusted and damaged barbed wire for fencing, damaged locks, maintenance and repairs of desks, benches, chairs, doors, painting of blackboards, protection of wall from rain water, cement works of minor nature for prevention of water leakages, painting of walls, and any other work needed for keeping the school in good condition. Practice material and prizes for competitions for students are admissible under this head.

4) Guidelines for utilization of funds under School Equipment:

Maximum 35% of the Composite School Grant received by the school may be spent on School Equipment. This grant is to be spent for replacement of Non-functional School Equipments. Purchases of Consumables, Sports Equipments, Play Materials, Teaching Learning Materials (TLM) and first aid items are admissible under this head. Purchases of items for Science Laboratory & requirements of Computer Education for Upper Primary Schools are admissible under this head.

The schools should ensure that budget of Composite School Grant shall be prepared in consultation with School Management Committees (SMC). The recipient school should maintain the accounts of the grants received and the amount utilized on admissible items. Original Cash Receipt and Payment Vouchers duly authenticated should be maintained in the school for audit purpose. All items purchased or the Teaching Learning Materials (TLM) prepared by the teachers using this fund shall be the property of the school. Proper entry of the items purchased should be made in the Dead Stock Register, Consumable Register or other relevant Register as the case may be. The scheme prescribes that the composite school grant must involve element of community contribution.

While utilizing the above Composite School Grants, care should be taken that tangible evidence will be available at the time of audit to confirm the expenditure incurred.

TARGET & ACHIEMENT OF 2019-20

Sr. No	Activity	Target 2019-20			Achievement upto 31 st March 2020	
		Phy	Unit Cost	Fin (In Lakhs)	Phy	Fin (In Lakhs)
1	Schools having enrollment 1-15	278	0.125	34.75	278	34.75
2	Schools having enrollment <15 upto 100	452	0.25	113	452	113
3	Schools having enrollment <100 upto 250	22	0.5	11	22	11
4	Schools having enrollment >1000	1	0.75	0.75	1	0.75
	Total:	753		159.5	753	159.5

2.2.9 LIBRARY GRANT

Library Grants have been sanctioned under Padhe Bharat Badhe Bharat (PBBB) scheme with a total outlay of Rs. 26.86 lakhs for elementary level. Goa Samagra Shiksha proposes to strengthen reading habits among the students of all ages.

The utilisation of the funds for books and libraries need to be in accordance with the guidelines provided hereunder:

GUIDELINES FOR UTILISATION OF LIBRARY GRANTS UNDER PADHE BHARAT BADHE BHARAT

1. Eligibility:

Eligibility of Government Elementary schools for Library Grants under Padhe Bharat Badhe Bharat for the year 2019-20 will be as per their categories given in the table below:

Sr. No	School Category	Amount of Grant per school - Rs.	No. of Schools	Category wise Total Grant - Rs. (In lakhs)	Achievement upto 31 st March 2020	
					Phy	Fin (In Lakhs)
			Unit Cost	Fin (In Lakhs)	Phy	Fin (In Lakhs)
1.	Composite Elementary Schools (having Classes I - VIII)	13000	42	5.46	42	11.155
2.	Upper Primary Schools (having Classes VI - VIII)	10000	1	0.1	1	
3.	Primary School (having Classes I - V)	3000	710	21.3	710	
TOTAL			753	26.86		

2. District-wise, School-category-wise allotment of Library Grants will be as shown in the following table:

District	Composite Elementary Schools (having classes I - VIII)		Upper Primary Schools (having classes VI - VIII)		Primary School (having classes I - V)		TOTAL	
	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
North Goa	25	3.25	1	0.1	435	13.05	461	16.40
South Goa	17	2.21	0	0	275	8.25	292	10.46
TOTAL	42	5.46	1	0.1	710	21.3	753	26.86

3. Constitution of Book Selection Committee:

- i. A Book Selection Committee for short listing of Age Appropriate Books from Central Institute Of Indian Languages (CIIL) at Primary & Upper Primary levels is constituted as under:

Selection Committee for Selection of Age Appropriate Library Books			
Sr. No.	Name of the Member	Designation	Role

1.	Smt. Neetal Amonkar	State Project Director – Goa Samagra Shiksha	Chairman
2.	Smt. Sylvia Fernandes	Asstt. Director of Education, Goa Samagra Shiksha	Member
3.	Shri. Narendra J. Kamat	Chief State Quality Co-ordinator – Goa Samagra Shiksha	Member Secretary
4.	Shri. Narendra Naik	ADEI, Pedne	Member
5.	Shri. Ashok Tilvi	Goa Pradesh Karyadhyaksha Sane Guruji Katha Mala (Retired Govt. Asstt. Teacher)	Member
6.	Smt. Kusum Salkar	Headmistress – Govt. Middle School, Saligao, Bardez	Member (Marathi)
7.	Smt. Maria Doris Noronha	GPT – GPMS Khorlim, Mapusa - Bardez	Member (Konkani)
8.	Smt. Ume Salma Khan	GPT – GPS Gaunsa Wada (Urdu Section) – Pedem, Mapusa, Bardez	Member (Urdu)
9.	Smt. Sumangala Mhalgi	GPT – GPS Ramdas, Panaji, Tiswadi	Member (Kannada)
10.	Smt. Anuja Naik	GPT – GPS Baina – 1, Mormugao	Member (Hindi)

ii. The Book Selection Committee under the Chairmanship of the State Project Director, Goa Samagra Shiksha will :

- Shortlist age appropriate books from the publications of Central Institute of Indian Languages (CIIL) and/or National Council Of Educational Research & Training (NCERT) /State Government Publications/SCERT Publications.
- Make/approve/suggest guidelines for the use of school libraries.
- Suggest the number of periods to be utilized for Library in the School Time-table of Government schools.
- Observe that the funds for books and libraries are utilized in accordance with the guidelines issued by Goa Samagra Shiksha.

iii. Number of members of the Selection Committee is entirely the prerogative of Goa Samagra Shiksha.

4. General Guidelines for Selection/Procurement of Library Books

- (a) Only age-appropriate books published by CIIL/NCERT/State Government can be purchased/procured from this grant.
- (b) Every school should make provision of Reading Room/Reading Corner/Reading space.
- (c) Every school should provide two periods in a week as 'Library Reading' periods in the school time table.
- (d) One teacher of the school should be given the additional responsibility of:
 - a. custody of library books
 - b. issuing of the books to the students
 - c. receiving back of books from the students
 - d. maintaining date wise record of issuing of the books and receiving of the books along with the names of the students
 - e. the teacher so given the above responsibility in turn may be relaxed from teaching for two periods in a week.
- (e) Every school should set up Readers' Club in a phased manner.

5. Organisation of the Book-exhibition for Selection of Library Books:

- 1. **Date of Exhibition:** Date of the exhibition will be finalised by Goa Samagra Shiksha as per availability of the venue / or in the Meeting Room of Goa Samagra Shiksha.

6. Procurement of books:

- 1. All the procurement of books from library grant will be done at State level. The funds meant for library grant will not be released to districts/schools.
- 2. Goa Samagra Shiksha will place direct orders to CIIL or NCERT for procurement of these books. CIIL or NCERT will make the delivery of the books in schools wise packs at the central level. GSS further deliver these books to schools through DPOs/BRCs.
- 3. Goa Samagra Shiksha may also develop its own library books including comics and illustrated books and publish them for use as library books. States can have their own folk tale series of books to promote regional cultural heritage.
- 4. All books procured for libraries must bear the year of purchase under Samagra Shiksha scheme and name of the school.
- 5. No newspaper and magazines can be purchased from the library grant.

7. Reading:

- 1. Schools should make provision of Reading Room/Reading Corner/Reading space and two periods in a week may be dedicated as reading periods in school time table.
- 2. Children should have complete freedom of choosing books for themselves and reading from a range of attractively displayed books. .

3. The reading corner is the collective responsibility of teacher and children. Children should be given responsibility of maintaining the books in the reading corner and its usage.
4. Engaging with children's literature should be an integral part of their classroom processes along with other day to day activities of reading and writing. As children develop interest and engage with literature they will be encouraged to visit the nearby library also.

8. Management:

1. Goa Samagra Shiksha will ensure delivery of library books to each school by using same channel as distribution of text books.
2. Goa Samagra Shiksha will make guidelines for use of libraries including number of periods, to be earmarked as library period in the Govt. Schools. The guidelines may also include provision for inspection of libraries by Implementing Officers so as to ensure that books procured are being issued on regular basis to students.
3. One teacher in each school may be given the additional responsibility for safe keeping of library books, issuing them and receiving the books back from students. The Library In-charge teacher may be given relaxation from teaching for two periods in a week. Further, there should not be any penalty on the Library In-charge teacher for any wear and tear of books by the students.
4. School grant may be used for repairing of damaged books procured from Library Grant.
5. District and Block Education Officers (& their inspectors), Block Resource Co-ordinators and Cluster Resource Co-ordinators should visit every school to see the availability of Library books and their utilisation.

9. Outcome:

1. The intervention of Library Grants is meant for improving the reading habits of children as emphasized in Padhe Bharat Badhe Bharat and is covered under PGI indicators 1.3.4 and 1.3.6, 1.1.2 to 1.1.9.

10. Monitoring:

1. Monitoring will be done through regular reports and other reports to be uploaded on the portal at different levels and physical inspection at the time of Shagunotsav.

2.2.10 SELF DEFENCE TRAINING FOR GIRLS

SELF DEFENCE TRAINING FOR GIRLS (Up to Class VIII)

INTERVENTION –SELF DEFENCE FOR GIRLS	TARGET 2019-20			ACHIEVEMENT UPTO 31ST MARCH 2020	
	PHY	UNIT COST	FIN	PHY	FIN
Self defence for Girls Up to class VIII	43	0.09	3.87	43	3.87
Total:	43	0.09	3.87	43	3.87

2.2.11 SPORTS AND PHYSICAL EDUCATION

SPORTS AND PHYSICAL EDUCATION (up to Highest Class VIII)

INTERVENTION –SPORTS AND PHYSICAL EDUCATION	TARGET 2019-20			ACHIEVEMENT UPTO 31ST MARCH 2020	
	PHY	UNIT COST	FIN	PHY	FIN
Sports & Physical Education (Primary Schools)	710	0.05	35.5	710	35.5
Sports & Physical Education (Upper Primary Schools)	43	0.1	4.3	43	4.3
Total:	753		39.8	753	39.8

2.2.12 CREATIVE WALL PAINTING IN GOVERNMENT SCHOOLS

Creative Wall Painting in Government Schools

- 1. Objective:** Objective of this activity is to achieve enhancement of learning of students in Early Literacy, Early Numeracy for Classes I to V; and Science and Mathematics in classes VI to VIII. Hence, Content of the painting will be Numeracy Skills, Literacy skills, EVS themes & Science and Mathematical concepts.

