



Knowledge Partner Meet At Azim Premji Foundation Gulbarga  
18<sup>th</sup> and 19<sup>th</sup> January 2024

### **Agastya's Vision:**

to create an India of "creators, tinkerers, solution seekers and leaders who are humane, anchored and connected"

### **Agastya's Mission:**

to spark curiosity and propagate a creative temper in disadvantaged children and teachers through experiential hands-on science education and teacher trainings via scalable & sustainable methods.

**23  
States**

**17  
Million  
Children**

**250,000  
Teachers**

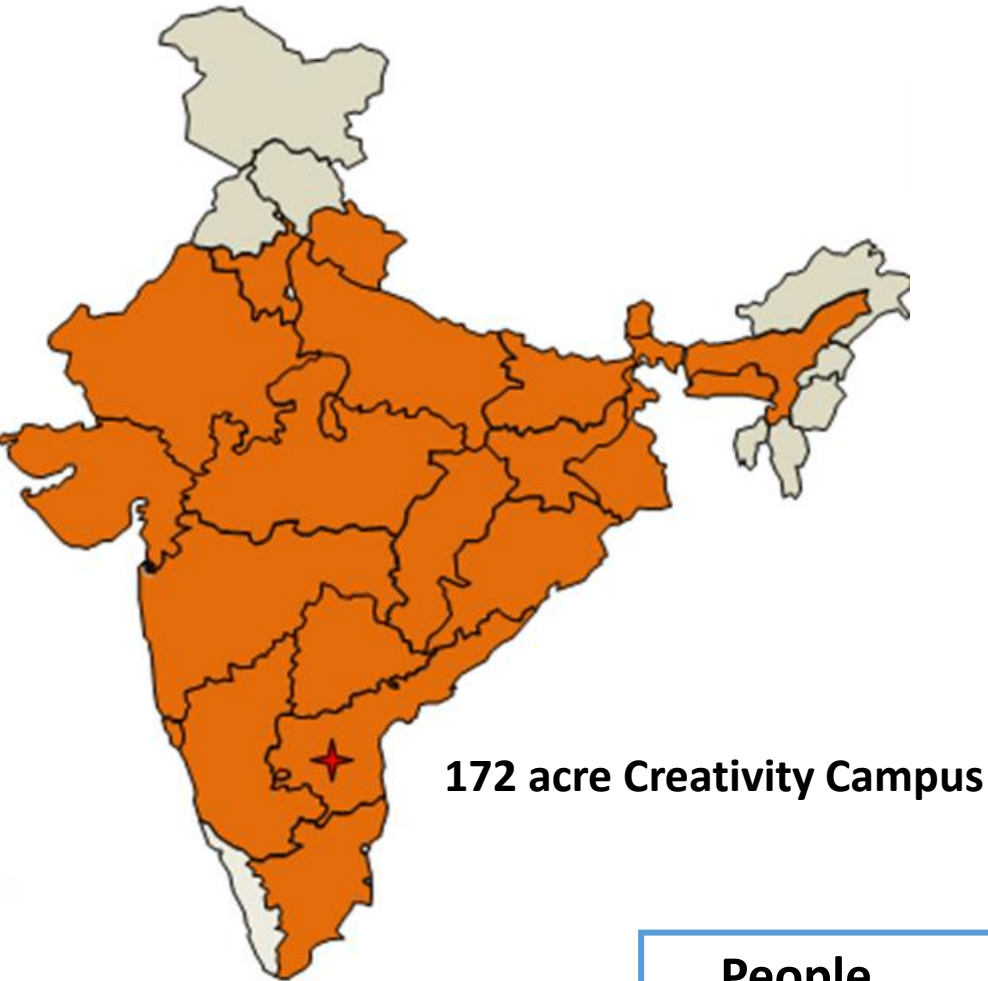
# Agastya works to influence key behavioral shifts in children through its programs



*Agastya's presence is crucial in furthering the development of India through the inclusion of her poor, who are most often disenfranchised; bringing the poor to the table as India makes her mark on the global scene. With education, these children may lift humanity to unimagined heights - Dr. A.P.J Abdul Kalam, 2012*



# Agastya uses scalable & interactive models to impact disadvantaged communities



172 acre Creativity Campus

## People

- 1200 full time
- 400 part time

## Across 23 States

Andhra Pradesh  
Assam  
Bihar  
Chhattisgarh  
Delhi  
Goa  
Gujarat  
Haryana  
Jharkhand

## **Karnataka**

Madhya Pradesh  
Maharashtra  
Meghalaya  
Odisha  
Rajasthan  
Sikkim  
Tamil Nadu  
Telangana  
Uttar Pradesh  
Uttarakhand  
West Bengal

