









You are screen sharing   Stop Share

10<sup>th</sup> May, 2023  
11:00 A.M.

**SARASWATI DENTAL COLLEGE AND HOSPITAL**  
Add-on Program  
(Hybrid Mode)  
on  
**FORENSIC ODONTOLOGY**  
(Unveiling the Mystery)  
Every Wednesday










Organizing Chairman:  
Dr. KUNAL SAH  
(Professor and Head)

Organizing Secretary:  
Dr. SIWETA SINGH  
(Head)


Program Coordinators:  
Dr. Sarabhi Shukla (Head)  
Dr. Sharmila Akhanna (Member)  
Dr. Jankari Bhatnagar (Member)  
Dr. Kamal Tiwari (Member)

Organized by:  
DEPARTMENT OF MAXILLOFACIAL PATHOLOGY  
AND ORAL MICROBIOLOGY

**BITE MARKS**

**DR. JEYASEELAN AUGUSTINE**  
Professor, Department of Oral & Maxillofacial Pathology and Oral Microbiology, Maulana Azad Institute of Dental Sciences, New Delhi.




Zoom Meeting

Windows taskbar: Search, 11:09, 10-05-2023

Zoom Meeting 40-Minutes

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- Inflicted during **sporting event** (wrestling, boxing, football)
- Bites on **inanimate objects** (food stuff, fruits)
- **Mental retardation/ Psychologic disturbance**
- **Self – inflicted** to fabricate injuries

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## CLASSIFICATION

Depending upon biting agent	Depending on material bitten	Depending on degree of biting
<ul style="list-style-type: none"> <li>Human               <ul style="list-style-type: none"> <li>Children</li> <li>Adults</li> </ul> </li> <li>Animal               <ul style="list-style-type: none"> <li>Mammals</li> <li>Reptiles</li> <li>Fish</li> </ul> </li> <li>Mechanical               <ul style="list-style-type: none"> <li>Denture</li> <li>Saw blade tooth marks</li> <li>Others</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Skin               <ul style="list-style-type: none"> <li>Human</li> <li>Animal</li> </ul> </li> <li>Perishable items               <ul style="list-style-type: none"> <li>Food items- apple etc</li> </ul> </li> <li>Non-perishable items               <ul style="list-style-type: none"> <li>Objects; pipes, pens, pencils</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Definite bite marks</li> <li>Amorous bite mark</li> <li>Aggressive bite marks</li> </ul>


Participants: SDCOP, Prof. (Dr.) Kunal Sah, Dr J Augustine, SHIV KUMARI PRAJAPATI, Kanak Tiwari

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Anatomical location

Anatomical site	Number of bites
Face and head	24
Arm	23
Leg	14
Chest/breast	10
Shoulder	9
Abdomen	9
Back	8
Hand	7
Neck	4
Genital area	3
Foot	1

J. Hinchliffe. Forensic Odontology, part 4.  
Human bite marks. Br Dent J 2011; 210: 363–368



SDCOP Prof. (Dr.) Kunal Sah SHIV KUMARI PRAJAPATI

**Kanak Tiwari**  
Kanak Tiwari

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Zoom Meeting

Journal of Law and the Biosciences, 617–622  
doi:10.1093/jlb/lab026  
Advance Access Publication 1 November 2017  
Peer Commentary

**Bite mark evidence: bite mark analysis is not the same as bite mark comparison or matching or identification**

Richard Souviron and Leslie Haller\*

**Bite Mark Analysis as Part of Medico-legal Autopsy**


Was the pattern injury caused by human teeth?

Classification of bite mark detail  
Analysis of the patterned injury  
Report of findings

**Bite Mark Comparison or Identification or Exclusion as Part of Criminal or Civil Justice System**

Sufficient detail for comparison or identification or exclusion?

Comparison of identification



SDCOP

Search

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Consent form

Maulana Azad Institute of Dental Sciences  
88, Zafar Marg, New Delhi.

MAIDS

CONSENT FOR DENTAL EXAMINATION

I, \_\_\_\_\_ Age: \_\_\_\_\_ Gender: \_\_\_\_\_  
hereby request \_\_\_\_\_ of Oral Pathology & Periodontics of Maulana Azad Institute of Dental Sciences, New Delhi to perform the required dental examination involving photographic, radiographic and dental impressions pertaining to case and I understand this.