- 2. Criteria for selection of schools for the activity:** Two GPS from every block having classes I to IV with moderate to high enrolment of students. Two Govt. Upper Primary Schools from every block having Classes VI to VIII with moderate to high enrolment of students
- 3. No. Of schools to be covered:** 24 GPS and 24 Govt. Upper Primary Schools. Total: 48 Schools
- 4. Fund Allocation per school:** Rs. 15,000/- per School. **Total fund allocation** 7.20 lakhs
- 5. Methodology:** Methodology for carrying out the paintings will be in three steps:
 Firstly, scraping, sand papering and preparing surface smooth including necessary repairs to scratches etc.
 Secondly, application of one coat of distemper primer.
 Thirdly, Wall painting.
- 6. Methodology for carrying out painting:**
 1. Removing white or colour wash by scraping, sand papering and preparing surface smooth including necessary repairs to scratches etc complete.
 2. Applying one coat of distemper primer of approved brand and manufacture on wall surface.
 3. Wall painting (one or more coat) with plastic emulsion paint of approved brands and manufactured to give an even shade.
- 7. Content of painting:**
Category I: Numeracy, Literacy skills, EVS themes
Category II: Science and Mathematical concepts.

INTERVENTION – CREATIVE WALL PAINTING	TARGET 2019-20			ACHIEVEMENT UPTO 31ST MARCH 2020	
	PHY	UNIT COST	FIN	PHY	FIN
Creative Wall Painting in Government Schools	72	0.2	10.8	36	5.40
Total:	72	0.2	10.8	36	5.40

2.2.13. ACCESS

Initiatives for Out of School Children

State had identified 204 Out of school children in 6-14 age group for the academic year 2019-20. Out of which 17 children have been directly admitted to the neighbourhood schools. Remaining 187 out of school children were approved by PAB for providing special training for 10 months for the year 2019-20. Out of this target of 204 children, 187 Out of school children in 7-14 age group were provided special training in 21 Special training Centres across the state, out of which 13 were School based Special

training centres and 8 were non school based training centres run by NGO's in the State. 187 Out of School children were provided special training in 2019-20 out of which 165 were mainstreamed and 22 children were continued.

Special Training Centre-approved in the year 2019-20

- 21 Centres had been approved for North & South Goa District
- 8 Centres were non- School Based STCs (Run by NGOs) & 13 centres are School Based STCs.
- A Total of 187 children were provided Special training at these centres.

List of Approved NRSTCs for North Goa in the Year 2019-20

Sr. No.	Name of the NGOs/ Schools	No. of OoSC	Non School based/ School based
NORTH			
1	Lions Club of Arpora- Nagoa-Parra	22	Non - school based
2	Helping Hand Social Trust	25	Non - school based
3	Little Acorns (El Shaddai Charitable Trust)	14	Non - school based
4	Caritas - Goa Asro	5	Non - school based
5	Moving School Arambol	8	Non - school based
6	G.P.S. Muslimwada Bhom Ponda	1	School based
7	G.H.S. Dhaushire	1	School based
8	Popular English High School	8	School based
9	Immaculate Heart of Mary High School	4	School based
10	GPS Malar Corlim	6	School based
11	GPS Sao Pedro	6	School based
12	GPS Ela Old Goa	4	School based
	Total:	104	

List of Approved NRSTCs for South Goa in the Year 2019-20

SOUTH			
13	GPS Khareband No. 2	2	School based
14	Regina Martyrus High School Assolna	1	School based
15	Vidhya Vihar High School	13	School based
16	Infant Jesus Academy	11	School based
17	Al Madina Primary School	10	School based

18	GPS Cansaulim	08	School based
19	Kiran Niketan Social Centre - GMS Dabolim	12	Non School Based
20	Kiran Niketan Social Centre- GMS Curpawado	08	Non School Based
21	Kiran Nitekan Primary School, Zuarinagar	18	Non School Based
	Total	83	
	State Total:	187	

District-wise enrollment of Out of School Children taking special training in the NRSTCs for the year 2019-20

District	Name of the Block	No. Of OoSC
North	Pernem	8
	Bardez	66
	Ponda	2
	Tiswadi	28
	Total:	104
South	Salcete	3
	Mormugao	80
	Total:	83
State	Total:	187

Gender-wise Out of School Children taking special training in the NRSTCs for the year 2019-20

District	Boys	Girls	Total
North	54	50	104
South	44	39	83
State	98	89	187

Agewise Out of School Children taking special training in the NRSTCs for the year 2019-20

Age in years	Boys	Girls	Total
6-7	34	30	64
8-10	57	44	101
11-14	7	15	22
Total:	98	89	187

Category wise Out of School Children taking special training in the NRSTCs for the year 2019-20

Category	No. of OoSC 2019-20		
	Boys	Girls	Total
ST	Nil	Nil	Nil

SC	5	6	11
Muslim	25	15	40
others	68	68	136
Total	98	89	187

STRATEGYWISE COVERAGE OF OUT OF SCHOOL CHILDREN DURING 2019-20

Strategies	Approved target for 2019-20				Coverage*				Achievement in %	
	Physical			Fin in Lakhs	Physical			Fin. in Lakhs	Phy	Fin
	Fresh	cont.	Total		Fresh	cont.	Total			
Direct Enrolment	17	-	17	-	17	-	17	-	100%	100%
NRST	187	-	187	9.35	187	-	187	9.35	100%	100%
Madarsa/ Maktab	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Grand total	204	-	204	9.35	204	-	204	9.35	100%	100%

OUT OF SCHOOL CHILDREND MAINSTREAMED IN THE YEAR 2019-20

Intervention	Approved target for 2019-20			Coverage			Children mainstreamed		
	Physical			Physical			Fresh	Cont.	Total
	Fresh	Cont.	Total	Fresh	Cont.	Total			
Direct Enrolment	17	-	17	17	-	17	17	-	17
Total	17	-	17	17	-	17	17	-	17
Non Residential									
10 Months	187	-	187	187	-	187	165	-	165
Total	187		187	187		187	165	-	165
Grand total	204	-	204	204	-	204	182	-	182

2.2.14 INTERVENTIONS FOR CHILDREN WITH SPECIAL NEEDS – IED (INCLUSIVE EDUCATION)

Intervention for children with special needs- (Inclusive Education)

Goa was APPROVED a budget of Rs.66.38 lakhs for Inclusive Education in the year 2019- 20 for 1484 CWSN under the Scheme SAMAGRA SHIKSHA. In all 1479 CWSN were enrolled in inclusive schools of the state at primary & upper Primary level in Govt. and Aided school. The percentage of CWSN to the student population in elementary level is 0.75%. The category wise break up of CWSN is provided in the table.

Category and gender wise breakup of CWSN – 2019-20

S. No.	Category	No. of Identified			No. of Enrolled in School		
		B	G	T	B	G	T
1	Low Vision	177	154	331	177	154	331
2	Blindness	9	2	11	9	2	11
3	Hearing impairment	24	22	46	24	22	46
4	Speech and Language disability	55	17	72	55	17	72
5	Locomotor disability	55	61	116	55	61	116
6	Intellectual disability(MR)	45	38	83	45	38	83
7	Cerebral palsy	5	2	7	5	2	7
8	Mulitple Disabilities	44	30	74	40	29	74
9	Specific learning disabilities	460	257	717	460	257	717
10	Autism spectrum disorder	17	10	27	17	10	27
11	Leprosy(curried)						
12	Dwarfism						
13	Mental illness						
14	Muscular dystrophy						
15	Chronic neurological conditions						
16	Mulitple sclerosis						
17	Thallessmia						
18	Hemophillia						
19	Sickle cell Disease						
20	Acid attack victim						
21	Parkinson's disease						
	Total	891	593	1484	887	592	1479

The following activities were carried out for the benefit of CWSN

- Provision of recommended assistive aids and devices.
- Provisioning Physiotherapy and speech therapy for identified CWSN
- Celebrating important events like world disability day to promote the ideal of inclusive education

- Conduct of workshops for teachers.

Summary of expenditure under CWSN Activities

Activities	Phy Target	Phy. Achievement	Fin. In Laks (Approved Budget)	Expenditure in lakhs	Remarks
Sports Events	12 blocks	12 blocks	1.8	-	
Purchase/Development of instructional materials	11 CWSN	11 CWSN	0.6	-	
Therapeutic Services	30 CWSN	13 CWSN	12.0	1.05	
Braille Stationary Material (Inc. Embossed Charts, globes etc)	11	1	2.2	.60	
Providing Aids & Appliances	751 CWSN	55 CWSN	7.5	.75	
Identification and Assessment (Medical Assessment Camps)	12 blocks	12 blocks	2.8	2.8	
Assistive Devices, Equip, emts and TLM	34 Schools	-	3.4	-	
Transportation Allowance	75 CWSN	122 CWSN	7.5	4.7	
Stipend for girls	592 CWSN	592 CWSN	11.8	11.8	
In-service Training of special Educators	875 teachers	661 teacher	2.6	2.21	
Environment building programme	12 blocks	12 blocks	1.2	-	
Orientation of principals, educational administrators, parents/ guardians etc	12 blocks	12 blocks	1.2	-	
Escort allowance	75 CWSN	122 CWSN	7.5	4.7	
Home Base Education	8 CWSN	-	0.3	-	
Corrective surgeries	2 District	-	4.0	-	
Total			66.4	28.61	

A CONDUCT OF SPORTS EVENTS

The practice of conducting sports events continued this year too. The unique feature of this event is that the CWSN in the Inclusive schools are given an opportunity to compete with their general peers in the class, in those activities where the CWSN is at par with his peer. The prizes are given for participation and for winners. Those given for winners are such that they can easily be shared by both the CWSN and his/ her peer. The other type of event is conducted where individual CWSN pairs WITH THE REGULAR PEER in a group and competes with similar group - the prizes are shared by both.

