



Shiv Chhatrapati Shikshan Sanstha's  
**Rajarshi Shahu Mahavidyalaya, Latur**  
 (Autonomous)



**Department of Chemistry & Analytical Chemistry**

**I. Documentation of Activity/Event/ Programme**

**A) Summary Report of the Activity**

1) Title of Programme	DST-FIST Sponsored <b>One-day Hands-on Training Program on “Sophisticated Analytical Instruments-2025” (SAI-2025)</b>	
2) Name of Organizing Department/Unit	Department of Chemistry & Analytical Chemistry	
3) Name of the Coordinator(s)/ Convener(s)/Organizer(s) of the Programme	<b>Chairperson:</b> Principal Dr. Mahadev Gavhane <b>Convener:</b> Dr. Kundan Tayade	
4) Date(s) of the Programme & Time	15 <sup>th</sup> March 2025, 10.30 AM to 06.00 PM	
5) Venue/Mode	Central Instrumentation Center (CIC), RSML, Latur	
6) Target Group	PG Students From Shivaji Mahavidyalaya, Udgir	
7) Number of Participants		
A separate list with signatures should be maintained in the Department/Unit)	Male	08
	Female	09
	Total	<b>17</b>
8) Name(s) and details of Resource Person(s), if any	<b>Mr. Maroti Sudewad</b> Assistant Professor, Department of Chemistry, Rajarshi Shahu Mahavidyalaya, Latur  <b>Mr. Akshay Bhandare</b> Assistant Professor, Department of Chemistry, Rajarshi Shahu Mahavidyalaya, Latur	
9) Total Expenditure for the Programme	3890/-	
10) Source of Funding	<b>Under the DST-FIST PG College Project Scheme (Scientific Social Responsibility, SSR)</b>	

## **B) Report of Event**

### **i. Title:**

DST-FIST Sponsored **One-day Hands-on training program on “Sophisticated Analytical Instruments-2025” (SAI-2025)** on 15<sup>th</sup> March 2025, 11.00 AM

### **ii. Introduction:**

For students interested in fields such as science research, quality control, pharmaceuticals, food, and environmental monitoring, practical training with several pieces of analytical equipment is essential. Under the DST-FIST PG College Project Scheme, the Department of Chemistry & Analytical Chemistry, Rajarshi Shahu Mahavidyalaya, Latur, took a one-day hands-on training session on "High-End Sophisticated Equipment". The intent of this event was to empower S&T students by addressing the gap between theoretical understanding and practical applications in instrumental analysis. Postgraduate students studying chemistry were the main target of the program.

### **iii. Objectives of the Workshop/ Issues Addressed:**

- Acquaint students with the operation and applications of high-end analytical instruments.
- Augment the practical skill in students.
- Provide real-time demonstrations and hands-on experience with sophisticated laboratory equipment.

### **iv. Details of Participants:**

The workshop witnessed enthusiastic participation from postgraduate students from Shivaji Mahavidyalaya, Udgir. 17 participants attended the Hands-on Training Program.

### **v. Brief Summary of Events/ Sessions:**

The event commenced with a welcome speech by the Convener, Dr. Kundan Tayade. Principal, Dr. Mahadev Gavhane gave introductory remarks. Vice-Principal Sadashiv Shinde & faculty members of Department of Chemistry & Analytical Chemistry, were present. Following the formal inaugural session, the hands-on sessions was conducted by the Resource Persons Mr. Maroti Sudewad and Mr. Akshay Bhandare, who delivered an in-depth overview of the theoretical concepts and practical applications of high-end analytical instruments. Their demonstration included real-time operations of sophisticated equipment, covering key aspects such as sample preparation, instrument calibration, data acquisition, and troubleshooting. Additionally, the program featured an interactive Q&A session, during which students excitedly

engaged with the experts, seeking clarification on instrumentation challenges, exploring career opportunities, and discussing the role of advanced equipment in scientific innovation.

**vi. Conclusion, with Feedback on the Workshop:**

The training program successfully fulfilled its goal of equipping participants with practical knowledge of sophisticated instruments used in modern scientific analysis. This initiative is a significant step toward fostering technical skills among young science students, supporting their academic and professional development. Participants expressed satisfaction with the detailed demonstrations and found the hands-on exposure extremely beneficial. Students and faculty highlighted an increased interest in pursuing instrumentation-based careers and research work following the training.

