




Kokan Education Society's
Anandibai Pradhan Science College
Nagothane, Dist. Raigad.

**STUDENTS ENROLLED IN CERTIFICATE COURSES DURING THE
ACADEMIC YEAR 2018-19**

Sr. No.	Name of the Certificate Course	Department	Number of students Enrolled
1	A Certificate Course in water analysis	Chemistry	30
2	Soap Making	Chemistry	62
3	Perfume Making	Chemistry	62


IQAC Co-ordinator
K.E.S.A.P. Science College
Nagothane, Dist. Raigad (M.S.)




PRINCIPAL
K.E.S. A. P. Science College
Nagothane, Dist. Raigad (M.S.)



Konkan Education Society's
'Bapusaheb Deshpande Educational Complex'
ANANDIBAI PRADHAN SCIENCE COLLEGE,

Nagothane, Tal.Roha, Dist. Raigad, Pin. 402 106
Phone : (02194) 222582

President : Sanjay Datta Patil
Principal: Dr. Sandesh S. Gurav

Tel.Fax : 02194 – 223699
E-mail : principalapsc@yahoo.co.in
Website : <http://www.apenagothane.edu.in>

Permanently affiliated to the University of Mumbai & Recognized by the Government of Maharashtra
Included Under Section 2(f) &12(B)of the U.G.C. Reaccredited by NAAC with 'B+' Grade

BROCHURE FOR INSTITUTIONAL COURSES

2018-19



Principal

Dr. Sandesh S. Gurav

ANANDIBAI PRADHAN SCIENCE COLLEGE

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ANANDIBAI PRADHAN SCIENCE COLLEGE

Bapusaheb Deshpande Educational Complex
Nagothane, Tal. Roha Dist. Raigad. 402106

Department of Chemistry
2018-19

A Manual For

A Certificate Course in Water Analysis

By

Dr. V. R. Jadhavar

Coordinator,

A certificate Course in Water analysis

Assist. Prof. in Chemistry

**KES Anandibai Pradhan Science College,
Nagothane Tal. Roha Dist. Raigad**

Dr. Dinesh V. Bhagat

Professor and Head,

Department of Chemistry

**KES Anandibai Pradhan Science College,
Nagothane Tal. Roha Dist. Raigad**



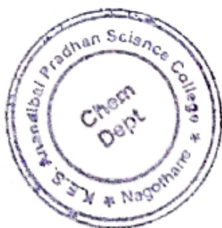
Objective of the Course

1. To promote understanding of basic facts and concepts in water analysis.
2. To make students capable of studying Chemistry principles in academics and in Industrial courses.
3. To develop problem solving skills in students.
4. To acquaint students with the fundamental knowledge in water pollution studies,
5. To develop analytical skills and critical thinking through application of theory knowledge into practical course.
6. To construct and apply knowledge of chemistry, and appreciate the relationship between Chemistry and other disciplines.
- 7 To enable students to understand Chemistry and its Industrial and Social Context.

Course Outcome

By the end of the course the students should able to

1. To understand, coherently and effectively about various parameters responsible for water pollution.
2. To develop the understanding and interest in the field of Chemistry and Environment.
3. To develop basic skills in practical Chemistry and its industrial applications.



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Nagothane, Tal. Roha, Dist. Raigad, Pin.402106



Department of Chemistry

A certificate course in Water Analysis

Syllabus of the Course

Theoretical Aspects: -

15L

1. Introduction
2. Collection and Preservation of samples, General Requirements, General information, Specific information
3. Description of sampling points, Safety Considerations
4. Collection and Types of Samples- Grab samples, Composite samples, Integrated (discharge-weighted) samples
5. Water Quality Assessment, Water Analysis Key Factors, Water bodies, Adverse Effects of Impurities, Constituents Responsible
6. Water Quality Parameters: Potable & Industrial, Physical, Inorganic or Chemical, Toxic Metals, Organic, Nutrient & Demand, Bacteriological, Biological Radioactive Elements
7. Water Quality Standards-BIS, WHO, etc.