I acknowledge that the terms and purposes of the foregoing examination have been explained to me if necessary and I have been given the opportunity to ask questions.

Signature of the Patient: \_\_\_\_\_ Date: 29/05/23

Signature of the Investigator/Doctor / Witness: \_\_\_\_\_ Date: 29/05/23

Doctor's Signature: \_\_\_\_\_ Date: 29/05/23

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Dr J Augustine

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Orientation photograph. Close up photograph with ABFO no 2 scale

Dr J Augustine Prof. (Dr) Kunal Sah

Kanak Tiwari Kanak Tiwari

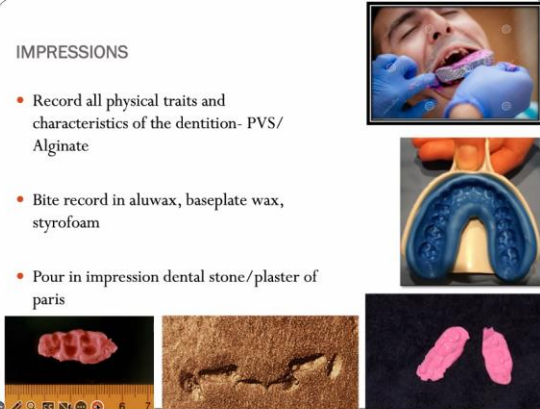
SDCOP SHIV KUMARI PRAJAPATI


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### IMPRESSIONS

- Record all physical traits and characteristics of the dentition- PVS/ Alginate
- Bite record in aluwax, baseplate wax, styrofoam
- Pour in impression dental stone/plaster of paris





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### Request Letter

**MAULANA AZAD INSTITUTE OF DENTAL SCIENCES**  
 An Autonomous Body under the Govt. of NCT of Delhi  
 Bahadur Shah Zang, New Delhi - 110002  
 Ph: 011-22333888 Fax: 011-22127085 Website: www.maids.ac.in

**DEPARTMENT OF ORAL PATHOLOGY & FORENSIC ODONTOLOGY**

F. No. MA/1454/2023 23<sup>rd</sup> April 2023

To,  
 The Investigating Officer,  
 FI Dushka,  
 New Delhi

Through Director Principal, Maulana Azad Institute of Dental Sciences, New Delhi  
 Subject: BITE MARK IMPRESSION DATED 23<sup>rd</sup> April 2023 regarding subsequent opinion on human bite, register.


Sir,


This is with reference to your letter dated 23<sup>rd</sup> April 2023 with subject regarding subsequent opinion on human bite injuries for the No. [REDACTED] PC-PS-102-23 Dushka, New Delhi, wherein the case is based on the following facts:

We have taken photographs of the bite mark injuries on the left arm and left ear of victim, namely, Sh. [REDACTED] on 23<sup>rd</sup> April 2023. You are requested to present the suspects for dental examination by the Department of Oral Pathology and Forensic Odontology, Maulana Azad Institute of Dental Sciences, New Delhi at 10:30 am on any working day accompanied by appropriate police personnel.

You may contact the undersigned for any details or assistance required.

