



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

SGT University

International Workshop on “Forensic Science-Emerging Scenario in India and Abroad (FORENSIA-2021)”

Organised by

18 October – 22 October 2021; Hybrid Mode
Offline: Shooting Hall, A-Block, SGT University
Online: Google Meet Platform

E Brochure-

**SGT UNIVERSITY**
SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC & AICTE Approved) Gurugram, Delhi-NCR






Five Days Online International Workshop on

“Forensic Science-Emerging Scenario in India and Abroad (FORENSIA-2021)”

18 - 22 October, 2021

ORGANIZED BY
360° Forensic Association
Department of Forensic Science, Faculty of Science
Speakers

 Dr. Arun Sharma, Former Director, Directorate of Forensic Science, Jammu, Jammu & Kashmir	 Dr. Geetanjali, CEO, LEISA, Indore, INDIA	 Dr. Robert Green, Directorate of Undergraduate Studies, University of Kent, UK	 Prof. Jose A. Lorenzo Principal Investigator & Head of Liquid Enquiry And Cancer Interception Group, Spain	 Dr. Desiree David Professor, Nelson Mandela University, Eastern Cape	 Captain Mohammad Alsawadi Certified Latent Print Examiner, UK International Association of Evidence, Dubai	 Dr. Sara Al Mughowel Medical Legal Examiner, Head of Medical Section, Dubai Police
 Dr. Ajit Grewal Deputy Director, FSL, Madhya Pradesh, Bhopal, India	 Dr. R.K. Saini Director, FSL, Andhra Pradesh, India	 Ms. Ishara Ancharle Criminologist, USA	 Colonel Hani Al Hammadi Forensic Evidence Expert, World Examiner, American IA Organization, Sharjah Police - UAE	 Ms. Sheetal Bhardwaj Financial Crime Auditor, Executive Board Member, Association of Certified Financial Crime Specialists New Zealand	 Dr. Pradeep Nair Financial Crime Auditor, India	 Dr. Meenakshi Mahajan Deputy Director, IFS, Chhattisgarh, Bilaspur, India

Registration Link <https://forms.gle/wEyPx2vLkut3BPenZ>



Brief Profile of Speakers:

- 1.** Dr. Robert Green is currently working as a Director of Under Graduate Studies, Forensic Science, University of Kent, United Kingdom.
- 2.** Prof. (Dr.) Jose Antonio Lorente, M.D., Ph.D. in Genomic Area is currently working as a Principal Investigator & Head of Liquid Biopsy and Cancer Interception Group, Spain.
- 3.** Dr. Sara Al Mughawi is working as a Medico Legal Examiner, Head of Medical Section, Dubai Police.
- 4.** Colonel Naji Al Hammadi is currently working as a Forensic Evidence Expert, World Examiner, American IAI Organization, Sharjah Police, UAE.
- 5.** Capt. Mohammad Alsuiwaidi is a Certified Latent print Examiner IAI International Association of Evidences, Dubai Police.
- 6.** Adv. Desiree David, Lecturer, Nelson Mandela University, Chairperson of South African Medico Legal Association, Eastern Cape.
- 7.** Ms. Sheetal Bhardwaj is a Financial Crime Auditor, Executive board Member, Association of Certified Financial Crime Specialist, New Zealand.
- 8.** Dr. Arun Sharma is Retd. Director, Directorate of Forensic Science Services (DFSS), Junga, Himachal Pradesh, India.
- 9.** Dr. R.K. Sarin is currently working as a Director, Forensic Science Laboratory (FSL) Andhra Pradesh, India.
- 10.** Dr. Meenakshi Mahajan is currently working as a Deputy Director, Regional Forensic Science Laboratory (RFSL) Dharamshala, Himachal Pradesh, India
- 11.** Dr. Ajit Grewal is currently working as a Deputy Director, FSL, Madhuban, India.
- 12.** Dr. Geetanjali is currently working as a CEO, LEDEX, Indore, India.
- 13.** Dr. Pradeep Nair is working as a Financial Crime Auditor, India.

Organizers: 360⁰ Academic Association, Department of Forensic Science, Faculty of Sciences, SGT University.



SGT UNIVERSITY
SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved) Gurugram, Delhi-NCR
Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

Report of the Program:

Introduction: Technology has become an integral part of the learning process, research and publications. With the implementation of the Common Core Learning Standards, the technical skills and knowledge required for research and academics are more valuable than ever. This

workshop is providing the platform for researchers, academicians, and scholars to get introduced with the working of different divisions of Forensic Science Laboratories in India and Abroad by eminent Forensic Experts and Scientists.

Objective of the Event: To develop an understanding of the various techniques and analytical procedures employed in the distinct Forensic Science laboratories and related organizations at international and national levels involving the importance of enforcement of law to serve the justice.

Brief content of event:

DAY 1: 18th October 2021

Moderator: Ms. Nidhi Hooda, Assistant Professor, Department of Forensic Science, Faculty of Science, SGT University, Gurugram, India

The workshop was started on 18th October 2021 at 10.00 am with the inaugural session. Initially, **Ms. Nidhi Hooda, Convener, FORENSIA-2021, Assistant Professor, Department of Forensic Science, Faculty of Science (FOSC), SGT University (SGTU)** introduced the workshop's theme and welcomed all the dignitaries and attendees. **Prof. (Dr.) Ramesh Chander Kuhad, Pro-Chancellor, SGT University** inaugurated the event. He enlightened the students with his words of wisdom. He shared his 40 years of research experience and explained how research varied in different decades. He also appreciated Department of Forensic Science, for organizing this valuable international workshop.