THERAPEUTIC SERVICES

Both Physiotherapy as well as speech therapy was provided to 9 CWSN. The details are listed below

Sr. no	Block	No. of the CWSN	Type of Therapy
1	Tiswadi	4	Speech Therapy
2	Ponda	3	Speech therapy
3	Salcete	1	Speech Therapy
4	Quepem	1	Speech Therapy
5	Bicholim	2	Physiotherapy
6	Bardez	2	Physiotherapy
Total		13	
Total 13 CWSN were provided Physiotherapy and Speech therapy services. An amount of Rs. 1,04,900/- was released towards the Therapeutic services			

PROVIDING AIDS AND APPLIANCES

GSS organizes Medical assessment camps to identify CWSN and then the camps for providing assistive aids. This year the medical assessment camps were organized in all 12 blocks.

Sr. No	Block	No of CWSN Provided Spectacles
1	Tiswadi	7
2	Ponda	24
3	Salcete	1
4	Pernem	10
5	Bicholim	6
7	Canacona	7
Total		55
55 CWSN were provided Spectacles under Aids and Appliances. Rs.75,000/- was released towards the purchase of Aids and Appliances		

ESCORT ALLOWANCE and TRANSPORT ALLOWANCE to CWSN

Sr. no	Block	No. of CWSN	No. Escort
1	Pernem	16	16
2	Ponda	18	18
3	Quepem	14	14
4	Bicholim	8	8
5	Mormugao	11	11
6	Salcete	18	18
7	Dharbandora	15	15
8	Sanguem	12	12
9	Canacona	10	10
Total		122	122
122 CWSN were provided escort and transport facility to attend school. Rs.9,33,382/- was released towards Escort and Transport allowance.			

STIPEND FOR GIRLS

Under the new integrated scheme of Samagra shiksha the stipend is paid for girl CWSN according to which 592 girls will get the benefit of Rs. 200/- per month for 10 months.

Block	No. of Girls
Tiswadi	139
Bardez	101
Pernem	34
Ponda	37
Sattari	25
Bicholim	37
Sanguem	14
Quepem	22
Salcete	68
Canacona	20
Morgmugao	74
Dharbandora	21
Grand Total	592
592 Girls CWSN provided stipend. An amount of Rs.11.8 lakhs was released towards Stipend for girls	

IN-SERVICE TRAINING OF SPECIAL EDUCATORS.

District	No of Participants
North	440
South	221
Total	661
661 special teachers were provided training under In service training of special educators. An amount of Rs. 2,21,400/- was released towards in service training of special educator.	

2.2.15 COMMUNITY MOBILIZATION

SMC TRAINING

School Management Committees were oriented on the new features of Samagra Shiksha, that has replaced independent SSA and RMSA. Encouraging Proactive involvement of SMCs and Community in school improvement was the basic focus of the Training Programme.

SMC Training being the most effective medium of involving community, facilitates the process of developing school infrastructure & monitoring the quality of Education imparted in the school. The community is brought closer to the school, so that its active involvement in school development is possible. A community responsive to the needs of the mother land is also a responsible community and

so the programmes like Cleanliness Drive, Swachhata Pakhawada, evoked spontaneous community participation in school initiatives. Another important topic dealt in SMC Training was Road Safety. The parents are guided on reading road signs, importance of putting on helmet, seat belt etc. illustrated with demos. Officers from the RTO were the Resource Personnel for these trainings.

It is to be noted that the PAB had approved a sum of Rs. 22,59,000/- @Rs 3,000/- per school for 753 Govt. Schools.

Approved by PAB

❖ **Amount Sanctioned for SMC Training**

753 Schools @ of Rs. 3,000/- = Rs. 22,59,000/-

TARGET AND ACHIEVEMENT OF SMC TRAINING (SUMMARY)

Training of SMC	Target		Achievement	
	Phy.	Fin. (in lakhs)	Phy.	Fin. (in lakhs)
	753	Rs. 22,59,000/-	752	Rs. 22,56,000/-

MEDIA COMPONENT

Media and community mobilization activities for the year 2019-20

The PAB has approved an amount of Rs. 1,500/- for 753 schools i.e. Rs. 11,29,500/- for Media and Community Mobilization Activities.

TARGET AND ACHIEVEMENT OF MEDIA ACTIVITIES

Media and Community Mobilization Activities	Target		Achievement
	Phy.	Fin. (in lakhs)	Fin. (in lakhs)
	753 (@ Rs. 1,500/-)	Rs. 11,29,500/-	Rs. 3,76,000/-

Activities conducted under Media and Community Mobilization.

Sr. No	Activities	Target		Achievement	
		Phy.	Fin. (in Lakhs)	Phy.	Fin. (in lakhs)
1	Shikshan Prarambhotsav'	753	Rs. 3,76,500/-	752	Rs. 3,76,000/-
2	Logo Painting		Rs. 7,53,000/-		Logo of Samagra Shiksha has not been provided by MHRD hence State has not displayed Logo of Samagra Shiksha in the Schools.
TOTAL		753	Rs. 11,29,500/-	752	Rs. 3,76,000/-

- ❖ **Shikshan Prarambhotsav** :- This was a programme meant to encourage Community to enrol their children in Govt. Primary Schools. On the re-opening day of the school, the students & parents from the village who admit their children to class I in Government school were given a ceremonial welcome by the teacher and the students of that particular school. They were brought in a procession and offered flowers, later the teacher introduced the parents to the proposed activities, to be expected during the course of the year, ensuring learning outcomes, Swachha Vidhalaya Campaign etc.

2.2.16 CIVIL WORKS

Details of Civil Works Sanctioned for AWP & B 2019-2020

Under Civil Works, MHRD has sanctioned following interventions:

- i) **Toilet Repair:** - 28 units were sanctioned in 24 schools for an amount of Rs. 8.52740 lakhs @ Rs. 0.30455 lakh per unit, out of which 10 units in 9 schools were sanctioned to north district amounting Rs. 304550/- and 18 units in 15 schools were sanctioned to south district amounting Rs. 548190/-. Work of 2 units are completed and 22 units are in progress.
- ii) **Major Repair:** - 22 units were sanctioned for an amount of Rs. 73.29172 lakhs, out of which 11 units were sanctioned to north district amounting Rs. 36.64586 lakhs and 11 units were sanctioned to south district amounting Rs. 36.64586 lakhs. Work of 1 unit is completed and 21 units are not started as the same has been sanctioned as a spill over in AWP & B 2020-21. Also, the procedure for the same is completed waiting for the fund transfer to schools.
- iii) **Verandah Grills:** - 10 units were sanctioned for an amount of Rs. 17.33260 lakhs @ Rs. 1.73326 lakh per unit, out of which 5 units were sanctioned to north district amounting Rs. 866630/- and 5 units were sanctioned to south district amounting Rs. 866630/-. Work of 2 units are completed and 8 units are in progress.
- iv) **Ramp:** - 44 units were sanctioned for an amount of Rs. 26.4000 lakhs @ Rs. 0.60000 lakh per unit, out of which 15 units were sanctioned to north district amounting Rs. 9.00000/- lakhs and 29 units were sanctioned to south district amounting Rs. 17.40000/- lakhs. Work of 2 units are completed, 36 units are in progress and 6 units are not started as the same has been sanctioned as a spill over in AWP & B 2020-21. Also, the procedure for the same is completed waiting for the fund transfer to schools.

2.2.17 MANAGEMENT AND MIS

Details of Management and Monitoring Information Services (MIS) are as cited here. An amount of Rs. 276.80 Lakhs was sanctioned under this head and it was utilized to the extent of Rs. 201.27 Lakhs.

Targets and achievement under this budget head are as under:

PROJECT MANAGEMENT & MIS	Target		Achievement		(Including Elementary and Secondary)
	Phy.	Fin.	Phy.	Fin.	
MMER (STATE & DISTRICT COMPONENT)		276.80		201.27	
Sub Total		276.80		201.27	

(Secondary Education)

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3. SECONDARY EDUCATION

Structure and Administration of Secondary Education: -

Existing Institutional Arrangements for Planning & Administration of School Education & also for Secondary Education

- State Level: - Directorate of Education – 1
- Zonal Level: - Zonal Educational Offices – 3
- Taluka Level: -Asstt. District Education Inspector Offices – 12

Educational Structures in Goa

The school education in Goa is primarily organized in two sectors – Elementary (I to VIII) and Secondary (IX to X). Each of these two sectors is further sub-divided into two sub sectors where elementary education consists of primary stage (I - V), Upper Primary Stage (VI-VIII), the Secondary Stage comprises of (IX-X) and Higher Secondary stage (XI – XII).

Educational Indicators 2019-20	
Primary only schools (Govt. + Aided)	
Upper Primary schools/sections (Govt. + Aided)	
Secondary Schools (Govt. + Aided)	390
Secondary Schools (All Management)	423
Higher Secondary schools/section (Govt. + Aided)	94
Higher Secondary schools/section (All Management)	98
Total Primary Enrolment (In lakh)	
Total Upper Primary Enrolment (In lakh)	
Total Elementary Enrolment (In lakh)	
Total Enrolment Secondary (In Lakh)	0.486
Total Enrolment Hi. Secondary (In Lakh)	0.372
GER Primary	
GER Upper Primary	
GER Secondary	90.04
GER Higher Secondary	68.92
NER Primary	
NER Upper Primary	
NER Secondary	65.67
NER Higher Secondary	42.41
Teachers in Govt. Schools (Class I to XII)	2993
Out of School Children	

Enrolment Ratios:-

GER (State)

Year	Secondary			Higher Secondary		
	Boys	Girls	Total	Boys	Girls	Total
2019-20	88.27	92.09	90.04	62.82	73.08	68.92

NER (State)

Year	Secondary			Higher Secondary		
	Boys	Girls	Total	Boys	Girls	Total
2019-20	64.19	67.4	65.67	36.62	47.23	42.41

Enrolment Trends

All Management Enrolment (In Lakhs)				
Year	Secondary	% Increase /decrease	Higher secondary	% Increase /decrease
2019-20	0.486	0.92	0.372	-2.39

Govt. + Aided (In Lakhs)

Year	Secondary	% Increase /decrease	Hr. secondary	% Increase /decrease
2019-20	0.453	0.76	0.353	-2.61

Total Enrolment (I-XII)