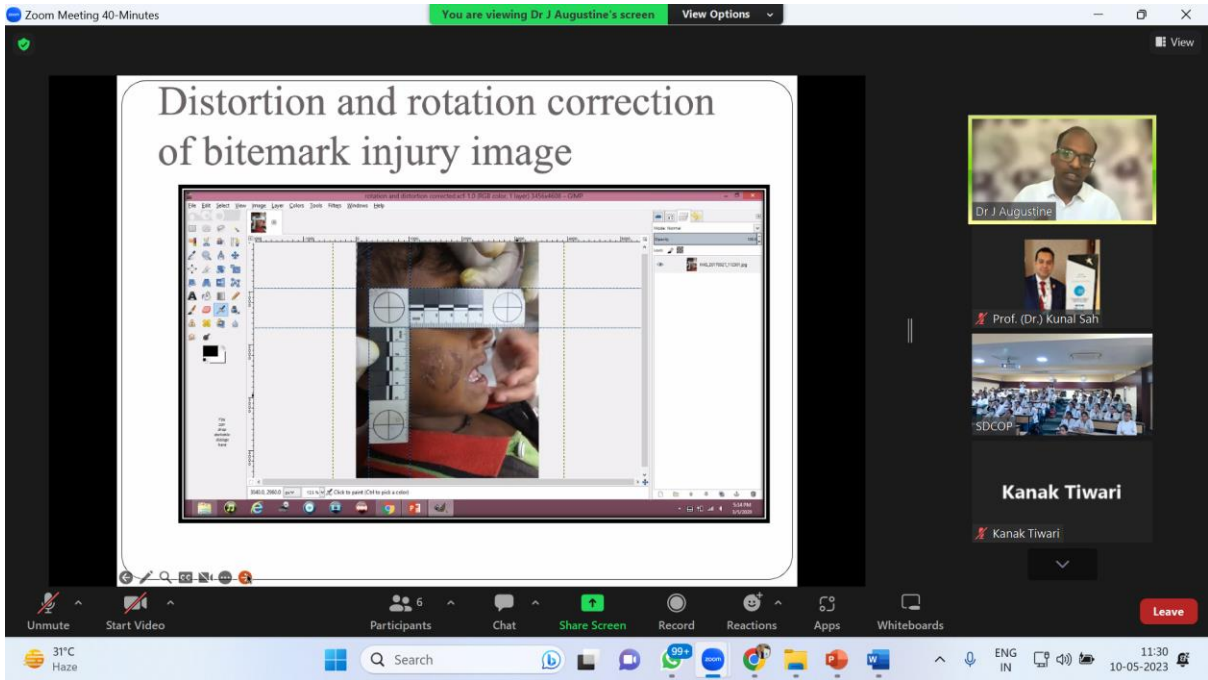
Thanking you,  
 Yrds faithfully,  
 Dr. J. Augustine  
 Associate Professor  
 Department of Oral Pathology and Forensic Odontology  
 MAIDS, New Delhi.  
 Mobile: 9810000000

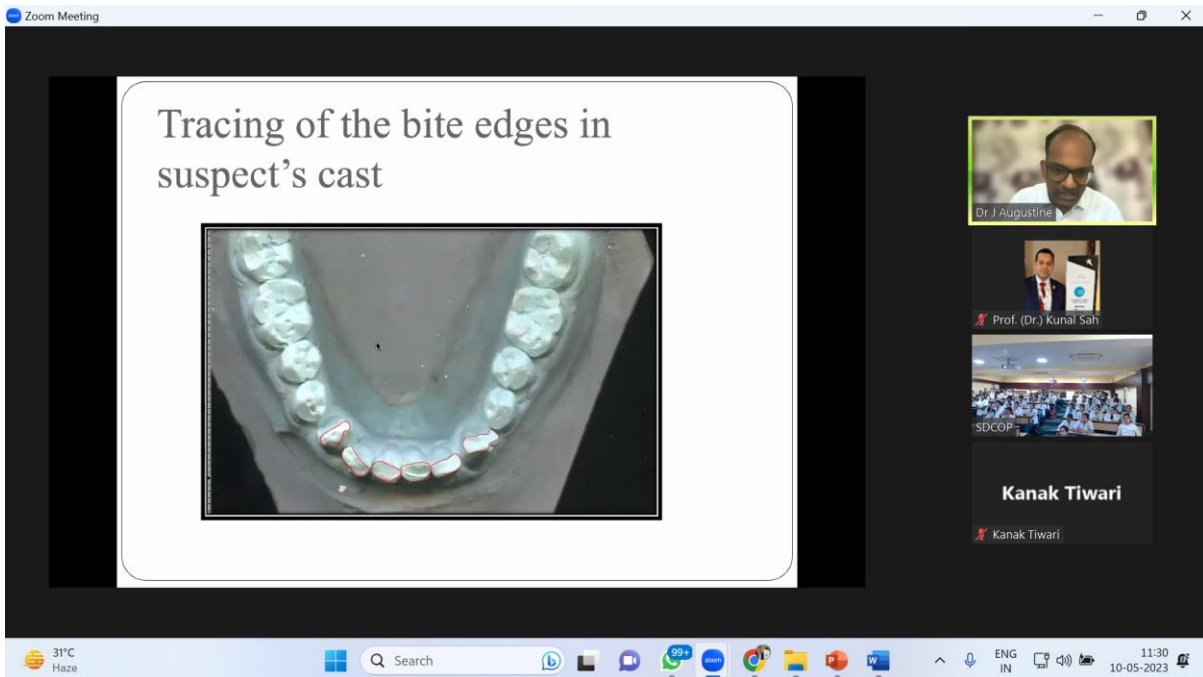




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Superimposition of traced edges with bitemark injury