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved) Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

Then the workshop was addressed by **Prof. (Dr.) Lakhwinder Singh, Dean, Faculty of Science, SGTU**, welcomed the eminent speakers and dignitaries. **Prof. (Dr.) Rajinder Dangi,**

Professor, FOSC, SGTU introduced the department of forensic science vision and grace the occasion with his rich experience and expertise. **Ms. Mandeep Kaur, Head of Department, Department of Forensic Science, FOSC, SGTU** enlighten the audience with the achievements, and traditions of the Department of Forensic Science. **Dr. Bhawana Joshi, Co- Advisor, 360⁰ Forensic Association, Assistant Professor, Department of Forensic Science, SGTU**, introduced the vision and achievements of 360⁰ Forensic Association.

Picture of the inauguration ceremony:



Figure.1. Ms. Nidhi Hooda, Convener, FORENSIA-2021, introducing the workshop's theme and welcoming all the dignitaries and attendees.



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185



Figure.2. Prof. (Dr.) Ramesh Chander Kuhad, Pro-Chancellor, SGT University inaugurated the event.



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185



Figure.3. Audiences attending the workshop in offline mode.

Invited Lecture 1

Title: “Advances in Forensic Biology: past, present, and future”

Speaker: Dr. Arun Sharma, Retd. Director, Directorate of Forensic Science Services (DFSS), Junga, Himachal Pradesh, India.

In his talk, he briefly covered the concepts and information regarding social and technological changes in forensic science.

Picture of the event:



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

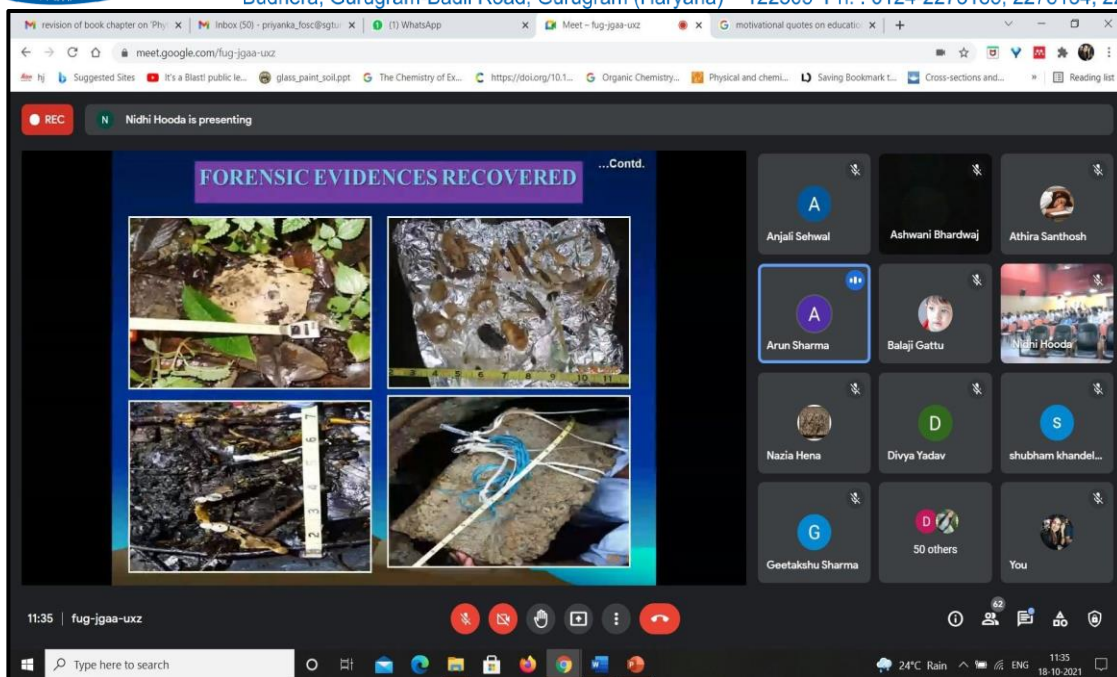


Figure.4. Dr. Arun Sharma, Retd. Director, Directorate of Forensic Science Services delivering his lecture on Advances in Forensic Biology: past, present, and future.

Invited Lecture 2

Title: “The significance of BPA illustrated in a case study”

Speaker: Dr. Robert Green, Director of Under Graduate Studies, Forensic Science, University of Kent, United Kingdom.

In his talk, he briefly covered the real case studies to explain the authenticity and integrity of evidence and crime scene investigation.

Picture of the event:



