



Accredited by NAAC & NBA\*  
**SVCE** BENGALURU  
SRI VENKATESHWARA COLLEGE OF ENGINEERING  
— Affiliated to VTU, Approved by AICTE, Recognised by UGC u/s 2(f) & 12(B) —



# AAVISHKAR

ODD SEM 2021-22



DEPARTMENT OF CIVIL ENGINEERING

NEWSLETTER

2021-22

## ABOUT THE DEPARTMENT

Civil Engineering Department was set up in 2004, has UG, PG and Ph.D. programmes with an intake of 60 students for UG and 18 students for PG. The department has 19 faculties belonging to various disciplines in the Civil Engineering field, including One Professor and Two Associate Professors and fifteen Assistant Professors. Department is accredited with NBA in the year 2019. The department has Research and Development Centre under VTU. We have membership of Indian Concrete Institute (ICI) and also have an MOU with top leading industries. The department has hosted a number of activities under student chapters of IEI, ICI and Forum (Civil Engineering Students Association).

## SPECIALIZATIONS OF THE DEPARTMENT

- Structural Engineering
- Geotechnical Engineering
- Environmental Engineering
- Water Resource Engineering
- Transportation Engineering
- Construction Technology
- Remote Sensing and Geographic Information System

“Education is what remains after one has forgotten what one has learned in school.”

– **Albert Einstein**

## VISION

“To emerge as an excellent department to impart quality education and research through effective teaching learning process and good infrastructure to produce competent Civil Engineers”

## MISSION

- ❖ M 1: Establishing State of art facilities to meet the needs of academics and research.
- ❖ M 2: Engaging the qualified and experienced faculty to disseminate the knowledge through effective teaching learning process.
- ❖ M 3: Provide rigors hands- on t raining on Civil Engineering software tools to build the competencies and skills among students and faculty.
- ❖ M 4: Establish center of excellence in specialized areas and topics of Civil Engineering.

“Education is the most powerful weapon which you can use to change the world.”

– **Nelson Mandela**

## PROGRAMME EDUCATIONAL OBJECTIVES

- ❖ PEO 1: Graduate will pursue a successful career in the field of civil engineering or related field, utilizing his/ her education and contribute to the profession as an excellent employee or an entrepreneur.
- ❖ PEO 2: Graduate will pursue higher studies and engage in applied research leading to innovations and enhancement in the quality of built environment.
- ❖ PEO 3: Graduate will be committed to life- long learning to update his/ her knowledge in field of Civil Engineering for best professional practice.
- ❖ PEO 4: Graduate will demonstrate high standard of professional ethics and communication skills and function effectively as an individual and team member in a multi- disciplinary environment.

## PROGRAMME SPECIFIC OUTCOMES

- ✓ PSO 1: Application of Civil Engineering concepts to solve Civil Engineering problems using modern tools and techniques.
- ✓ PSO 2: Identify and recommend alternative Engineering methods and materials for sustainable development

"Ultimately, education in its real sense is the pursuit of truth. It is an endless journey through knowledge and enlightenment."

**- APJ Abdul Kalam**

## FACULTY PUBLICATIONS

**Prof. Ahmed Ejaz  
Fazal**

- Stabilization of Residual Soil from Wastewater Treatment Plant by Using Bio-Engyme-27 Aug. 2021

**Prof. Ganesh V**

- Estimation and Analysis of Rainfall – Runoff for Urban Hydrology using TR-55 SCS –CN & GIS approach in Hebbal valley Bengaluru, south India .IJRTE, ISSN:2277-3878(online, vol. 10 issue -3, Sep. 2021)

