Report

Forensic Evidence Analysis by XRD: Hands-on training, 13th January 2024

S.N.	Activity	Particulars
1	Theme	Forensic Evidence Analysis by XRD:Hands on training
2	Date	13th Jan. 2024 (one day)
3	Fees/registration charges	Free of cost
4	Venue	Dept. of Physics, The Institute of Science, MUMBAI.
5	Target group	Post Graduate students of Forensic Science
6	Number of students registered	19
7	Number of beneficiaries	16
8	Topics covered	Theoretical aspects of X-Ray diffraction, working of XRD machine, sample preparation, setting of experimental parameters and actual hands-on training.
9	Issue of certificates	e-certificates were issued to all beneficiaries
10	Convenor and Resource person	Prof. R.B. Kale, HOD(Physics), The Institute of Science, MUMBAI
11	Coordinator	Mr. N.M. Fatangare, Associate Professor, Institute of Forensic Science, MUMBAI
12	Chairpersons	1. Prof. S.B. Kulkarni, I/C Director, Institute of Science, MUMBAI. 2. Dr. Pratima Jadhav, Institute of Forensic Science, MUMBAI
13	Trainers	1. Ms. Gopika Rajan 2. Ms. Vrushali Jadhav 3. Ms. Momin Rukhsar 4. Ms. Nikhat Shaikh

One day workshop on "Forensic Evidence Analysis by XRD: Hands-on training" was organised on 13th January 2023 jointly by Department of Physics, The Institute of Science, Mumbai and Institute of Forensic Science, Mumbai. The aim of this workshop was to give hands-on training XRD to the post graduate students of Institute of Forensic Science.

The workshop was inaugurated by the auspicious hands of chairpersons, Dr. S.B. Kulkarni and Dr. Pratima Jadhav. Dr. Kulkarni, in his inaugural speech explained the importance of characterisation in the accurate analysis of forensic evidences which helps in conviction of the crime cases. Dr. Pratima Jadhav emphasised and made an appeal to all the faculties to conduct such programmes so as to make learners job ready product. Such initiatives are important in view of National Education Policy (NEP), she further added. Presence of faculty members of Institute of Forensic Science graced the function. Ms. Romila Lemons was the anchor for the inaugural function and vote of thanks were given by Mrs. Ashvini Pol.

In the first session, Prof. R.B. Kale in his presentation covered theoretical aspects of X-Ray diffraction, working of XRD machine, sample preparation and setting of experimental parameters etc.

Ms. Gopika Rajan, Ms. Vrushali Jadhav, Ms. Momin Rukhsar and Ms. Nikhat Shaikh conducted the training session. In this session forensic evidences like soil samples from different sources, expired and unexpired cement samples and some salt and drug samples were analysed.

At the end of workshop, feedback was collected from the participants.

FORENSIC EVIDENCE ANALYSIS BY XRD:

Hands on Training

SATURDAY 13th JAN 2024

Organised by

Institute of Science, Mumbai

&

Institute of Forensic Science, Mumbai

Convenor
Prof. R.B Kale

Co-ordinator
N.M Fatangare

Chairman

Prof. S.B Kulkarni
I/C Director
Institute of
Science, mumbai
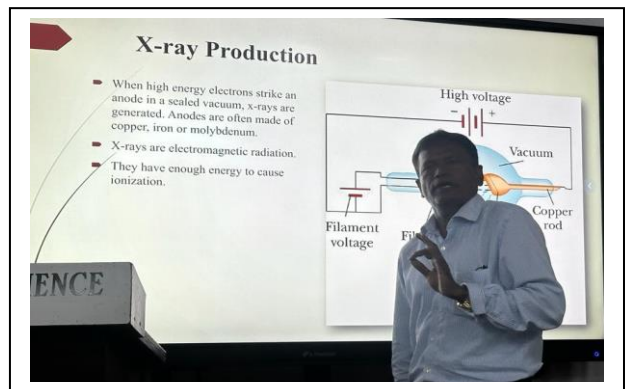
Dr. Pratima Jadhav
Director
Institute of
Forensic Science,
Mumbai

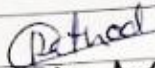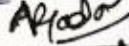# Glimpses of Workshop

INAUGRAL FUNCTION
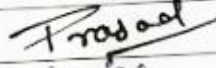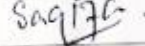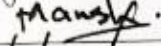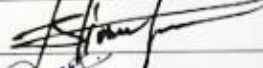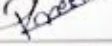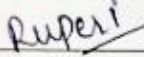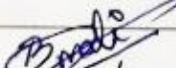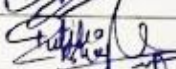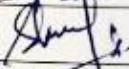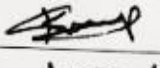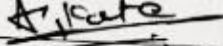
Forensic Evidences Analysis By XRD
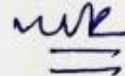
Hands on training

DATE :13/01/2024

Attendance Sheet

SR No.	Name of Participant	Signature
1	Pratik Rathod	Rathod
2	Amitkumar Yadav	Yadav
3	Prasad Adhav	Prasad
4	Saqifa Khan	Saqifa.
5	Anjali S.	Anjal
6	Manisha Bhadane	Manish.
7	Himanshu Khandekar	Khan
8	Preet Kumar	Preet
9	Tanu Gabhane	ABSENT
10	Ruperi Meshram	Ruperi
11	Sanket Funde	ABSENT
12	Bhavesh Mali	Bmali
13	Rutika Bhoyar	
14	Shruti Shelare	Shru
15	Khushi Jadhav	
16	Adrita Saha	ABSENT
17	Kalyani Sanap	Sanp.
18	Aarti Nikate	Nikate
19	Neha vemula	NVK