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

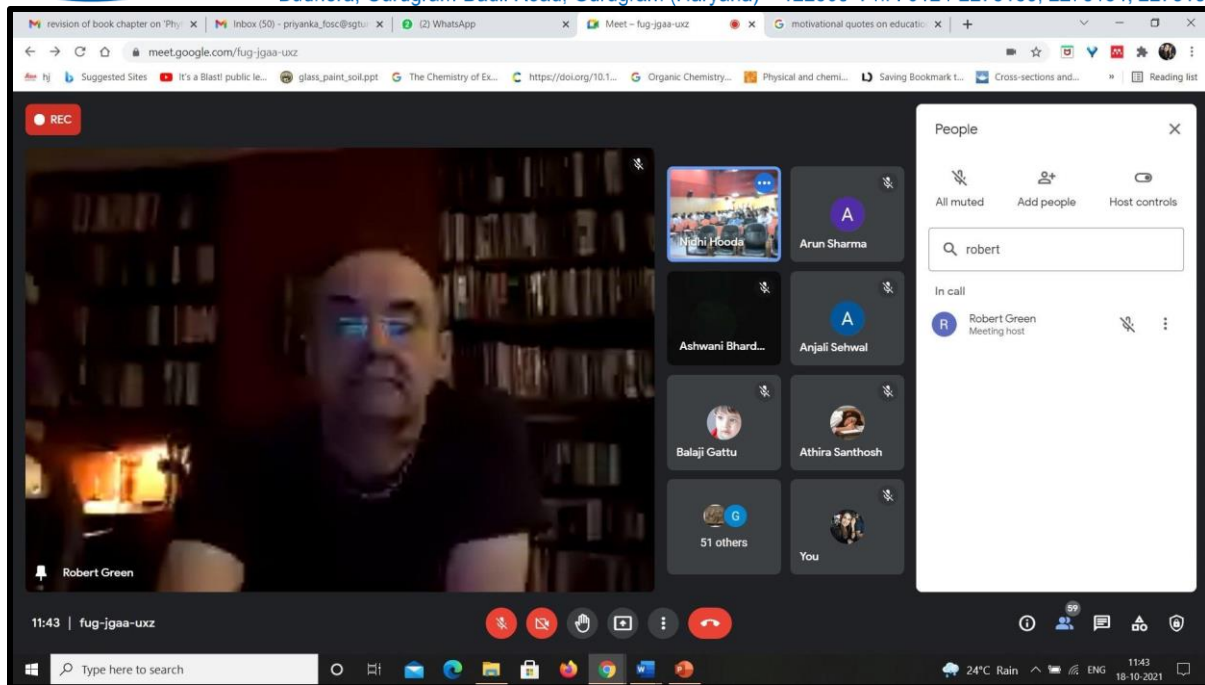


Figure.5. Dr. Robert Green delivering his lecture on the significance of BPA illustrated in a case study

Invited Lecture 3

Title: “White collar crime- an evolving concept”

Speaker: Dr. Geetanjali, CEO, LEDEX, Indore, India

In his talk, he briefly covered the various aspects of White-collar crimes via discussing real case scenarios of the corporate sector and their forensic relevance.

Picture of the event:



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

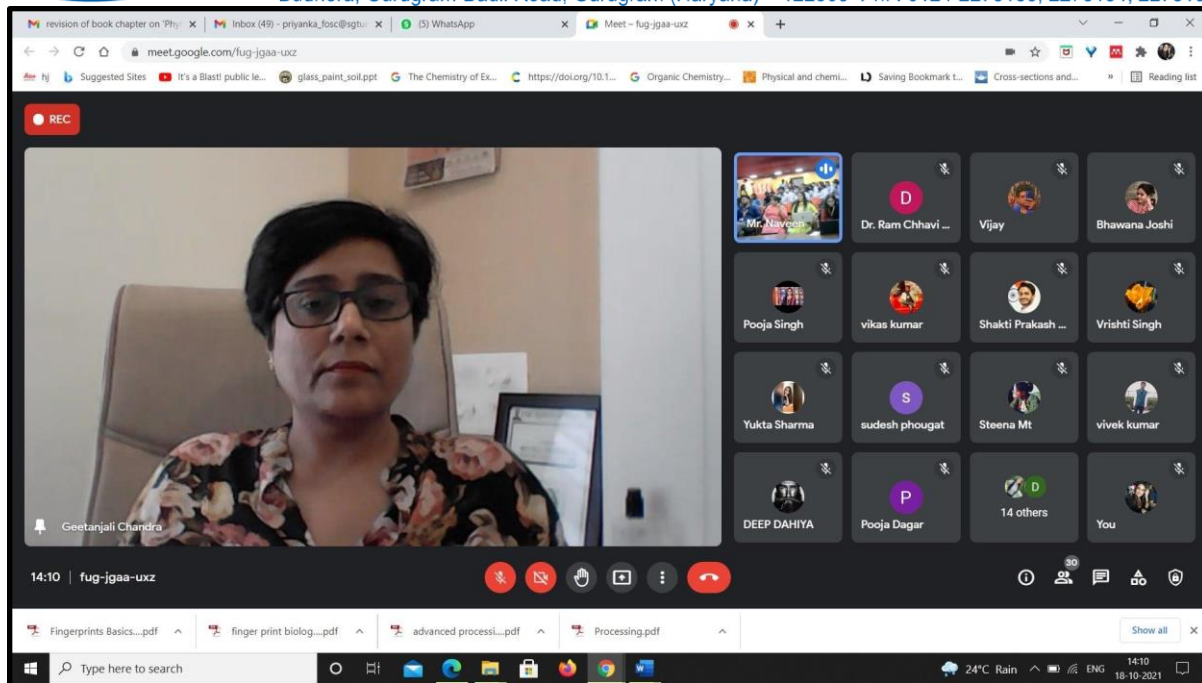


Figure.6. Dr. Geetanjali delivering her lecture on white collar crime- an evolving concept.

DAY 2: 19th Oct 2021

Moderator: Dr. Priyanka Verma, Assistant Professor, Department of Forensic Science, Faculty of Science, SGT University, Gurugram, India

Invited Lecture 4

Title: “The problems inherent in the use of scientific evidence in the criminal justice system- the Lnge Lotz Murder”

Speaker: Adv. Desiree David, Lecturer, Nelson Mandela University, Chairperson of South African Medico Legal Association, Eastern Cape.

In her talk, she briefly covered about the problems inherent in the use of scientific evidence in the criminal justice system by taking the example of a real case- the Lnge Lotz murder.