Year	General	SC	ST	OBC	Muslim
2019-20	223202	4152	24710	30154	33464

Class-wise number of Enrolment: Govt. + Aided Schools

Year	IX	X	XI	XII
2019-20	26095	19287	18321	16997

Class-wise number of Enrolment: All Schools

Year	IX	X	XI	XII
2019-20	27815	20806	19319	17900

Percentage girls to total enrolment and GPI in enrolment

Indicator	Level	2019-20
% Girls to Total Enrolment	Secondary	47.00
	Higher Secondary	51.00
Gender Parity	Secondary	0.89

Indicator	Level	2019-20
Index(GPI)	Higher Secondary	1.04

GPI Class-wise:-

Year	IX	X	XI	XII
2019-20	0.83	0.99	1.01	1.07

Percentage girls to total enrolment and GPI in enrolment

Year	Sr. No.	Districts Name	% Girls to total Enrolment		Gender Parity Index (GPI)	
			Sec.	H. Sec.	Sec.	H. Sec.
2019-20	1	North Goa	46.56	50.64	0.87	1.02
	2	South Goa	47.97	51.36	0.92	1.05

Transition Rate

Year	Districts	UP to Secondary			Sec. to HS		
		Boys	Girls	Total	Boys	Girls	Total
2019-20	North Goa	82.98	81.77	82.41	75.26	74.44	74.86
	South Goa	150.4	135.6	143.2	117.26	119.55	118.43

Transition Rate

Year	UP to Secondary			Sec. to HS		
	Boys	Girls	Total	Boys	Girls	Total
2019-20	116.68	108.70	112.82	96.26	96.99	96.64

Annual Average Dropout Rate (Primary to Higher Secondary Level)

Year	Districts	Secondary (Class 9 to 10)			Higher Secondary (Class 10 to 12)		
		Boys	Girls	Total	Boys	Girls	Total
2019-20	North Goa	44.85	34.83	39.84	32.87	26.36	29.62
	South Goa	15.96	-1.77	7.09	-11.83	-13.22	-12.53

Annual average Dropout Rate

Category	Year	Secondary (Class 9 to 10)			Higher Secondary (Class 11 to 12)		
		Boys	Girls	Total	Boys	Girls	Total
All	2019-20	30.40	16.53	23.47	10.52	6.57	8.54

Progress and Implementation 2019-20: -**Readiness Programme for Subjects**

Ministry had approved funds for conducting Readiness programmes in the schools. 4322 students from 77 Government Secondary Schools were benefited from this activity and it has helped the student community to improve the quality of Education. The activities like Study techniques, Competitive exams for career, Career Guidance, Life Skills, Training for adolescent's etc were taken up during the programme. An Amount of Rs. 25.63 Lakh was utilized for conducting the programme.

Project Kala Utsav

MHRD approved Rs. 10.00 lakh towards organizing Kala Utsav at District Level & State Level & for participation at National Level. The competition was organized in four categories namely Music (Vocal), Music (Instrumental), Dance and Painting as per the guidelines prepared by NCERT & Ministry of HRD. It was organized successfully at District & State Level which was judged by eminent personalities from the respective areas.

The total number of students participated are as under:-

Total no. of Participants	Music (Vocal)	Music (Instrumental)	Dance	Painting
229	49	41	57	82

The first prize winner at State Level Competition (1 Male, 1 Female) in the above categories participated in National Level competition at New Delhi.

“Miss. Rama Shenvi from the State of Goa secured 1st prize in Music (Instrumental) category at National Level”.

School Band Competition

The State Level School Band Competition was in two categories i.e. boys and girls were held on 15th Nov 2019 at Bal Bhavan, Campal, Panjim as per the guidelines provided by Ministry HRD. All together 04 Schools in Boys Category & 03 Schools in Girls Category participated in the competition.

Dr. K.B. Hedgewar High School, Cujira – Bambolim (Boys team) & St. Thereza's Convent High School, Ganapoga –Raia (Girls team) secured first place in the respective Categories.

Project on Science & Maths (RAA)**Learning Enhancement Remedial Teaching**

To reduce the detention rate Remedial Coaching for the weak students was provided in the school premises by appointing separate subject teachers other than regular teacher. The classes were run 3 days

in a week after school hours in each subject for 2 hours for Std. IX & X. A total of 409 Students from 10 Schools came with their difficulties to take the opportunity of this facility. An amount of Rs. 1.51 Lakhs was spent towards the same.

School Grants

All 85 Govt. Secondary Schools & Higher Secondary Schools were provided with Annual School Grants to purchase books, magazines, laboratory materials, to organize small programmes etc. The total expenditure incurred on the same was Rs. 19.35 Lakhs.

Science Exhibition/Book Fair

Science Exhibition/Book Fair was organized at District Level i.e. in North Goa and South Goa. During this programme activities such as Science School Level Quiz Competition, Exhibitions in discoveries and inventions in science, Introduction to the lives and works of renowned and scientists, Science-in-life were conducted. This activity promoted interest among students in learning science, spirit of inquisition and research and developing abilities of critical and creative thinking. An amount of Rs. 0.31 Lakh was utilized for conduct of programme.

SC/ST oriented activities

Goa Samagra Shiksha has taken initiative to organize special training programme for SC/ST students studying in Std. IXth, Xth, XIth and XIIth. In this training programme Samagra Shiksha had concentrated on following topics like communication skills, responsible citizenship, changing passion concept and misconception, schemes for SC/ST students, competitive examination and time management. This programme was organized in 10 Higher Secondary Schools from 04 Blocks. Around 212 students were benefited from this programme.

The main objective of the programme was to:

1. To bring about academic up-liftment among the SC/ST students.
2. To promote in them confidence in learning and sharing information.
3. To equip learners with the exam answering techniques.
4. To help them in planning their careers.

Training in Martial Arts

This is one of the most successful activities of Goa RMSA. With the changing scenario of the society, parents and the girls have realized the importance of Karate and other self-protection training. The parents have stitched the necessary kits and encourage the girls for this training. As per the approval of MHRD, girls from 78 Government Secondary Schools were trained in Karate, Marshal Art. The Squay Marshal Art Association Goa helped to get the trained Instructors. They are paid @ Rs. 3000/- per month for 3 months.

Adolescent Programme for Girls Students

Adolescent Programme for Girls Students was conducted to create awareness among the teachers about the need of guiding the adolescent girls at the time of their physical and psychological changes. It was conducted in 22 Govt. Secondary Schools and was attended by 969 students.

It helped the adolescent girls to understand the physical and psychological changes they are undergoing and the scientific reasons behind the changes.

It also created awareness on various issues like child rights, Menstrual Hygiene, Reproductive process in Human, Yoga and Pranayama, trafficking of children, child abuse etc. The programme was conducted collaboration with Public Health Center .

In-service training of Special Educators

Five days training programme was organized for Special Educators / Resource Room Teachers from the state of Goa to update their knowledge on the subject matter.

Salary of Special Educators (Previous)

To promote inclusive education and to care CWSN students with learning disability, 10 Resource Room Teachers were appointed as per the approval obtained from MHRD on contract basis on a fixed consolidated salary of Rs. 25,000/- per month for a period of 12 months.

Vocationalisation Secondary & Higher Secondary Education (VSHSE)/ National Skill Qualification Framework (NSQF)

National Skill Qualification Framework (NSQF) was implemented in 78 Government Secondary Schools, 06 Government Higher Secondary Schools, 12 Government Aided High Schools and 23 Government Aided Higher Secondary Schools.

Instructors in different sectors were appointed to teach NSQF on a fixed consolidated salary of Rs. 20,000/- p.m. In-service training of teachers was also held for the Instructors. An expenditure of Rs. 439.52 Lakhs was incurred on various activities of NSQF.

Activity wise Expenditure Statement of Secondary Education for the period ending 31.03.2020

(Rs. In Lakhs)

Sr. No.	Expenditure By Activity	PAB Approval	Year Ended
1	Program Management (MMER)	111.09	22.73
2	Media & Community Mobilization	3.82	-
3	Funds for Safety and Security	0.43	-
4	Orientation Programme for Teachers on safety and Security		

		5.72	-
5	Reporting by Head of Schools	0.43	-
6	Readiness programme for subjects	30.10	25.63
7	Aptitude Test at School Level	2.27	-
8	Teacher IdCards	0.29	-
9	Youth & Eco Club	21.25	-
10	BAND Competition	5.00	3.99
11	Project Kala Utsav (Secondary)	10.00	3.64
12	Remedial Teaching	7.87	1.52
13	Shagunotsav	3.46	-
14	Annual Grant (up to Highest Class X or XII)	42.50	19.36
15	Library (upto Highest Class XII)	9.05	-
16	Science Exhibition / Book Fair	1.00	0.32
17	Maths Kit	1.50	0.13
18	Science Kit	6.24	-
19	Training for In-service Teacher and Head Teachers	104.41	-
20	SC/ST Oriented Activities	18.00	-
21	Educational Backward Minorities Orientated Activities	20.40	-
22	Adolescent Programme for Girls Students	20.94	1.77
23	Training in Martial Arts to all girls / Self Defence	7.02	5.09
24	Sports & Physical Education (upto Highest Class XII)	21.25	-
24	Assistive Devices,Equipments and TLM	8.00	-
25	Escort Allowance	6.48	-

26	Stipend for Girls	4.44	-
27	Home Base Education (Highest Class XII)	0.28	-
28	In-service Training of Special Educators	2.40	0.02
29	Salary (Previous Spl. Educators)	30.00	24.97
30	Financial Support for Vocational Teacher/ Trainer (New)	82.80	41.19
31	Financial Support for Resource Persons (New)	21.88	0.45
32	Raw material Grant for new school per course (New)	39.38	1.49
33	Cost of providing Hands on Skill Training to Students (New)	21.00	1.09
34	Office Expenses / Contingencies for New School (New)	17.50	0.85
35	Induction training of Teachers VE - Teachers (10 Days)	3.45	-
36	Financial Support for Vocational Teacher/ Trainer (Existing)	434.40	342.78
37	Financial Support for Resource Persons (Existing)	119.41	6.67
38	Raw material grant for new school per course (Existing)	214.86	11.76
39	Cost of providing Hands Training Students (Existing)	114.65	10.66
40	Assessment and Certification Cost (Existing)	13.29	12.85
41	Office Expenses / Contingencies for School (Existing)	95.55	9.20
42	In-service Training of VE - Teachers (5 - Days) - (Existing)	4.53	0.54
	Total	1,688.29	548.68

(Teachers Education)

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4. TEACHER EDUCATION

Teacher Education (TE) system in Goa is constantly evolving keeping in pace with the directive of various National agencies including the directives of National Council for Teacher Education (NCTE) which is the statutory regulatory authority for Teacher Education. As the different stages require specialised teachers with necessary education and skills accordingly there are different types of Teacher Education institutions in the state viz. the DIET and other private Elementary 2. Teacher Education Institutions (ETEI) for the Elementary teachers, B.Ed. Colleges and Integrated Colleges of Education to prepare Secondary and Higher Secondary teachers, B.P. Ed. Institution for prospective physical education teachers and special teacher education programmes to meet the requirements of teachers for the special children. The SCERT, DIET, Goa Board of Secondary and Higher Secondary Education (GBSHSE), Goa Sarva Siksha Abhiyan (GSSA), Goa Rashtriya Madhyamik Siksha Abhiyan (GRMSA) and the Extension services departments of certain B.Ed. colleges are there to take care of the in-service needs of the different categories of teachers.