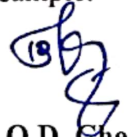
Practical's:-

15L


Introduction regarding practical's

1. Temperature
To determine the temperature of the given water sample.
2. Colour
To determine the Colour of the given water sample.
3. pH
To determine the pH of the given water sample.
4. Conductivity
To determine the Conductivity of the given water sample.
5. Total Dissolved Solids
To determine the TDS of the given water sample.
6. Total Hardness
To determine the TH of the given water sample.
7. Alkalinity
To determine the Alkalinity of the given water sample.
8. Dissolve O₂
To determine the DO of the given water sample.
9. Chemical Oxygen Demand
To determine the COD of the given water sample.


Course coordinator


H.O.D. Chemistry
Head

Department of Chemistry
K.E.S.A.P.Sc.College Nagothane


Principal
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K.E.S.A.P. Science College
Nagothane, Dist. Raigad (M.S.)

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Practical's		
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9	Color To determine the Color of the given water sample.	16
10	pH To determine the pH of the given water sample.	17-19
11	Conductivity To determine the Conductivity of the given water sample.	20-21
12	Total Dissolved Solids To determine the TDS of the given water sample.	21-23
13	Alkalinity To determine the Alkalinity of the given water sample	23-25
14	Total Hardness To determine the TH of the given water sample.	25-30
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Nagothane, Tal. Roha, Dist. Raigad, Pin.402106

Department of Chemistry

Date:-25/06/2018

Notice

All the students of T.Y.B.Sc (Regular) are hereby informed that Department of Chemistry is going to start a one month certificate course in water analysis in the college from the academic year 2018-19.

Details of this course is as follows.

Name of the Course: - **A certificate course in Water Analysis**

Duration : - **30 days**


Intake Capacity : - **30 Seats**


Course fees :- **Rs.100/-**


Co-ordinator :- **Dr.V.R. Jadhavar**

Interested students may give their names to Course Co-ordinator **Dr.V.R. Jadhavar** on or before 30/06/2018. Students those who complete the course successfully will get the certificate for the same.

The lectures and practical's of this course will start from 03/07/2018 onwards. The detail time table of this course will be displayed on chemistry notice board.


Course Coordinator
Dr.V.R.Jadhavar


H.O.D.Chemistry
Dr.Dinesh V.Bhagat
Department of Chemistry
K.E.S.A.P.Sc.College Nagothane


Principal
Dr.Sandesh S.Gurav
PRINCIPAL
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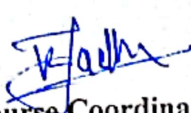
Department of Chemistry


Date:-02/07/2018


Notice

Time Table for a Certificate Course in Water Analysis
(July-August 2018)

Days→ Time↓	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
3.00.to 4.00 pm	-----	-----	-----	Theory	Theory	Theory
3.00 to 5.00 pm	Practical	Practical	Practical	-----	-----	-----


Course Coordinator
Dr.V.R.Jadhavar


H.O.D.Chemistry
Dr.Dinesh V.Bhagat
Head
Department of Chemistry
K.E.S.A.P.Sc.College Nagothane


Principal
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PRINCIPAL
K.E.S. A. P. Science College
Nagothane, Dist. Raigad (M.S.)




K.E.S. Anandibai Pradhan Science College, Nagothane
A Certificate Course in Water Analysis
List of students enrolled 2018-19