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

Picture of the event:

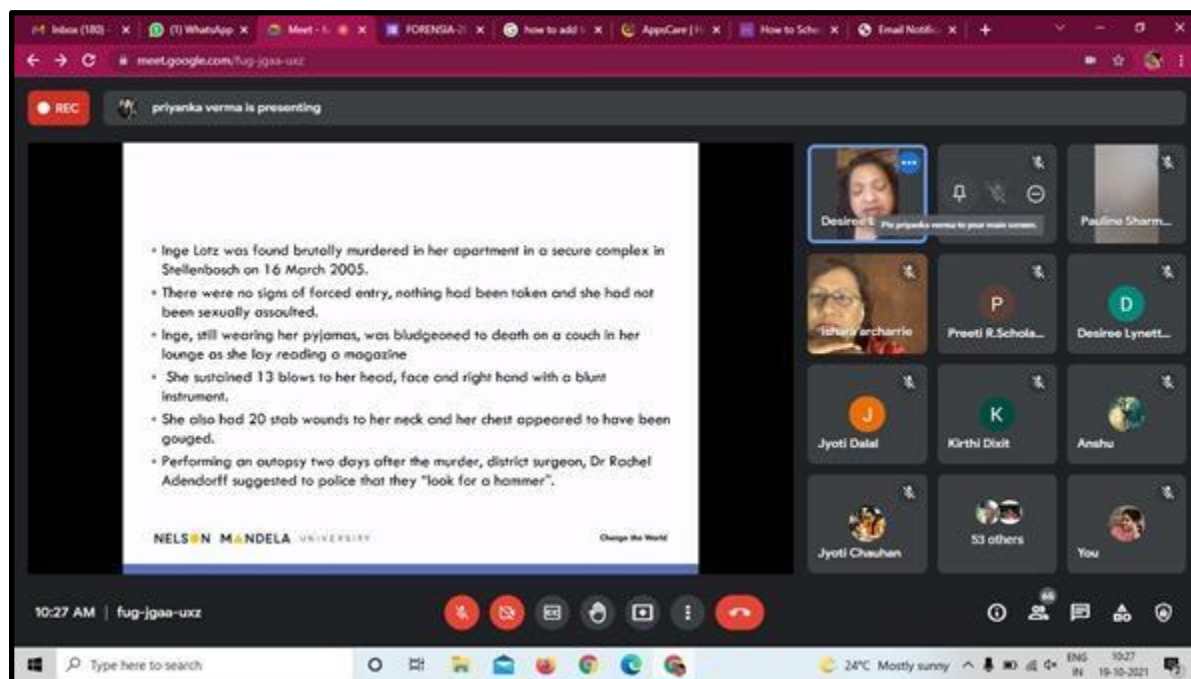


Figure.1. Adv. Desiree David delivering her lecture on in the use of scientific evidence in the criminal justice system

Invited Lecture 5

Title: “Forensic Science against traffic in human beings”

Speaker: Prof. (Dr.) Jose Antonio Lorente, M.D., Ph.D. in Genomic Area, Principal Investigator & Head of Liquid Biopsy and Cancer Interception Group, Spain.

In his talk, he briefly covered about the Forensic Science against traffic in human beings. He discussed the current statistics with regards to human trafficking worldwide and its forensic aspects.



Picture of the event:

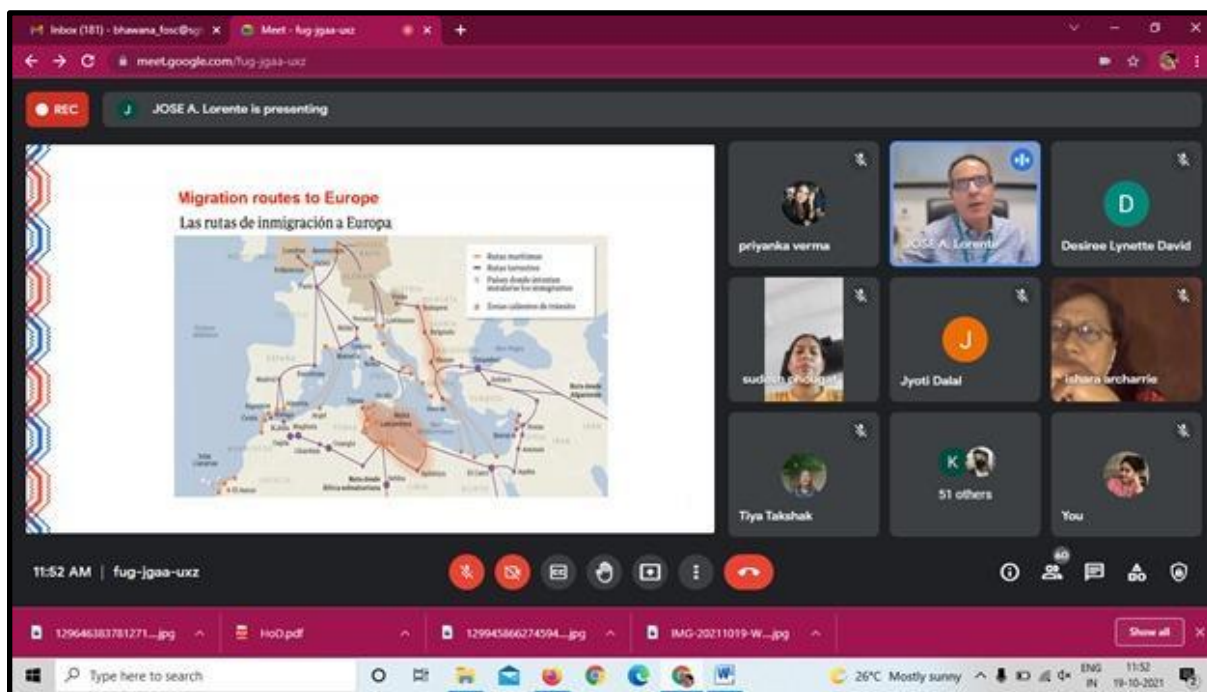


Figure.2. Prof. (Dr.) Jose Antonio Lorente, M.D., Ph.D. delivering his lecture on the Forensic Science against traffic in human beings.

