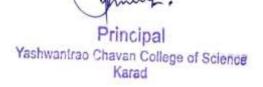
#### **BEST PRACTICES ACTIVITY REPORT 2023-24** Name of the Department: Statistics Activity Duration: Dec-2023 to Feb-2024 Name of the Experimental Learning for Students Using Case Study Approach Activity To connect student's academics to the real-life situations. Purpose of 2. To develop skill of data collection, analysis, interpretation among the Activity students. Title of the Study on "Availability, Consumption & Quality of Domestic Water at Saidapur and Banwadi Gram panchayat Region". Activity No. of 25 Students Involved 1. Mr. S. B. More **Teachers** 2. Miss. R. D. Patil Involved 3. Mr. O. D. Patil 1. Average consumption of water per month per family (in Liters) at Saidapur and Banwadi region are 21464 liters and 24779 liters respectively. Average consumption of water per person per day (in Liters) at Saidapur and Banwadi are 187.56 liters 184.9 liters respectively and its quite high. Families are highly satisfied about the quality of drinking water. Activity The results of the regression model of average consumption of water per outcomes month per. 5. Family shows that family size and Richness index are Statistically Significant. 6. Water cost per liter is very low and it is the main reason of high consumption and wastage of water. Activity Photo

Yashwantrao Chavan College of Science, Karad









# YASHWANTRAO CHAVAN COLLEGE OF SCIENCE KARAD

### Department of Statistics

## Availability, Consumption, and Quality of Domestic Water in My Locality

## Questionnaire

No. of Connections: ]  Location: Saidapur Banwadi				
1) How often do you experience water shortages in your area?				
ii) Frequently (ii) Sometimes (iii) Never				
2) Does the water supply decrease in summer? i) Yes ii) No				
3) What are your other resources other than Gram-panchayat water supply?				
ii) Yes () ii) No				
4) Lifting water through i Automatic ii) Motor				
5) How would you evaluate the quality of your drinking water?				
ii) Good <u>ii) Acceptable</u> iii) Not Acceptable				
6) Muddy in water?				
ii) High ii) Low iii) Not at all				
7) Are you using water purifier?				
Yes ii) No				
8) How many people live in your household?				
Total Men Women Children				
3   1				
9) What is the capacity of your water tank in Liters? (if more than one then adds)				
10) How many days does it lasts before you have to refill it again?				
11) Do you have an automatic system to cut of water supply after filling up the tank completely?				
12) No of Vehicles in your house? Two wheelers:				
13) How many times in a month do you wash your vehicles? ! weeks				
14) Garden/ Kundi Garden? (Observe) Yes				
15) Number of plants in garden (Observe it)?				
SmallMediumLarge				

16) Water gardening frequency?				
انني Daily ii) Weekly iii) Twice in a month				
17) What type of washrooms do you have ? i) Westernii) Indian				
18) Do you use Bathroom Shower? i) Yes ii) No				
19) Do you use washing machine? Yes ii) No				
20) Electricity bill per month(in Rs.)450				
21) How long does one gas cylinder last(in month)				
22) Water bill per month (in Rs.)				
23) Water consumption for the Year 2023. (From Gram panchayat Water Bill)				

Month	Consumption of water in (Liters)	Days they didn't used water	Reason for outliers
January	J 1533.		_
February			
March	1616.		
April			7
May	]- 1561		
June			7
July	] 2493		
August			
September	1558		
October			
November	J- 1156.		_
December			

Any	suggestions i) Purification of water.
iv)	

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**Data Collector**