## TEACHING FACULTY LIST



**Dr. LATHA M S**  
HOD, Civil Dept.



**Dr. CHANDRAMOULLY Y J**  
Associate Professor



**Dr. RAJESH C N**  
Associate Professor



**Dr. BALAMURUGAN**  
Associate Professor



**Mr. REVANNASIDAPPA M**  
Assistant Professor



**Mr. NAVEEN KUMAR B M**  
Assistant Professor



**Mrs. PRIYANKA S**  
Assistant Professor



**Mr. S ARAVINDAN**  
Assistant Professor



**Mr. CHANDRASEKHAR S Y**  
Assistant Professor



**Mr. ANILKUMAR M S**  
Assistant Professor



**Mr. MAHESH K V**  
Assistant Professor



**Mr. AHMED EJAZ FAZAL**  
Assistant Professor



**Mr. THYAGARAJ K J**  
Assistant Professor



**Mr. ABHISHEK S**  
Assistant Professor



**Mrs. VIJAYASHREE M**  
Assistant Professor



**Mrs. RAJASHRI  
MELANNAVAR**  
Assistant Professor



**Mrs. MALA N**  
Assistant Professor



**Mr. JOHN RAJ V**  
Assistant Professor



**Mr. GANESH V**  
Assistant Professor

## NON-TEACHING FACULTY LIST

Mr. Muniraja C V

Foreman

Mr. S Ravishankar

Lab-instructor

Mr. Pramod Kumar

Lab-instructor

Mr. Krishnamoorthi

Lab-instructor

Mr. Suryanarayana Gowda

Attender

## DEPARTMENT ACTIVITIES

### **FIVE DAYS WORKSHOP ON BASICS & APPLICATIONS OF ArcGIS (STUDENT DEVELOPMENT PROGRAMME) - 23<sup>RD</sup> NOV TO 27<sup>TH</sup> NOV 2021."**

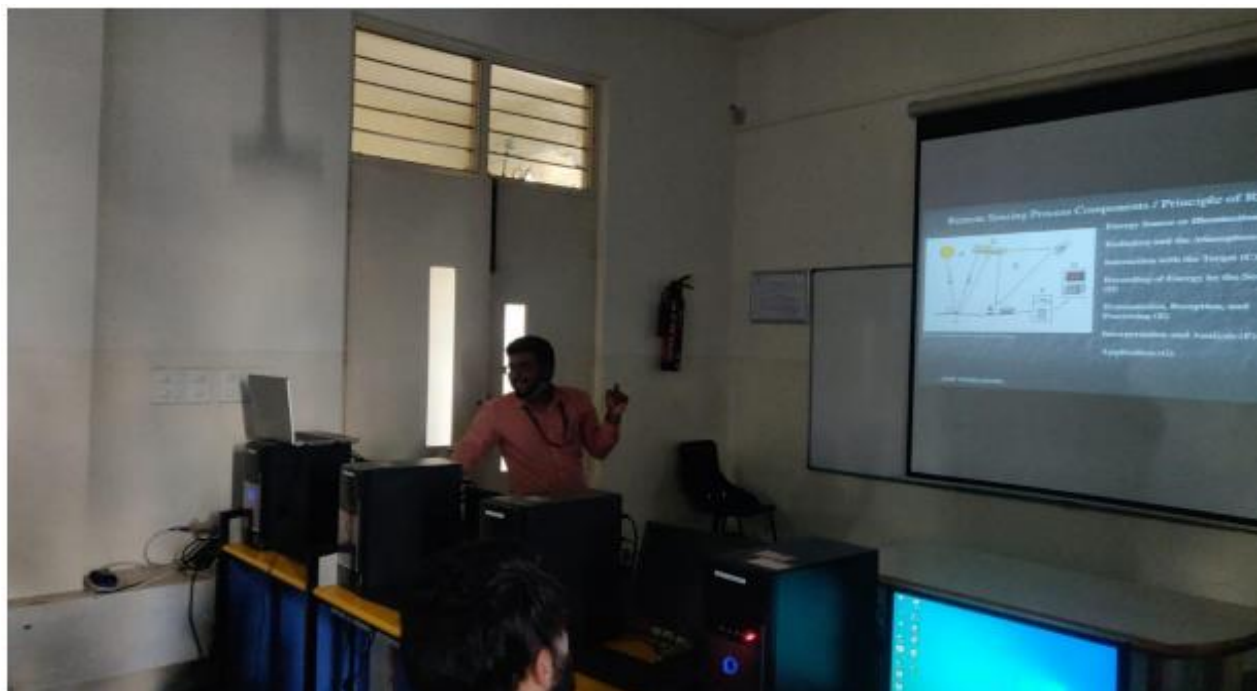
Department of Civil Engineering, Sri Venkateshwara College of Engineering, Bengaluru has organized “**Five Days Workshop on Basics & Applications of ArcGIS (Student development program)**” from 23rd Nov To 27th Nov 2021. Totally 83 participants attended in offline mode.