172 acre  
Creativity  
Campus,  
Gudivanka,  
near KGF



200+  
Mobile  
Science Lab Programs

(45 Mobile Science  
Labs in Karnataka)



# Agastya touches 1.2 million children annually through its programs

90 STEM  
Oriented Science  
Centers

(29 Science  
Centers in  
Karnataka)



70+ Innovative  
Lab on a  
Bike Programs

(8 Lab on a  
Bike in  
Karnataka)



400+  
Lab in a Box  
Programs

(287+ Lab in a  
Box program in  
Karnataka)



35000+ trained in  
Young Instructor  
Leader Program

(3000 YILs in  
Karnataka)



14000+  
Teachers trained  
till date on  
'Constructivism'  
pedagogy

(8000 teachers  
from Karnataka)

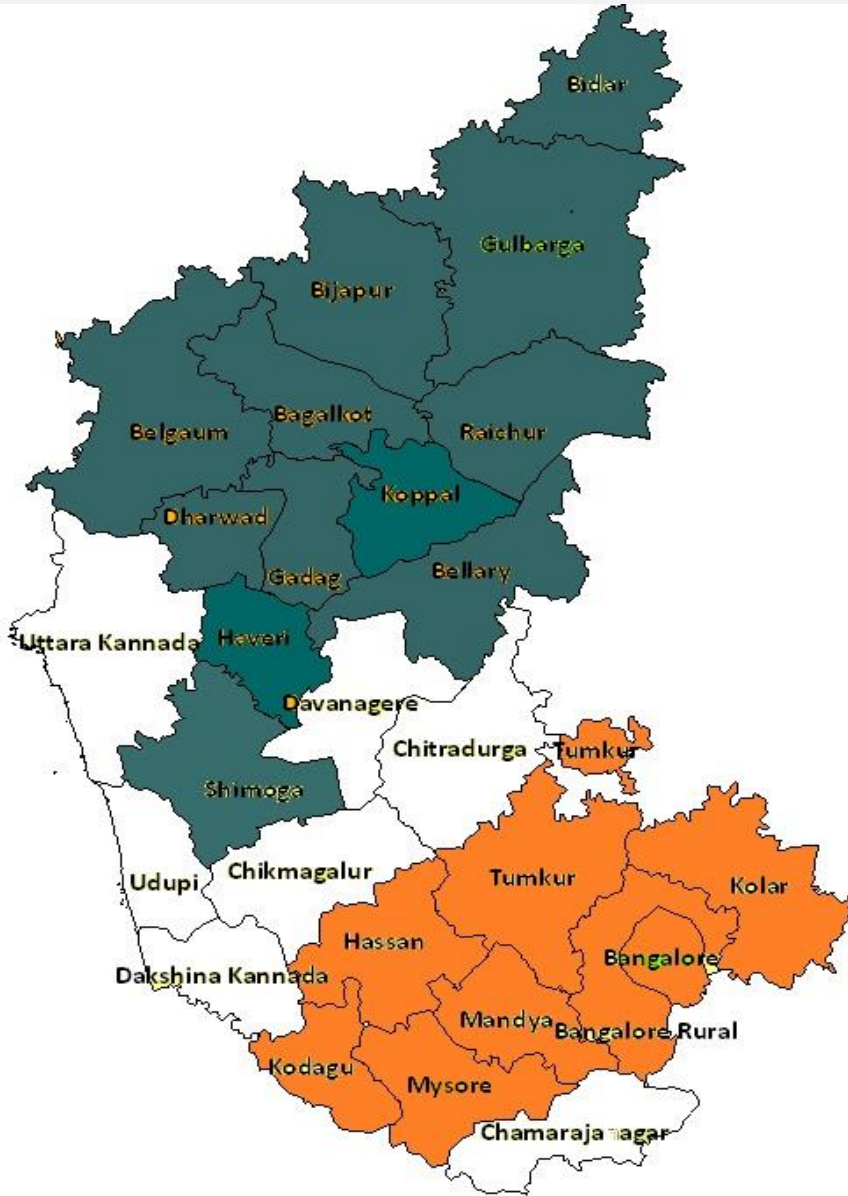


500 +  
Operation  
Vasantha – Night  
Community Centers

(32 OVs in  
Karnataka)



# Agastya's presence in Karnataka 25/30



## Through CSR

Science center:	21	}	97
Mobile Science Lab:	41		
Lab On a Bike:	20		
I-mobile lab:	06		
Young Instructor Leader Program :	06		
Mini Innovation Hub:	03		

