

Dayanand Education Society,Latur,

Dayanand Science College, Latur.

Maharashtra India



Department of Chemistry

ATR

Add-on-Course

(2022-2023)

By

Dr. Shinde R.S

Associate Professor

Department of Chemistry

Dayanand Science College,Latur,

Maharashtra, India

Web:www.dsclatur.org

FaxNo.0282221149 Pin:413510

Dayanand Science College, Latur.
Department of Chemistry
Events organized during the Academic year 2022-23

Action Taken Report of add on course soil analysis 2022-23

Events on Add-on Course

Sr.No.	Title	Information
1	Name of Department	Chemistry
2	Title of Event	Add-on-Course on Soil Analysis
3	Date or Duration	September 1 to 13 November and 30 hrs
4	Venue of the Event	Dayanand Science College, Latur.
5	Sponsor/Collaboration	Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur
6	Level of Event	College
7	Aims/Objectives of the Event	To get the knowledge of Soil Analysis and Content of the Soil
8	Beneficiaries/Participants	Students/Staff
9	Name of Participants	20
10	Name of Chief Guest, Speakers	Mr. Dinesh Kandle
11	Name of Coordinators	Dr. R. S. Shinde
12	Photographs	Attached
13	Evidence Produced	College letter, Students Name list, Student Attendance
14	Outcomes of the event	Smooth completion of Add-on-Course
15	Any other Information	This course is beneficial to the rural students to give for guiding farmer

Background: The department of Chemistry, Dayanand Science College, Latur is one of the best departments in Marathawada region in SRTMUN. This department has UG, PG, Ph.D. courses and Research Centers in chemistry. In the month of September 19-09-2022 to 30-09-2022 the Add-on Course soil analysis was successfully held, which was organized by the Department of Chemistry, Dayanand Science College, Latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories for B.Sc. Students. The Course was attended by a total of 20 participants.

Aim and objective

1. To estimate the physical properties and available nutrient status (macro, secondary and micronutrients) of soils.
2. To provide soil test based recommendations to farmers for improving soil fertility and economic return to farmers.
3. To facilitate and promote use of soil amendments for reclamation of acidic/alkaline soils for improving their fertility and crop productivity.
4. To facilitate and promote Integrated Nutrient Management (INM) through judicious use of chemical fertilizers, including secondary and micro nutrients along with organic manures and bio-fertilizers, for improving soil health and its productivity.
5. To promote use of micro nutrients for improving crop productivity.

The proposed results were:

1. To determine the level of availability of nutrients or the need for its introduction.
2. To predict the increase in yields and profitability of fertilization (poor soils do not always provide yield increase due to fertilization because of possible limiting factors).
3. To provide the basis for calculating the required fertilizing of each crop.
4. To evaluate the status of each nutrient element and simultaneously determine how to manage the nutrients.
5. To improve economic planning and decision making for a farmer.

Outcomes of This Add-on Course:

1. Employment generation for rural youth.
2. To develop elementary understanding regarding soil analysis and testing in the students.
3. To introduce them with macro and micro nutrients for soil.
4. To enhance their skills about soil analysis.
5. To develop practical skill among the students

Participants:

The Add-on Course brought together more than 20 B.Sc. students from institutions in DSC, Latur. It is important to emphasize the financial support provided by College authorities.

Inauguration and Presentations

The inauguration of the value added course was conducted by following authorities.

- Chief Guest : 1. Mr. Dinesh Kandle 2. Dr. Y. P. sarnikar

Acknowledgements

It has been our pleasure to host the add on course for the students of Dayanand science college, Latur. I am thankful to all participants for coming to attend the program and demonstration of soil analysis. I am sure that the participant must have benefited by attending this programme. I would like to record my sincere thanks to our chief guest Mr. Dinesh Kandle and HOD Dr.Y. P. sarnikar sir, Dr. A. M. Chougule, Dr. J. A. Angulwar from the chemistry department.

R.S. Shinde
Dr. R. S. Shinde

Course coordinator

[Signature]
HOD
HEAD
U.G. in Chemistry
Dayanand Science College
LATUR

[Signature]
IQAC coordinator
IQAC - Coordinator
Dayanand Science College
Latur, M.S. (INDIA)

[Signature]
Principal
PRINCIPAL
Dayanand Science College
LATUR

DAYANAND SCIENCE COLLEGE, LATUR

TIME TABLE

2022-2023

Add on course (Soil Analysis)

CLASS : B.Sc.