#### **RESOURCE PERSONS:**

**1. Mr. Ganesh V**  
Asst. Professor  
PI – ISRO, SVCE

**2. Mr. S ARAVINDAN**  
Asst. Professor  
CO-PI – ISRO, SVCE

**3. Mr. AJEY KUMAR V G**  
Junior Research Fellow  
ISRO, SVCE



*SESSION PHOTOS*





*SESSION PHOTOS*

**“INDUSTRIAL VISIT TO TUNGABHADRA DAM, HAMPI, DANDELI, SUPA DAM, GOKARNA & YANA CAVES (7 TH SEMESTER (2018-2022) - 16TH DECEMBER 2021 to 19TH DECEMBER 2021.”**

The 4 days industrial trip was organized by Department of Civil Engineering for 7th semester students from 16th Dec-19th Dec 2021. Totally 47 students involved in industrial trip.

**FACULTY CO-ORDINATOR'S**

1. Mr. Chandrashekhar S Y, Assistant Professor, SVCE
2. Mr. Anil Kumar M S, Assistant Professor, SVCE
3. Mr. THYAGARAJ K J, Assistant Professor, SVCE



*Industrial Trip Photo at Supa Dam*



*Industrial Trip Photo at Karnataka Power Corporation*



*Industrial Trip Photo*



*Industrial Trip Photo at TB Dam*



*Photo at Hampi*

**ONE DAY WEBINAR ON “CLIMATE CHANGE AND ITS IMPACT” & “URANIUM OCCURRENCE IN SHALLOW AQUIFERS IN KARNATAKA” - IN VIEW OF “NATIONAL POLLUTION DAY” CELEBRATION ON 18TH JANUARY 2021.**

In View of “National Pollution Day” Celebration One day Webinar on “Climate Change and its impact” & “Uranium occurrence in shallow aquifers in Karnataka” organized by Institution innovation Council (ICC), SVCE in association with on 18th January 2021. The main objectives of the climate change awareness campaign are, to improve awareness and understanding of climate change amongst citizens & to demonstrate that daily activities can collectively make a big difference and that each individual has a role to play in the fight against climate change. Totally 96 participants includes UG, PG students and faculties actively participated in this event made it successful.

**RESOURCE PERSONS**

1. Mr. S ARAVINDAN, Assistant Professor, Dept. of Civil Engineering, SVCE, Bengaluru.
2. Mr. ABHISHEK S, Assistant Professor, Dept. of Civil Engineering, SVCE, Bengaluru.

**EVENT CO-ORDINATOR’S**

4. Mr. Chandrashekar S Y, Assistant Professor
5. Mr. Thyagaraj K J, Assistant Professor
6. Mr. Anil Kumar M S, Assistant Professor

IIC-Cell, SVCE in association with Department of Civil Engineering  
In View of "National Pollution Day" Celebrations Hosting a  
**Webinar on**  
**Climate Change and it's Impact**

**Resource Person**  
**Prof. ARAVINDAN S**  
Assistant Professor, Dept. of Civil, SVCE, Bengaluru

**Chief Patron**  
**Dr. Shashidhar Muniyappa**  
Chief Executive Director, SVGI

**Coordinator(s)**  
Prof. Chandrashekar S Y  
AP, Dept. of CV  
Prof. Anil Kumar M S  
AP, Dept. of CV  
Prof. Thyagaraj K J  
AP, Dept. of CV

**Patron**  
**Dr. Nageswara Gupta M**  
Principal, SVCE

**IIC Convener**  
**Dr. Nirmala S Gupta**  
Prof & HoD, Dept. of CSE-AI, SVCE

18/01/22  
03:00 PM  
Onwards

INSTITUTION'S INNOVATION COUNCIL  
(Ministry of Education Initiative)

