

SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S

SCIENCE COLLEGE

CONGRESS NAGAR, NAGPUR - 12



DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE IN ENVIRONMENTAL AND WATER MANAGEMENT

2018-19



Course Duration

: 6 Weeks

Course Fee

: ₹ 1000

Seats

: 20

Eligibility: Students Of

B.Sc Sem I/

Sem III

COURSE CO-ORDINATOR
DR. YOGITA MESHRAM

LEARNING OBJECTIVES

- 1. To understand the general properties of water and the significance of water resources and water conservation.
- 2. Develop an awareness of water quality criteria and standards, and their importance for public health and the environment.
- 3. Understand important parameters for measuring water quality.
- 4. Know the methods for determining water quality parameters
- 5. Learn how to conduct accurate water quality tests and understand the relationslups between various parameters

SSES Amravati's Science College, Congress Nagar, Nagpur,

DEPARTMENT OF CHEMISTRY (2018-2019)

Notice

All the students of BSc Sem I and Sem III are hereby informed that, Admission is open for Skill based Certificate Course: Certificate Course in Environmental and Water Management in the Department of Chemistry.

Eligibility- B.Sc. Sem I and Sem III students

Duration -Six weeks

For Registration please contact:

Dr.Y. K. Meshram, Department of Chemistry (9423616167)

Dr. R U Khope Head Department of Chemistry





Office of the Principal S. J. E. S. Amravati's Science College, Nagpur.

Inward No. 2258 Dt. 15/02/2019

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

DEPARTMENT OF LIFELONG LEARNING AND EXTENSION

Gurunanak Bhavan, University Campus, Amravati Road, Nagpur - 440 033. Phone : 2530860 E-mail : doll-rtmnu@gmail.com

To, The Principal S.S.E.S.Amravati's Science College, Nagpur.

No.DOLLE/259/19

Dated: 14.02. 2019

a .

Subject:

Sanction for Conducting Short Term Courses under Jeevan Shikshan Abhiyan on No Grant Basis.

Sir/Madam,

Course

With reference to your proposal for conducting Short Term courses indicated below under Jeevan Shikshan Abhiyan of this Department, I am to inform you that your proposal has been accepted by the Department and your College has been granted permission to conduct the course on the following conditions:

Details of the Course

Sr. No.	Name of the Course	Duration	No. of Candidates to be admitted	Fees to be Charged per Student	Fees to be Deposited With the Deptt.
1	Certificate Course in Immuno-Diagnostic	12 Weeks	25	2000/-	10%
2	Certificate Course in Forestry and wildlife Conservation	6 Weeks	10	2000/-	10%
3	Certificate Course in Environmental and Water Management	6 Weeks	20	1000/-	10%
4	Certificate Course in Biofertilisers and Biopesticides	12 Weeks	. 11	1500/-	10%
5	Certificate Course in Mushroom Cultivation	8 Weeks	14	500/-	10%
6	Certificate Course in Biodegradable Solid Waste Management	12 Weeks	22	1000/-	10%

Rules & Regulations of this Department regarding these courses should be strictly followed.

- 1. This sanction is valid for this particular Batch only.
- 2. Fees for the course should be charged as per the norms prescribed.
- 3. Expenditure on the course should be incurred as per norms.
- 4. Course should be started within a Month from the date of sanction.

 Please communicate your acceptance within a month and submit Initial Report

 Along with list of students admitted.

To, Bobade Sin for Ni Audurany

Your's faithfully,

Director

SSES Amravati 'S Science College, Congress Nagar, Nagpur, Department Of Chemistry Certificate Course in Environmental and Water Management (CCEWM) 2018-2019

Action Taken Report

A batch of 17 students of BSc Sem I and Sem III successively completed the Certificate Course in Environmental and Water Management. Students got awared about water quality criteria and the general properties of water and understand water resources and water conservation. This course developed technical knowledge along with basic science influencing sustainability and environmental issues water and management problems.