Thus, Teacher Education system in Goa comprises of SCERT, one DIET, three Colleges of Education, two Colleges of Integrated Education, three institutions of Diploma in Elementary Education (D.El.Ed.), a Training College for Physical Education and in-service teacher education wings of GSSA and GRMSA. Besides, Goa Education Development Corporation and Goa Board of Secondary and Higher Secondary Education also play their share of role in organising in-service teacher education programmes.

All pre-service Teacher Education at elementary and secondary teacher education level in the state are in private sector except the DIET, North Goa. Some of these private managed institutions are receiving Grant-in-aid from the Government of Goa while the rest are self-financed. There is no Teacher Education Department in the University and no IASE, and BITE in the State. However CTE has been established last year but non-functional.

These institutions offer a wide range of teacher education programmes of both pre-service and in-service in nature in accordance with the norms of various regulatory bodies including the NCTE.

Goa State Dashboard Tables

2.1 About State (as on 31 ST March, 2019)	
Head	Detail
Name of State	Goa
No. of districts created up to March, 2011	02
No. of districts created between April 2011 and March 2017. (Please attached Year wise & districts wise list)	00
Total No. of Revenue Districts	02

No. of Blocks/ Mandal	12
No. of DIETs sanctioned/functional	01/01
No. of CTEs sanctioned/functional	01/00
No. of IASEs sanctioned/functional	00/00
No. of State Universities :	
(i) Having Department of Education	00
(ii) Not having Department of Education	01
Number of Pre-Primary Schools	421
Number of Primary Schools	924
Number of Upper Primary Schools (including composite schools)	64
Number of Secondary Schools (including composite schools)	404
Number of Senior Secondary Schools (including composite schools)	107
Number of Teacher Eligibility Test (TET) Conducted in the State since 2012 onwards (Provide year wise details)	00
No. of DIETs sanctioned	01
(i) Upgraded	
(ii) New	00
No. of functional DIETs	01
No. of Non-functional DIETs (Provide Reason for Non-Functionality)	00
No. of DIETs with NCTE recognition for D. El. Ed. Course	01
How many DIETs have functional website	
(Please attached the DIET wise website details)	
Teachers	
Total Number of Teachers (Including Govt., Aided & Pvt. Schools)	
<input type="checkbox"/> Elementary Level	□□□□
<input type="checkbox"/> Secondary Level	□□□□
Total number of Unqualified Teachers enrolled in NIOS D.El.Ed. programme for training of In-service Untrained Teachers	
<input type="checkbox"/> Government Schools	□□□
<input type="checkbox"/> Aided Schools	□□□

<input type="checkbox"/> Pvt Schools/Unaided Schools	□□□			
Last TET was held in the State (date/month/year): TET is not conducted in the State so far				
<input type="checkbox"/> Primary level	□□			
<input type="checkbox"/> Upper Primary	□□			
<input type="checkbox"/> % of candidates who have cleared TET Primary level				
<input type="checkbox"/> % of candidates who have cleared TET Upper Primary level				
<input type="checkbox"/> Has the TET data been used to analyse the performance of Teacher Education Institutions?				
Year-wise total number of teacher trainees passing: (Year 2016-2017)				
<input type="checkbox"/> Through DIETs	□□□			
<input type="checkbox"/> Through BITEs	□□			
<input type="checkbox"/> Through Private D.El.Ed. Colleges/Institutions	□□			
Number of new teachers needed annually				
<input type="checkbox"/> For Elementary Level	□□□□□□□			
<input type="checkbox"/> For Secondary Level	□□□□□□			
Teacher Educators				
Total Number of Teacher Educators				
<input type="checkbox"/> DIETs	□□			
<input type="checkbox"/> CTEs				
<input type="checkbox"/> IASEs	□□			
<input type="checkbox"/> BITEs	□□			
Total Intake and Enrolment in TEIs				
	Intake/Enrol			
<input type="checkbox"/> DIETs	□□□□□□			
<input type="checkbox"/> CTEs	□□			
<input type="checkbox"/> IASEs	□□			
<input type="checkbox"/> BITEs	□□			
<input type="checkbox"/> Pvt B.Ed. Colleges/Institutions	□□□□□□□			
<input type="checkbox"/> Pvt D.El.Ed. Colleges/Institutions	□□□□□□□			
Total Academic Post Sanctioned in TEIs				
	Sanctioned	working	Vacant	% Vacant
<input type="checkbox"/> SCERTs	□□	□□	□□	□□□□□

<input type="checkbox"/> DIETs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> CTEs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> IASEs	<input type="checkbox"/>			
<input type="checkbox"/> BITEs	<input type="checkbox"/>			
% Vacancy of Academic Posts as a ratio of Total Number of Posts				
<input type="checkbox"/> SCERT				
<input type="checkbox"/> DIET				
<input type="checkbox"/> CTEs				<input type="checkbox"/>
<input type="checkbox"/> IASEs				<input type="checkbox"/>
<input type="checkbox"/> BITEs				<input type="checkbox"/>

State Council of Educational Research and Training (SCERT), Goa

1.1 Genesis of SCERT

The State Council of Educational Research and Training (SCERT), Goa came into existence in October 2006 following the sanction of Government of Goa for the up-gradation of the then State Institute of Education (SIE). The erstwhile SIE was established in 1975. Since its up-gradation the SCERT was functioning from the old SIE building till November 2016. Under the Centrally Sponsored Scheme of Teacher Education the new state of the art building of SCERT is constructed at the cost of Rs. 26 Crore. The new SCERT building was formally inaugurated by the Honorable Chief Minister of Goa on 7th December 2016. The new building of SCERT is well equipped with the required infrastructure for conducting various programs including training of teachers, conducting of educational surveys, research and development of teaching-learning material. Following the completion of the new building the organizational restructuring of SCERT is also initiated. The SCERT, Goa is now functioning under the State Directorate of School Education.

The SCERT, functions in close coordination with the DIET, Goa Board of Secondary and Higher Secondary Education, Goa Samagra Siksha and the other Teacher Education Institutions at the state level. SCERT, Goa has now been designated as a nodal agency for in-service training of teachers teaching classes I to XII.

In the capacity of the Academic Authority under RTE Act-2009, SCERT, Goa designs curriculum of Elementary Teacher Education, prepares certain Textbooks for Elementary Education and conducts D. El. Ed. Examination for the DIET and other private Elementary Teacher Education Institutions.

1.2 Vision

As an Academic Authority SCERT, Goa is committed to deliver all that is possible for sustainable quality education in the Schools of Goa by way of carrying out research, innovation, training, development of

curriculum and preparation of teaching learning materials for different levels of school as well as teacher education. The SCERT, Goa endeavors to spot and nurture the young talent by way of conducting various talent search examinations and by offering various scholarships/incentives to the talented students. It is also committed to popularize Science Education in the State and implementing various need based programs for adolescents. Currently, SCERT takes the lead in some major national initiatives such as Digital India, Skill India and Swachh Bharat, in collaboration with other state level institutions working in the area.

The SCERT is guided by an advisory committee which is consisting of the following members.

Table 1 Advisory Committee of SCERT, Goa

1.	Secretary (Education)	rperson
2.	Director of Education	Ex-officio
3.	Director of Higher Education	Ex-officio
4.	Director of Technical Education	Ex-officio
5.	Director of Craftsman Training	Ex-officio
6.	Chairman of the Goa Board	Ex-officio
7.	Principals of Goa Colleges of Education	Ex-officio
8.	Principal of D.I.E.T.	Ex-officio
9.	Member of Legislative Assembly	Nominated
10.	Eminent Educationists (2)	Nominated
11.	Representatives of Pre-primary, Primary, Secondary & Higher Secondary (2 each)	Nominated
12.	Director of SCERT	Member Secretary

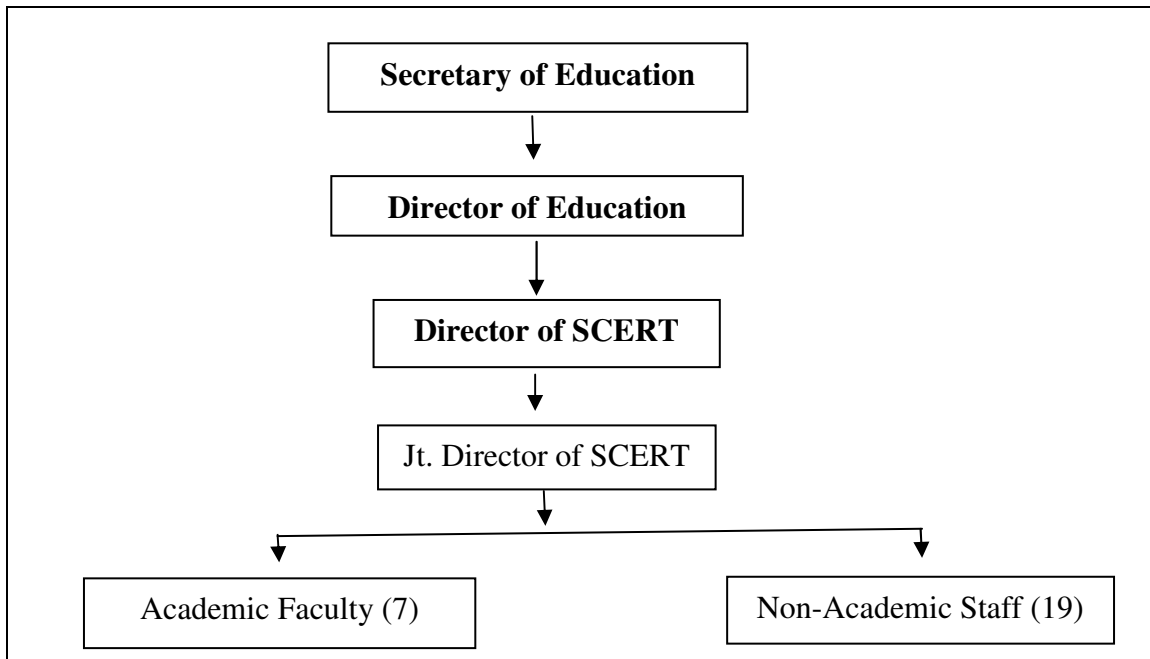
The advisory committee ordinarily meets twice a year in April and October. The Chairman through the Member Secretary convenes the meeting.