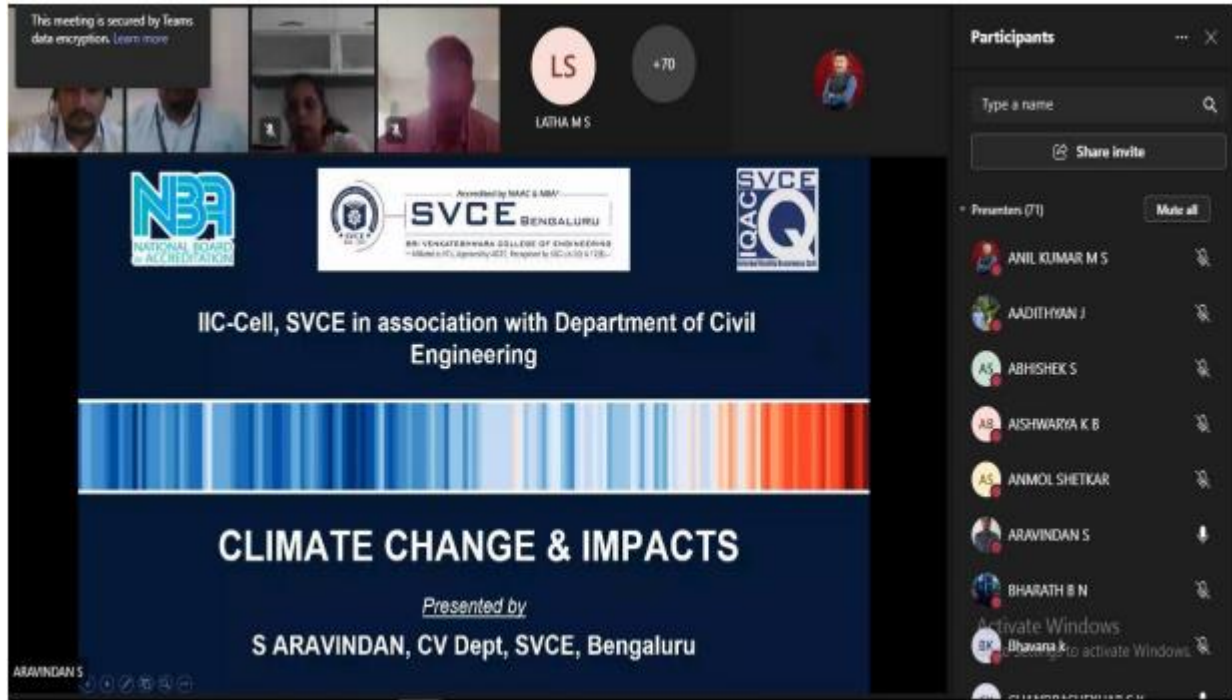
QS I-GAUGE  
INDIAN UNIVERSITY RATING  
GOLD

E-LEAD  
ACCREDITED

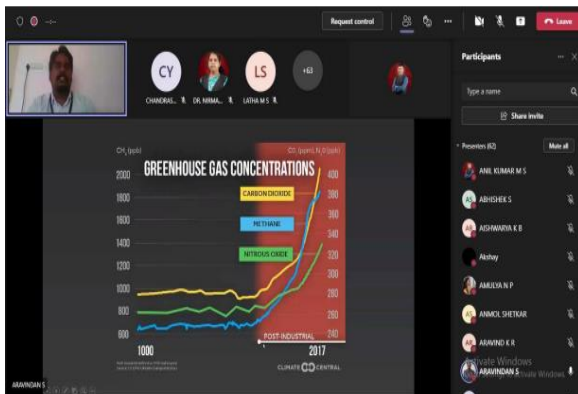
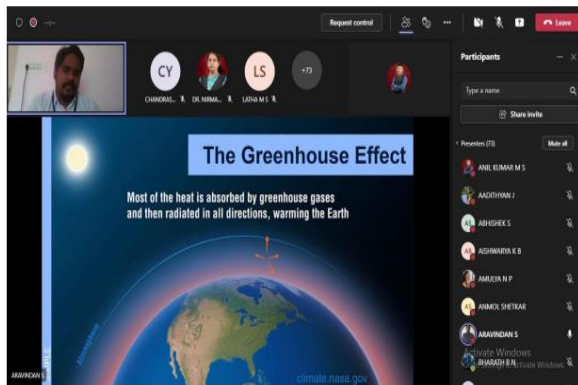
ARIIA  
ATAL RANKING OF INSTITUTIONS  
ON INNOVATION ACHIEVEMENTS

The screenshot shows a Zoom meeting window titled "Meeting in 'General'". The main content area displays the same webinar poster as above. On the right side, there is a grid of video thumbnails for participants. At the bottom, the Windows taskbar is visible, showing the search bar and system tray with the date 18-01-2022 and time 15:03.