Sr.No.	STUDENT NAME	CLASS
1	GHAVALA VAISHALI VIJAY	T.Y.B.Sc.
2	GOVILKAR NIKITA DILIP	T.Y.B.Sc.
3	BHATKAR SHRUTI SUDHIR	T.Y.B.Sc.
4	KUNDE POOJA GANESH	T.Y.B.Sc.
5	MALI ROSHNI NATHURAM	T.Y.B.Sc.
6	DHAKARE DIPTI DILIP	T.Y.B.Sc.
7	BABAR POOJA BALU	T.Y.B.Sc.
8	DALVI DIPALI DINESH	T.Y.B.Sc.
9	MHASKE AMRUTA RAVINDRA	T.Y.B.Sc.
10	DHANVI PRITI SANDIP	T.Y.B.Sc.
11	SAURABH RAGHUNATH BHOIR	T.Y.B.Sc.
12	TUSHAR VIJAY PATIL	T.Y.B.Sc.
13	PRASHIK RAHUL WANJARE	T.Y.B.Sc.
14	PRATIK BHAGOJI AMBRUSKAR	T.Y.B.Sc.
15	BALKAWADE NIVRUTI NARAYAN	T.Y.B.Sc.
16	BHURE MANISH MOHAN	T.Y.B.Sc.
17	KHANDEKAR NIKESH DAMODAR	T.Y.B.Sc.
18	MHATRE PANKAJ DATTATREYA	T.Y.B.Sc.
19	ROHIT RAJENDRA JAMDADE	T.Y.B.Sc.
20	ASUTOSH BALAJI RATHOD	T.Y.B.Sc.
21	ROHIT LAXMAN JANGAM	T.Y.B.Sc.
22	KIRTI VINAYAK BHAGAT	T.Y.B.Sc.
23	POOJA SAKHARAM RAJIWALE	T.Y.B.Sc.
24	KAUSTUBH MANOJ MOHITE	T.Y.B.Sc.
25	AKROSH JAYANATH PATIL	T.Y.B.Sc.
26	SONIA BALBIRSINGH CHAUHAN	T.Y.B.Sc.
27	IFAT DAFAN DAFEDAR	T.Y.B.Sc.
28	KETAN GOVIND BHOIR	T.Y.B.Sc.
29	ROSHAN MARUTI KONDE	T.Y.B.Sc.
30	YOGESH DATTAREY KASBE	T.Y.B.Sc.


Coordinator


Department of Chemistry
K.E.S.A.P.Sc.College Nagothane


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ANANDIBAI PRADHAN SCIENCE COLLEGE
Nagothane, Tal. Roha, Dist. Raigad, Pin.402106



Department of Chemistry


Date:-09/09/2018


Notice

All those students of T.Y.B.Sc (Regular) who have been completed a Certificate course in water analysis are hereby informed that there will be viva voce exam based on your course syllabus on 14th September 2018. After successful completion of journal and viva, you will get the certificate.

Note the same and be present for the via voce examination.


Course Coordinator
Dr. V.R. Jadhavar


H.O.D. Chemistry
Dr. Dinesh V. Bhagat
Head
Department of Chemistry
K.E.S.A.P.Sc. College Nagothane


Principal
Dr. Sandesh S. Gurav
PRINCIPAL
K.E.S. A. P. Science College
Nagothane, Dist. Raigad (M.S.)



This is to certify that

Mr./Miss/Mrs. _____ Class _____

has successfully completed a Certificate Course in water analysis from _____ to _____ conducted by Department of Chemistry, KES Anandibai Pradhan Science College, Nagothane, Tal. Roha, Dist. Raigad, with grade _____.