Dr J Augustine

Prof. (Dr.) Kunal Sah

SDCOP

Kanak Tiwari

Kanak Tiwari

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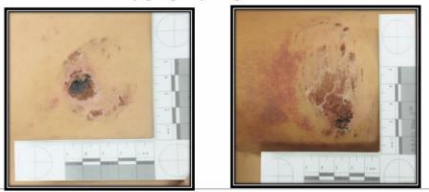
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Remaining Meeting Time: 09:35

Case 1

- Suspect – 58 yr old male
- Victim – 30 yr old male, bitten on upper back and upper arm
- Reason – Family property dispute

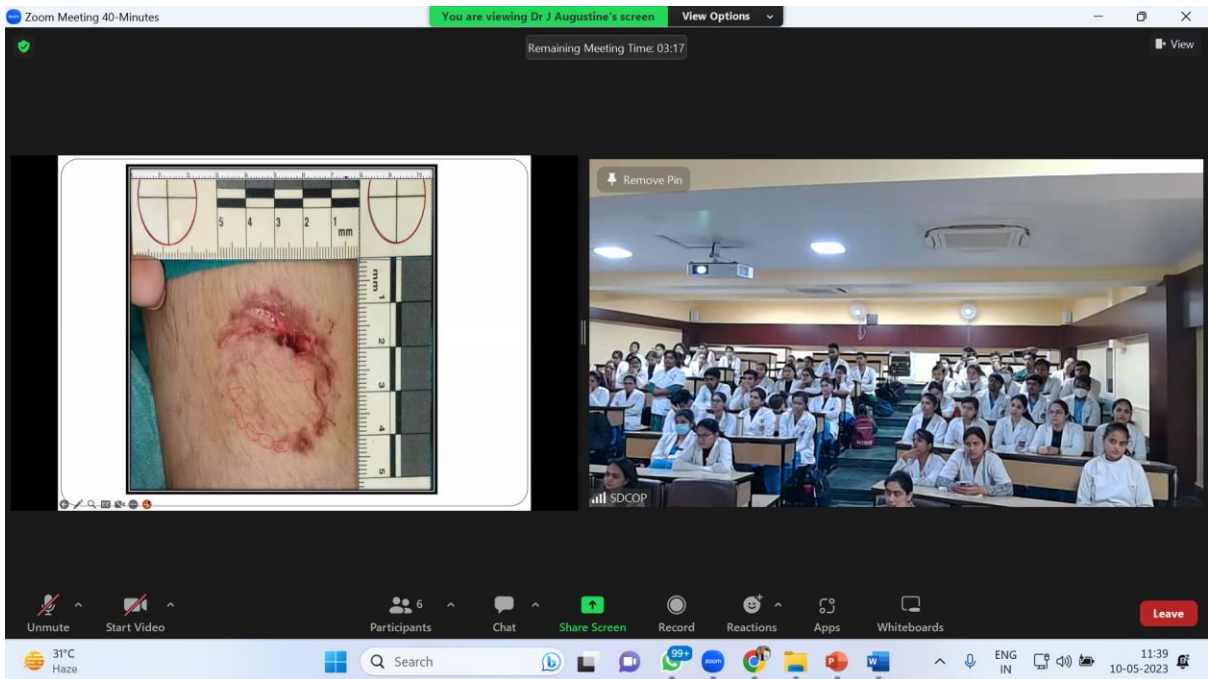
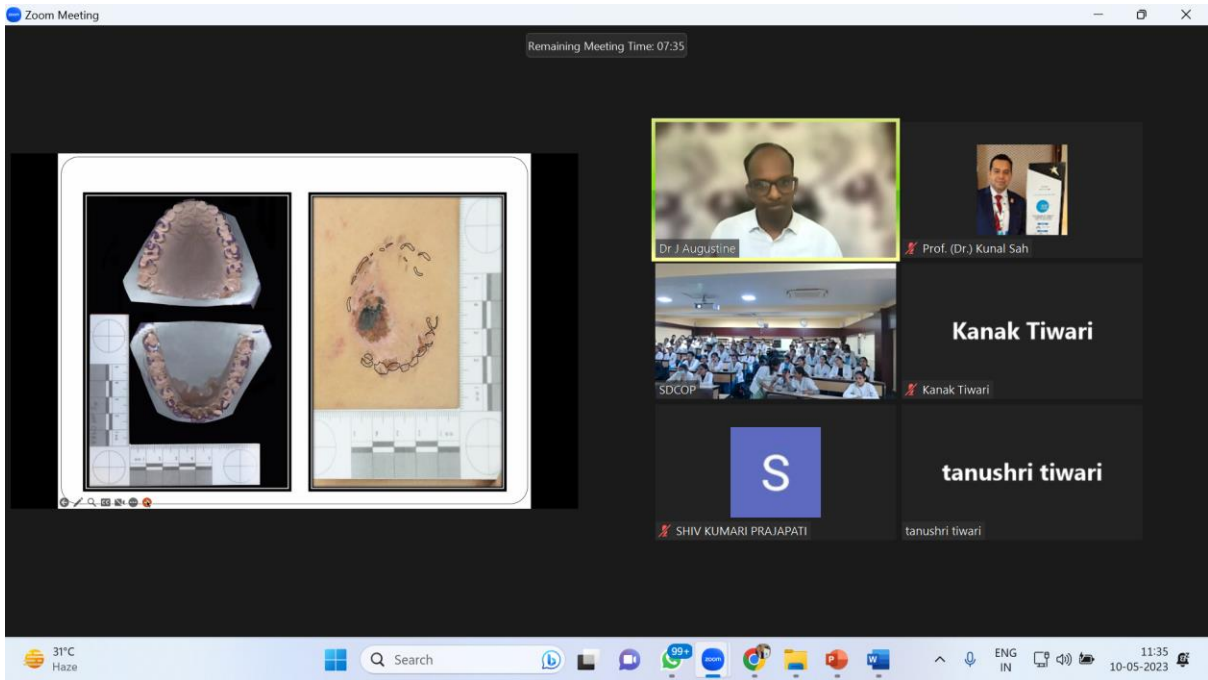