DIVISION :

HALL NO. : 02

INFORCE FROM : 19-09-2022

Period Time	Time ^e	II	III	INTERVAL			IV	V	VI	INTERVAL			VII	VIII	IX
MONDAY	8:00-9:00 pm Theory Soil Analysis H.N-09		PR - practical												
TUESDAY	S.A. H.N-09														
WEDNESDAY	S.A. H.N-09														
THURSDAY	S.A. H.N-09														
FRIDAY	S.A. H.N-09														
SATURDAY	S.A. H.N-09														

P.S. Shinde
Coordinator
P.S. Shinde

P.S. Shinde
PRINCIPAL
Dayanand Science College
LATUR

DAYANAND SCIENCE COLLEGE, LATUR

List of students in soil analysis value added course 2022-23

Sr.no	Roll.no	Name of student	Email ID	Signature
1	598	Musale Monika vijay	Monikamusale4@gmail.com	
2.	594	Shreedha Sharamappa Kalyani	Shradhakalyani@gmail.com	
3.	605	Saxge vaishnavi sanjaykumar	vaishnavisaxge2003@gmail.com	
4.	389	Rubde Ankita Rajesh	rubdeankitax@gmail.com	
5.	392	Sayyed sanjiv Taber.	sayyedtaber848@gmail.com	
6.	313	Akash yashwanth Hippale	Akashhippale469@gmail.com	
7.	408	Dhumal Ashwini Rajabhanu	ashwinidhumal300@gmail.com	
8.	658	Shitole Anant Shivaji	ash895108@gmail.com	
9.	653	Mitkari Daashan Bharat	daashanmitkari01@gmail.com	
10	399	Tetkar Vaishnavi Utkarsh	vaishnavitretkar09@gmail.com	
11.	657	shinde Vaibhav Satyawan	Vaibhavshinde11032002@gmail.com	
12	570	Dhavitte Nagrath Balaji	Nagrathdhavitte@gmail.com	
13	384	Patil Bhargavi Vijaykumar	bhargavivijaykumarpatil@gmail.com	
14	1101	Saetap Komal Khandul	Saetap-komalsaetap52@gmail.com	
15	651	chepure datta nagrath	chepured@gmail.com	
16.	1126	Dutkar Yogeshwari Apatkar	yogeshwariyogesh@gmail.com	
17	1086	Adsul Nisha machindro	Pratikodsul85@gmail.com	
18.	1090	Garad Uma Sanjay	umagarad69@gmail.com	
19.	1108	Suryawanshi Rutuja Sheshesoo	rutuja.suryawanshi2002@gmail.com	
20.	1087	Bhasale Akanksha Balasaheb	akankshabhasale462002@gmail.com	
21				
22				
23				

R.S. Shinde
Coordinator

P. S. Shinde
PRINCIPAL
Dayanand Science College
LATUR

Dayanand Science College, LatUr
 Attendance of Soil Analysis course 2022-23

Sr.no	Roll.no	Name of Students	19.8.2022														
			20	21	22	23	24	25	26	27	28	29	30	31			
1	598	MUSALE MAHILA V.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	594	SHADHA SHARANAPPA K.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	605	SARGE VAISHNAVI S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	389	RUBDE ANKITA R.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	393	SAYED SANIYA T.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	313	AKASH YEKHAWAT M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	408	DHARMAL ASHWINI R.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	658	SHIBBLE ANAND S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	653	MITKARI DARSHAN B.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	399	TEKALE VAISHNAVI V.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	657	SHINDE VAIBHAV S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	570	DHAYLE NAGANATH B.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	384	PATIL BHARGAVI V.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	1101	SATTAPE KORNAL K.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	651	CHEPURE DILITA N.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	1126	DUKARNE YOGESHWARJI A.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	1086	ADSIK NISHA M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	1090	GANGAD VERA S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	1108	SURJAYAWASHI RUTUJA S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	1087	BHOSALE AKRANSIKA B.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21																	
22																	
23																	

