



MEDICOLEGAL PROGRAM

FORENSIC MEDICINE & TOXICOLOGY
DEPARTMENT
RAWALPINDI MEDICAL UNIVERSITY



PREFACE

Forensic Medicine or Medical Jurisprudence is a science of applying medical facts to legal problems. Forensic Medicine is one of the largest and most important areas of Forensic Science.

Forensic Science is imperative to the detection or investigation of crime that has a pivotal role in the administration and execution of justice. This field of science is especially important for the training and education of medical doctors that would provide a solid scientific background at the legal sector of the medicine. The strength of these consequences depends on the knowledge, skills, and expertise of the medical professionals/students. A medical student/doctor must be capable of integrating this knowledge and skills in the examination, analysis, interpretation, reporting, and testimonial support of evidence. They should also have appropriate knowledge of medicolegal system of Pakistan and how it works.

Department of Forensic Medicine and Toxicology is the only source of quality education and practical training to the students of Private Medical Colleges in Rawalpindi district, based on Memorandum of Understandings with these colleges.

Prof. Muhammad Umar (Sitara-e-Imtiaz)

(MBBS, MCPS, FCPS, FACG, FRCP (Lon),

FRCP (Glassgow), AGAF) s

Vice Chancellor



FOREWORD

Forensic Medicine is the branch of science which helps the law in searching for the truth to maintain justice in the society. The increasing interest in Forensic Medicine throughout the world is no doubt a result of the global rise in both crime and litigation. The Department of Forensic Medicine and Toxicology is working with the aim of equipping the medical students with the essential knowledge of crime scene investigation. To meet the upcoming challenges, advance technology and new techniques are also introduced to the students. The museum of the department is the most modern one having models, wet specimens, instruments and other exhibits like pictures, X-Rays of medico-legal nature and specimen of poisons, weapons etc. Thus, imparting knowledge and contributing to other teaching and training facilities directed to the undergraduate & postgraduate students. The department has well-furnished and well-equipped Toxicology Lab dealing with teaching and training in areas of Forensic Toxicology, Forensic Serology, Forensic Anatomy, and Forensic Radiology. The department has held Journal club meeting on every First Saturday of the month. For practical orientation, the students visit Forensic Medicine Department and DHQ for Autopsy and Medico Legal training

Associate Prof Dr Romana Malik
MBBS, DMJ
HOD
Forensic Medicine & Toxicology

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VISION:

The vision of Department of Forensic Medicine and Toxicology is to provide relevant professional knowledge, skills and ethical values to medical students to enable them to apply their professional skills in provision of justice

- The Department of Forensic Medicine and Toxicology strives to demonstrate leadership in Forensic Sciences in order to:
- Provide affordable, high quality undergraduate and postgraduate education in accordance with the needs of the legal system of the province.
- Improve the educational standards for the training medico-legal officers at grass-root level in order to strengthen the prevalent medico-legal system.
- Conduct new specialized programs postgraduate certificate/ diploma/ degree programs in the field of Forensic Medicine and Toxicology.
- To provide 24/7 medico legal services and consultations to all public upon the request of relevant authorities.

MISSION:

- To have a good command over the subject of Forensic Medicine & Toxicology to prepare a comprehensive Autopsy / Medicolegal certificates with the help of application of principles of medical knowledge in the court of law for furthering of justice
- Provision of standardized medico-legal services to the citizens of Rawalpindi District.

INTRODUCTION

The Department of Forensic Medicine & Toxicology was established in Rawalpindi Medical College in 1976. In early days of the establishment there was No full time Head of Department, however, the District Health Officers (DHO) Rawalpindi were performing their additional duties to supervise the academic activities. In late 80's **Dr. Wasim** was appointed as a Head of Department (on adhoc basis) then he was replaced by Dr. Nadeem Afraz.

In 1991 **Dr. Mian Abdur Rasheed** was appointed as an Assistant Professor of Forensic Medicine & Toxicology, Rawalpindi Medical College Rawalpindi also performed the duty as 1st regular Head of Department & remained posted till 1999. **Dr. Rizwana Qayyum** posted as an Assistant professor of Forensic Medicine and Toxicology at RMC Rawalpindi and also took the charge of the Head of Department and served till her superannuation Nov. 2021. **Dr. Sajid Hameed** who has been performing his duty in the Department of Forensic Medicine & Toxicology for last 9 years was assigned the duty of Head of Department, who served till his superannuation on **15th July, 2022**.