**vii. Any Appendix if Necessary:**

- List of Participants: [Annexure A](#)

**Convener**

**HoD**

**DST-FIST Coordinator**

**Principal**

### C) Geotagged Photographs

DST-FIST Sponsored **One-day Hands-on Training Program on “Sophisticated Analytical Instruments-2025” (SAI-2025)** on 15<sup>th</sup> March 2025 (Saturday), 11.00 AM



Mr. Akshay Bhandare, Depicting Instruments to Participants in Hands-on Training Program.



Mr. Maroti Sudewad, Depicting Hands-on Training on HPLC Software and Demonstrating the Instrument.




Students Keenly Engaged with the Expert in Interactive Q&A Session.




Mr. Maroti Sudewad, Interacting with Participants in the Valedictory Session of the Hands-on Training Program.

**D) Brochure/Flyer of the Program:**



शिव छत्रपती  
शिक्षण संस्था  
स्थापना - १९७०



FIST  
FACULTY INSTITUTE  
STRUCTURE  
IMPROVEMENT OF S&T INFRASTRUCTURE

Shiv Chhatrapati Shikshan Sanstha's  
Rajarshi Shahu Mahavidyalaya, Latur  
(Autonomous)  
**Department of Chemistry and Analytical Chemistry**  
Under DST-FIST 1817 Scheme  
&  
Student Exchange Programme  
*Organized*  
*One day*  
Hands-On training program  
*On*  
**"Sophisticated Analytical Instruments-2025 "(SAI-2025)**

<b>Chairperson</b> <b>Dr. Mahadev Gavhane</b> Principal, RSML	<b>Chief Organizer</b> <b>Dr. Dhananjay palke</b> HoD	<b>Convener</b> <b>Dr. Kundan Tayde</b> DST-FIST Coordinator
<b>Resource Person</b> <b>Mr. Maroti Sudewad</b> Dept of Chemistry, RSML	<b>Resource Person</b> <b>Mr. Akshay Bhandare</b> Dept of Chemistry, RSML	

**Date: 15<sup>th</sup> March 2025 at 10.30 am**

**Venue: Central Instrumentation Centre(CIC)**

DST-FIST Sponsored  
**One-day Hands-on Training Program on “Sophisticated Analytical Instruments-2025”**  
**(SAI-2025)**

**Date:**15<sup>th</sup> March 2025., **Time:** 10.30 AM to 06.00 PM

**Schedule**

Sessions	Time	Session Title	Name of Resource Person/Speaker	Teacher In-charge (In-house)
Inaugural	10.30 AM to 11.00 AM	Inauguration Program, Welcome of the Chief Guest& Introductory Remarks of the Principal		Dr. Kundan Tayade
Technical Session 1	11.00 AM to 11.45PM	Lecture by Resource Person on “High-End Sophisticated Equipment”		
Tea Break				
Technical Session 2	12.00 PM to 2.00 PM	Hands-on Training on TGA, Fluorescence Microscope, Spectrofluorometer, UV-visible Spectrophotometer		Mr. Akshay Bhandare
Lunch Break				
Technical Session 3	3.00 PM to 5.15 PM	Hands-on Training on HPLC, Microwave & Rotary Evaporator		Mr. Maroti Sudewad
Tea Break				
Valedictory Function	5.30PM to 06.00 PM	Valedictory Function Including Participants' Feedback and Vote of Thanks		Mr. Maroti Sudewad

**Convener**

**HoD**

**DST-FIST Coordinator**

**Principal**



20.03.2025

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# राजर्षी शाहू महाविद्यालय, लातूर (स्वायत्त)

कॅन्टीन नं. ०३

बिल नं. 442

दि. 17/03/2025

श्रीमान प्राचार्य रा. शा. म. लातूर. (केमिस्ट्री विभाग)

तपशील	नग	दर	रक्कम
<p>चहा</p> <p>नाष्टा</p> <p>जेवण - CDST-FIST 1817 scheme Under SSR</p> <p>(Hands on Training on SAI-2025)</p> <p>15/03/25.</p> <p>17 participants</p> <p>09 Volenters</p> <p>22</p> <p>धन्यवाद!</p>	22	120	2640
	एकुण		2640

अक्षरी रुपये दोन हजार सहाशे चाळीस रुपये

शाहू कॉलेज कॅन्टीन

DST-FIST (SSR)

कॅश मेमो 27.03.25

बिल नं.