P.S. Shinde
 Coordinator

M. S.
 PRINCIPAL
 Dayanand Science College
 LATUR

Dayanand Science College LATUR
 Attendance of Soil Analysis Term 2022-23

Sr.no	Roll no	Name of Students	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
1	598	Musale Manika V.	P	P	P	P	P	P	P	P	P							
2	594	Shradha S. K.	P	P	P	P	P	P	P	P	P							
3	605	Saage Vaishnavi S.	P	P	P	P	P	P	P	P	P							
4	389	Rubde Ankita R.	P	P	P	P	P	P	P	P	P							
5	392	Sayed Saniya T.	P	P	P	P	P	P	P	P	P							
6	313	Akash Yashwanth H.	P	P	P	P	P	P	P	P	P							
7	408	Dhurnal Ashwini R.	P	P	P	P	P	P	P	P	P							
8	658	Shirale Anant S.	P	P	P	P	P	P	P	P	P							
9	653	Mitkari Dareshan B.	P	P	P	P	P	P	P	P	P							
10	399	Tekale Vaishnavi V.	P	P	P	P	P	P	P	P	P							
11	657	Shinde Vaishnavi S.	P	P	P	P	P	P	P	P	P							
12	570	Pharve Meghalka B.	P	P	P	P	P	P	P	P	P							
13	384	Patil Bhargavi V.	P	P	P	P	P	P	P	P	P							
14	1101	Sastoge Karol K.	P	P	P	P	P	P	P	P	P							
15	651	Chepure Alakya N.	P	P	P	P	P	P	P	P	P							
16	1126	Dukare Yogeshwari A.	P	P	P	P	P	P	P	P	P							
17	1086	Adsul Nisha M.	P	P	P	P	P	P	P	P	P							
18	1090	Gaazad Urna S.	P	P	P	P	P	P	P	P	P							
19	1108	Surayawanshi Rutuja S.	P	P	P	P	P	P	P	P	P							
20	1087	Bhosale Akanksha B.	P	P	P	P	P	P	P	P	P							

R. S. Shinde
 Coordinator

Principal

M. PRINCIPAL
 Dayanand Science College
 LATUR



Dayanand Education Society's
Dayanand Science College

Latur, Maharashtra (India)

(UGC - CPE College)

(DST-FIST Sponsored College)

(Best College Award by SRTMU, Nanded)

(Affiliated to - Swami Ramanand Teerth Marathwada University, Nanded)

Establishment : June 1961

Independent : 1967

Re-accredited 'A' Grade
CGPA 3.21

Phone No.: (02382) 221149, 222929

E-mail : daya_scin1@rediffmail.com

Fax No. : (02382) 221149

Website : www.dsclatur.org

Laxmiraman Lahoti
President

Dr. Jaiprakash Dargad
Principal

Ramesh Biyani
Secretary

Ref. No. 36 /2022-23/ 2169

Date : 12.09.2022

To,
The Distric Soil Survey & Soil,
Testing officer,
Ambajogai Road,
Latur.

Subject:- Regarding information about soil analysis & testing.

Respected Sir,

With reference to above cited subject out B.Sc. students need your guidance about soil analysis & testing.

So we request you to organize practical demo of soil analysis for our students.

Thank you for your kind cooperation.

Received
@scin
Agnit. Supervisor
D. Soil. S. S.T. Latur
जिल्हा मृद संवेक्षण व मृद
सावणी अधिकारी, लातूर

Principal
PRINCIPAL
Dayanand Science College
LATUR

DAYANAND SCIENCE COLLEGE, LATUR

NOTICE

Date : 12.09.2022

All the students (B. Sc. , BCS & M.Sc.) are hereby informed that our college organized value added course on Soil Analysis. The course was design as per global scenario make world more competitive & requires high level of lateral thinking & spirit of entrepreneurship to cope up with emerging challenges. This course prepare the students to meet industry demands & develop their own interests & aptitudes. The interested students enroll their name before 16.09.2022 or contact to Dr. R. S. Shinde, Chemistry department.

Dr. R. S. Shinde
+91 94220 2140

B.Sc. I Chem
R. S. Shinde
Coordinator

B.Sc. T. Y. Math
D. S. B. Jadhav
B.Sc. F.Y.

