



**Adusumilli Gopalakrishnaiah & Sugarcane Growers
Siddhartha Degree College of Arts and Science**

Autonomous College

NAAC 'A' Grade College

Vuyyuru, Krishna (Dt), Andhra Pradesh-521165

VALUE ADDED COURSE

TITLE: WATER ANALYSIS

VAC CODE: CHE-WA-01

On 1st AUG, 2022 TO 31th AUG 2022

Duration of the Course: 30Days

Organized By

Department of Chemistry



“WATER ANALYSIS”

Objectives:

- INTRODUCTION
- WATER QUALITY PARAMETERS
- BIO CHEMICAL OXYGEN DEMAND (BOD), CHEMICAL OXYGEN DEMAND (COD)& DISSOLVED OXYGEN
- HARDNESS CLASSIFICATION OF WATER
- PHYSICAL PARAMETERS
- CHEMICAL PARAMETERS
- ANALYSIS OF TURBIDIMETRY
- CATION MEASUREMENTS
- ANION MEASUREMENTS

Methodology :

Teaching and Learning Methods

Duration: 30 Days

A.G. & S.G. Siddhartha Degree College of Arts & Science
Vuyyuru-521165, Krishna District, Andhra Pradesh

Value Added Course

Title: "WATER ANALYSIS"

Date: 01/08/2022 TO 31/08/2022

Date	Content	Module No
01/08/2022 TO 10/08/2022	Introduction	I
11/08/2022 TO 17/08/2022	Water quality parameters	II
18/08/2022 TO 24/08/2022	Physical Parameters & Chemical parameters	III
25/08/2022 TO 31/08/2022	Instrumentation	IV

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Value added Course

Title: "WATER ANALYSIS"

Student Enrolment Sheet

Class: I B.Sc (M C Cs)

S. No	Roll No.	Name of the Student	Signature
1	1953701	Abdul Kareem	Abdul Kareem
2	1953702	B.Durga Praveen	B.Durga Praveen
3	1953703	Abdul Rehana	Abdul Rehana
4	1953704	G.Surendra babu	G.Surendra babu
5	1953705	K.Veera Praveen	K.Veera Praveen
6	1953706	M.N.Jagadeesh	M.N.Jagadeesh
7	1953707	P.Deepika	P.Deepika
8	1953708	V.Akhila	V.Akhila
9	1953709	K.Bala Souri	K.Bala Souri
10	1953710	S.srinivas	S.Srinivas
11	1953711	V.V.V.S.S.Naga babu	V.V.V.S.S.Naga Babu
12	1953712	O.Neeraja	O.Neeraja
13	1953713	P.Mahesh babu	P.Mahesh babu
14	1953714	P.Nithish	P.Nithish
15	1953715	Md.Noor bhasha	Md.Noor Basha

M. Saethi
Signature of the Lecturer

K. Roenu
Signature of the H.O.D

Value Added Course

Title: “WATER ANALYSIS”

Test Exercise:

1. Turbidity in water is due to-----
2. Activated carbon is used in water treatment for-----
3. The maximum permissible limit for fluoride in drinking water is-----
4. Mathew moglobinemia disease in infants is caused due to-----
5. Blue baby disease found in infants is due to excessive _____ in drinking water.
6. Which of the following method is used to forecast the population of old and very large city-----
7. A 25 ml sample was diluted to 250 ml with odorless distilled water so that the odor of the sample no longer perceivable. What was the Threshold odor number.-----
8. Which of the following is the latest Indian standard code provides specifications for drinking water?
9. Which one of the following is the most important parameter for the removal of discrete particles in the design of continuous flow rectangular sedimentation tank?
10. As per I.S.10500, the acceptable limit for chlorides in mg/l in drinking water is-----

Value Added Course

Title: "WATER ANALYSIS"

Key:

1. Colloidal particles
2. Removing odour
3. 1.5mg/ Litre
4. Nitrates
5. Nitrates
6. Arithmetical increase method
7. 10
8. IS 10500 : 2012
9. Surface overflow rate
10. 250 mg/l

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Department of Chemistry

Value added Course

Title: "WATER ANALYSIS"

Marks List

Class:II B.Sc (MPC TM)

S. No	Roll No.	Name of the Student	Marks
1	1953701	Abdul Kareem	10
2	1953702	B.Durga Praveen	10
3	1953703	Abdul Rehana	10
4	1953704	G.Surendra babu	9
5	1953705	K.Veera Praveen	9
6	1953706	M.N.Jagadeesh	10
7	1953707	P.Deepika	10
8	1953708	V.Akhila	10
9	1953709	K.Bala Souri	9
10	1953710	S.srinivas	8
11	1953711	V.V.V.S.S.Naga babu	10
12	1953712	O.Neeraja	10
13	1953713	P.Mahesh babu	9
14	1953714	P.Nithish	10
15	1953715	Md.Noor bhasha	8


Signature of the Lecturer


Signature of the H.O.D

A.G. & S.G. Siddhartha Degree College of Arts & Science
Vuyyuru-521165, Krishna District, Andhra Pradesh

Department of Chemistry

Value added Course

Title: "WATER ANALYSIS"