1.3 Organizational Structure of SCERT

Restructuring of SCERT as per the MHRD guidelines is under the consideration of the State Government. Presently SCERT is headed by its Director who is deputed from the cadre of Deputy Director of Education of the Directorate of Education. The post of Jt. Director is also usually filled by deputation of official from the cadre of School Education. At present the Jt. Director's post is vacant since March 2017 after superannuation of the incumbent. Besides, the posts of Director and Jt. Director

there are 07 sanctioned academic posts (Lecturers). Out of these posts only three are filled with personnel on deputation and transfer from the departments of school and higher education. Presently, there are no specific departments within SCERT with well earmarked functions.

Organogram of SCERT, Goa



1.4 Objectives:

- i. To provide academic leadership in school education in the state.
- ii. To achieve qualitative improvement in school education through training of teachers on innovative educational practices.
- iii. To undertake academic reforms in the light of policy changes in the state.
- iv. To coordinate with NCERT, NUEPA, and other National, International and State level agencies including NGOs etc. for implementation of schemes and projects.
- v. To develop curricular, instructional materials, textbooks, teachers' handbooks, supplementary reading materials etc. for use in educational institutions for teachers of all stages of school education.
- vi. To act as a Resource Centre for Teachers and Teacher Educators.
- vii. To give technical guidance and program support to and act as academic supervisors of the District Institute of Education and Training (DIETs).
- viii. To conduct research studies and investigation on various aspects of School Education.
- ix. To provide for continuing education for teachers and teacher educators.
- x. To act as a nodal agency for all kinds of educational programs and schemes.

1.5 Roles and Functions:

Major roles and core functions of the SCERT are as follows:

- i) To prepare State Curricular Framework for School Education and preparation of curriculum for the elementary teacher education course.
- ii) To lay down the curriculum and evaluation procedure for all schools in the state from Pre-Primary to Higher Secondary.
- iii) To develop curricular, instructional materials, textbooks, teachers' handbooks, supplementary reading materials etc. for use in educational institutions for teachers of all stages of school education.
- iv) To define clear, coherent and effective student learning indicators/outcomes in order to establish clarity at all levels of State administrative and academic machinery.
- v) To undertake policy research and to advise state government on policy formulations relating to school education and elementary teacher education.
- vi) To collate and disseminate available researches from universities, research agencies and NGOs in order to make use of these researches for improving quality of the education.
- vii) To organize in-service teacher education programs annually for teachers, teacher educators, administrators, and ECCE practitioners on innovative educational practices.
- viii) To evolve meaningful, short term and long term teacher education programs on specific themes of specialization for secondary and senior secondary teachers, administrators and teacher educators.
- ix) To provide academic leadership in school education in the state.
- x) To coordinate with NCERT, NIEPA, and other National, International and State level agencies including NGOs etc. for implementation of schemes and projects.
- xi) To act as a Resource Centre for Teachers and Teacher Educators.
- xii) To give technical guidance and program support to and act as academic supervisors of the District Institute of Education and Training (DIETs), BRCs CRCs etc.
- xiii) To act as a nodal agency for all kinds of educational programs and schemes.
- xiv) To prepare 5-year state perspective plan and Annual Work Plan for teacher education.

The objectives of SCERT, Goa is mostly in line with the objectives of SCERTs as recommended by the MHRD, Government of India.

1.6 Current Schemes and Programs of SCERT, Goa

SCERT is presently implementing various schemes and organizing a wide range of programs in the field of School Education.

1.6.1 Schemes and Programs pertaining to Scholarships and Awards

- **Incentive Scholarship Scheme for students of Std. IV:** Under the Incentive Scholarship Scheme (ISS-IV) of Government of Goa students completing their Standard-IV are eligible for

receiving a scholarship of Rs. 2000/- PA on the basis of their merit till they complete Standard-X. SCERT conducts this Incentive Scholarship examination at all Taluka headquarters. Every year nearly 2000 students appear for this examination. **National Talent Search (NTS) Scheme:** SCERT is the nodal agency for conducting National Talent Search (NTS) examinations in the state of Goa.

- **National Means cum Merit Scholarship (NMMS) Scheme:** National Means cum Merit Scholarship (NMMS) scheme is another centrally sponsored scheme of the Department of School Education and Literacy, Ministry of Human Resource Development, Government of India. SCERT, Goa is the nodal agency to conduct NMMS examinations for students of Class VIII. Under NMMS scheme 144 scholarships are allotted for Goa. The question paper for NMMS examination in Goa is prepared by the SCERT.
- **Rajiv Gandhi Students Meritorious Scholarship:** SCERT, Goa draws the merit lists and disburses the cash award to the eligible students under Rajiv Gandhi Students Meritorious Scholarship scheme for the students of class X and XII who secure first, second and third position in their respective High Schools and Higher Secondary Schools in the SSCE and HSSCE examination conducted by Goa Board of Secondary and Higher Secondary Education in the month of March/April every year.
- **Innovation in Science Pursuit for Inspired Research (INSPIRE):** SCERT, Goa organizes INSPIRE exhibition under this National flag ship program implemented by the Ministry of Science and Technology, Government of India to attract talented students to study science and pursue career in science with research.
- **Science Talent Search Examination (STSE):** In order to encourage the students to develop interest in Science and Mathematics and build a competitive spirit among them, SCERT conducts STSE for the students from standard VIII to XII. The objective of STSE is to spot the young talents in the field of Science and also to acknowledge their talent by offering a cash prize. Top 25 students each in the STSE merit list from class VIII to X and class XI to XII are eligible for the award of a cash prize of Rs. 2500/- each.

1.6.2 Schemes and Programs Pertaining to Popularization and Improvement of Science Education

SCERT has been actively working on a variety of activities for creating and nurturing interest for Science and Mathematics among the school students. These activities range from conducting the Science Talent Search Examination to organizing Science Fairs, Exhibitions, Seminars, Workshops, Science Drama Competitions, and Model making competitions for school children. This Council conducts several other science programs for students and teachers as well. There has been a strong link built up with the Department of Science, Technology and Environment, Goa Science Centre, Nehru Science Centre and National Council of Science Museum which offer richer opportunities to the learners of science.

SCERT in collaboration with the Department of Science, Technology and Environment celebrates National Science Day every year on the birth anniversary of Prof. C. V. Raman. SCERT also

conducts Science Talent Search Examination every year for students from standard VII to XII to spot the young talents in the field of Science and also to acknowledge their talent.

Various competitions, exhibitions, seminars and workshops for students, teachers and teacher trainees are also organized by SCERT in every year as a part of Science day celebration.

- **Science Seminar:** SCERT, Goa every year organizes Science seminars at Zonal and State level in the months of July and August for students of class VIII to X to motivate Secondary school students to explore new horizons in the field of Science. The selected student at the state level participates at the National Level Science Seminar organized by Nehru Science Centre, Worli, Mumbai.
- **Western India Science Fair:** SCERT, Goa conducts State Level Western India Science Fair every year to stimulate the Secondary and Higher Secondary school students to evolve practical approach towards problem solving in Sciences. In all 3 individual student projects, 3 student team projects and 3 teaching aid projects are selected for Zonal Level Western India Science Fair.
- **Jawaharlal Nehru Science, Mathematics and Environment Exhibition:** To develop scientific attitude and scientific temper and also to develop mathematical and reasoning aptitude among the students of Secondary and Higher Secondary schools Jawaharlal Nehru Science, Mathematics and Environment Exhibition is organized by SCERT, Goa every year in collaboration with Department of Education in Science and Mathematics, N.C.E.R.T., New Delhi.
- **State Level Science Drama Competition:** To spread scientific literacy and eradicate superstitions among students especially in the rural areas SCERT, Goa in collaboration with National Council of Science Museum organizes Science Drama Competitions for the students of Secondary schools. Two best dramas are selected thereafter for the participation at the Western Zone Science Drama Competition held at Nehru Science Centre, Mumbai.
- **National Science Day:** To inculcate the spirit of scientific inquiry and to draw inspiration from the life and works of the great Scientists the SCERT, Goa in collaboration with Department of Science, Technology and Environment, Government of Goa celebrates National Science Day on 28th February every year under the Centrally Sponsored Scheme of Popularization of Science Education in Schools. On this occasion various competitions like Drawing, Essay writing, Poster Competition, Science Quiz Competition, Mathematics Quiz Competitions, Science Teachings Aid Competitions for B. Ed and D. El .Ed. students and workshops for teachers are conducted throughout the month of February.

1.6.3 Programs of In-Service Teacher Education

SCERT is the Nodal agency for conducting of all in-service training programs of teachers from Class-I to XII in the state. At present, the SCERT conducts training for Secondary and Higher Secondary teachers and Principals whereas, training of Elementary school teachers is conducted by GSSA through CRCs and BRCs.

1.6.4 Other Schemes and Projects

A variety of other schemes and projects are implemented in the state by SCERT in collaborations with different national and state level agencies/organizations. The list of these programs along with collaborative agencies is shown in Table 1.10.