Dr.Yogita Meshram
Course Coordinator
Department of Chemistry

Course Coordinator
S.S.E.S.A.'s Science College
Nagpur

SSES Amravati 'S Science College, Congress Nagar, Nagpur, **Department Of Chemistry** Certificate Course On Environmental and Water Management (CCEWM) 2018-2019 **Summary Report**

The Skilled based Certificate Course on Environmental and Water Management at SSES Amravati's Science College has not only provided students with a strong theoretical foundation but also practical skills and experiences to make them better equipped for careers related to water quality management and environmental protection. Around 17 students successively completed the course. This course covered various aspects of water and environmental analysis including water sampling and testing and data interpretation etc. The physiochemical parameters were studied like PH, Conductivity, Chloride, Alkalinity (Phenolphthalein alkalinity and Total alkalinity), Hardness (Calcium and Magnesium hardness), Dissolved Oxygen. They got knowledge about physiochemical parameters and their analysis. Students interpreted water analysis data with standard data. With this course students developed the skills and got information about advanced instruments such as UV.VIS Spectrophotometer. Students submitted assignments on environmental issues. After completion of course, students were appreciated with certificates. The students will be benefitted by this course in their future carrier options such as in consultancy, research organization and water testing lab etc.



Certificate distribution program at the hands of Principal Dr. M.P. Dhore, Dr Avchar, Dr R.U Khope and Dr Yogita Meshram and students

Dr. Togets Mestram Course-Condinator

Course Coordinator S.S.E.S.A.'s Science College

Julinea With Ca



SYLLABUS FOR CERTIFICATE COURSE IN ENVIRONMENTAL AND WATERMANAGEMENT

(With effect from the academic year 2018-2019)

The Skill base Certificate Course Syllabus for B.Sc. I,II& III appear students.06 weeks Certificate Course in Environmental and Water Management. The examination of Course shall comprise of one theory paper carries 50 marks and a practical carries 40 marks.. Internal assessment marks should be included in minimum passing marks of the students. Candidates are expected to pass separately in theory, internal assessment and practical examination.

The student required 40% marks in theory for passing including internal marks. Separate passing in practical examination is required, Assignment is necessary to get internal marks.

The Structure of Syllabus for Certificate course along with distribution of marks is also displayed in the following Table

Course	Theory Papers and Practicals		Marks	Total Marks	
		Theory	Internal Assessment*	Practical	
Certificate Course in Environmental	1.Theory paper- Environmental and Water Management	50	10		100
and Water Management	2.Practicals based on course			40	
		Gra	nd total		100

^{*}Internal assessment -

Based on students attendance and the performance during assignments / field work

Jogela & Meshram.

Course - Coordinator

Course Coordinator

S.S.E.S.A.'s Science College

Nagnur

SSES Amravati 'S Science College, Congress Nagar, Nagpur, Department Of Chemistry Certificate Course On Environmental and Water Management (CCEWM) 2018-2019

Course Duration: 06 weeks

Entry Requirement: Student of B.Sc. I Yr /B.Sc. II Yr (Chemistry)

Course Fee: Rs. 1000/-

Number of Students enrolled: 17

The environment is one of the most challenging areas of modern science. Problems resulting from increased industrialization and urbanization on a global scale are threatening our natural water resources and environment. For a sustainable future, environmental scientists are tackling the effects of acid rain, water pollution, the loss of habitats on environment and human being. This course will develop knowledge to plan and check the quality of water resources and bringing together scientific and technological issues in environmental study. This also course offers an understanding of the standard and criteria for water quality and how they relate to the environmental issues. Nagpur is rapid developing city in central area with many industries coming up in recent years hence this course is started to fullfill the demand of industry.

Aim and objectives

The program intends to build integrated water management professionals able to collaborate, create and deliver innovative approaches to complex water management challenges. This course expands the practical approach and skills for assessment of water quality and management solutions. This program develops effective leadership capacity as well as the strategic, managerial and technical skills need to advance in the water sector and also to develop ability to interpret standards and guidelines and a sound analytical approach to solve problems.

Learning outcome

At the end of course, students will be able to

- Understand different physical and chemical parameter of water and properties of ore and coal.
- Know the principles and methods to assess the water quality for sustainable development and explain the major techniques used in water purification methods.
- Develop an awareness about water quality criteria and the general properties of water and understand water resources and water conservation.
- This program endeavour to develop technical knowledge along with basic science influencing sustainability and environmental issues water and management problems.

Po-Togel k. Mesham
Course Coordinator
S.S.E.S.A.'s Science College

SYLLABUS

Certificate course in

Environmental and Water Management

2018-2019 (6 week)

Theory -

Unit I:

Introduction of instruments: - Digital balance, oven muffle furnace, PH meter Spectrophotometer- Visible, UV, Double distillation plants, etc.

