"Dissemination of Education for Knowledge, Science and Culture"

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

# **Vivekanand College, Kolhapur (Autonomous)**

## "Social Outreach Activity"

### Report on

# Water Analysis at Rankala Lake, Kolhapur, Maharashtra, India

Organized by

Department of Physics and IQAC

On

Date: 20/05/2020

Submitted by

Head of the Department,

Department of Physics, Vivekanand College, Kolhapur (Autonomous)

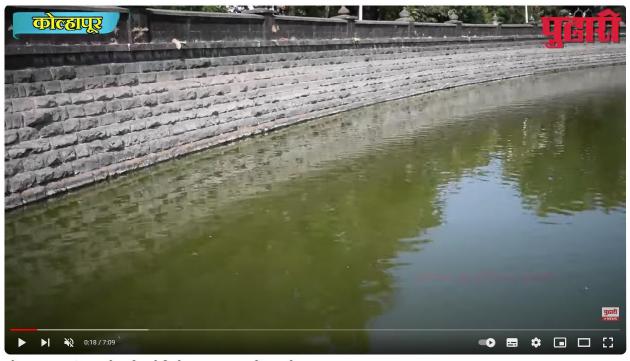
Submitted to

 $Internal\ Quality\ Assurance\ Cell\ (IQAC)$ 

Vivekanand College, Kolhapur (Autonomous)

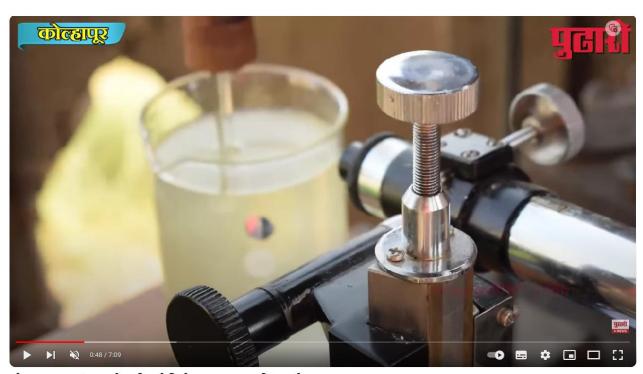
(2019 - 20)

### Photographs during Water Analysis at Rankala Lake



कोल्हापूर : सध्या रंकाळ्याचे पाणी झाले हिरवे...जाणून घ्या शास्त्रीय कारणे...





































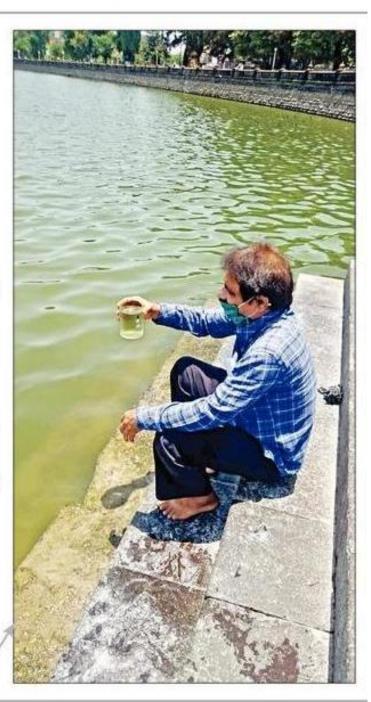




# रंकाळ्याचे धोकादायक हिरवे पाणी...

कोल्हापूर : पाण्यामध्ये क्लोरोफीनयुक्त शेवाळाचे प्रमाण वाढल्याने हानीकारक अलगल ब्लम्स शेवाळाची वाढ मोठ्या प्रमाणात होते. वातावरणात वाढलेले तापमान, पाण्याची कमी झालेली पातळी, पाण्यातील प्रदूषित घटकांची वाढ आणि प्रखर सूर्यप्रकाश या सर्व गोष्टींमुळे पाण्यामध्ये हिरव्या रंगाच्या शेवाळाची झपाट्याने वाढ होते. हे धोकादायक शेवाळ जलचर प्राण्यांच्या श्वसनासाठी अतिशय धोकादायक असतात. या सर्व गोष्टींचा सविस्तर अभ्यास झाल्यानंतर योग्य ते कारण समजेल, अशी माहिती प्रा. मिलिंद कारंजकर यांनी रंकाळा तलावातील हिरव्या पाण्याचे नमुने घेताना दिली.

(छाया : तय्यब अली)



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### **One Page Report**

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Shri Swami Vivekanand Shikshan Sanstha's

### Vivekanand College, Kolhapur (Autonomous)



#### **Department of Physics**

### One Page Report

Name of the Department	Department of Physics				
Name of the Activity	Water Analysis at Rankala Lake, Kolhapur, Maharashtra, India				
Date / Duration	20/05/2020 at 10.00 AM – 01 PM				
Aims and Objectives	To recognise the main sources of pollution which are contributing in lake and water quality analysis to ascertain the present pollution status of the lake and suggesting appropriate measures to maintain water quality of lake and lake conservation measures for future.				
No. of Beneficiaries	Teachers	Male	01	01	
	Teachers	Female	00	01	
	Students	Male	-	-	
		Female	-		
			Total 01		
Expenditure and Fundings	College Funds				
Brief Discussion	<ol> <li>Rankala Lake is situated in the heart of Kolhapur city of Maharashtra. The lake was earlier used for providing drinking water to Kolhapur city but now confined to irrigational and recreational use.</li> <li>Four nallas are contributing sewage to Rankala Lake thus heavily polluting the lake. Lake is turning green since 2011 because of the presence of these blue green algae.</li> </ol>				
	3) Through water analysis measurements, the extent of water pollution was confirmed.				
Outcomes	Washing of animals, clothes, vehicles, bathing activities, immersion of Ganesh idol and Nirmalya, disposal of remains of fast foods at Chaupati in lake, are also contributing pollution in the lake. It was partially confirmed through water analysis measurement.				



HoD, Physics

Head of the

Department of Physics

Vivekanand College, Kolhapur