Dr. Shahida Bashir Sr. Demonstrator assigned the duty of Head of Department **16th July 2022** till 17th Feb, 2023. Later on **Dr. Filza Ali** was appointed as Assistant professor of Forensic Medicine and Toxicology at RMU Rawalpindi on **18th Feb 2023**. She remained working as HOD till 31st March, 2023 then **Dr. Romana Malik** was appointed as Associate professor and HOD of Forensic Medicine and Toxicology at RMU Rawalpindi from **1st April, 2023**. In spite of extreme shortage of teaching faculty comprising of only 4 demonstrators, the department is extending its valuable services regarding Forensic Medicine and Toxicology. In addition to academic teaching and practical skills of the subject at DHQ Hospital RWP, the department is also performing its highly recommendable role regarding postgraduate training with reference to **Medico legal & Postmortem Examinations** as per direction of apex court and higher authority to DMLOs and MOs/WMOs of District Health Authorities of Rawalpindi, Jhelum Attock and Chakwal.

OBJECTIVES:

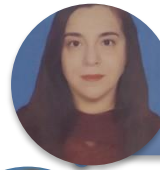
To train and teach under and post grad students of Forensic Medicine to attain knowledge and skill of following aspects:

- Provision of high quality undergraduate and postgraduate education, in accordance with the medico-legal system of the state and the region.
- Ability to Identify, examine & prepare report or certificate in medico legal cases/situations in accordance with the law of land.
- Able to perform medico legal postmortem & interpret findings & results of other relevant investigations to logically conclude the cause, manner & time since death.
- Be aware of medical ethics, etiquette, duties, rights, medical negligence & legal responsibilities of the physicians towards patient, profession, society, state & humanity.
- Be aware of relevant legal/court procedures applicable to the medico legal/ medical practice.
- Be able to preserve & dispatch specimens in medico legal/ post mortem cases & other concerned materials to the appropriate Govt. agencies for necessary examination.
- Manage medico legal implications, diagnosis & principles of therapy of common poisons.
- Be aware of general principles of analytical, environmental, occupational & preventive aspects of toxicology.
- Understand different types of Bio-medical waste potential risks & their management.
- Take proper informed consent for physical examination and ensure confidentiality and appropriate environment for physical examination in case of sexual offences.
- To provide 24/7 medico-legal consultation services to the public health sector.

OUR MEDICOLEGAL TEAM



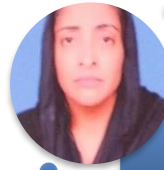
Dr Gulzaib Pervaiz
Sr Demonstrator



Dr Shahrukh Khan
Sr Demonstrator



Dr Naila Batool
Sr Demonstrator



Dr Shahida Bashir
Sr Demonstrator



Dr Filza Ali
Assistant Professor



Dr Romana Malik
Associate Prof & HOD

EDUCATIONAL PROGRAMS:

1. Undergraduate Programs
 - MBBS
2. Postgraduate Programs
 - DMJ

EDUCATIONAL ACTIVITIES:

- Workshop on Medico legal work to impart updated knowledge and skill amongst male and Female doctor working in the
- Casualty department of various health outlets on **20-12-2022.**
- 4 days Post-mortem examination Training of CMO's of Allied Hospitals **04-01-2022 to 07-01-2022.**
- One week refresher training Course to officers regarding medico legal and post post-mortem work **28-2-2022 to 5-3-2022.**



RESEARCH ACTIVITIES:

Dr Romana Malik: HOD& Associate Prof

- Detection of semen in rape case- A 5 year study **(JRMCI)**
- Detection of Alcohol in alleged users- A 5 year study **(JRMCI)**
- Pattern of unnatural deaths – An audit of autopsies **(JRMCI)**
- An analysis of 3105 medicolegal cases at tertiary care hospital, Rawalpindi **(PJMS)**
- Perception of medical students regarding case based learning **(JRMCI)**
- Flipping the training in health profession education **(JRMCI)**
- Thumb and middle finger attributes gender variation in association with blood groups **(PJMHS)**
- Domestic violence in Rawalpindi **(JRMCI)**
- Duration and extent of adipocere formation in hot-humid areas of Pakistan-A retrospective study **(PAFMJ)**
- Relationship between pattern of fingerprints and blood groups **(PJMHS)**
- Relationship of fingerprints with intelligence quotient and emotional quotient among medical students of HI-TECH-IMS **(FUMJ)**