Unit II:

Water Pollution: - Classification of water pollutants. Sampling of water sample, Chemical and physical characteristics of water such as temperature, pH, Chlorides, COD, BOD, Alkalinity, Toxic metal etc., Treatment of water purification.

Unit III:

Analysis of Minerals:- Analysis of Dolomite (For silicate, Mg and Ca content) and Analysis of bauxite (for Al and Silicate content).

Unit IV:

Analysis of the moisture and ash content in the Coal sample using proximate analysis Method.

Practicals:

- a) Determination of PH, temperature, Electrical conductance.
- b) Determination of chloride.
- c) Determination of sulphate.
- d) Determination of Hardness.
- e) Determination of COD, BOD, Alkalinity.
- f) The analysis of Bauxite.
- g) The analysis of moisture content and ash content

Distribution of Marks :- I. Record- 05 marks

II. Experiment -25 marks

III. Viva- Voce- 05 marks

Certificate course in Environmental and Water Management Department of Chemistry Teaching Plan 2018-2019

Week	Herry W.	Teachin	g Plan 2018-2019
	Hour Wise	Teaching Plan	Content
Week 1	Unit I	1	Introduction of instruments
		1	Digital balance, oven muffle furnace
		1	PH meter Spectrophotometer- Visible, UV, Double distillation plants etc.
Week-2	Unit II	1	Introduction to water and water pollution
		1	Water cycle in nature, sources of water
		1	Determination of pH, Conductance, etc
\Week-3		1	Water pollution in surface and ground water bodies
		1	Classification of pollutant
		1	Determination of Alkalinity
\Week-4	Unit II	1	Chemical composition of polluted water ,Sampling of water and their preservation,
		1	Industrial and Domestic water Treatments, Secondary treatment, Tertiary treatment
		1	Toxic metals and effect on environment
Week-4	Unit III	1	Occurrence and Methods of extraction of Al from bauxite ore
		1	Extraction of Mg from dolomite ore
		1	Determination of Chloride
Week-5	Unit IV	1	Properties and Occurrences of Coal, Proximate analysis of Coal Method.
		1	The analysis of moisture content and ash content.
		1	Determination of BOD,
Week-6		1	Determination of COD
		1	Examination, Assignment
		1	Report making and submission

Dr. Yogita Meshram Course coordinator

Prof. R. U. Khope Head, Department of chemistry

S.S.E.S. Amravati's Science College, Congress Nagar, Nagpur.

Department of Chemistry-2018-2019

List of students participated in Skill based course

- 1. DhirajRamkumarYadav
- 2. Prutha s. Bhake
- 3. AshleshaSomeshwarGoswami
- 4. RashmiPurushottamBalki
- 5. Prachita A. Dakhole
- 6. ParagAnilraoRaut
- 7. BhushanHarishchandraJaunjal
- 8. RoshanRavindraRadke
- 9. RohitLaxmanNakhate
- 10. ShreyaPrakashDevikar
- 11. UrvashiShivshankarGautre
- 12. JayshriChintamanraoNikhade
- 13. Sakshi Deepak Kurhade
- 14. Bhakti JaywantDeshpande
- 15. Sonali Ramesh Saonerkar
- 16. ShriyaShrikantPatankar
- 17. Bhumika Mishra

Dr. Yogita K Meshram Course coordinator

Course Coordinator S.S.E.S.A.'s Science College Nagpur

Dr. RU Khope Head, Dept of chemistry

Associate Professor & Head Department of Chemistry S.S.E.S. Amt's Science College Congress Nagar, Nagpur.

S.S.E.S. Amravati's Science College, Congress Nagar, Nagpur Certificate course in Environmental and Water Management

Department of Chemistry 2018-2019

Notice

Date: 5th March 2019

All the students of Certificate course are hereby informed that, theory and practical classes for **Certificate course in Environmental and Water Management** will be commenced from 8th March 2019. You all are informed to attend the classes regularly.

Dr Yogita Meshram

Course Co-ordinator

Course Coordinator S.S.E.S.A.'s Science College Nagpur

S.S.E.S. Amravati's Science College, Congress Nagar, Nagpur.