Ram
B.Sc. F.Y. Micro

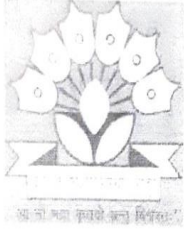
S. Patel
B.Sc. F.Y. Micro

B.Sc. I Chem
Shinde
13.9.22
B.Sc. II Bot.

Dr. S. Bellare, B.Sc. II
12.09.2022

B.Sc. II Zool
J. G. Desai
13/9/22

Principal
PRINCIPAL
Dayanand Science College
LATUR
B.Sc. F.Y. Bot
16.09.22



Dayanand Education Society's Dayanand Science College

Latur, Maharashtra (India)
(DST-FIST Sponsored College)

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Fax No : (02382) 221149

E-mail : daya_scin1@rediffmail.com

Website : www.dsclatur.org

Laxmiraman Lahoti
President

Dr. J.S. Dargad
Principal

Ramesh Biyani
Secretary

Ref. No. Per/2022-23/ 2190

Date : 16/09/2022

To,
Dr. A. M. Chaugule,
Head of Department,
Industrial Chemistry,
Dayanand Science College, Latur


Subject :- Regarding Add on Course.

Sir,

With reference to above subject you are appointed as a Chair person for preparation of curriculum of Add-on Course entitled as Soil Analysis on or before 19.09.2022. Please prepare the same and submit to Dr. R. S. Shinde, Course Co-ordinator.

Thanking You,

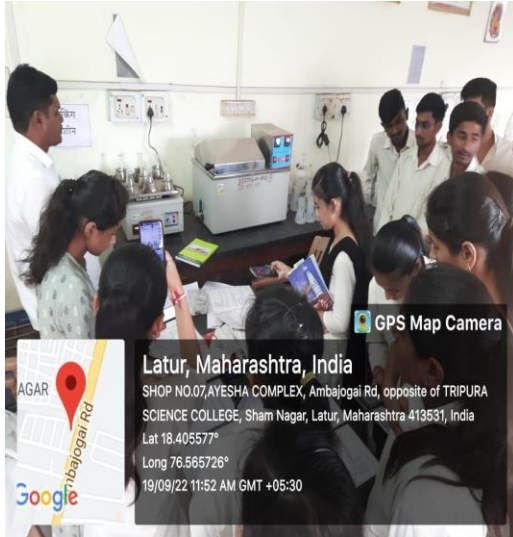

Course Co-ordinator


Principal
PRINCIPAL
Dayanand Science College
LATUR

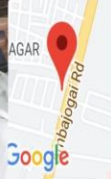


GPS Map Camera

Latur, Maharashtra, India
CH48+74R, Sham Nagar, Latur, Maharashtra 413531, India
Lat 18.405778°
Long 76.565133°
19/09/22 11:07 AM GMT +05:30



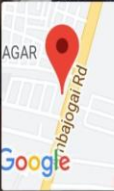
GPS Map Camera



Latur, Maharashtra, India
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SCIENCE COLLEGE, Sham Nagar, Latur, Maharashtra 413531, India
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Long 76.565726°
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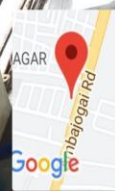
GPS Map Camera



Latur, Maharashtra, India
SHOP NO.07,AYESHA COMPLEX, Ambajogai Rd, opposite of TRIPURA
SCIENCE COLLEGE, Sham Nagar, Latur, Maharashtra 413531, India
Lat 18.405577°
Long 76.565726°
19/09/22 11:45 AM GMT +05:30



GPS Map Camera



Latur, Maharashtra, India
SHOP NO.07,AYESHA COMPLEX, Ambajogai Rd, opposite of TRIPURA
SCIENCE COLLEGE, Sham Nagar, Latur, Maharashtra 413531, India
Lat 18.405577°
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19/09/22 11:37 AM GMT +05:30