Miscellaneous Collaborative Schemes and Projects

Sl. No.	Scheme/Project	Objectives	In Collaboration with
1	National Population Education Project	To develop understanding, rational attitude and responsible behavior towards Population and developmental issues	NCERT
2	NPSSE (Shaala Siddhi)	Evaluation of Schools	NIEPA
3	School Leadership Program	To train and orient the Head masters and Principals	NIEPA
4	Rashtriya Avishkar Abhiyan	To create interest among the school students in Science and Mathematics	MHRD and NIT, Goa
5	Adolescence Education Program	To build life Skills of Adolescents, to help them cope with negative peer pressure, develop positive behavior, improve sexual health, to prevent substance abuse and HIV infection	Goa AIDS Control Society
6	National Tobacco Control Program	To spread awareness about the harmful effect of tobacco and Tobacco Control Laws	MOHFW, DHS, Goa
7	Vedanta E-Shiksha	To incorporate technology as an aid to support and enhance the teaching / learning process in schools, increase enrollments, decrease dropout rates and to improve pass percentage	Vedanta Foundation

Capacity Building Programs Conducted by SCERT in 2019 - 20

Sr. No	Subject	Level	No of Days	Dates	No. of Participants
	Capacity Building	Secondary	2 days	10/01/2020 to 11/01/2020	77
		Secondary	2 days	17/01/2020 to 18/01/2020	65
		Secondary	2 days	03/01/2020 to 24/01/2020	107
		Secondary	2 days	27/01/2020 to 28/01/2020	113
		Hr. Secondary	2 days	29/01/2020 to 30/01/2020	80

	Total	442
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Table 7.9: Key Resource Person Training Programme for Secondary and Hr. Sec. Teachers under Goa SSA - Teacher Education in 2019-2020

Sr. No	Subject	Level	No of Days	Dates	No. of Participants
1.	Art/Visual Appreciation	Secondary	4 days	17/09/2019 to 20/09/2019	19
2.	Use of Advance Software in Library	Higher Secondary	5 days	25/11/2019 to 29/11/2019	29
Total					48

Table 7.10: In-service Teachers Training Programme for Secondary Teachers under Goa SSA- Teacher Education in 2019 – 2020.

Sr. No	Subject	Level	No of Days	Dates	No. of Participants
1.	Konkani	Secondary	2 days	27/08/2019 to 28/08/2019	178
				29/08/2019 to 30/08/2019	
			2 days	13/02/2020 to 14/02/2020	180
2.	Sanskrit	Secondary	3 days	09/09/2019 to 11/09/2019	32
3.	Geography	Secondary	3 days	07/10/2019, 9/10/2019 & 10/10/2019	90
				12/11/2019 to 14/11/2019	95
4.	Portuguese	Secondary	3 days	18/11/2019 to 20/11/2019	19
5.	Marathi	Secondary	3 days	20/01/2020 to 22/01/2020	145
				3/02/2020 to 5/02/2020	178
Total					917

Table 7.11: In-service Training Programme for Hr. Sec. Teachers under Goa SSA- Teacher Education in 2019 – 2020

Sr. No	Subject	Level	No of Days	Dates	No. of Participants
1.	Secretarial Practice	Higher Secondary	2 days	10/07/2019 to 11/07/2019	51
2.	Banking	Higher Secondary	2 days	26/07/2019& 29/07/2019	6
3.	Tourism & Travel Techniques , Home Science	Higher Secondary	2 day	5/08/2019 & 6/08/2019	11
			1 day	16/08/2019	11
4.	Business Studies	Higher Secondary	3 days	07/08/2019to 09/08/2019	76
5.	Physics	Higher Secondary	3 days	13/08/2019 , 14/08/2019 & 16/08/2019	73
6.	CGDM	Higher Secondary	4 days	13/08/2020,14/08/2020, 16/08/2020 & 18/08/2020	27
			2 days	20/11/2019 & 21/11/2019	40
7.	Computer Techniques	Higher Secondary	3 days	13/08/2019, 14/08/2019 & 16/08/2019	32
8.	Computer Techniques & Computer Science	Higher Secondary	1 day	17/08/2019	49
			2 days	18/11/2019 & 19/11/2019	35
9.	Marathi	Higher Secondary	3 days	19/08/2019to 21/08/2019	52
10.	Economics	Higher Secondary	2 days	22/08/2019 & 23/08/2019	87
11.	Accountancy	Higher Secondary	2 days	23/08/2019 &24/08/2019	82
			2 days	06/02/2020 & 07/02/2020	78
12.	Sanskrit	Higher Secondary	3 days	10/09/2019 & 11/09/2019	8
13.	Biology	Higher Secondary	3 days	11/09/2019 to 13/09/2019	85
14.	Konkani	Higher Secondary	2 days	12/09/2019 & 13/09/2019	68
			1 day	28/01/2020	63
15.	Chemistry	Higher Secondary	3 days	16/09/2019 to 18/09/2019	50
			3 days	19/09/2019 to 21/09/2019	47
16.	Geology / Geography	Higher Secondary	3 days	16/09/2019 to 18/09/2019	22

17.	Psychology	Higher Secondary	2 days	16/09/2019 & 17/09/2019	56
18.	Hindi	Higher Secondary	4 days	23/09/2019 to 26/09/2019	91
19.	History	Higher Secondary	3 days	3/10/2019, 04/10/2019 & 17/10/2019	57
20.	Sociology	Higher Secondary	3 days	10/10/2019 & 12/10/2019	44
21.	Portuguese	Higher Secondary	3 days	18/11/2019 to 20/11/2019	8
22.	Political Science	Higher Secondary	3 days	25/11/2019 to 27/11/2019	44
23.	English Language I	Higher Secondary	2 days	25/11/2019 & 27/11/2019	61
			2 days	2/12/2019 & 4/12/2019	69
24.	CRM	Higher Secondary	3 days	16/12/2017 to 18/12/2017	30
25.	English Communication Skill	Higher Secondary	3 days	21/01/2020 to 23/01/2020	54
26.	Commerce Based Vocational Course (Banking)	Higher Secondary	2 days	10/02/2020 & 11/02/2020	10
27.	Commerce Based Vocational Course (Accountancy)	Higher Secondary	2 days	13/02/2020 & 14/02/2020	50
28.	Commerce Based Vocational Course (Computer Application)	Higher Secondary	2 days	20/02/2020 & 22/02/2020	60
Total					1687

Table 7.12: Other Teachers Training under Goa Samagra Shiksha Abhiyan in 2019 – 2020

Sr. No	Subject	Level	No of Days	Dates	No. of Participants
1.	Khushalbhaarat Shikshan (KhuShi) Training Programme under CSR Initiative	Primary	4	24/06/2019 to 27/06/2019	44

Online Capacity Building: SCERT, Goa in collaboration with a NGO namely “Million Sparks Foundation”, New Delhi started providing free Online Capacity Building Programs (OCBP) to teachers from January 2018. The OCBP is a mobile and web based online training and therefore teachers do not need to come to any physical place. Teachers voluntarily participate in the OCBP either through Android/iOS mobile phones or through a computer/laptop from the comfort of their home or work place and as per their convenient time. Five Phase of OCBP have been conducted in the year 2019-20 in various school subjects, Psycho-social and administrative areas. An impressive, 16492 teachers were registered in these OCBPs out of which 15246 (92.4%) teachers have been successfully completed the program and issued certificates.

1.8 Researches undertaken/completed at SCERT, Goa from 2014-2020

S. No.	Title and Name of Research and brief description of the study	Year of initiation and present Status	In collaboration/co-ordination with	Budget and source of funding	Initiatives taken to use the findings of the Research	Challenges faced in planning and conducting Research
1	A Study on The Effectiveness of Magic English SLL Programme of Karadi Path Education Company in Developing Proficiency in English Language at The Lower Primary Stage	2012-13 Completed	Karadi Path Education Company	SCERT	Revisiting the English teaching strategies at Primary level	Nil
2	Effectiveness of CCE in Improving Academic Performance of Upper Primary School Students of Goa	2014-15 Completed	None	SCERT	Modification of CCE Scheme	Shortage of manpower, Administrative approval
3	A Study on Implementation of CCE at the El. School Level in Goa.	2016-17 In progress	None	CSSTE	Improving of the CCE implementation modalities	Shortage of manpower, Administrative approval, Release of Fund

1.9 Curriculum Development

Curriculum design and development is one of the important functions of SCERT. Goa in past has experimented with adoption as well as adaption of the Syllabi and Textbooks prepared by the State of Maharashtra and that of the NCERT for certain classes. Some of the language and Social Studies syllabi and textbooks were locally prepared for different classes mainly considering the local reality in terms of the preparedness of students and teachers for those subjects. Until the establishment of State Institute of

Education (SIE) and the formation of Goa Board of Secondary and Higher Secondary Education (GBSHSE) in 1975 the schools were following the syllabus and textbooks of Maharashtra. After the establishment of SIE the preparation of curriculum and textbooks for elementary education were initiated at the local level. Following the feedbacks to locally prepared curriculum and textbooks and otherwise requirement for the regular review of the curriculum and textbooks the state now adapted/adopted NCERT textbooks for all classes.

Since academic year 2006-07, NCERT textbooks were prescribed from Class-I to Class-XII in all schools within the administrative and academic jurisdiction of the Directorate of Education of Govt. of Goa. At the lower primary level NCERT textbooks in Mathematics and Environmental studies, are translated to Konkani, Marathi and other languages for the schools where primary education is imparted in vernacular medium. Currently, the curriculum of Primary (Class I-IV) and Upper Primary (Class V-VII) is designed by the SCERT, Goa whereas the curriculum for High School (Class VIII-X) and Higher Secondary School (Class XI-XII) is prepared by the Goa Board of Secondary and Higher Secondary Education. Thus, Goa has renewed the school curriculum according to the NCF-2005 and adopted/adapted NCERT textbooks that are prepared as per the recommendations of NCF-2005.

SCERT, Goa has also renewed the Elementary Teacher Education Curriculum as per the recommendations of the National Curriculum Framework for Teacher Education-2009 and the same is implemented in DIET and other private D. El. Ed. Institutions since 2014-15.

Energized Textbooks: As a part of digitalization of student learning the SCERT, Goa has initiated the task of imposition of Quick Response Codes (QRCs) in Mathematics and EVS textbooks. The task of imposing QRCs in two Mathematics textbooks of VIth standard and two EVS textbooks of Vth standard are already completed under DIKSHA. These books are now under printing and the same will be distributed to students in the next academic year. The SCERT has also planned to identify hard spots in more textbooks for other classes and accordingly to go for imposing QRCs in those in 2019-20. As QRCs are already imposed by NCERT in its every textbook only those books are selected for QRC imposition by SCERT which are having local specific content. QRCs when scanned with a smartphone QRC scanner will take the student to additional learning inputs mostly in the form of short duration video clips relating the topics.