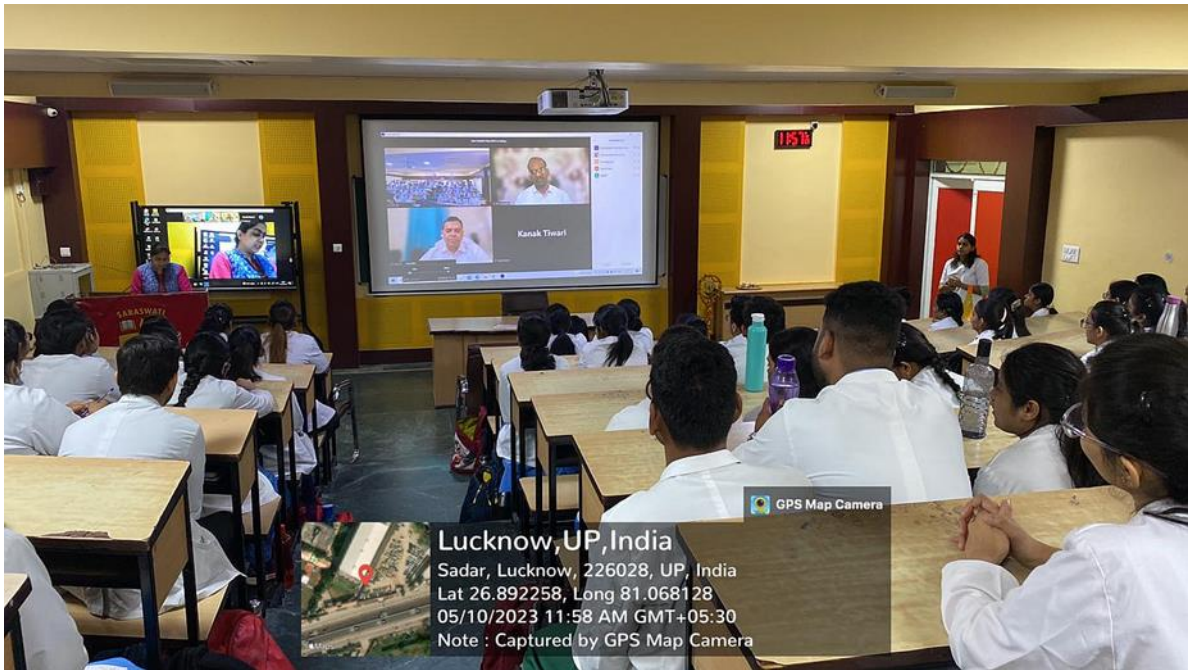
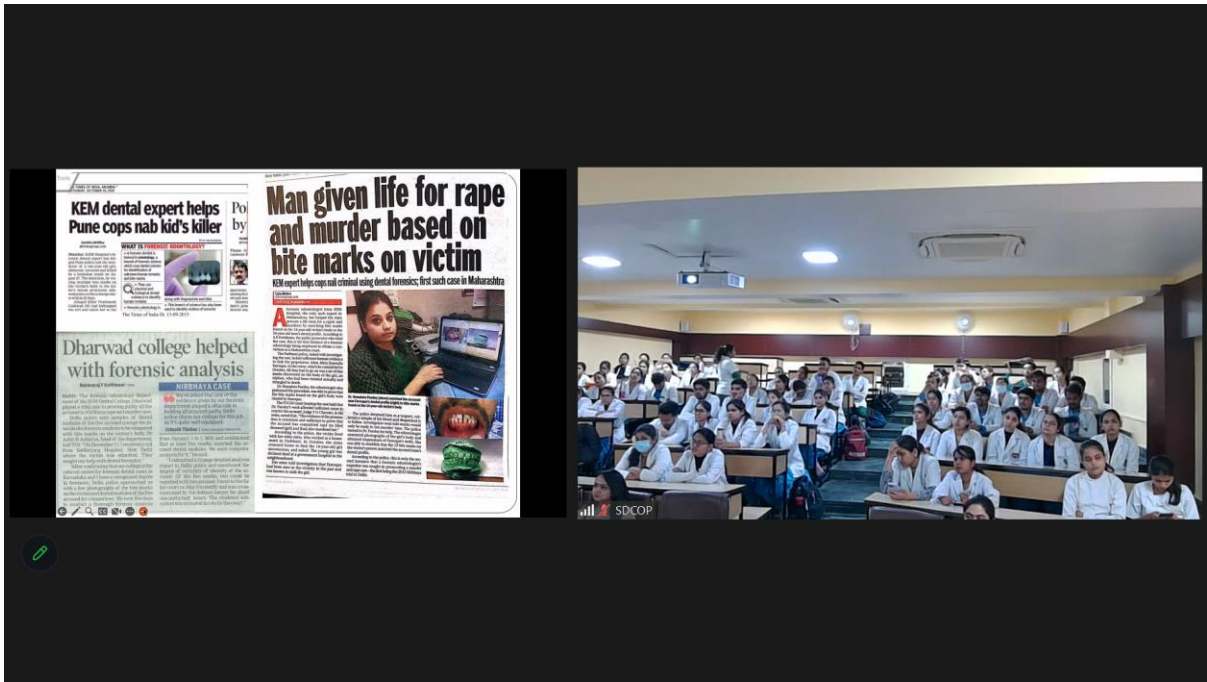
