

# Andhra Christian College::Guntur

## Department of Chemistry

### Report on Workshop: Water Quality Analysis

#### Event Details:

- **Title:** Water Quality Analysis Workshop
  - **Date:** 12th July 2022
  - **Time:** 11:00 AM
  - **Venue:** Andhra Christian College, Guntur
  - **Department:** Chemistry
  - **Resource Person:** Dr. Uma Maheswara Rao, Head, Department of Chemistry, Hindu College, Guntur
  - **Participants:** Faculty of the Department of Chemistry and B.Sc. students
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#### Objectives of the Workshop:

1. **Educational Enhancement:** To provide students with a practical understanding of water quality analysis and its significance in environmental chemistry.
  2. **Skill Development:** To equip students with hands-on experience in using various analytical techniques and instruments for assessing water quality.
  3. **Awareness:** To raise awareness about the importance of water quality monitoring and its impact on public health and the environment.
  4. **Research Orientation:** To inspire students to take up research projects related to water quality and environmental protection.
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#### Workshop Proceedings:

The workshop commenced with a welcome address by the Head of the Department of Chemistry, Andhra Christian College, emphasizing the importance of water quality analysis in today's context.

Introduction of the resource person, Dr. Uma Maheswara Rao, highlighting his expertise and contributions to the field of Chemistry.

#### Lecture by Dr. Uma Maheswara Rao:

Dr. Uma Maheswara Rao delivered an informative lecture on the principles and methods of water quality analysis.

He discussed various parameters of water quality, including pH, dissolved oxygen, turbidity, hardness, and the presence of contaminants such as heavy metals and microbial pathogens.

### **Demonstration:**

Dr. Uma Maheswara Rao demonstrated the use of analytical instruments such as spectrophotometers, pH meters, and titration setups.

He showcased the procedures for collecting water samples, preparing them for analysis, and interpreting the results.

### **Practical Session:**

Students participated in hands-on activities, performing water quality tests under the guidance of faculty members and Dr. Uma Maheswara Rao.

They learned to handle and calibrate equipment, conduct tests accurately, and record data systematically.

### **Interactive Q&A:**

An interactive session followed, where students had the opportunity to ask questions and discuss their observations and challenges with Dr. Rao and the faculty.

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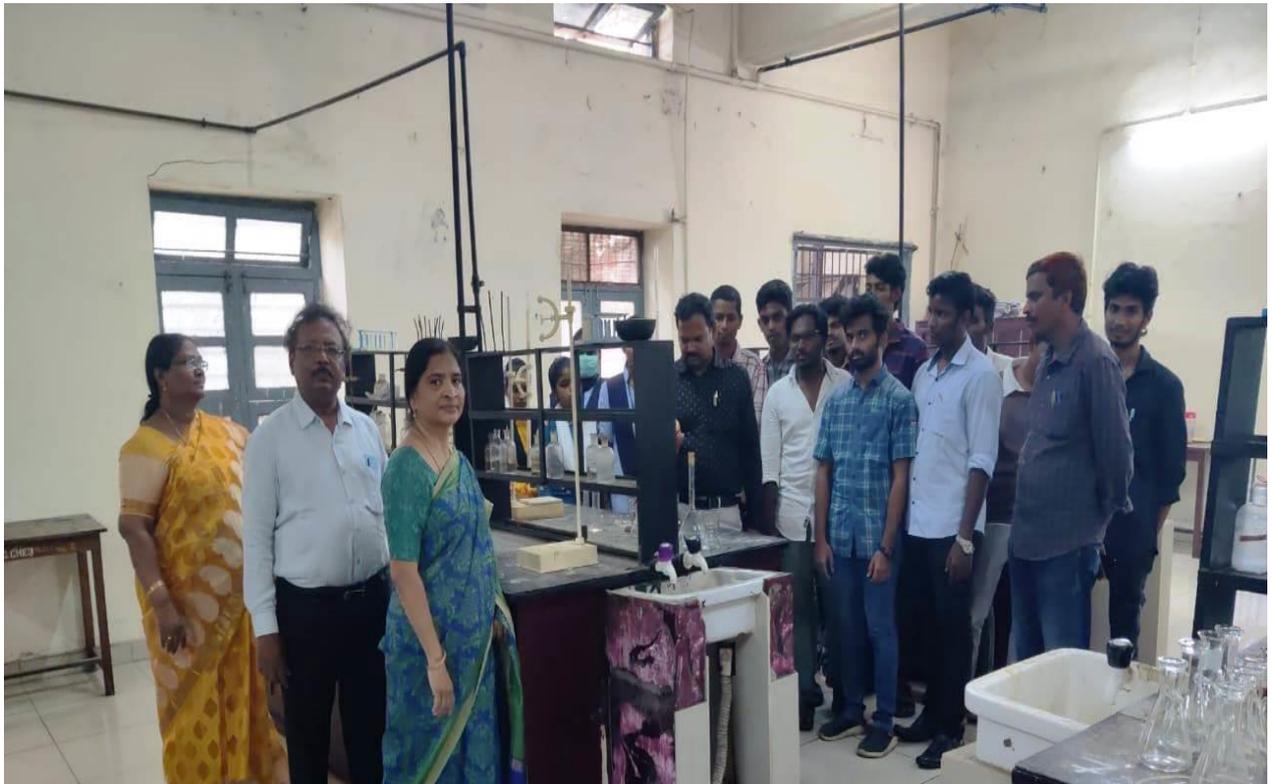
### **Outcomes of the Workshop:**