## Through GOK

Science center:	21	} 26
CSAC :	05	

**CSAC – Core Science Activity Center, each one at Bijapur, Bagalkot, Bidar, Yadagir & Shimogga**

## Agastya reaches to 2,118 schools and 2,44,872 students across Karnataka

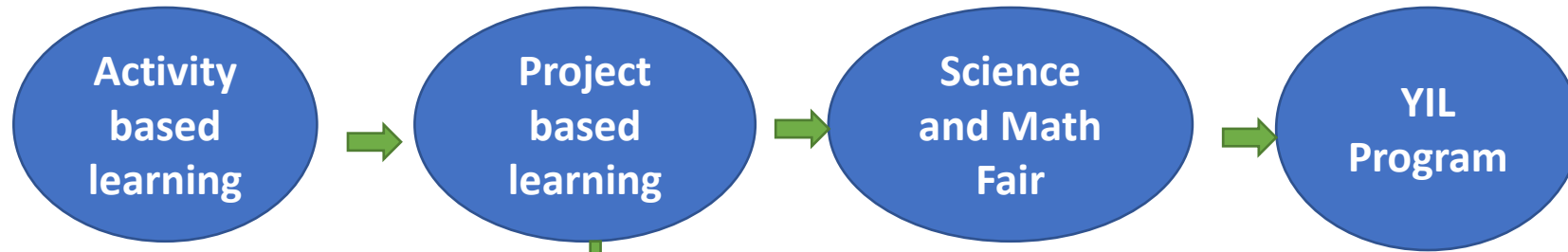


# Core Science Activity Centers (CSAC) supported by GOK





# Student centered Program



- Math lab
- Computer lab
- Ecology
- Robotics and mechanics





# Teacher Centered Programs

Make your  
own lab  
program

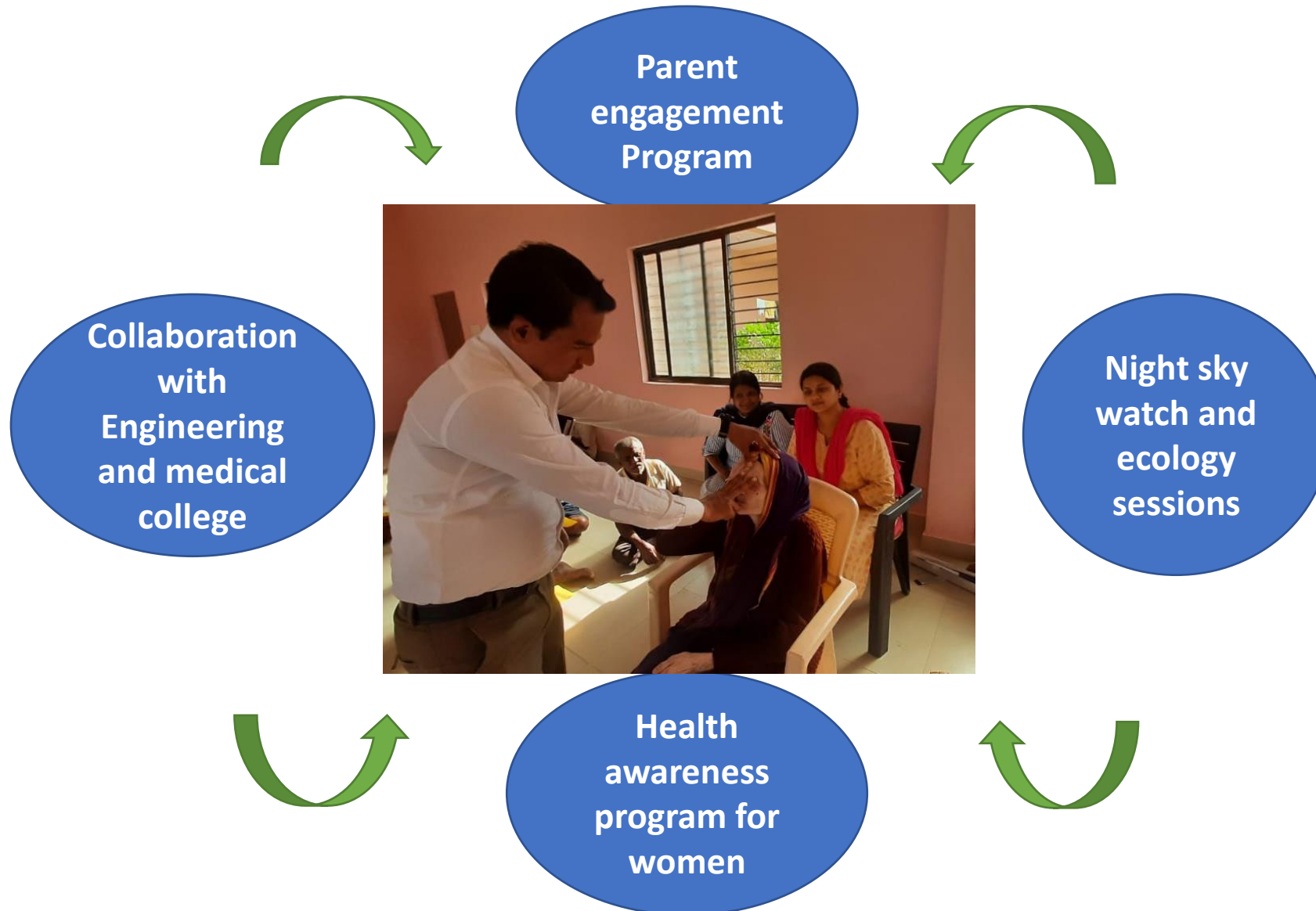
Model making  
session and  
competitions