Invited Lecture 6

Title: “Challenges in latent print processing and comparison”

Speaker: Capt. Mohammad Alsuiwaidi, Certified Latent print Examiner IAI International Association of Evidences, Dubai Police.

In his talk, he briefly covered about the the audience regarding challenges in latent print processing and comparison via interesting case studies and topographies and anatomy of fingerprints.



SGT UNIVERSITY
SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved) Gurugram, Delhi-NCR
Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

Picture of the event:

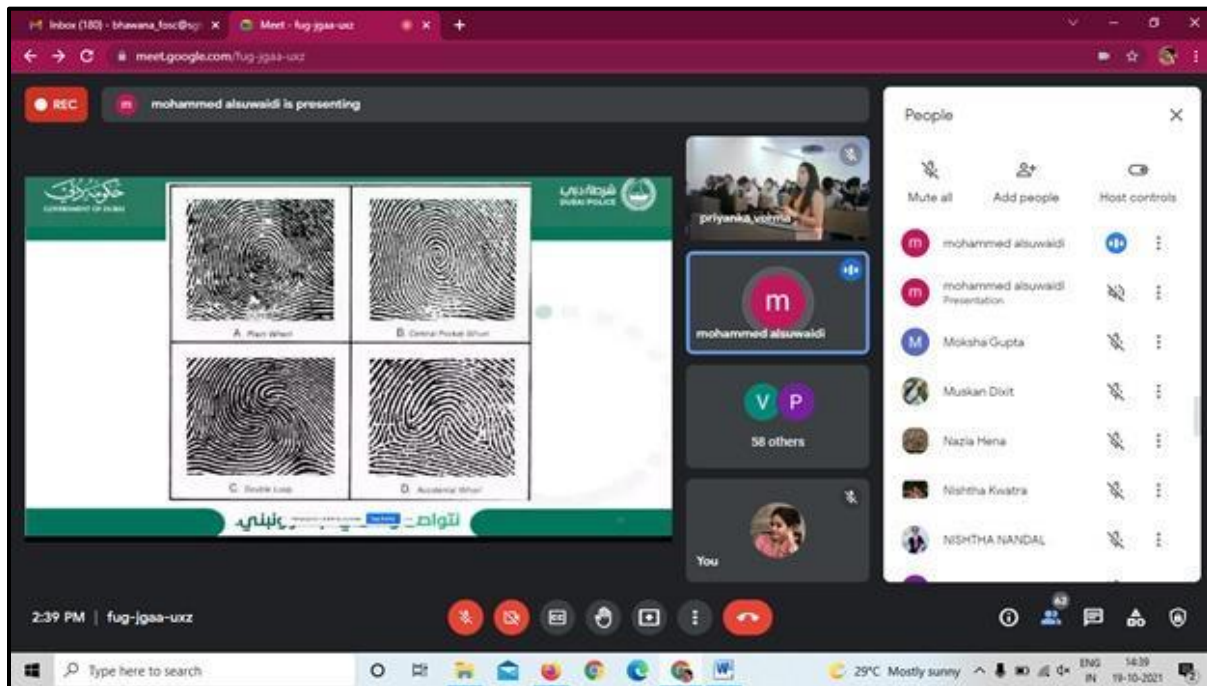


Figure.3. Captain Alsuwaidi delivering his lecture on the challenges in latent print processing and comparison

DAY 3: 20th Oct 2021

Moderator: Ms. Shreya Arora, Assistant Professor, Department of Forensic Science, Faculty of Science, SGT University, Gurugram, India

Invited Lecture 7

Title: “Asphyxia and Unnatural sexual offence - Case Study”



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved) Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

Speaker: Dr. Sara Al Mughawi, Medico Legal Examiner, Head of Medical Section, Dubai Police.

In her talk, she discussed about various sexual offences and different aspects of autopsy procedure via discussing real case studies.

Picture of the event:



Image:-1 Dr. Sara Al Mughawi delivering her lecture on the challenges in examining unnatural sexual offences.

Invited Lecture 8

Title: “Homicidal, suicidal and accidental death - case study Forensic Ballistic”

Speaker: Dr. Ajit Grewal, Deputy Director, FSL Madhuban, India.



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved) Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

In his talk, he beautifully explained the regular processes and procedures of the forensic science laboratory in ballistics division.