Date:-

Place:-

Course Coordinator
Dr. V.R. Jadhavar

H.O.D. Chemistry
Dr. Dinesh V. Bhagat

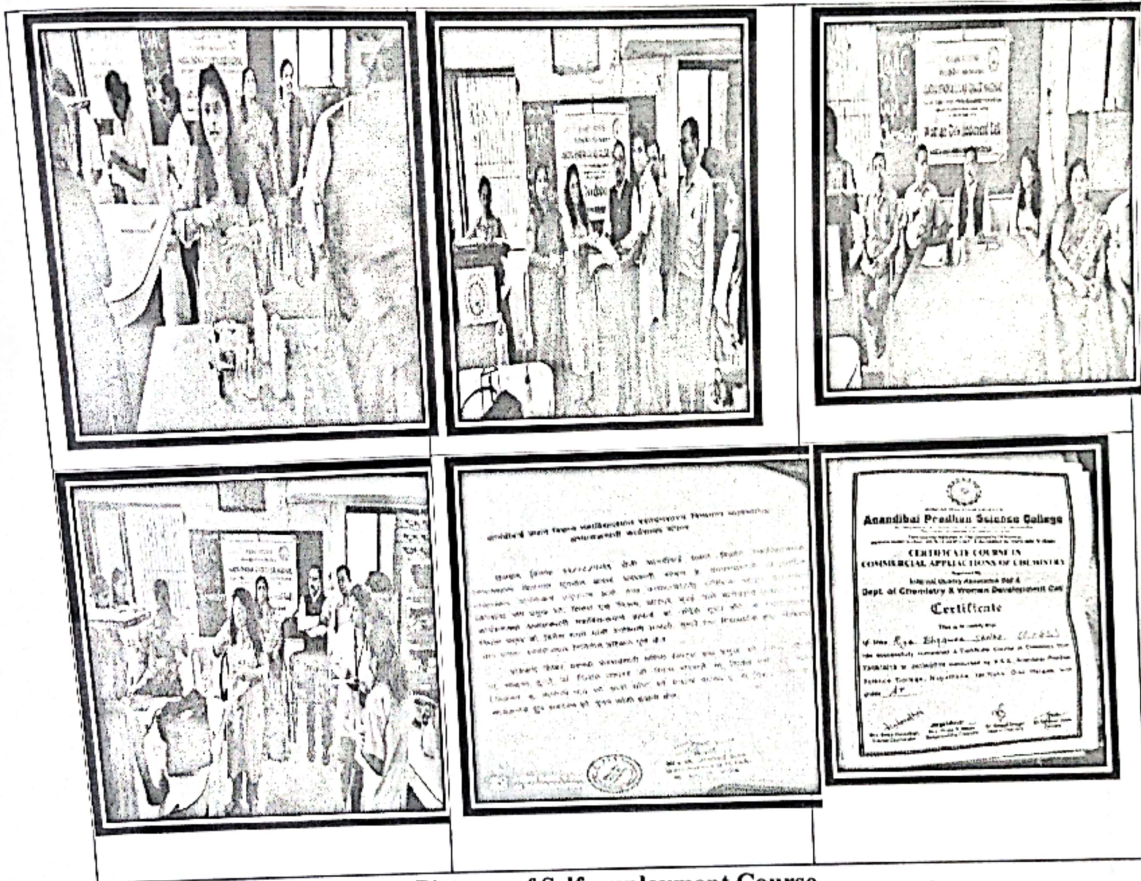
Principal
Dr. Sandesh S. Gurav



Self employment Courses offered by Women development cell (2018-19)

- 1) Soap making 2) Perfume making

Women development Cell organized following courses for girl students for self-employment skills-1) Soap making 2) Perfume making. In this girls were demonstrated with different practical demonstrations of Soap making, Perfume making by Mrs Shilpa Nikam, from Swayamsidha Creations, Kharghar, Navi Mumbai. Total 62 participants has benefited by completed the course.



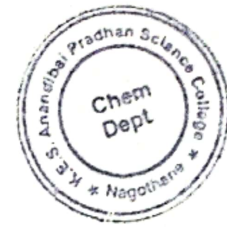
Pictures of Self-employment Course

Jyotsna
Co-ordinator



[Signature]
Head
Department of Chemistry
K.E.S.A.P.Sc. College Nagothane

[Signature]
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Nagothane, Dist. Raigad (M.S.)



Annexure1- List of Participants (Soap Making)