Learning  
science  
through Open  
lab Sheets



Content based  
training in Math  
and Science

# Community Centered Programs





# Kalyana Karnataka

- CSAC center in Yadagiri covering 4360 unique students and Bidar covering 4800 unique students
- Mini innovation science centers covering 21500 unique students
- Trained 60 Maths teachers in Make your own lab program

## Special programs conducted

- Science learning kit distributed to 50 Govt high schools
- Online session for hostel students
- Peer to peer learning program
- Texas quiz program and Yadagiri Adarsh Vidyalaya school got 3<sup>rd</sup> prize in state level
- Acti learn distribution to 40000 students in the KK region
- Winter and summer camp
- Mothers meeting




# KARNATAKA REPORT – 2022-23

## Assessment Methodology

- Pre-test is done at the beginning of the year with minimum exposure levels (0-1)
- Post-test done at the end of the year or on the last session of Agastya for the year with maximum exposure level 7 to 8.
- Simple multiple choice questionnaires are created where the responses are mapped to either of the four parameters (awareness, curiosity, confidence, and science knowledge).
- Hard copy of the questionnaire is given to students to collect their responses. (during both Pre and Post)
- Data collection and scoring sheet is designed to automatically generate scores for each student on all the four parameters based on responses marked by the students in the questionnaire.

PROJECT # 1		
Schools	Program Covers	Sample Selection
School # 1	Class 6A, 6B, 6C, 7A, 7B, 7C, 8A, 8B, 8C	Class 6A, 6B
School # 2	Class 6A, 6B, 7A, 7B, 7C, 8A, 8B	Class 6A, 6B
School # 3	Class 6A, 6B, 8A, 8B	
School # 4	Class 6A, 7A, 7B, 8A, 8B	Class 6A
School # 5	Class 6A, 6B, 8A, 8B	Class 6A
School # 6	Class 6A, 6B, 7A, 7B	Class 6A
School # 7	Class 6A, 6B, 7A, 7B, 7C, 8A, 8B	



**Random Sampling**

- Statistically Significant
- Based on Unique students covered in the project
- 95% Confidence Level
- 4% Margin of Error

Sampling

## Assessment Parameters

**Awareness** - Knowledge of alternative experiential methods of learning and teaching science

**Curiosity** - Behavior characterized by exploration, investigation, observation, and a desire to learn more about new, incongruous, or unknown elements

**Confidence** - The ability to stand up and speak their mind, to develop a consciousness of their own ability and to demonstrate the same