Department of Chemistry

Time Table for Certificate course in Environmental and Water Management

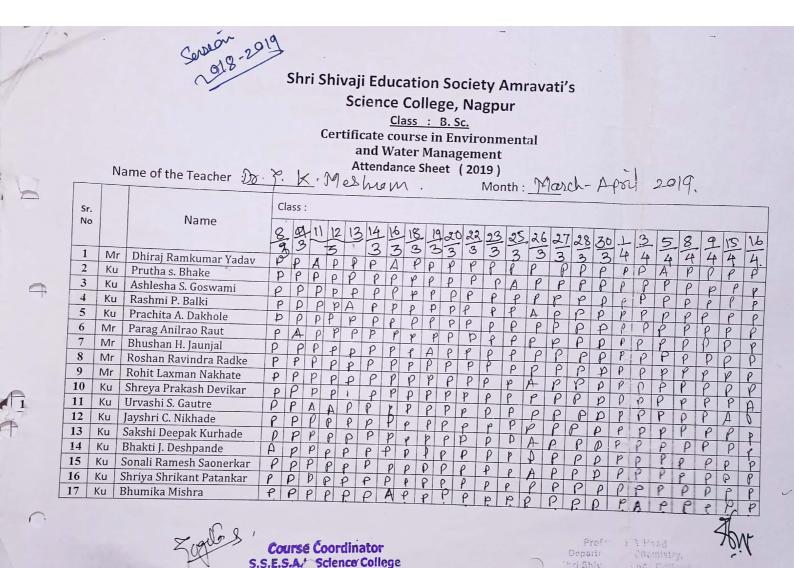
2018-2019

Days	Time	T/P
Mon	3.15 to 3.45 pm	Theory
Tue	3.15 to 3.45 pm	Theory
Wed	3.15 to 3.45 pm	Theory
Thu	2.00 to 2.30 pm	Practical
Fri	2.00 to 2.30 pm	Practical
Sat	2.00 to 2.30 pm	Practical

Dr. Yogita Meshram Course Coordinator

Course Coordinator
S.S.E.S.A.'s Science College
Nagpur

Dr R.U. Khope Head, Department of Chemistry



magpur

Scanned with Ca



Scanned with Ca

S.S.E.S. Amravati's Science College, Congress Nagar, Nagpur Certificate course in Environmental and Water Management

Department of Chemistry 2018-2019

Notice

Date: 16th April 2019

All the students of Certificate course are hereby informed that, theory examination for Certificate course in Environmental and Water Management will be held on 27th April 2019 at 2.00 to 3.30 pm. All Students should report ten minutes before the examination time in the department of chemistry.

Dr. Yogita Meshram Course Co-ordinator Department of Chemistry

Batch - 2018-	-2019
	27/412019 Segnalure
1. Dhiraj R. Yadar	Phiring
2. PRUTHA S. BHAKE	0-
3. Ashlesha Someshwar Goswani	Muleshaloswami
4. PRashmi P. Balki	Sgettei
5 PRACHITA · A · DAKHOLF	Dakhole.
6, Parag A. Raut	Raus.
7 BHUSHAN H. JAUNJAL	Hushan
8 · ROSHAN R. RADKE.	Tank.
9. Rohit L. Nakhate	Rathate
10. Shraya Prakash Devikar	Reported.
". Ilvevashi . 8. yautre	gantee.
JAYSHET C. NIKHADE	Tayshin
Blakshi Deepak Kurhade	Dkurlade
14 SHI BHAKTI J. DESHPANDC	Bhakali
	Jeanned with Ca

15, s. R. Saonerkan	Jone Jane
16.5. S. Patarkan	wabat. Lying 1
17. BHUMCKA MISHRA	AMMA BAllnig