Sr. no	Name of student	class	Sr. no	Name of student	Class
1	Miss Vishakha R. Palande	SY BSc.	32	Jyoti Tikone	T. Y B. Sc
2	Miss Aditi D Nagothkar	SY BSc.	33	Disha Dighe	T. Y B. Sc
3	Miss Prachi M. Dandekar	SY BSc.	34	Nivedita Mhatre	T. Y B. Sc
4	Pranam A. Sawant	SY BSc.	35	Vishakha Gurav	T. Y B. Sc
5	Addesh B. Lokhande	SY BSc.	36	Mandar Khariwale	T. Y B. Sc
6	Uttam J. Bevandhane	SY BSc.	37	Hrutik Shinde	T. Y B. Sc
7	Riyaz I. Jogilkar	SY BSc.	38	Mrunali Dhumal	T. Y B. Sc
8	Nitesh P. Gupta	SY BSc.	39	Pratiksha Marawade	T. Y B. Sc
9	Naved Mulla	SY BSc.	40	Linita Mahadik	T. Y B. Sc
10	sharmin Adhikari	SY BSc.	41	Ruchika Nikam	T. Y B. Sc
11	Miss Sidhi Telange	SY BSc.	42	Prathamesh Avhad	T. Y B. Sc
12	Maruti Dandekar	SY BSc.	43	Hrutik Madhavi	T. Y B. Sc
13	Hinali Jain	T. Y B. Sc	44	Akshata Raut	F. Y. B. Sc
14	Shivam Avhad	T. Y B. Sc	45	Janhvi Ghotgalkar	F. Y. B. Sc
15	Shivani S. Singh	T. Y B. Sc	46	Maheen Mulla	F. Y. B. Sc
16	Srabani Choudhary	T. Y B. Sc	47	Priti Ratate	F. Y. B. Sc
17	Heena Patel	T. Y B. Sc	48	Kalpesh Jamdade	F. Y. B. Sc
18	Dhanashree Soshte	T. Y B. Sc	49	Vipul D. Mhatre	F. Y. B. Sc
19	Promodi Kolambekar	T. Y B. Sc	50	Chinmayi Y. Kuthe	F. Y. B. Sc
20	Pranita Salunke	T. Y B. Sc	51	Tejal Navshe	F. Y. B. Sc
21	Diksha Gawane	T. Y B. Sc	52	Mohini Telange	F. Y. B. Sc
22	Rakhi Malusare	T. Y B. Sc	53	Rajat Telange	F. Y. B. Sc
23	Monika Kadam	T. Y B. Sc	54	Manish Daki	F. Y. B. Sc
24	Chetan Telange	T. Y B. Sc	55	Roshan Mohite	F. Y. B. Sc
25	Abhijeet Mahahle	T. Y B. Sc	56	Sushant Bhoir	F. Y. B. Sc
26	Amit Jadhav	T. Y B. Sc	57	Aditya Watwe	F. Y. B. Sc
27	Pranay Datar	T. Y B. Sc	58	Ms Shradhdha Salunke	Teacher
28	Suyog Telange	T. Y B. Sc	59	Runali Bhoie	Teacher
29	Omkar Bhavi	T. Y B. Sc	60	Dr Smita Morbale	Teacher
30	Neha Daki	T. Y B. Sc	61	Mrs Chaitrali Patil	Teacher
31	Sonal Daki	T. Y B. Sc	62	Mrs Poonam Joshi	Teacher

Suchandhan
Co-ordinator

[Signature]
Head
Department of Chemistry
K.E.S.A.P.Sc. College Nagothane



[Signature]
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Perfume making

Class

Y.B.Sc



Annexure1- List of Participants (Perfume Making)

Sr. no	Name of student	class	Sr. no	Name of student	Class
1	Miss Vishakha R. Palande	SY BSc.	32	Jyoti Tikone	T. Y B. Sc
2	Miss Aditi D Nagothkar	SY BSc.	33	Disha Dighe	T. Y B. Sc
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19	Promodi Kolambekar	T. Y B. Sc	50	Chinmayi Y. Kuthe	F. Y. B. Sc
20	Pranita Salunke	T. Y B. Sc	51	Tejal Navshe	F. Y. B. Sc
21	Diksha Gawane	T. Y B. Sc	52	Mohini Telange	F. Y. B. Sc
22	Rakhi Malusare	T. Y B. Sc	53	Rajat Telange	F. Y. B. Sc
23	Monika Kadam	T. Y B. Sc	54	Manish Daki	F. Y. B. Sc
24	Chetan Telange	T. Y B. Sc	55	Roshan Mohite	F. Y. B. Sc
25	Abhijeet Mahahle	T. Y B. Sc	56	Sushant Bhoir	F. Y. B. Sc
26	Amit Jadhav	T. Y B. Sc	57	Aditya Watwe	F. Y. B. Sc
27	Pranay Datar	T. Y B. Sc	58	Ms Shradhdha Salunke	Teacher
28	Suyog Telange	T. Y B. Sc	59	Runali Bhoir	Teacher
29	Omkar Bhavi	T. Y B. Sc	60	Dr Smita Morbale	Teacher
30	Neha Daki	T. Y B. Sc	61	Mrs Chaitrali Patil	Teacher
31	Sonal Daki	T. Y B. Sc	62	Mrs Poonam Joshi	Teacher

S. Choudhary
Co-ordinator

Department of Chemistry
K.E.S.A.P.Sc. College Nagothane



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