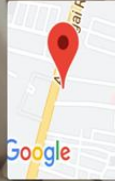
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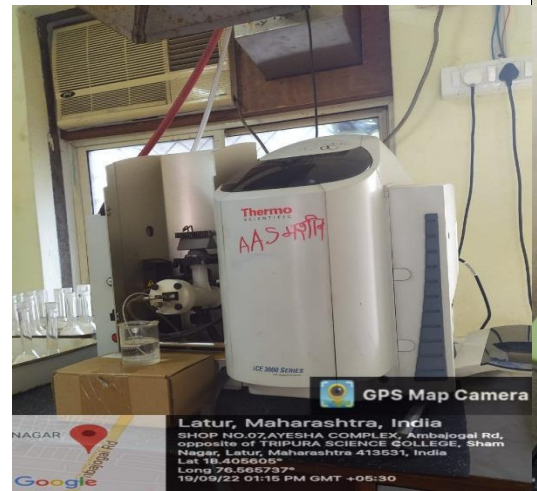
Latur, Maharashtra, India
SHOP NO.07,AYESHA COMPLEX, Ambajogai Rd, opposite of TRIPURA
SCIENCE COLLEGE, Sham Nagar, Latur, Maharashtra 413531, India
Lat 18.405577°
Long 76.565726°
19/09/22 11:36 AM GMT +05:30



GPS Map Camera



Latur, Maharashtra, India
Ambajogai Road, Netaji Nagar, Deep Jyoti Nagar, Latur,
Maharashtra 413531, India
Lat 18.403869°
Long 76.565708°
19/09/22 11:18 AM GMT +05:30



IQAC of Dayanand Science College, Latur in its CDC meeting decided to introduce new pilot add-on courses for the academic sessions from session 2022-23. The continuation of these courses after three year will be depend on interest and participation of students, course outcomes and financial provisions from the Institution.

Outcome of the Course:-

1. Employment generation for rural youth.
2. To develop elementary understanding regarding soil analysis and testing in the students.
3. To introduce them with macro and micro nutrients for soil.
4. To enhance their skills about soil analysis.
5. To develop practical skill among the students

Instructional Design:-

This course is of 30hrs duration which includes theory and Practical classes, field Visit, Assignment and Field Project.

Course Structure and Examination Scheme:-

Course No.	Course Name	Contact Classes (Hour)	Laboratory Experiment (Hour)	Internal Marks	External Marks		Total Marks
					Theory/Practical	Project	
1	Soil analysis	10	20	20	50	30	100

Note: Each student should compulsorily submit Field Project Report not less than 20 pages

Eligibility: All students belongs to UG / PG are eligible to enroll for course.

Course Fee: Not Applicable/ Free

No. of Seats: 20

Grading system:- Following Percentage based grading system will be applicable to the course.

Range of % of marks	Grade
85- 100	A++
80-<85	A+
75-<80	A
65-<75	B++
55-<65	B+
45- <55	B
40- <45	C
<40	Fail

Quality Assurance Mechanism: The quality of the course will be ensured through continuous evaluation of feedback from students and course coordinator by IQAC of the College.

Course time table : 6 Lectures per week, Practical's during Hollidays, Sunday, Diwali & Summer Vocations.

Course evaluation: Practical skill, attendance, project report, lab tests and tutorials require to be taken during course period to evaluate the methodology.

Theory+ journal + Practical + Viva	- 20 marks x 1= 20
Attendance + Visit report	- 20 marks x 1 = 20
Project report + Viva	- 10 marks x 1 = 10

=====
Total=50

Reference Book:

1. **Introductory Soil Science”** authored by Dillip Kumar Das.
2. **The Nature and Properties of Soil”** by N.C.Brady and Ray.R.Weil.
3. **Soils , India Physical Environment (NCERT- 11th class) : Classification of Indian Soils.**
4. <https://bsssjournals.onlinelibrary.wiley.com/doi/abs/10.1111/ejss.13259>

Syllabus :- Value added course On Soil analysis

Theory:

Unit I- Introduction to Soil analysis, Types of soil, Soil sampling, Soil collection, Soil Screening, Soil pollutants, role of soil testing for environment, Uses of soil analysis.