1.10 Development of other Training Material

SCERT prepared a comprehensive Training Module on “Continuous and Comprehensive Evaluation” for providing training to all the teachers from Primary to Secondary stage in 2012-13. Development of a Handbook on “Research Methodology in Education” was initiated in the year 2015-16 and the same is at the final stage of completion. This handbook is being prepared to enable the Higher Secondary teachers to conduct small research studies or action research projects. Certain other material development proposals were approved for funding but could not be executed due to lack of timely release of the fund and shortage of academic human resources.

District Institutes of Education and Training (DIET), Goa

3.1 General Profile of the DIET, Goa

Following the up-gradation of the erstwhile Govt. Teachers' Training College at Porvorim, Goa the institute came into existence as a DIET in June 1990. This DIET runs under the Centrally Sponsored Scheme of the Union Government of India under the Ministry of Human Resource Development, Department of Elementary Education and Literacy. The major thrust of a DIET is education of teachers working at elementary stage of education through covering classes from Std. I to VIII. Its interventions mainly offer training to the candidates prepare them to become teachers.

DIET, Goa regularly conducts in-service teacher training in various areas in collaboration with SCERT Goa concerning elementary education containing pedagogy, methodology and content and concept development among the functioning teachers to keep them aware of current movements in the field of education at state and national level. DIET complies with the tasks entrusted by the State Level educational bodies. It has linkage with the State Directorate of Education, SCERT-Goa, Goa SSA and elementary schools in the state for resource monitoring and support in carrying out its tasks. At present DIET, Goa is engaged in the task of in-service and pre-service education of the elementary teachers in the State.

3.2.1 Details of Permanent Academic Staff in DIET, Goa

Academic Posts														
Principal			Vice Principal			Senior Lecturers			Lecturers/Tr Gr I			Total		
Sanctioned Post	Filled Post	Vacant Post	Sanctioned Posts	Filled Posts	Vacant Posts	Sanctioned Posts	Filled Posts	Vacant Posts	Sanctioned Posts	Filled Posts	Vacant Posts	Sanctioned Posts	Filled Posts	Vacant Posts
1	1	0	1	1	0	7	0	7	7	4	3	16	6	10

The DIET also has the other permanent faculty as detailed:- 4- Assistant Teachers, 1- Drawing Teacher & 1- Music Teacher in position at DIET.

3.2.2 Details of Contractual/Temporary Staffs in DIET, Goa

Academic				
Name of the Lecturer	Qualification	Working Since	Nature of Hiring	Reason for hiring Contractual/ Temporary
Anamika Morajkar	M.A - Konkani B.Ed - Hindi & Marathi	June 2019	LBT	Vacant Post
Samata Marathe	M.A – Marathi & Economics B.Ed – Marathi & Geography M.Ed – Education	June 2019	LBT	Vacant Post
Sakshi Parab	M.A – Marathi M.Ed – Education Course – M.Lib (Library Sci) B.Ed – Marathi/ Social Sci	June 2019	LBT	Vacant Post
Medha Surlekar	M.Sc. – Organic Chemistry B.Ed – Sci & Maths	June 2019	LBT	Vacant Post
Bhakti Mahajan	M.A – Marathi M.Ed Education Net- Marathi	June 2019	LBT	Vacant Post
Deepti Kolwalkar	B.Sc- Zoology B.PEd- Physical Edu M.P.Ed – Phy Edu	June 2019	LBT	Vacant Post

3.3 Pre-Service Programme in DIET, Goa

S.No	Name of the Program (D.El.Ed/D.Ed)	Duration of the Program	Intake Capacity (1 st year)	Actual Enrolment (1 st year) 2019-20		
				Male	Female	Total
1	D.El.Ed. English	2 Yrs	50			50
2	D.El.Ed. Marathi	2 Yrs	50			50
Total						100

Sr. No	Name of the Programme	Duration and Date	Target Group
1.	Inter-College Street-Play competition.	16 th July 2019	D.El.Ed I and II Trainees
2.	Breast Feeding Week. Dr. Poonam Sambhaji spoke on the importance of breast-feeding (on the occasion of Breast	13 th August 2019	D.El.Ed I and II Trainees

	Feeding Week)		
3.	Katha- Tantra Ani Mantra Sane Guruji Ktha-Kathan Mala	20-21 Aug. 2019 (02 days)	D.El.Ed II Trainees
4.	Gandhijis Nayi-Talim Shri Pandurang Nadkarni (Ex-Chairman of the Goa Board Of Secondary and Higher Secondary School Certificate) on the topic “ Nai Talim” (To remember the Mahatma on his 150 th Birthday)	27 th August 2019	D.El.Ed I Trainees
5.	Educational Tour was conducted to Kolhapur, Maharashtra	23-26 September 2019 (04 days)	D.El.Ed II Trainees
6.	Quiz Competition on the Life and Times of Mahatma Gandhi	2 nd October 2019	D.El.Ed I and II Trainees
7.	Community Participation Camp at Bhironda, Sattari	2-7 November 2019 (06 days)	D.El.Ed I Trainees
8.	A talk on HIV and AIDS by Dr, Prajyoti Bhagat (Rotary Club)	2 nd Dec. 2019	D.El.Ed I and II Trainees
9.	Teaching-aids Exhibition	19 th Dec. 2019	D.El.Ed I and II Trainees
10.	Internship Programme	4-18 January 2020 (02 weeks)	D.El.Ed I and II Trainees
11.	Heritage Trail to Kudne, Bicholim and Parye, Sattari	20 th Feb. 2020	D.El.Ed II Trainees
12.	An Exhibition of Science, Maths and Work Education Projects	28 th February 2020	D.El.Ed I and II Trainees
13.	A visit to State Museum and the Museum of Customs and Excise Duty	3 rd March 2020	D.El.Ed II Trainees
14.	A visit to GHS, Malcornem (Quepem), Balram Residential HS (Canacona), Dadachi Wadi (Pernem)	13-14 March 2020	Teacher Educators, Vice- Principal, Principal
Faculty Development Programme			
02 day workshop on Preparing Test Papers (SCERT)	20 th and 23 rd Dec. 2019	Teacher Educators	
Advocacy Programme on Adolescence Education (SCERT)	19.2.20	Teacher Educators	
Study Visit to DIET- Kamrup Asam	Dec 2019	Vice-Principal, Principal	

DIET achieved 100% results of all semester examinations from sem I to Sem IV. The final year teacher trainees in the last fourth sem IV performed extremely well and nearly the result of outgoing batch of D.El. Ed batch 2019-20 was 100% of both the mediums viz English & Marathi.

Activity wise Expenditure Statement of Teacher Education for the period ending 31.03.2020

(Rs. In lakhs)

Sr. No.	Expenditure by Activity	PAB Approval	Year Ended
1	Strengthening of Physical Infrastructure & Establishment of New DIET	200.00	-
2	Construction of New SCERT	515.00	100.00
3	Equipments in Teachers Education Institution		
a.	SCERT	20.00	-
b.	DIET	10.12	-
4	Establishment of Special Cells in SCERT	20.00	-
5	Salaries of Teachers Educators (TEIs)	121.12	60.56
6	DIKSHA (National Teacher Portal)	-	0.51
7	Programme & Activities including Faculty Development of Teachers Educators		
a.	Faculty Development (DIET)		
b.	Programme Activities (DIET)	10.00	-
c.	Specific Projects for Research Activities (DIET)	5.00	-
d.	Faculty Development (SCERT)		
e.	Programme Activities (SCERT)	10.00	-
f.	Specific Projects for Research Activities (SCERT)	5.00	-
8	Technology Support to TEIs	6.40	-
9	Annual Grants		
a.	SCERT	35.00	33.92
b.	DIET	20.00	15.76
TOTAL		977.64	210.75

ACKNOWLEDGEMENTS

Goa Samagra Shiksha has strived hard during the reporting year to maximize its impact on the state's educational system. With a 200+ staff strength at all the various hierarchical levels, Goa Samagra Shiksha tried its level best to achieve the set targets within the stipulated time-frame albeit with new direction. With the support of the state and district coordinators, much was achieved in terms of teachers training, SMC training, and all required aspects of Quality interventions.

Through Community Mobilization programs we strived to sensitize the PTAs and SMCs to initiate steps to strengthen the infrastructural facilities in their respective areas so as to make the school environments child friendly. We sincerely acknowledge the vital role played by SMCs in revitalizing school environments and making the school communities proactive.

Through the various interventions, perceptible and qualitative changes have occurred in schools but we must admit we have a gigantic task at hand of increasing the strength of our students at Government Primary Schools by providing them quality education.

Goa Samagra Shiksha has continued to make progress in providing good toilet & drinking water facilities to all schools in the State wherever required. We can modestly state that Goa Samagra Shiksha has marched ahead and created an impact on the State due to active collaboration with all the stakeholders namely, the Directorate of Education, SMC Members, members of local bodies etc.

The staff and all functionaries at the SPO and the DPO levels, along with the BRCs, BRPs CRPs, and the technical and support staff have played a major role in taking the schemes to the remotest areas where constant monitoring and grass root level implementation is essential.

Goa Samagra Shiksha expresses its sincere gratitude to the Director of Education, Director of SCERT, and Principal DIET, who have been our associates and co-promoters in the field of elementary education.

In the same breath, Goa Samagra Shiksha acknowledges with profound gratitude, the valuable guidance and direction provided by the Chairperson of the Executive Committee and Secretary (Education) Smt. Nila Mohanan, IAS, who has been the guiding light for Goa Samagra Shiksha, instrumental in timely

monitoring of achievement of targets, and instilling into us a spirit of dedication and zeal to work harder.

Lastly, Goa Samagra Shiksha owes its deep gratitude to the officials of the MHRD who have provided valuable assistance and guidance at the time of the PAB preceded by the Appraisal meetings. Our gratitude also goes out to the members of the TSG (EDCIL India Ltd.) who were ever willing to help troubleshoot through difficult areas of the program, and were available to provide counsel whenever necessary.

Let us strengthen our resolve once again to work selflessly to provide quality and child-friendly education to every child in our state, because a well-educated and well-rounded child is the future strength of our nation on whose tender shoulders stand the pillars of future health and well-being of our motherland. Let us then, continue investing in the lives of our children!

With immense gratitude

Sd/-

Smt. Ruhi Redkar,

STATE PROJECT DIRECTOR
GOA SAMAGRA SHIKSHA
(for erstwhile Goa Samagra Shiksha)

