



स्थापना - १९७०

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Chemistry & Analytical Chemistry

Documentation of Activity Programme

A) Summary Report on the Activity

1) Title of Programme:		One Day Hands-on Training Workshop on “Analytical Research Instruments (ARI-2026)”		
2) Name of Organizing Department/ Unit:		Department of Chemistry & Analytical Chemistry, R.S.M., Latur		
3) Name of the Coordinator(s)/ Convener(s)/Organizer(s) of the Programme:		Chairperson: Prof. Sadashiv Shinde, Vice-Principal & HoD Botany, R.S.M., Latur. Coordinator: Dr. Kundan Tayade, Assistant Professor, Dept of Chemistry & Analytical Chemistry, R.S.M., Latur.		
4) Date(s) of the Programme & Time:		Date: 07 th March 2026 Time: 11.00 AM to 05.00 PM		
5) Venue/Mode:		Central Instrumentation Center (CIC), R.S.M., Latur.		
6) Target Group:		For Faculty & Research Scholars (Other Colleges)		
7) Number of Participants:		Male	Female	Total
Annexed List of Attendee: (Annexure A)	Teaching	00	07	07
	Students	08	17	25
	Research Scholar	02	01	03
	Total	10	25	35

8) Name(s) and details of Resource Person(s):	1. TGA (Trainer: Dr. Kundan Tayade) 2. HPLC (Trainer: Prof. Maroti Sudewad) 3. UV-Visible Spectrophotometer (Trainer: Prof. Akshay Bhandare) 4. Spectrofluorometer (Trainer: Dr. Ratan Jadhav) Department of Chemistry & Analytical Chemistry, Rajarshi Shahu Mahavidyalaya, Latur
9) Total Expenditure for the Programme:	Nil
10) Source of Funding:	Nil

B) Report of Event Dated 19.03.2021

i. Title:

One Day Hands-on Training Workshop on “**Advanced Research Instruments-2026 (ARI-2026)**” Dated **07th March 2026**.

ii. Introduction:

Since hands on training gives students the opportunity to practice new skills, a hands-on approach is an effective way to teach real-world research skills. Instead of passively taking in a lecture that they will soon forget, learners actively participate in their education. Practical instruction improves memory retention and results in long-lasting changes in scientific behavior, which leads to an immediate improvement in the ability to handle complex instruments. Additionally, these programs are crucial since they provide trainees seeking insights into advanced analytical tools with improved competency to meet the demands of the modern technological era and work competencies.

iii. Objectives of the Workshop/ Issues Addressed:

- To provide Hands-on Training to Faculty, Research Scholars and PG Students from other colleges on Sophisticated Analytical Instruments.
- To make the delegates familiar with the Principle, Working and Applications of the Sophisticated Analytical Instruments.
- To make their perceptions regarding Sophisticated Analytical Instruments vivid for long lasting retention of knowledge.
- To enhance their job competencies and avail industries with the trained workforce.
- To make sophisticated instruments versed faculty.
- To cater towards Social Scientific Responsibilities (SSR).

iv. Details of Participants:

A total of **35** participants (Male **10** and Female **25**) from **Dayanand Science College, Latur** and **Rajarshi Shahu Mahavidyalaya, Latur** have attended the Hands-on Training Workshop.

v. Brief Summary of events/Sessions:

The program was inaugurated by Hon'ble Vice-Principal Dr. Sadashiv Shinde, Rajarshi Shahu Mahavidyalaya, Latur. Dr. Kundan Tayade, Prof. Maroti Sudewad, Dr. Ratan Jadhav and Prof. Akshay Bhandare, Assistant Professors in Chemistry and Analytical Chemistry, Rajarshi Shahu Mahavidyalaya, Latur were availed as the resource persons. All the faculty members of Department of Chemistry & Analytical Chemistry contributed to the arrangement of the programme. Dr. Kundan Tayade explained the Principle and Working of Thermogravimetric Analyzer, TGA (Perkin Elmer), Prof. Maroti Sudewad elaborated & trained the aspirants on HPLC (JASCO), Dr. Ratan Jadhav provided training on spectrofluorometer (JASCO) and Prof. Akshay Bhandare provided training on UV-Visible Spectrophotometer (JASCO). Also, the trainers elaborated on the advantages of these instruments, their research relevance. The Trainer Resource Persons cleared the doubts of the delegates.

vi. Conclusion, with Feedback the Workshop:

The program met its goals and taught practical skills. Attendees used all the sophisticated instruments through hands-on training. They gained real-world practice by running the machines themselves. The faculty & research scholars who joined the workshop depicted satisfaction and thanked the team for the great sessions and sound arrangement.