Dr Filza Ali: Assistant Prof

- Motorized Two-Wheeler Accidents; A leading Cause of Death and Disabilities: Autopsy Based Study in Tertiary Care Hospital **(APMC)**
- Suicide by poisoning in Pakistan: review of regional trends, toxicity and management of commonly used agents in the past three decades **(BJPsych)**
- Medicolegal Examination Of Sexual Assault Survivors **(Medforum.pk)**
- To Determine the Pervasiveness of Homicidal Sharp Force Trauma in Rawalpindi and its Relationship with Age and Gender **(JHBS)**

SCHEDULES:

A. Schedule of Medicolegal visits of IIMC 3rd Year students

- 10-11 medico-legal visits in 3rd year
- 16-18 students per batch
- Every Batch comes to DHQ for **2 days** in a scheduled medico-legal visit week in different modules
- From Monday-Thursday
- From 12:00pm-02:00pm
- Accompanied by One Demonstrator
- Sample of schedule of Medicolegal visit is shared below.

1	Facilitator Name	Dr. Sadaf Zahra
2	Batch	II
3	Number of students	18
4	Total Visits	08
5	Visit start date	5th June 2023
6	Visit end Date	8th August 2023
7	Time and Day	Every Monday and Tuesday 11:50am to 3:00pm

B. Schedule of Medicolegal visits of FFMC 3rd Year students

- Total 147-150 students in 3rd year
- Total class is divided in 4 batches(Almost 37-39 students/Batch)
- Every Batch comes to DHQ for **4 days** in a scheduled medico-legal visit week in different modules
- From Monday-Thursday (Not Fixed) From 11:00am-01:30pm
- Accompanied by One Demonstrator or Sr Demonstrator
- Sample of schedule of Medico legal visit is shared below.

S. No.	Batch	No of Students	Date	No of Days	Demonstrator	Remarks
1.	C	37	06-02-23 to 09-02-23	4	Dr. Ali Zeeshan Aslam Dr. Nina Akhtar Khan	
2.	D	35	06-03-23 to 09-03-23	4	Dr. Ali Zeeshan Aslam Dr. Aqsa Sayad	
3.	A	39	29-05-23 to 31-05-23	3	Dr. Ali Zeeshan Aslam Dr. Hina Akhtar Khan	Visit of 1 st June 2023 was cancelled due to weather condition
4.	B	36	28-08-23, 05-09-23 to 06-09-23 & 18-09-23	4	Dr. Ali Zeeshan Aslam Dr. Aqsa Sayad	Visit of 8 th September 2023 was cancelled due to Chehlum.

C. Schedule of Medicolegal visits of RMC 3rd Year students

- Medico-legal visits for next year will be planned after getting Medico-legal visits schedule for new 3rd year of both private institutes
- Total **08 medico-legal visits** in 3rd year
- Every Batch of students will be further divided in sub-batch e.g.(A-1 & A-2)
- One sub-batch (A-1) will visit accident & emergency department for observing different medico-legal cases from **12:00pm-01:00pm**
- 2nd sub-batch (A-2) will visit mortuary at the same time
- Later on from **01:00pm-02:00pm** both batches will switch over
- Accompanied by One Sr Demonstrator
- Sample of schedule of Medicolegal visit is shared below.