Picture of the event:

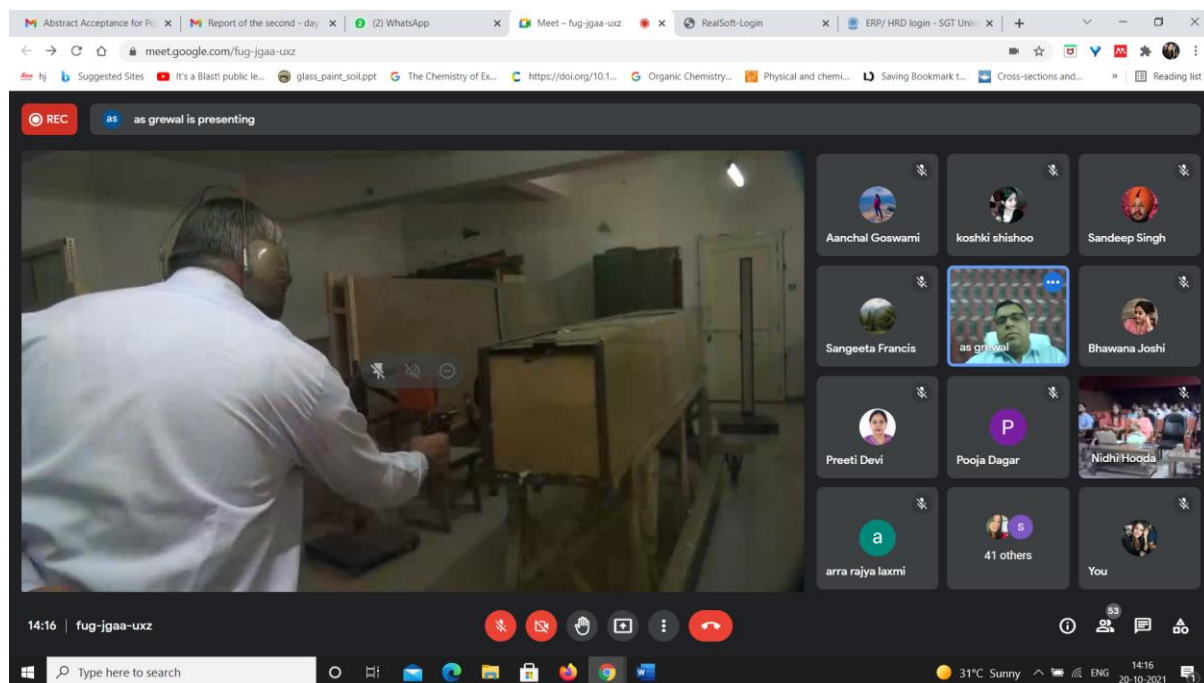


Image:-2 Dr. Ajit Grewal showing the process of test firing.

DAY 4: 21st October 2021

Session-1

The session was chaired by Ms. Megha Walia, Assistant Professor, Department of Forensic Science, SGT University.

Invited Lecture -9

Title:- Cyber Forensics- A perspective



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

Speaker(s):- Dr. Meenakshi Mahajan, Deputy Director at Regional Forensic Science Laboratory, Dharmshala, Himachal Pradesh.

In the talk, she briefly covered:

- Digital crimes and various aspects cyber-attacks.
- Few famous case studies
- Data recovery from mobile phones

Session-2

Invited Lecture -10

Title:- Forensic Firearm examination from crime scene to court.

Speaker:- Col. Naji Al Hammadi

In the talk, he briefly covered:

- Firing mechanism process
- Forensic firearm examination
- Firearm case studies

Session-3

Invited Lecture -11

Title:- Importance of Criminology in Forensic Science

Speaker:- Ms Ishara Archarie

In the talk, she briefly covered:



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

- Concept of criminology in Forensic Science
- Criminals and their psychology
- Cases involving psychopath serial killers

Picture of the event:

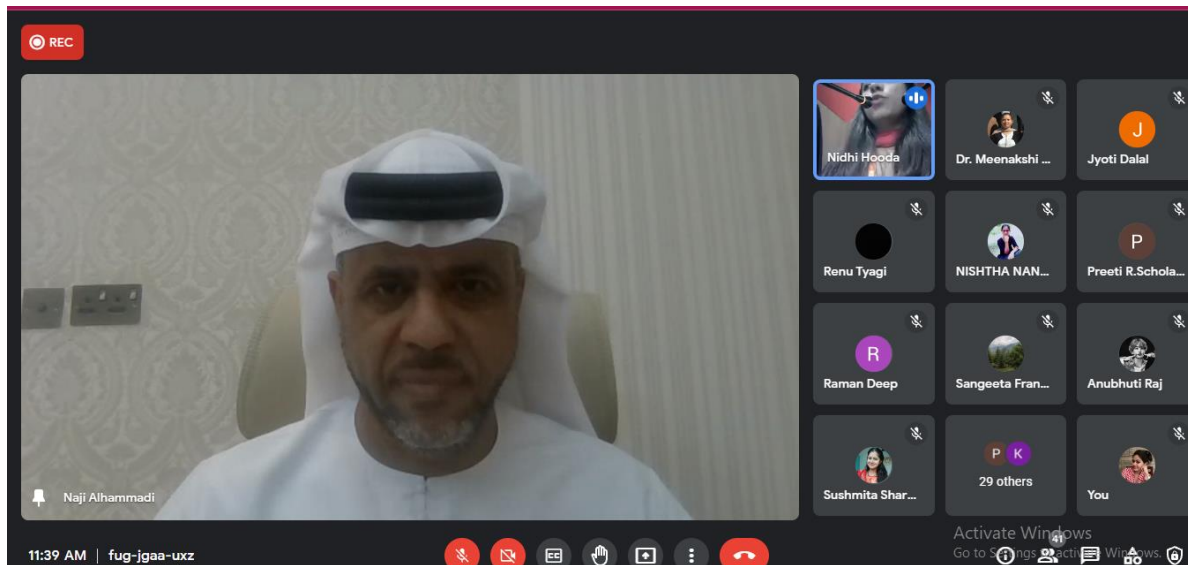
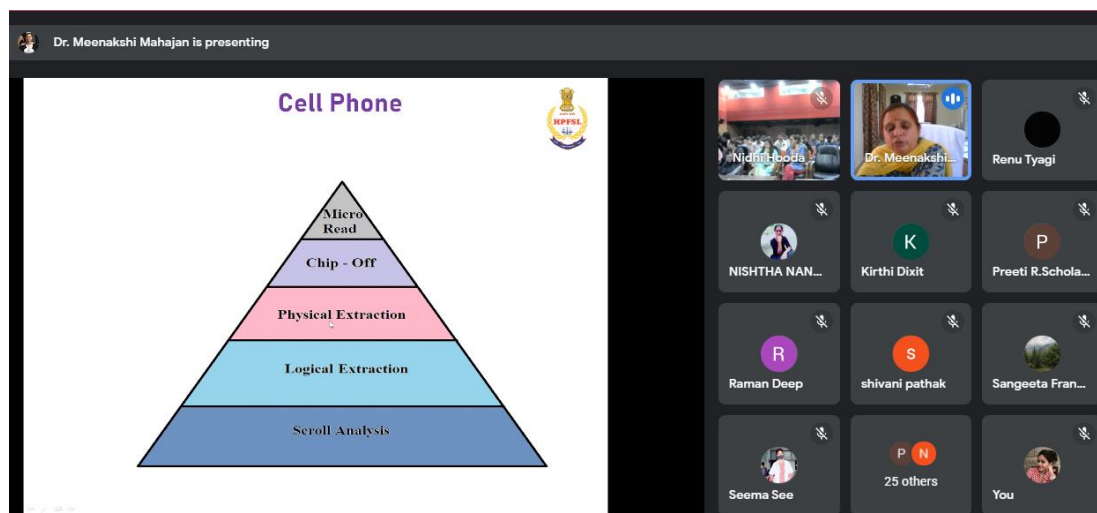