Inauguration photo by Guest of Honor Mr.S Aravindan & Mr. Abhishek S



Keynote Address by Mr.S Aravindan, Assistant Professor, Dept. of Civil Engineering



Session:-1 by Mr.S Aravindan, Assistant Professor, Dept. of Civil Engineering, SVCE

This screenshot shows a Zoom meeting interface with a presentation slide comparing two climate scenarios: 1.5°C (2.7°F) and 2°C (3.6°F). The slide is divided into four categories: Sea Level Rise, Ecosystems, Extreme Weather, and Arctic Ice. The 1.5°C scenario shows a sea level rise of 8.5-30 inches by 2100, while the 2°C scenario shows an additional 4 inches of rise. Both scenarios predict a loss of coral reefs and exposure of urban areas to severe drought, but the 2°C scenario predicts a much faster loss of Arctic ice.

Scenario	Temperature	Sea Level Rise	Ecosystems	Extreme Weather	Arctic Ice
1.5°C (2.7°F)	1.5°C (2.7°F)	8.5-30 inches of sea level rise by 2100	Loss of 70-90% of coral reefs	350 million people in urban areas exposed to severe drought	At least one sea-ice-free Arctic summer after 100 yrs
2°C (3.6°F)	2°C (3.6°F)	Additional 4 inches of sea level rise and 10.4 million more people exposed	Loss of 99% of coral reefs	410 million people in urban areas exposed to severe drought	At least one sea-ice-free Arctic summer after 10 yrs

This screenshot shows a Zoom meeting interface with a presentation slide titled "We Need to Make Big Cuts, Fast". The slide features a graph of CO<sub>2</sub> emissions from the past to 2100. The graph shows a sharp increase in emissions from the past to today, and a projected continued increase to +4°C by 2100 if emissions continue. A green arrow labeled "Emission cuts" points to a path that would result in a +1.5°C temperature rise by 2100.

Session:-1 by Mr.S Aravindan, Assistant Professor, Dept. of Civil Engineering, SVCE





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**IIC-Cell, SVCE in association with Department of Civil Engineering**  
As part of the " National Pollution Day " Celebrations Hosting a  
**Webinar on**

**Uranium Occurrence in Shallow Aquifers in Karnataka**

**18/01/22**  
**03:30 PM**  
**Onwards**

**Resource Person**  
**Prof. ABHISHEK S**  
Assistant Professor, Dept. of Civil, SVCE, Bengaluru

**Chief Patron & IIC President**  
**Dr. Shashidhar Muniyappa**  
Chief Executive Director, SVGI

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Prof. Anil Kumar M S  
AP, Dept. of CV