Feedback

Form 1

Forensic Evidences Analysis By XRD

Hands on training

DATE :13/01/2024

Feedback Form

Full name of the Participant: Bhavesh Mali
Course/Year: M.Sc. FS Paut I sem I
Institute name: Institute of Forensic Science, Mumbai
Email id of the participant: bhaveshmali815@gmail.com

(Tick the right option)

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Overall, I am satisfied with the training		✓			
2	The training is relevant to my course	✓				
3	The resource person was thorough and knowledgeable about the topic	✓				
4	The resource person effectively communicated the training material	✓				
5	The resource person actively encouraged questions and input from participants	✓				
6	I am confident in applying the new skills I have learnt in the workshop	✓				

7. What did you like the most about the training?

The practical session :)

8. Please provide any suggestions for improvement of the training.

Signature of the participant

Form 2

Forensic Evidences Analysis By XRD

Hands on training

DATE :13/01/2024

Feedback Form

Full name of the Participant: Rupeui Meshram
Course/Year: M.Sc part-II sem IV (Forensic chem & Toxi)
Institute name: IFSC, Mumbai
Email id of the participant: rupeuimeshram123@gmail.com

(Tick the right option)

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Overall, I am satisfied with the training		✓			
2	The training is relevant to my course	✓				
3	The resource person was thorough and knowledgeable about the topic	✓				
4	The resource person effectively communicated the training material	✓				
5	The resource person actively encouraged questions and input from participants	✓				
6	I am confident in applying the new skills I have learnt in the workshop	✓				

7. What did you like the most about the training?

the practical training was very useful

8. Please provide any suggestions for improvement of the training.

Signature of the participant

Form 3
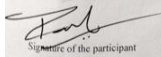
Forensic Evidences Analysis By XRD

Hands on training
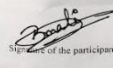
DATE :13/01/2024

Feedback Form

Full name of the Participant: Prosad Adhav
Course/Year: M.Sc II yr
Institute name: Institute of forensic Science
Email id of the participant: Prosadwese@gmail.com

(Tick the right option)

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Overall, I am satisfied with the training		✓			
2	The training is relevant to my course	✓				
3	The resource person was thorough and knowledgeable about the topic	✓				
4	The resource person effectively communicated the training material	✓				
5	The resource person actively encouraged questions and input from participants	✓				
6	I am confident in applying the new skills I have learnt in the workshop	✓				

7. What did you like the most about the training?

The information given by the convenor and the coordinator was very informative

8. Please provide any suggestions for improvement of the training.

Signature of the participant

Form 4

Forensic Evidences Analysis By XRD

Hands on training

DATE :13/01/2024

Feedback Form

Full name of the Participant: Anjali A·S
Course/Year: MSc 2nd year - Bio-department
Institute name: Institute of Forensic Science
Email id of the participant: anjalias@gmail.com

(Tick the right option)

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Overall, I am satisfied with the training		✓			
2	The training is relevant to my course	✓				
3	The resource person was thorough and knowledgeable about the topic	✓				
4	The resource person effectively communicated the training material		✓			
5	The resource person actively encouraged questions and input from participants		✓			
6	I am confident in applying the new skills I have learnt in the workshop		✓			

7. What did you like the most about the training?

The training section was very Informative.

8. Please provide any suggestions for improvement of the training.

Signature of the participant

e-Certificates

Certificate — **PRATIK RATHOD**

Certificate — **AARTI NIKATE**

Certificate — **AMITKUMAR YADAV**

Certificate — **ANJALI A S**

Certificate — **BHAVESH MALI**

Certificate — **HIMANSHU KHANDEKAR**

Certificate — **KALYANI SANAP**

Certificate — **KHUSHI JADHAV**

Government of Maharashtra
INSTITUTE OF FORENSIC SCIENCE, MUMBAI
15, Madame Cama Road, Mumbai 400032

Certificate of FORENISC
EVIDENCE ANALYSIS BY XRD

This is to certify that Mr./MS. MANISH BHADANE of class M.sc I/M.sc II has attended workshop on ' Forensic Evidence Analysis by XRD Hands on Training on 13 January, 2024

CONVERNOR
PROF. RB KALE

COORDINATOR
MR.NM FATANGARE

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This is to certify that Mr./MS. NEHA VEMULA of class M.sc I/M.sc II has attended workshop on ' Forensic Evidence Analysis by XRD Hands on Training on 13 January, 2024

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COORDINATOR
MR.NM FATANGARE

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MR.NM FATANGARE

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This is to certify that Mr./MS. SAQIFA KHAN of class M.sc I/M.sc II has attended workshop on ' Forensic Evidence Analysis by XRD Hands on Training on 13 January, 2024

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PROF. RB KALE

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MR.NM FATANGARE

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This is to certify that Mr./MS. SHRUTI SHELARE of class M.sc I/M.sc II has attended workshop on ' Forensic Evidence Analysis by XRD Hands on Training on 13 January, 2024

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PROF. RB KALE

COORDINATOR
MR.NM FATANGARE