Image:-1 Col. Naji Al Hammadi delivering his lecture on the firearm examination in laboratory.





SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved) Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

Image:-2 Dr. Meenakshi Mahajan delivering her lecture on the challenges in examining digital evidences.

Vote of Thanks: The vote of thanks for the fourth day of the workshop was delivered by **Dr. Bhawana Joshi, Assistant Professor, Department of Forensic Science, Faculty of Science, SGT University, Gurugram**

DAY 5: 22nd October 2021

Session-1

The session was chaired by Ms. Nidhi, Assistant Professor, Department of Forensic Science, SGT University.

Invited Lecture -12

Title:- Financial Crime Compliance

Speaker(s):- Dr. Pradeep Nair Financial Crime Auditor, India and Ms. Sheetal Bhardwaj Financial Crime Auditor, Executive board Member, Association of Certified Financial Crime Specialist, New Zealand.

In the talk, they briefly covered:

- Risk and Compliance profession.
- Need of experts in the field of Forensic Accounting Frauds

- The importance of analytical thinking
- Few famous case studies

Session-2

Invited Lecture -13

Title:- Forensic Toxicology- General Introduction and Case Studies

Speaker:- Dr. R.K. Sarin Director, FSL Andhra Pradesh, India



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

In the talk, he briefly covered:

- Use of forensic toxicology
- Examination of forensic exhibits
- Real Case Studies

Picture of the event:

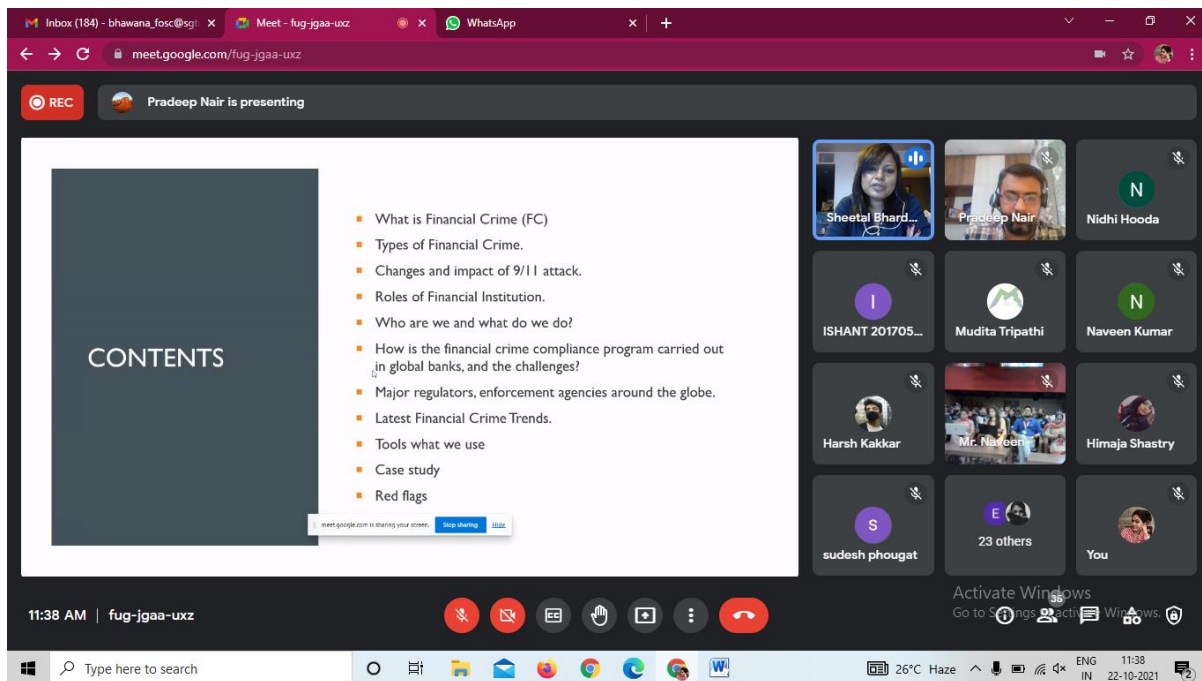


Image:-1 Dr. Pradeep Nair Financial Crime Auditor, India and Ms. Sheetal Bhardwaj delivering their lecture on Need of experts in the field of Forensic Accounting Frauds.