Feed Back Form

Name of the Student: P. Nithish

Class and Roll Number: MCS 1 year 19-714

1. Is the programme interested to you (Yes/No)
2. Have you attended all the session (Yes/No)
3. Is the content of the program is adequate (Yes/No)
4. Have the teacher covered the entire syllabus? (Yes/No)
5. Is the number of hours adequate? (Yes/No)
6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the program? (Yes/No)
7. On the whole, is the program useful in terms of enriching your knowledge? (Yes/No)
8. Do you have any suggestions on the program? (Yes/No)

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Department of Chemistry

M. d Noor Basha

Value added Course

18th M.C.C 19.7.15

Title: "WATER ANALYSIS"

Feed Back Form

Name of the Student:

Class and Roll Number:

1. Is the programme interested to you (Yes/No)
2. Have you attended all the session (Yes/No)
3. Is the content of the program is adequate (Yes/No)
4. Have the teacher covered the entire syllabus? (Yes/No)
5. Is the number of hours adequate? (Yes/No)
6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the program? (Yes/No)
7. On the whole, is the program useful in terms of enriching your knowledge? (Yes/No)
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A.G. & S.G. Siddhartha Degree College of Arts & Science

Vuyyuru-521165, Krishna District, Andhra Pradesh

Value Added Course

- Attendance Register

Class/Section: **MCCS**

Year: **2021-22** Department of: **Chemistry**

Paper:

Lecturer: **M.Santhi**

Student Name	Sl.No	Roll No	4	5	6	7	8	Student Name	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
	1	1953701						Abdul Kareem					P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	
	2	1953702						B. Durga Praveen					P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	
	3	1953703						Abdul Raheena					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	4	1953704						G. Surendra Babu					P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	
	5	1953705						K. Veera Praveen					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	6	1953706						M.N. Jagadeesh					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	7	1953707						P. Deepika					P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	
	8	1953708						V. Akhila					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	9	1953709						K. Bala Souri					P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	
	10	1953710						S. Srinivas					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	11	1953711						V.V.V.S.S. Naga Babu					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	12	1953712						O. Neeraja					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	13	1953713						P. Mahesh Babu					P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	
	14	1953714						P. Nitish					P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	
	15	1953715						Md. Noor Basha					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	

Signature of the Lecturer: *M. Santhi*

Signature of the HOD: *K. Ramesh*

A.G. & S.G. Siddhartha Degree College of Arts & Science

Vuyyuru-521165, Krishna District, Andhra Pradesh

Course / Certificate Course **Value Added Course**

- Attendance Register

Class / Section: **MCCS**

Year: **2021-22**

Department of: **Chemistry**

Paper:

Lecturer: **M.Sanathi**

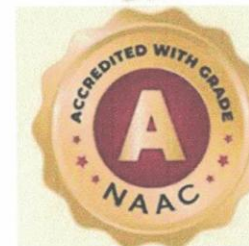
Sl.No	Roll No	18	19	20	21	Student Name	25	26	27	28	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total	
1	1953701					Abdul Kareem					P	P	P	P	A	P	P	P	P	P	P	P	P	P	P		
2	1953702					B. Durga Praveen					P	P	P	P	P	A	P	P	P	P	P	P	P	P	P		
3	1953703					Abdul Raheena					P	P	P	P	P	P	A	P	P	P	P	P	P	P	P		
4	1953704					G. Surendra babu					P	P	P	P	P	P	P	A	P	P	P	P	P	P	P		
5	1953705					k. Veera Praveen					P	P	P	P	P	P	P	P	P	P	A	P	P	P	P		
6	1953706					M. N. Jagadeesh					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
7	1953707					P. Deepika					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
8	1953708					V. Akhila					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
9	1953709					K. Bala Souri					P	P	P	P	A	P	P	P	P	P	P	A	P	P	P		
10	1953710					S. Srinivas					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
11	1953711					V.V.V.S.S. Naga Babu					P	P	A	P	P	P	P	P	P	P	P	P	P	P	P		
12	1953712					O. Neeraja					P	P	P	P	P	A	P	P	P	P	P	P	P	P	P		
13	1953713					P. Mahesh babu					P	P	P	P	P	P	P	P	P	P	P	P	A	P	P		
14	1953714					P. Nithish					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
15	1953715					M.d. Noor Basha.					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		

M. Sanathi
Signature of the Lecturer

R. Kumar
Signature of the HOD



**ADUSUMILLI GOPALAKRISHNAIAH AND SUGARCANE GROWERS
SIDDHARTHA DEGREE COLLEGE OF ARTS AND SCIENCE,
(AUTONOMOUS) VUYYURU A.P
(Accredited at "A" level by NAAC, Bengaluru)**



Department of Chemistry

VALUE ADDED COURSE: Water Analysis

CERTIFICATE

This is to Certify that .

Son/Daughter of Shri/Smt

has Successfully completed value added course in **Water Analysis Conducted by the Department of Chemistry
from 01-08-2022 to 31-08-2022 We wish him her bright future**

M. Sautthi
Co-ordinator

K. Renuka
Head of Department

Allyant
PRINCIPAL
**AG & SG Siddhartha Degree College of
Arts & Science (Autonomous), Vuyyuru**