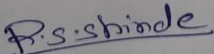
Practicals:


Unit II- Practicals of Soil Analysis

1. To determine the PH of a given soil sample.
2. To determine Major nutrient content (NPK) of soil.
3. To determine Secondary nutrients content (Ca, Mg, S) of soil.
4. To determine Micro nutrients content (Zn, Fe, Cu, Mn and B) of soil.
5. To determine Electrical conductivity of a given soil sample.
6. To determine micronutrient content of soil samples.
7. To determine Organic carbon content of soil samples.

This proposal is placed before IQAC of Dayanand Science College, Latur for syllabus approval.


IQAC
IQAC - Coordinator
Dayanand Science College
Latur, M.S. (INDIA)


Coordinator
IQAC - Coordinator
Dayanand Science College
Latur, M.S. (INDIA)

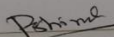

Principal
PRINCIPAL
Dayanand Science College
LATUR


CERTIFICATE OF APPRECIATION


THE FOLLOWING CERTIFICATE IS GIVEN TO

SAYYED SANIYA TAHER

has successfully completed 30 hr value added course on Soil Analysis as per guidelines of UGC and Swami Ramanand Teerth Marathwada University Nanded conducted by Department of Chemistry Dayanand Science college latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories.


Dr. R. S. Shinde
Co-ordinator


Dr. Y. P. Sarnikar
H.O.D

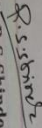

Dr. J. S. Dargad
Principal
PRINCIPAL
Dayanand Science College
LATUR

CERTIFICATE OF APPRECIATION


THE FOLLOWING CERTIFICATE IS GIVEN TO

MR. SHIROLE ANANT SHIVAJI

has successfully completed 30 hr value added course on Soil Analysis as per guidelines of UGC and Swami Ramanand Teerth Marathwada University Nanded conducted by Department of Chemistry Dayanand Science college latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories.


Dr. R. S. Shinde
Co-ordinator


Dr. Y. P. Sarnikar
H.O.D

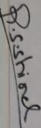

Dr. J. S. Dargad
Principal


CERTIFICATE OF APPRECIATION


THE FOLLOWING CERTIFICATE IS GIVEN TO

MR. SHINDE VAIBHAV SATYAWAN

has successfully completed 30 hr value added course on Soil Analysis as per guidelines of UGC and Swami Ramanand Teerth Marathwada University Nanded conducted by Department of Chemistry Dayanand Science college latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories.


Dr. R. S. Shinde
Co-ordinator


Dr. Y. P. Sarnikar
H.O.D

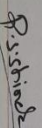

Dr. J. S. Dargad
Principal

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
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MR. DHAIVLE NAGNATH BALAJI

has successfully completed 30 hr value added course on Soil Analysis as per guidelines of UGC and Swami Ramanand Teerth Marathwada University Nanded conducted by Department of Chemistry Dayanand Science college latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories.


Dr. R. S. Shinde
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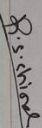

Dr. J. S. Dargad
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
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MR. CHEPURE DATTATRAY NAGNATH

has successfully completed 30 hr value added course on Soil Analysis as per guidelines of UGC and Swami Ramanand Teerth Marathwada University Nanded conducted by Department of Chemistry Dayanand Science college latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories.


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
THE FOLLOWING CERTIFICATE IS GIVEN TO

Miss. DHUMAL ASHWINI RAJABHAU

has successfully completed 30 hr value added course on Soil Analysis as per guidelines of UGC and Swami Ramanand Teerth Marathwada University Nanded conducted by Department of Chemistry Dayanand Science college latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories.


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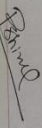

Dr. J. S. Dargad
Principal

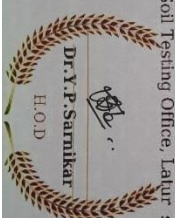
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
THE FOLLOWING CERTIFICATE IS GIVEN TO

MISS. ANKITA RAJESH RUBDE

has successfully completed 30 hr value added course on Soil Analysis as per guidelines of UGC and Swami Ramanand Teerth Marathwada University Nanded conducted by Department of Chemistry Dayanand Science college latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories.