Vote of Thanks: The vote of thanks for the fifth day of the workshop was delivered by **Ms. Mandeep Kaur (HOD), Assistant Professor, Department of Forensic Science, Faculty of Science, SGT University, Gurugram**



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

All the efforts and hard work of organizing committee went successful. Event was informative as well as organized.

Thank you



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

ATTENDANCE SHEET

International Workshop on “Forensic Science-Emerging Scenario in India and Abroad (FORENSIA-2021)”

Date: 18/10/2021 – 22/10/2021

S.No	Name of Student	Remark
1.	Varsha	P
2.	Vihaan Chaudhary	P
3.	Brijveer Singh	P
4.	Ayushi Sachan	P
5.	Kazal Chauhan	P
6.	Pooja Kumari	P
7.	Ananya G	P
8.	Mayank	P
9.	Parul Sinha	P
10.	Ritika Tehlan	P
11.	Varsha Yadav	P
12.	Bhawna	P
13.	Shiwani	P
14.	Priyanaka	P
15.	Ashu	P
16.	Deepak Kumar Saini	P
17.	Vikas Rana	P
18.	Vartika Sharma	P
19.	Narun Nayami Rahman	P
20.	Shubham	P
21.	Ishant	P
22.	Pooja	P
23.	Vikhyaat Kumar	P
24.	Gagan	P
25.	Pooja Dagar	P
26.	Abhilasha	P
27.	Swati	P
28.	Shakshi	P
29.	Megha Mahanwal	P
30.	Sameeksha Dalal	P
31.	Shivani	P
32.	Srishti	P
33.	Shakshi	P
34.	Moksha Gupta	P
35.	Rahul Thakur	P
36.	Aishani Brahma	P



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

	Aman	
38.	Preeti	
39.	Nishtha Kwatra	
40.	Komal Kumari	
41.	Hem Aryan Dagar	
42.	Rashi Sharma	
43.	Keya Som	
44.	Rohit Tiwari	
45.	Himanshu Kumar Sinha	
46.	Aditya Thakur	
47.	Bandana Patel	
48.	Jhanvi	
49.	Meghanshi Goyal	
50.	Vishal	
51.	Garima Joshi	
52.	Vrishti Singh	
53.	Vijay	
54.	Mahak Kumar	
55.	Vidhi	
56.	Tiya Takshak	
57.	Gymar Anya	
58.	Anshu	
59.	Muskan	
60.	Deepanshu	
61.	Shakshi Tyagi	
62.	Akshara Gupta	
63.	Kshitize Shukla	
64.	Isha Rathi	
65.	Harsh Kakkar	
66.	Vivek Kumar	
67.	Digvijay Yadav	
68.	Parul Panchal	
69.	Mehak Garg	
70.	Kashish Gautam	
71.	Mukkapati Himaja	
72.	Prince	
73.	Khyati Sharma	
74.	Shalini	
75.	Rahul	
76.	Bhawna Pandit	
77.	Priyanka Sharma	
78.	Anchal Goswami	
79.	Moumita Das	
80.	Narender Singh Tanwar	
81.	Seema	



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

	Gauri Bansal	
83.	Dushyant Panchal	
84.	Manish Kumar	
85.	Ravika Rathor	
86.	Nazia Hena	
87.	Shriji Mishra	
88.	Govind	
89.	Tamanna	
90.	Gunjan Chauhan	
91.	Dimple	
92.	Sween	
93.	Sheetal Choudhary	
94.	Saijal Varishney	
95.	Himanshu Sharma	
96.	Poornima	
97.	Palak Saini	
98.	Vibhuti	
99.	Neetu	
100.	Vanshika	
101.	Komal Kumari	
102.	Komal Yadav	
103.	Geetakshu Sharma	
104.	Nidhi Dubey	
105.	Vanshika	
106.	Shalini Mishra	
107.	Harsh Yadav	
108.	Khushi Yadav	
109.	Ishita Vij	
110.	Akanksha	
111.	Nitin Kumar	
112.	Nikita	
113.	Rashi Yadav	
114.	Vandana Kumari	
115.	Abhinav Saini	
116.	Parth Gulati	
117.	Divya	
118.	Pragati	
119.	Jahnavi	
120.	Vikas Kumar Thakur	
121.	Chirag Bisht	
122.	Shivam Dutt Sharma	
123.	Ashish Chahar	
124.	Parul Pawar	
125.	Vikash	
126.	Ayushi Gupta	



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

	Somil Garg	
128.	Gunjan Bhankher	
129.	Surya Bhav Narang	
130.	Diksha	
131.	Sarika Swami	
132.	Sahil Kumar	
133.	Jyoti	
134.	Abhishek	
135.	Sanya	
136.	Harshita	
137.	Nishita Sarvang	
138.	Khushi	
139.	Aritra Das	
140.	Ojasvi Sharma	
141.	Palak Mittal	
142.	Mettu Sumedha	
143.	Shubhika Goyal	
144.	Yogita	
145.	Siya	
146.	Nikita Rathee	
147.	Preeti	
148.	Vinita Yadav	
149.	Poonam Yadav	
150.	Bharti	

B. Bhoopesh

Dr. Bhoopesh Kumar
Sharma