**Subject Knowledge** - Understanding of the concepts & application of the same



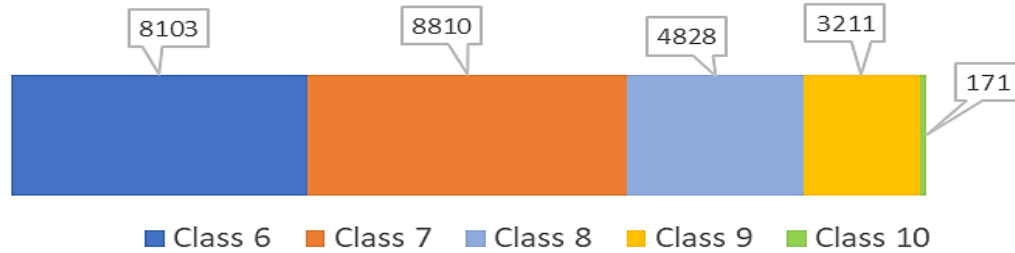
# KARNATAKA REPORT – 2022-23

GENDER WISE SAMPLE

Boys Girls

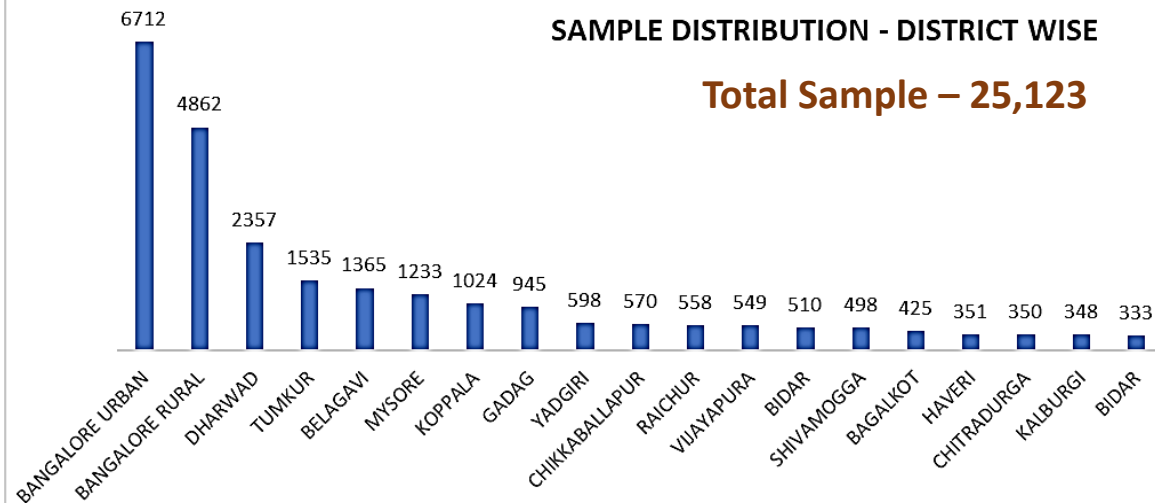


CLASS WISE SAMPLE DISTRIBUTION



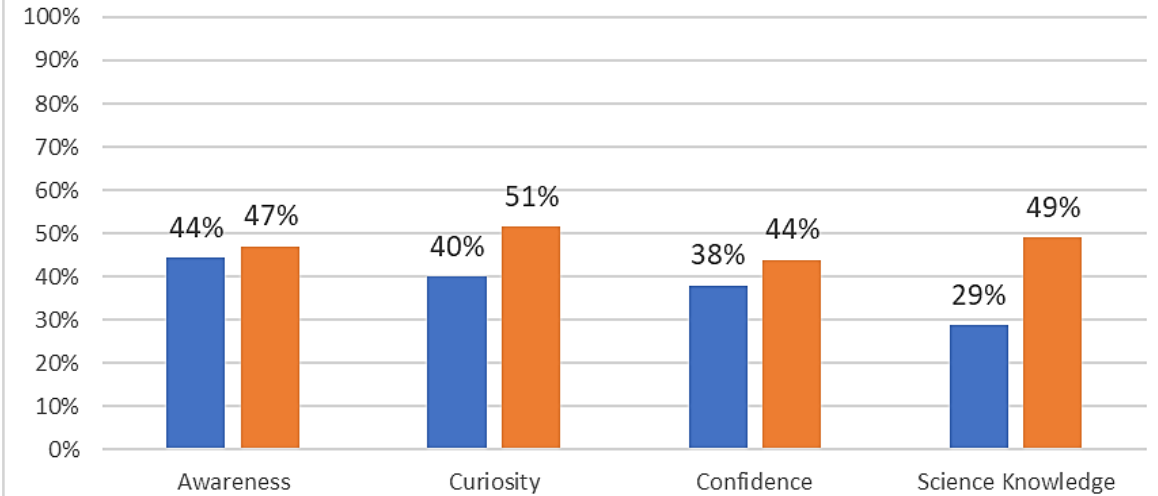
SAMPLE DISTRIBUTION - DISTRICT WISE

Total Sample – 25,123



Average % Score

Pre Post



**Awareness** – Absolute improvement is **3%**, Improvement over baseline is **6%**

**Curiosity** - Absolute improvement is **12%**, Improvement over baseline is **29%**

**Confidence**- Absolute improvement is **6%**, Improvement over baseline is **16%**

**Science Knowledge** - Absolute improvement is **20%**, Improvement over baseline is **70%**



**Sri Madhu Bangarappa Edu Minister Inaugurates  
Agastya Stall in Makkala Dasara @ Mysore**



**Sri Ritesh Singh IAS Edu secretary visit to Bidjapur CSAC**

**Thank You**