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Co-ordinator



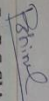

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
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MISS. SURYAWANSHI RUTUJA SHESHERAO

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Dr. R. S. Shinde
Co-ordinator


Dr. Y. P. Sarnikar
H. O. D.
Department of Chemistry
Dayanand Science College
Latur



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
THE FOLLOWING CERTIFICATE IS GIVEN TO

MISS. SARGE VAISHNAVI SANJAYKUMAR

has successfully completed 30 hr value added course on Soil Analysis as per guidelines of UGC and Swami Ramanand Teerth Marathwada University Nanded conducted by Department of Chemistry Dayanand Science college latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories.


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Dr. Y. P. Sarnikar
H. O. D.
Department of Chemistry
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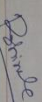

Dr. J. S. Dargad
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
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MISS. SARTAPE KOMAL KHANDU

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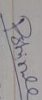

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
THE FOLLOWING CERTIFICATE IS GIVEN TO

MISS. SHRADHA SHARANAPPA KALYANI

has successfully completed 30 hr value added course on Soil Analysis as per guidelines of UGC and Swami Ramanand Teerth Marathwada University Nanded conducted by Department of Chemistry Dayanand Science college latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories.


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Dayanand Science College
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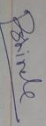

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
THE FOLLOWING CERTIFICATE IS GIVEN TO

MISS. MONIKA VIJAY MUSALE

has successfully completed 30 hr value added course on Soil Analysis as per guidelines of UGC and Swami Ramnand Teerth Marathwada University Nanded conducted by Department of Chemistry Dayanand Science college latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories.


Dr. R. S. Shinde
Co-ordinator




Dr. J. S. Dargad
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
THE FOLLOWING CERTIFICATE IS GIVEN TO

Akash Yeshwant Hirpale

has successfully completed 30 hr value added course on Soil Analysis as per guidelines of UGC and Swami Ramnand Teerth Marathwada University Nanded conducted by Department of Chemistry Dayanand Science college latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories.


Dr. R. S. Shinde
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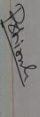

Dr. J. S. Dargad
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
THE FOLLOWING CERTIFICATE IS GIVEN TO

MISS. GARAD UMA SANJAY

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Dr. R. S. Shinde
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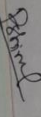

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
THE FOLLOWING CERTIFICATE IS GIVEN TO

MISS. DUKARE YOGESHWARI AGATRAO

has successfully completed 30 hr value added course on Soil Analysis as per guidelines of UGC and Swami Ramnand Teerth Marathwada University Nanded conducted by Department of Chemistry Dayanand Science college latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories.


Dr. R. S. Shinde
Co-ordinator





Dr. J. S. Dargad
Principal

CERTIFICATE OF APPRECIATION

THE FOLLOWING CERTIFICATE IS GIVEN TO

MR. MITAKARI DARSHAN BHARAT

has successfully completed 30 hr value added course on Soil Analysis as per guidelines of UGC and Swami Ramanand Teerth Marathwada University Nanded conducted by Department of Chemistry Dayanand Science college latur in collaboration with Assistant Director, Dist. Soil Survey & Soil Testing Office, Latur soil analytical laboratories.


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

Dr. J. S. Dargad
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
THE FOLLOWING CERTIFICATE IS GIVEN TO

MISS. ADSUL NISHA MACHINDRA

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Dr. R. S. Shinde
Co-ordinator





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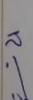
THE FOLLOWING CERTIFICATE IS GIVEN TO

Miss. PATIL BHARGAVI VIJAYKUMAR

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Dr. R. S. Shinde
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Dr. J. S. Dargad
Principal

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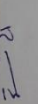
THE FOLLOWING CERTIFICATE IS GIVEN TO

MISS. TEKALE VAISHNAVI UDHAVRAO

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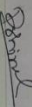

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
MISS. BHOSALE AKANKSHA BALASAHEB

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Dr. R. S. Shinde
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Dr. Y. P. Sarnikar
H.O.D.

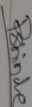

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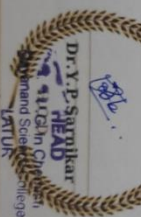
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
Miss. SHETE SAKSHI GANESH

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Dr. Y. P. Sarnikar
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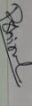

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
MISS. SONWANE PRUTHVI RHADAY

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H.O.D.


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Principal