Key Results

- **Goals Achieved:** The session taught useful skills.
- **Hands-on Practice:** Attendees used the UV-Visible Spectrophotometer, Spectrofluorometer, TGA and HPLC.
- **Real-world Use:** People ran the equipment on their own.
- **Positive Feedback:** Faculty, Research Scholars and PG Students thanked the team and felt pleased.
- **Scientific Social Responsibility (SSR):** Catered the Scientific Social Responsibility by training the faculty, Research Scholars and Students from outside the college.

vii. Any Appendix If Necessary:

List of participants: **Annexure A**

Program Schedule: **Annexure B**

C) Geotagged Photographs/Screenshots:



The Hands-on Training Programme Coordinator Dr. Kundan Tayade Outlining the Programme Structure



Glimpse of the Faculty & Students From Dayanand Science College, Latur, Seeking Hands-on Training on HPLC



The Hon'ble Vice-Principal Prof. Sadashiv Shinde Addressing the Participants in the Programme



The Participants for the Hands-on Training Programme

D) Brochure/Flyer of the Program:



शिव छत्रपती
शिक्षण संस्था
सामर्थ

॥ कार्येते कर्मणे श्रुतिर्हि ॥

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Empowered Autonomous)

Department of Chemistry & Analytical Chemistry

(Under DST-FIST)

Hands-On Training On



FIST
Department of Science and Technology
FUND FOR IMPROVEMENT OF S&T INFRASTRUCTURE

“Advanced Research Instruments-2026 (ARI-2026)”

For Faculty & Research Scholars (Other Colleges)



Date: 07.03.2026
Time: 11.00 AM

Organiser

Dr. Mahadev Gavhane **Prof. Sadashiv Shinde** **Dr. Dhananjay Palke**
(Principal) (Vice-Principal) (HoD)

venue

Central Instrumentation Center (CIC),
Rajarshi Shahu Mahavidyalaya, Latur

Coordinator: Dr. Kundan Tayade
Mob. 9503960113

Registration Link:
<https://forms.gle/Cgya6Jsn54WAi8kn8>

Instruments

- ☐ TGA (Trainer: Dr. Kundan Tayade)
- ☐ HPLC (Trainer: Prof. Maroti Sudewad)
- ☐ UV-Visible Spectrophotometer (Prof. Akshay Bhandare)
- ☐ Spectrofluorometer (Dr. Ratan Jadhav)

Organizing Committee: All faculty of the Department



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List of Participants (Annexure A) Rajarshi Shahu Mahavidyalaya, Latur

One Day Hands-on Training Workshop on

“Analytical Instrumentation Training (ARI-2026)”

(Dated 07th March 2026)



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
Empowered Autonomous Institution

Students Attendance for Program Workshop / Seminar / Guest Lecture

Note: It is mandatory to send this report along with the photographs of the program on
rsmactivitypermission@gmail.com and cc to iqacrsml@gmail.com

Name of the Department	Chemistry & Analytical Chemistry
Title of Program:	Advanced Research Instruments
Date and Time of the program:	07 th March 2026, 11:00 AM
Name & Details of the Expert / Resource Person:	Prof. Maroti Sudewad, Prof. Akshay Bhandare, Dr. Ratna Jadhav and Dr. Kundan Tayade, R.S.M., Latur
Class:	Faculty, Research scholars & PG stud
No. of Students Participated:	25
Outcomes of the Program:	
As a consequence of this Hands-on training the faculty & Research scholars will get expertise in the high end instruments. Also the PG students will get the Real-Time experience in line with the theory learnt.	

Attendance For Boys ☐ / Girls ☒					
Sr. No.	Student Name	Class	Mobile No.	E-Mail ID	Sign.
1	chevle komal. V	Msc II	8999686398	chevle.komal.2002@gmail.com	
2	Shinde Mahadevi G.	Msc II	8262026507	modhursi.bairche@gmail.com	
3	Swami Nandini N.	Msc II	7219524722	nandiniswami29@gmail.com	
4	Kulkarni Jyoti Housinh	Msc II	7822083617	kulkarni.jyoti2021@gmail.com	
5	Kulkarni Anushka Anand	Msc II	9373500247	anushka.kulkarni567@gmail.com	
6	Kalme Padma Khiraki	Msc II	8767901288	padmakalme@gmail.com	
7	Jadhav Pooja Jivan	Msc II	9022402058	jsnehal919@gmail.com	
8	Patil Jyoti Jitencha	Msc II	7658416731	patil.jyoti9612@gmail.com	
9	Landge Ankita Ranjit	Msc II	8888740254	ankitalandge102@gmail.com	
10	sawade sneha Dilip	Msc II	9322845724	snehasawade12@gmail.com	
11	Yadav Pratiksha Vyankat	Msc II	7219436704	Vyankat.yadav@gmail.com	

YAO



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Rajarshi Shahu Mahavidyalaya, Latur
Empowered Autonomous Institution

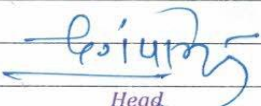
Students Attendance for Program Workshop / Seminar / Guest Lecture

Note: It is mandatory to send this report along with the photographs of the program on rsmlactivitypermission@gmail.com and cc to iqacrsml@gmail.com

Name of the Department	Chemistry & Analytical Chemistry
Title of Program:	Advanced Research Instruments (ARI)
Date and Time of the program:	07 th March 2026, 11.00 am
Name & Details of the Expert / Resource Person:	Prof. Maroti Sudewad, Prof. Akshay Bhandare, Dr. Ratan Jadhav and Dr. Kundan Tayade, R.S.M. Latur
Class:	Faculty, Research Scholars & PG Students
No. of Students Participated:	10
Outcomes of the Program:	As a consequence of this Hands-on training the faculty & Research Scholars will get expertise in the high end instruments. Also the PG Students will get the Real-Time experience in line with the theory learnt.