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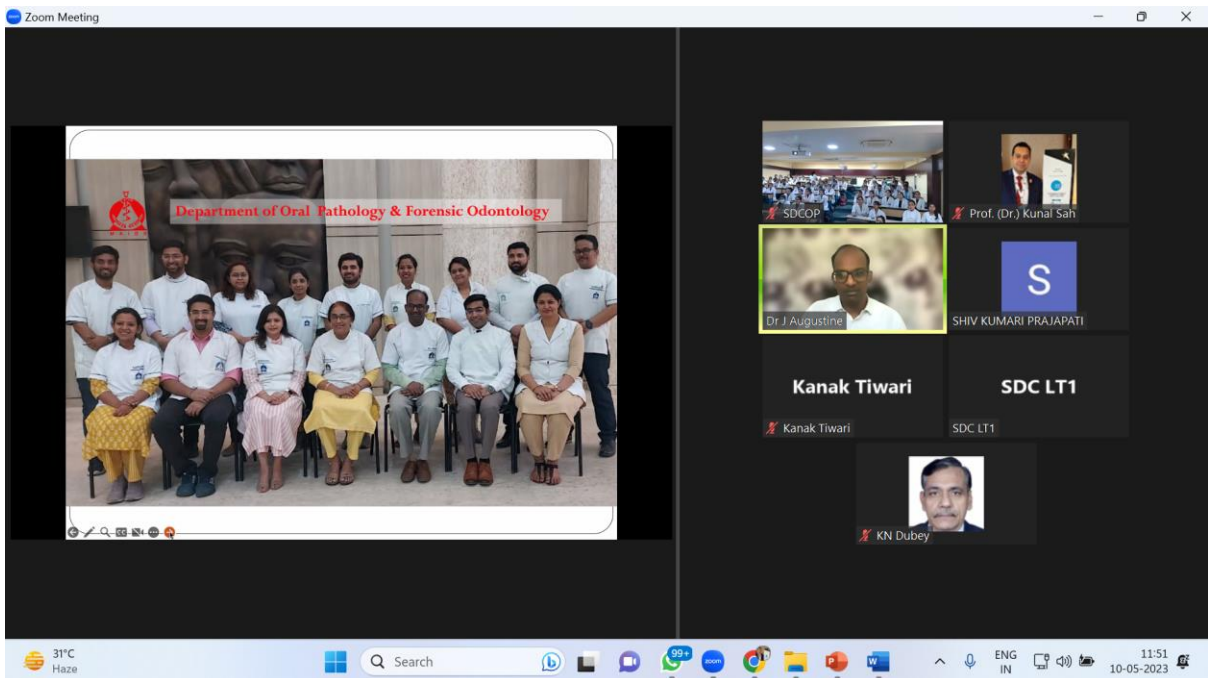
Dr J Augustine