Shri Shivaji Education Society Amravati's Science College, Nagpur

Department of Chemistry

B.Sc.: Certificate course in Environmental and Water Management

Name:	2018-2019	
Time:	1 Hr. Max. Marks: 50 marks	
Note:	 All questions are compulsory and carry one mark. Write the appropriate option (answer) in the space provided. 	
1.	Everything which surrounds us referred as Orang layer, h) Sympostics gyetem, a) Environment, d) Physical nature	
2.	a) Ozone layer b) Supporting system c) Environment d) Physical nature ELISA test is used to detect (a) Malaria (b) AIDS (c) Cholera (d) Tuberculosis	
3.	(a) Malaria (b) AIDS (c) Cholera (d) Tuberculosis National Pollution prevention Day is marked on (a) 1 st July (b) 2 nd December (c) 1 st December (d) 2 nd October	
4.	Symbol for WWF is a) Cat b) Giant panda c) Penguin d) Elephant	
5.	Who is an eco-activist a) Indira Gandhi b) Dr. Ambedkar c) Sunderlal bahuguna d) Dr. Manmohan Singh	
6.	India can be biogeographically classified into (a) 21 regions (b) 10 regions (c) 23 regions (d) 13 regions (a) 21 regions (b) 10 regions (c) 23 regions (d) 13 regions	
7.	Social activist of India involved in Narmada Bachao Andolan a) Mayavati b) Sonia Gandhi c) Maneka Gandhi d) Medha Patkar	
8.	Sunderlal Bahuguna pioneered the a) Bharat Chodo Andolan b) bhago mohim c) Chipko Movenent d) Ganga bachao	
9.	Is well known for water harvesting movements a) Rajendra Singh b) Rajendra Prasad c) Rajendra suri d) Rajendra pal	
10.	Moving water is used to produce Nuclear energy c) Thermal energy d) Ocean energy	
11.	The ultraviolet radiations in the stratosphere are absorbed by	
12.	Lotic and lentic are types of Terrestrial ecosystem (b) grasslands(c) forest ecosystem (d) aquatic ecosystem	
13.	Plant eating organisms are called Plant eating organisms are called A Sanguivores A Sanguivores A Sanguivores	
14.	a) Herbivores b) Carnivores c) Fragressian (a) Herbivores b) Carnivores c) Fragressian (b) Carnivores c) Fragressian (c) Fragressian (d) Plants a) Resources b) Material c) Life d) Plants a) Plants	
15.	Which of following on initial and the state of the state	
16.	Increasing skin cancer and Marid roin (c) CO ₂ pollution (d) CO pollution.	
17.	Increase in concentration of Soluble Salination (c) Pollution (d) Pollutants	
18.	The disease caused due to indecan mass of the disease caused due to inde	
19.	Natural calamities we can Natural calamities we can Oreate	
20.	Water pollution can be controlled by damage control	
21.	World population day a) 6 Aug b) 11 Jan c) 11 July d) 12 July Earth day Course Coordinates Course Coordinates	
22.	Earth day 22 April b) 23 April c) 24 April d) 25 April S.S.E.S.A.'s Science College	3

Naggur

ocarinea with od

The instrument used for measuring the intensity of an earthqu	ake is called
(a) Seismometer (b) Richter scale (c) Mercury	(d) Biometer
Nuclear accident keeps their impact on	
a) Present generation b) Generation after generation c) Tv	vo generations d) no generations
5. America & Canada celebrate "Work day" on	
a) Motor b) Bicycle c) Truck d) Car	
6. Acquired Immune deficiency syndrome is caused by	
a) Bacteria b) AIDS c) HIV d) Protozoa	
27. Fluoride pollution mainly affects	
(a) Kidney (b) Brain (c) Heart (d)	Teeth
8. The defense mechanism of body is called as system	
a) Sensory b) Digestive c) Circulatory d) Immune	a to increase in
29. Increase in fauna and decrease in flora would be harmful du	pollution
(a) onto the (b) out out at the (c)	ponduon
30. Pollution of the environment makes our life more	
a) Luxurious b) Stable c) Modern d) Difficult	
31. Sardar Sarovar project is constructed on	
a) Sardar b) Tehri c) Narmada d) Ganga	
32. Is known as father of Indian Green Revolution	mian d) M S Igirajan
a) M.S.Rangnathan b) M.S.Swaminathan c) M.S.Ranga	rajan d) Wi.S.Sanajan
22 Detrol & cool are source of energy	
a) Renewable b) non- Renewable c) Man-made d) Li	mited
34. Renewable resources can be a) Regenerated b) Not regenerated c) Cannot predict	d) none of these
35. Formation of coal & petroleum requires a) One year b) Few year c) Hundreds of years d) Mil	lions of years
36. Ecosystem means	1) Carial system
36. Ecosystem means a) Administrative system b) Private system c) Ecologi	cal system d) Social system
37. Today, the world's number one problem is	1 - 1-mition
37. Today, the world's number one problem is	ration (d) Natural calamities
(a) Pollution (b) Population expression (c)	
38. Flesh eating animals are called a) Herbivores b) Carnivores c) Frugivores d) Sangu	ivores
a) Herbivores b) Carmvores c) Trags	
39. Is an abiotic factor in an ecosystem	
a) Bacteria b) Soil c) Protozoa d) Insect	
a) Bacteria b) Soil c) Hotozot a) 40. Identify the Primary consumer amongst the following.	
a) Eagle b) Snake c) Grasshopper d) 1108	
1.illad tor	
Most b) Skin c) Perfulles d) Tollon	
Talk b) Tucks (C) Skill (d) Talking	
Voung shoots of bamboo are used as	Food
Construction material	1000
44. This tree has insecticidal property All Parthon (a) Mango (b) Neem	
44. This tree has insecticidal property a) Coconut b) Bamboo c) Mango d) Neem	
a) Coconut b) Bans	problem d) Social problem
45. Pollution is a a) Natural problem b) Manmade problem c) Legal problem b) Manmade pollutant.	problem d) Social problem
a) Natural problem b) Walling de pollutant. 46. Which of the following is man made pollutant. 46. Which of the following is man made pollutant. 46. Which of the following is man made pollutant.	
46. Which of the following is man made posterior a) Dust b) Pollen c) Sediment d) Detergent	
a) Dust b) Ponen	
47. Air pollution increases due to a) Economy b) Industrialization c) Power d) Ag	riculture
\ Liconomy	
48. Greenhouse effect is related to	lands (d) Greenery in country.
(a) Green trees on house (b) Global warning (c) Grass	
	Decigram
Decimal (D) Decimeter	cergram
50 Malaria is transmitted by 50 Malaria is h. Masquito c) Protozoa d) Insect	
50 Malaria is transmitted by a) Bacteria b) Mosquito c) Protozoa d) Insect	17.00/00
a) Bacteria () Internal	(Mary
	() . 1
	a laral (0)