Prof. Thyagaraj K J  
AP, Dept. of CV

**Patron & IIC Vice-President**  
**Dr. Nageswara Guptha M**  
Principal, SVCE

**IIC-Convener**  
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Prof & HoD, Dept. of CSE-AI, SVCE

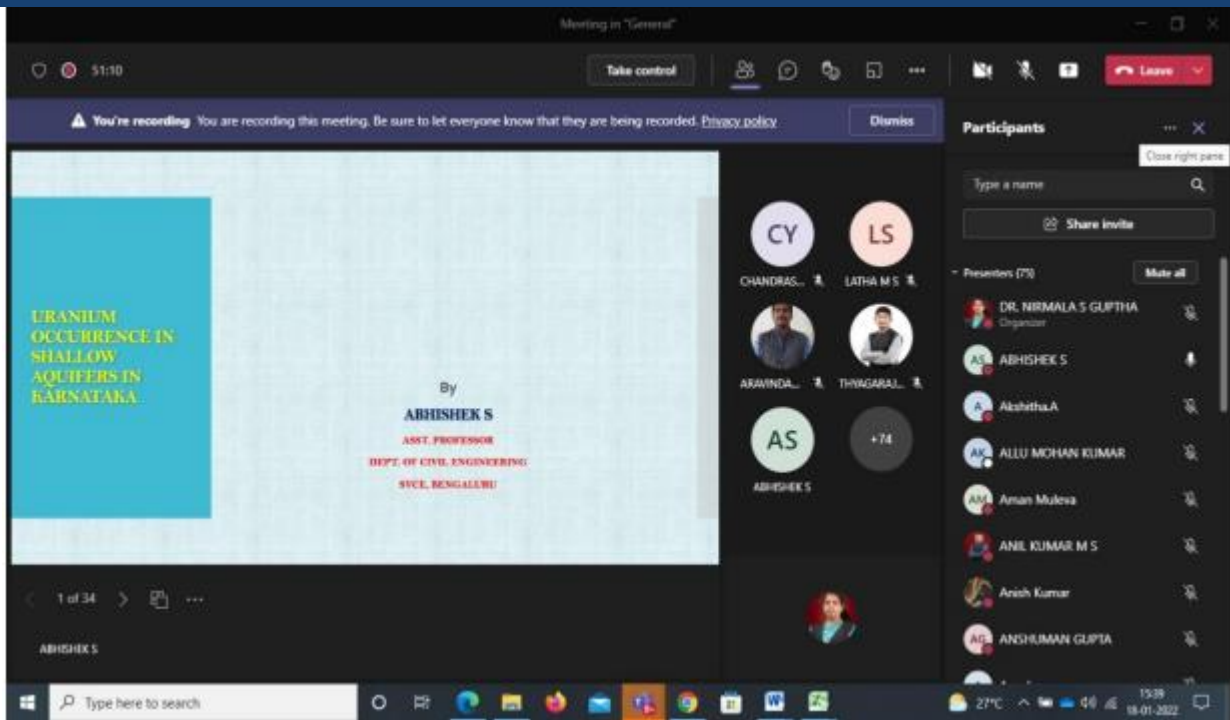
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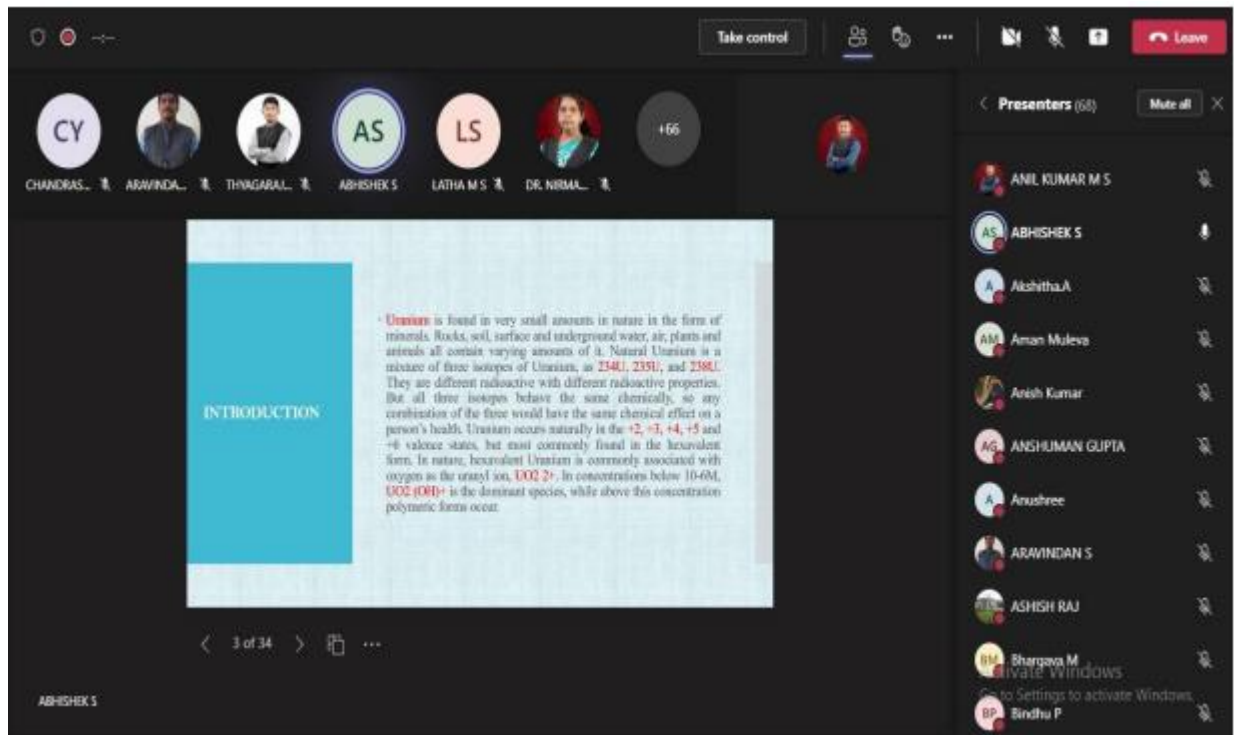





Session:-2 by Mr. Abhishek S, Assistant Professor, Dept. of Civil Engineering, SVCE



Keynote Address by Mr. Abhishek S, Assistant Professor, Dept. of Civil Engineering, SVCE




Session:-2 by Mr. Abhishek S, Assistant Professor, Dept. of Civil Engineering, SVCE

Take control

Presenters (55)

AS ABHISHEK S  
DR. NIRMA  
ARAVINDA  
CHANDRAS...  
LATHA M S  
THYAGABAL...