Attendance For Boys ☒ / Girls ☐

Sr. No.	Student Name	Class	Mobile No.	E-Mail ID	Sign.
1>	Krishna Khandu Mune	Msc-Sy	7414360140	Kmune319@gmail.com	Krishna
2>	Santambale Shankar Venkat	MSC Sy	8308146746	SantambaleShankar34326@gmail.com	Santambale
3>	Omkar Keshav Bharti	MSc-Sy	8459356920	ombharto6@gmail.com	Omkar
4>	Tejas Sanjay Kumbale	MSC-Sy	9518561685	tejas.kumbale@gmail.com	Tejas
5>	Gaurav Ganesh Koparkar	MSc Sy	9373891028	gauravkoparkar1028@gmail.com	Gaurav
6>	Ahas Mohsin Bayazad	Msc-Sy	902894812	bayazeedanes06@gmail.com	Ahas
7>	Pathan Sohail Jalil	M.Sc (Sy)	7620233092	sohailpathan511@gmail.com	Pathan
8>	Koli Aditya Appasaheb	MSc-Sy	9307100012	KoliAditya269@gmail.com	Koli


Head
Department of Chemistry
& Analytical Chemistry,
Rajarshi Shahu Mahavidyalaya,
(Autonomous) LATUR-413512




PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Research Scholars

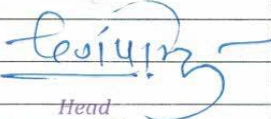
Research Scholars				
1.	Mr. Suraj S. Revankar	R.Schl.	7758058064	revankarss.0102@gmail.com <u>Suraj</u>
2	Mz. shankaz S. Reddy	R. Schl.	9878225668	reddyshankazss88@gmail.com <u>Reddy</u>
<u>Coordiner</u> Head Department of Chemistry & Analytical Chemistry, Rajarshi Shahu Mahavidyalaya, (Autonomous) LATUR-413512  <u>Principal</u> Rajarshi Shahu Mahavidyalaya, (Autonomous)				

Head
Department of Chemistry
& Analytical Chemistry,
Rajarshi Shahu Mahavidyalaya,
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Faculty & Research Scholars

1.	Manisha P. Munde	R.Scholar	7774972848	mmunde418@gmail.com	Munde
2.	Miss Mayura V. Hawaldar	Faculty	9763600223	mayuriahawaldar2022@gmail.com	Mahadikar
3.	Miss. Harshada S. Nalge	Faculty	8830745189	harshadanalge17@gmail.com	Harshada
4.	Ms. Rupali Kattkar	Faculty	7249522859	rupalikattkar08@gmail.com	Rupali
5.	Ms. Shinde Anuja	Faculty	7820661877	ashinde2592000@gmail.com	Anushinde
6.	Dr. Mangal Gagare.	Faculty	9850443313	mangal.599942@gmail.com	Mangal
7.	Anuja Nagnath Yelgutte	Faculty	7507966261	yelgutteanuja@gmail.com	Yelgutte
8.	Ms. P. N. Jagtap	Faculty	7798118531	pratikshapn.jagtap@gmail.com	Jagtap
 Head Department of Chemistry & Analytical Chemistry, Rajarshi Shahu Mahavidyalaya, (Autonomous) LATUR-413512				 PRINCIPAL Rajarshi Shahu Mahavidyalaya (Autonomous)	



Programme Schedule (Annexure B)
Rajarshi Shahu Mahavidyalaya, Latur
One Day Hands-on Training Workshop on
“Analytical Instrumentation Training (ARI-2026)”
(Dated 07th March 2026)

Time	Particulars
11.00 AM – 11.15 AM	Inauguration of the Workshop
11.15 AM – 12.00 Noon	Principal & Working of TGA
12.00 Noon – 12.45 PM	Principal & Working of HPLC
12.45 PM – 01.30 PM	Principal & Working of Spectrofluorometer
01.30 PM – 02.15 PM	Principal & Working of UV-Visible Spectrophotometer
Lunch Break (02.15 PM – 03.00 PM)	
03.00 PM – 05.00 PM	Hands-on Training Sessions (Simultaneously Groupwise on all instruments)
05.00 PM – 05.15 PM	Valedictory Function

Coordinator

(Dr. Kundan Tayade)

HoD

(Prof. Dr. Dhananjay Palke)

Principal

(Dr. Mahadev Gavhane)

PRINCIPAL

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