Course Coordinator
S.S.E.S.A.'s Science College
Course Course College

Shri Shivaji Education Society Amravati's Science College, Nagpur Department of Chemistry Certificate course in Environmental and Water Management 2018-2019

		Answer Key		Max Marks 50
Q.No	Ans	Q. No	Ans	
1	C	26	C	
2	D	27	D	
3	В	28	D	
4	В	29	D	
5	С	30	D	
6	С	31	C	
7	D	32	В	
8	С	33	В	
9	A	34	A	
10	A	35	D	
11	В	36	C	
12	D	37	В	
13	A	38	В	
14	С	39	В	
15	С	40	С	
16	A	41	С	
17	В	42	D	
18	В	43	D	
19	C D	44	D	
20	D	45	В	
21	C	46	D	
22	A	47	В	
23	A	48	В	
2/	В	49	С	

50

24

25

Dr. F. K. Mesham.

Courte Coordinator India

S.S.E.S. M. Schence College

Nagpur

Shri Shivaji Education Society Amravati's Science College, Congress nagar , Nagpur Certificate course in Environmental and Water Management

2018-2019

MARKSHEET

Sr.No.		Name of Students	Theory =50	Internal Assignm ent=10	Practical =40	Total Marks =100
1	Mr	Dhiraj Ramkumar Yadav	30	10	39	79
2	Ku	Prutha s. Bhake	40	10	40	90
3	Ku	Ashlesha S. Goswami	37	10	40	87
4	Ku	Rashmi P. Balki	37	10	40	87
5	Ku	Prachita A. Dakhole	37	10	39	86
6	Mr	Parag Anilrao Raut	34	10	38	82
7	Mr	Bhushan H. Jaunjal	33	10	39	82
. 8	Mr	Roshan Ravindra Radke	37	10	40	87
9	Mr	Rohit Laxman Nakhate	35	10	40	85
10	Ku	Shreya Prakash Devikar	37	10	40	87
11	Ku	Urvashi S. Gautre	38	10	39	87
12	Ku	Jayshri C. Nikhade	38	10	39	87
13	Ku	Sakshi Deepak Kurhade	38	10	40	88
14	Ku	Bhakti J. Deshpande	37	10	40	87
15	Ku	Sonali Ramesh Saonerkar	35	10	40	85
16	Ku	Shriya Shrikant Patankar	37	10	39	86
17	Ku	Bhumika Mishra	31	10	40	81

264r

Professor & Head Department of Chemistry, Shri Shivaji Science College Congress Nagar, Nagaur, Togelo S

Dr. Togela k. Meshram.