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# वर्मा इरोक्स

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लविना बिल्डींग, चंद्र नगर, शाहू कॉलेजजवळ, लातूर. Email: k248735@gmail.com

श्री. डा. चार्ज शाहू कॉलेज, लातूर दि. 15/03/2025

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Hands on  
Training on SAI 2025.  
15.03.2025,

(DST-FIST SSP)  
अक्षरी रुपये

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DST-FIST-(SSA)

स्वीक्षरी



27.03.25

॥ श्री बालाजी प्रसन्न ॥

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# हिरालाल

## ऑफसेट

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किरण इंजिनिअरींगच्या बाजूस, लोखंड गल्ली,  
लातूर - 413 512. ☎ : (02382) 251544

M.9421362784, 9403157092, Email: hiralaloffset@gmail.com

नं.

दि. 15/03/2025

श्री

प्राचार्य शाहू कॉलेज, लातूर

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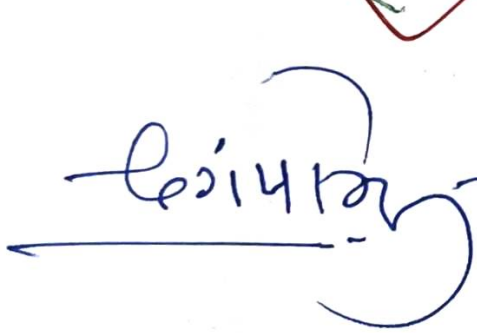
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Certificate  
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(DST-FIST 1817 scheme)  
Under SSR

(Hands on Training on  
SAI-2025) on 15.03.2025.

  
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# राजर्षी शाहू महाविद्यालय, लातूर (स्वायत्त)

कॅन्टीन नं. ०३

बिल नं. 512

दि. 15/03/2025

श्रीमान प्राचार्य रा. शा. म. लातूर

तपशील	नग	दर	रक्कम
Hands-on Training Dept. of Chemistry <b>चहा</b>	20	10	200
<b>नाष्टा</b>	20	40	800
<b>जेवण</b>			
Under DST-FIST 1817 scheme <u>SSR</u> <u>प्रिन्सिपल</u> Canteen Incharge Chahu Canteen No.-3			
<b>धन्यवाद!</b>		एकुण	1000/-

अक्षरी रुपये एक हजार रुपये.

प्रिन्सिपल  
30/4/25

30/4/25

शाहू कॉलेज कॅन्टीन

DST-FIST-SSR-(R)



# Sophisticated Analytical Instruments (SAI-2025)

pt	Name	Institution Name	Designation	Mobile No.
M	Pimpre Ajay Dilip	Chhatrapati Shivaji Rajje	student	8600437206
M	Pawar Ganesh D.	Chhatrapati Shivaji Rajje	student	9075660609
M	Kadam Ram D.	Chhatrapati Shivaji Rajje	Student	7892312590
M	Biradar Akash P.	Chhatrapati Shivaji Rajje	student	89990751353
M	Pathod pammeshwar .S	Chhatrapati Shivaji Rajje	Student	9172705732
	Pandhare Kantik S.	Chhatrapati Shivaji Rajje	Student	9307393740
	Yerote Abhishek B.	Chhatrapati Shivaji Rajje	Student	9421513823
	Waghmare Nitishil V.	Chhatrapati Shivaji Rajje	student	9370849073
F	Dhond pallavi Raje	Chhatrapati Shivaji Rajje	Student	7823826619
F	Khindiwale Manisha M.	Chhatrapati Shivaji Rajje	Student	9845917357
F	Rodge Rathnamala P.	Chhatrapati Shivaji Rajje	student	9284167165
F	Yalamate, Pallavi Govind	Chhatrapati Shivaji Rajje	Student	9322632548
F	Shaikh Samiya Maheen	Chhatrapati Shivaji Rajje	Student	8310058942
F	Grachate. Vaishali B.	Chhatrapati Shivaji Rajje	student	7821969174
F	Landhe Aarti Uddhav	Chhatrapati Shivaji Rajje	student	9325262970
F	Biradar kalpana Ravindra	Chhatrapati Shivaji Rajje	student	9307095423
F	Gradve. Shubhangi balaji	Chhatrapati Shivaji Rajje	Student	7820841016