HEALTH EFFECTS



High levels of uranium in food and drinking water can lead to severe health effects like:

- It causes Nephritis (kidney damage).
- It can cause deformity of bones and liver
- It can cause thyroid cancer, blood cancer, depression and other serious ailments etc.

15 of 34

ABHISHEK S

ANIL KUMAR M S  
ABHISHEK S  
Akshitha.A  
Aman Muleva  
Anish Kumar  
ANSHUMAN GUPTA  
Anushree  
ARAVINDAN S  
Bindhu P  
BOJJA AASHIRITHA  
CHANDRASHEKHAR S Y

Take control

Presenters (52)

AS ABHISHEK S  
DR. NIRMA  
ARAVINDA  
CHANDRAS...  
LATHA M S  
THYAGABAL...

URANIUM DISTRIBUTION IN GROUNDWATER IN INDIA

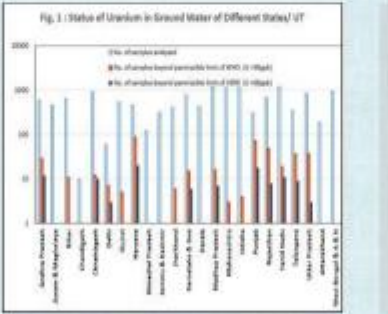


Fig. 1. Status of Uranium in Groundwater of Different States/ UT

21 of 34

ABHISHEK S

ANIL KUMAR M S  
ABHISHEK S  
Akshitha.A  
Aman Muleva  
Anish Kumar  
ANSHUMAN GUPTA  
Anushree  
ARAVINDAN S  
ASHISH RAJ  
Bindhu P  
BOJJA AASHIRITHA

Session:-2 by Mr. Abhishek S, Assistant Professor, Dept. of Civil Engineering, SVCE

The screenshot shows a Zoom meeting interface. At the top, there are icons for 'Take control', a list of participants, and a 'Leave' button. Below the icons, a row of participant avatars is visible, including 'AS', 'DR. NIRMA...', 'ARAVINDA...', 'CHANDRAS...', 'LATHA M S', and 'THIRUGARAL...'. The main content area displays a presentation slide with the following text:

**URANIUM IN GROUNDWATER OF KARNATAKA**

The soil-water and rock-water interactions play a major role in determining the chemical composition of water. Regional gamma-ray spectrometric studies indicate a higher abundance of uranium in gneisses (a type of rock) and granitoids (category of rock) of Eastern Dharwar Craton compared to those in Western Dharwar Craton.

Further, the soils in the eastern part of Karnataka being red loams with laterite at places, indicate a higher degree of oxidation during weathering. Oxidation of uranium to uranyl ion is promoted by such a weathering process.

At the bottom of the slide, it says '25 of 34'. On the right side, there is a 'Presenters (49)' list with names like ANIL KUMAR M S, ABHISHEK S, Akshitha.A, Aman Muleva, Anish Kumar, ANSHUMAN GUPTA, Anushree, ARAVINDAN S, Bindhu P, BOJJA AASHRITHA, and CHANDRASHEKHAR S Y.

*Session:-2 by Mr. Abhishek S, Assistant Professor, Dept. of Civil Engineering, SVCE*

## DEPARTMENT CLUB ACTIVITIES

### 1. TECHNICAL CLUB – IGNITE CLUB

### 2. NON- TECHNICAL CLUB – PRAKRUTHI CLUB

The following are the activities conducted under the above club activities:

1. Green building – group discussion on 15<sup>th</sup> Dec. 2021.
2. Poster presentation on Sustainable Construction on 22<sup>th</sup> Dec. 2021.
3. Students talk on various environmental pollutions on 29<sup>th</sup> Dec. 2021.
4. Talk on Uranium occurrence in shallow level Aquifers especial in Karnataka on 5th Jan. 2022.

### CLUB ACTIVITY CO-ORDINATOR'S

1. Prof. Ahmed Ejaz Fazal, Asst. Professor, Dept. of Civil Engineering.
2. Prof. Mahesh K M, Asst. Professor, Dept. of Civil Engineering.
3. Prof. Abhishek S, Asst. Professor, Dept. of Civil Engineering.



*Club Activity Photos*



*Club Activity Photos*



*Club Activity Photos*