Sept of chemistry

Course Coordinator
S.S.E.S.A.'s Science College
Nagpur

Scanned with Ca

SSES Amravati 'S Science College, Congress Nagar, Nagpur, Department of Chemistry Certificate Course in Environmental and Water Management (CCEWM) 2018-2019

Feedback Analysis Feedback

- 1. Numbered of students enrolled for the certificate course-17
- 2. Number of students successfully completed the certificate course-17
- 3. Number of students successfully submitted feedback -17

SN	Question	Students Number wise Responses			
1	1. Was this course useful for students carrier	A. Yes	B. No	-	
	students carrier	17	0	-	
2	2. Was this course developed the students skills	A. Yes	B. No	-	
		16	1	-	
3	3. How do you rate the prescribed syllabus for course?	A. Excellent	B. Good	C. Satisfactory	
		16	01	-	
4	4. How do you rate the overall certificate course	A. Excellent	B. Good	C. Satisfactory	
		16	1	-	
5.	5.Were you satisfied with the practical session	A. Very satisfied	B. Satisfied	C. Not satisfied	
		17	0	0	

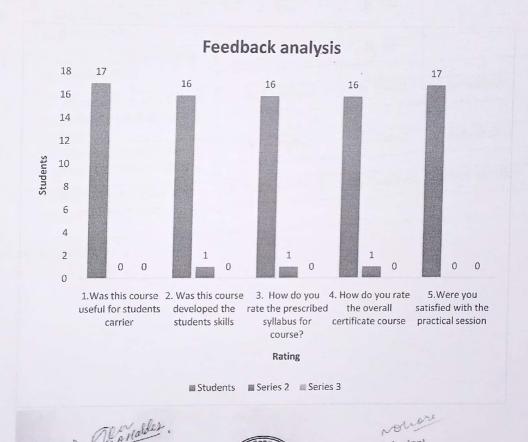
Internal Quality Assurance Cell (IQAC)

S. S. E. S. A. Science College Congress Nagar, Nagpur. SEAL SEAL SO

Principal S. S. E. S. Amravati's Science College, Nagpur.

SSES Amravati 'S Science College, Congress Nagar, Nagpur, **Department of Chemistry** Certificate Course in Environmental and Water Management (CCEWM) 2018-2019

Feedback Analysis



Internal Quality Assurance Cell (IOAC)
S. S. E. S. A. Science College Congress Nagar, Nagpur.

Principal S. S. E. S. Amravati's Science College, Nagpur.

SSES AMRAVATI 'S SCIENCE COLLEGE, CONGRESSNAGAR, NAGPUR, DEPARTMENT OF CHEMISTRY

Varianmenten estatuta anno a estatuta de manden de mande

Certificate Course On Environmental and Water Management (CCEWM) 2018-2019

Feedback Form

SN	Question	Students Number wise Responses				
1	1. Was this course useful for students carrier	A. Yes	B. No			
2	2. Was this course developed the students skills	A. Yes	B. No			
3	3. How do you rate the prescribed syllabus for course?	A. Excellent	B. Good	C. Satisfactory		
4	4. How do you rate the overall certificate course	A. Excellent	B. Good	C. Satisfactory		
5.	5.Were you satisfied with the practical session	A. Very satisfied	B. Satisfied	C. Not satisfied		

Any suggestion:

Course - Consdinator

Course Coordinator

Course Coordinator

S.S.E.S.A.'s Science College

Scanned with Ca



Rashtrasant Tukadoji Maharaj Nagpur University Board of Lifelong Learning and Extension

Certificate

Awards this certificate to Shri/Smt./Ku. Ashlesha S. Goswami on satisfactory completion of the skill based course in Environmental and water management under Jeevan Shikshan Abhiyan run by Department of Lifelong Learning and Extension, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur in collaboration with Shri Shivaji Education Society Amravati's Science College, Nagpur from 15 / 02 / 2019 to 29 / 03 / 2019

Ho/She passed at the Eramination in Grade . "A"

Course Co-coordinator

S.S.E.S. Amt's Science College Congress Nagar, Naggur Principal

5.S.E.S. Amt's Science College Congress Nagar, Nagpur Director

Depts of Lifelong And Extension, R.T.M. Nagpur University