1. **Enhanced Knowledge:** Students gained a comprehensive understanding of water quality parameters and the methods used to analyze them.
2. **Practical Skills:** Participants developed practical skills in using analytical instruments and conducting water quality tests.
3. **Awareness:** The workshop heightened awareness about the critical role of water quality in maintaining public health and ecological balance.
4. **Research Initiatives:** Several students expressed interest in pursuing research projects related to water quality, indicating the workshop's success in motivating them toward scientific inquiry.
5. **Networking:** The event facilitated networking among students, faculty, and the resource person, fostering potential collaborations for future projects.

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### **Conclusion:**

The workshop on Water Quality Analysis was a significant educational event that successfully met its objectives. The participation and enthusiasm of the students and the insightful guidance provided by Dr. Uma Maheswara Rao made the workshop an enriching experience. The Department of Chemistry at Andhra Christian College looks forward to organizing more such workshops to continue enhancing the educational journey of its students.



S.No Y <sub>21</sub>	Class No.	Name of the student	Signature of the student
1.	601	Sk.Nazeera	sk. Nazeera
2.	604	Y. Naga Bhargavi	y. Naga Bhargavi
3.	606	SK.Naseema	sk. naseema
4.	607	K. Madhu Kumar	K. madhu kumar.
5.	608	T. Jeeva Saranu	T. Jeeva Saranu.
6.	609	B. Varalakshmi	B. varalakshmi
7.	610	Ch. Daiva Prasad	ch. Daiva Prasad.
8.	614	K. Charan	K. Charan
9.	616	Md. Sultan Sharif	Md. Sultan Sharif
10.	617	D Prasanna Babu	D. prasanna babu
11.	901	P. Venkateswarlu	P. venkateswarlu.
12.	902	J. Pallavi	J. Pallavi
13.	903	E. Gopi	E. Gopi
14.	904	R. Gopi Raj	R. Gopi Raj
15.	905	M. Subhash	M. Subhash
16.	908	K. Ammulu	K. Ammulu.
17.	910	Balaji Naik	Balaji Naik
18.	911	T. Vivek	T. vivek
19.	912	K. Joel Paul Samuel	K. joel paul samuel.
20.	913	A. Keerthana	A. keerthana.

HEAD, CHEMISTRY DEPARTMENT  
A.C. COLLEGE, GUNTUR.

ANDHRA CHRISTIAN COLLEGE, GUNTUR  
DEPARTMENT OF CHEMISTRY

List of Students Attended The Workshop

Date: 12- 07- 2022

Classes I,II and III B,Sc (M.P.C. & C.B.Z.)

S.No.	Roll No. (Y <sub>22</sub> )	Name of the Student	Signature of the Student
1	602	J. Haveela	J. Haveela.
2	603	K.Hemanth	K. Hemanth.
3	604	Sk.Shaheena	Sk. Shaheena.
4	605	S.Rani	S. Rani
5	606	A.Ravi Teja	A. Ravi Teja.
6	607	G.Ganesh	G. Ganesh.
7	609	M.Keerthi	M. Keerthi
8	610	D.Yesu Babu	D. Yesu Babu.
9	611	E.Sreekanth	E. Sreekanth.
10	902	O.Keerthi	O. Keerthi
11	903	A.Malathi	A. Malathi
12	904	M.Veda Sree	M. Veda Sree
13	906	M.Omnadh	M. OMNATH
14	909	K.Babu	K. Babu.
15	910	N.Prasanna Kumar	N. Prasanna Kumar
16	911	B.Rani	B. Rani

HEAD, CHEMISTRY DEPARTMENT  
A.C. COLLEGE, GUNTUR.

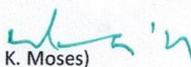
ANDHRA CHRISTIAN COLLEGE, GUNTUR  
(Day, Evening and PG)

NOTICE

Date:11-07-2022

This is to inform you that there will be a workshop on water quality analysis tomorrow i.e, 12<sup>th</sup> July 2022, conducted by Chemistry Department at 11.00 AM. Dr. Uma Maheswar Rao, HOD of Chemistry, Hindu College, will attend the workshop.

All the students of B.Sc (M.P.C. and CBZ) are asked to attend the programme without fail.

  
(Dr. K. Moses)

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ANDHRA CHRISTIAN COLLEGE  
(Day, Evening & P.G)  
GUNTUR

Copy to:

1. The coordinator, IQAC, Andhra Christian College.
2. The office manager, Andhra Christian College.