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**SARASWATI**  
DENTAL COLLEGE & HOSPITAL







**Certificate Of Appreciation**

This certificate is awarded to  
**DR. JEYASEELAN AUGUSTINE**  
for excellent deliberation during an Add-on Program on  
**Forensic Odontology – Unveiling the Mystery**  
**“Bite Marks”**  
organized by the  
**Department of Oral & Maxillofacial Pathology and Oral Microbiology**  
**Saraswati Dental College and Hospital, Lucknow on 10<sup>th</sup> May, 2023**

  
**Dr. Rajat Mathur**  
 President SDC&H






  
**Dr. Kunal Sah**  
 Professor and Head,  
 Department of Oral & Maxillofacial  
 Pathology and Oral Microbiology

  
**Dr. Kanak Tiwari**  
 Principal SDC&H



Prof. (Dr.) Kunal Sah  
 KN Dubey  
 SHIV KUMARI PRAJAPATI  
**Kanak Tiwari**

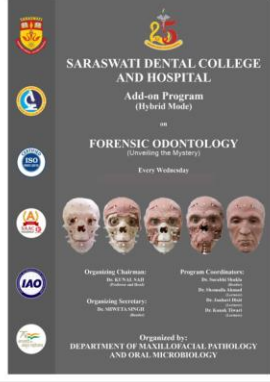

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B I U S A B A A - A - Paragraph Drawing

1 
 2 

**10<sup>th</sup> May, 2023**  
**11:00 A.M.**

**BITE MARKS**

**DR. JEYASEELAN AUGUSTINE**  
 Professor, Department of Oral & Maxillofacial  
 Pathology and Oral Microbiology, Maulana Azad  
 Institute of Dental Sciences, New Delhi.

Prof. (Dr.) Kunal Sah  
 Dr. J Augustine  
 SHIV KUMARI PRAJAPATI  
 SDCOP

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Slide 1 of 2 English (India) Accessibility: Investigate

Notes Comments

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