Sr. No.	Modules	No of M/L Visits
1.	Foundation-I	01
2.	Foundation-II	01
3.	GIT Module	02
4.	Microbes & Antimicrobials	02
5.	Haematology	01
6.	CVS	01

D. Schedule Of Medicolegal Training of Postgraduate Students

D-1: Yearly Training Plan

COURSE	COMPONENTS	ASSESSMENT
DMJ PART I (06 Months)	04 weeks Rotation in Anatomy	Continuous / Formative internal assessment
	04 weeks Rotation in Pathology	
	04 weeks Rotation in Community Medicine	DMJ Part I training assessment. Details in assessment section
	04 weeks Rotation in Psychiatry Department BBH (For Behavioral Sciences)	
	06 Months training in Forensic Medicine	
	02 RMU mandatory workshops on Research Methodology & Biostatistics	
DMJ PART II (1Year & 06 Months)	1 Year Theoretical Training in Forensic Medicine	Continuous / Formative internal assessment Summative Assessment at the end of Two years training
	6 Months Practical Medico legal Training In DHQ ,Rawalpindi	
	02 RMU mandatory workshops on Research Methodology & Biostatistics	Details in assessment section

Schedule Of Medicolegal Training Of Postgraduate Students

D-2: Monthly Rotations in Department.


- Anatomy
- Pathology
- Community Medicine
- Psychiatry

D-3: Weekly Academic Activity

- 03 days/Week deputed in different Departments
From Mon-Wed (09am to 12pm)
- 06 days/week in Forensic Medicine
From Mon-Wed (12pm to 02pm)
- 3 days Medico-legal training in DHQ mortuary
From Thurs-Sat (10am to 12pm)
- Daily Forensic Medicine Topic Presentation
From Mon-Wed (12pm to 02pm)

- Journal Club meeting once a week in Forensic Med Dept
On Sat (12pm to 02pm)
- Daily morning meeting in Forensic Medicine Department
- All PGTs will be regularly evaluated by Case Base Presentations, and Group Discussions

Schedule of Monthly Medico Legal Duties of CMO's
Rawalpindi Teaching Hospital
August,2023


OFFICE OF THE MEDICAL SUPERINTENDENT
RAWALPINDI TEACHING HOSPITAL,
RAWALPINDI

No 4090 /RTH, Rawalpindi Dated 07/08 /2023

OFFICE ORDER

With reference to discussion of different medicolegal issues with Surgeon Medicolegal Punjab, Lahore on behalf of the Competent Authority during the surprise visit Dated 03.08.2023. As per direction, after scrutinized the following regular SMOs/MOs are hereby notified for revised duty roster of Medico Legal Duty w.e.f. 07th August, 2023 till further order -

DATE	DAYS	MORNING SHIFT	EVENING SHIFT	NIGHT SHIFT
07.08.2023	Monday	Dr. Ahmad Farooq	Dr. Ahmad Farooq	Dr. M. Junaid
08.08.2023	Tuesday	Dr. Gulab Shah	Dr. Gulab Shah	Dr. Arshad Nazir
09.08.2023	Wednesday	Dr. Uzair Hasan	Dr. Uzair Hasan	Dr. M. Junaid
10.08.2023	Thursday	Dr. Arshad Nazir	Dr. Arshad Nazir	Dr. Gulab Shah
11.08.2023	Friday	Dr. Gulab Shah	Dr. Gulab Shah	Dr. M. Junaid
12.08.2023	Saturday	Dr. Uzair Hasan	Dr. Uzair Hasan	Dr. Ahmad Farooq
14.08.2023	Monday	Dr. Ahmad Farooq	Dr. Ahmad Farooq	Dr. Uzair Hasan
15.08.2023	Tuesday	Dr. Arshad Nazir	Dr. Arshad Nazir	Dr. M. Junaid
16.08.2023	Wednesday	Dr. Ahmad Farooq	Dr. Ahmad Farooq	Dr. Arshad Nazir
17.08.2023	Thursday	Dr. Gulab Shah	Dr. Gulab Shah	Dr. M. Junaid
18.08.2023	Friday	Dr. Arshad Nazir	Dr. Arshad Nazir	Dr. Ahmad Farooq
19.08.2023	Saturday	Dr. Ahmad Farooq	Dr. Ahmad Farooq	Dr. Uzair Hasan
21.08.2023	Monday	Dr. Arshad Nazir	Dr. Arshad Nazir	Dr. M. Junaid
22.08.2023	Tuesday	Dr. Gulab Shah	Dr. Gulab Shah	Dr. Arshad Nazir
23.08.2023	Wednesday	Dr. Gulab Shah	Dr. Gulab Shah	Dr. Ahmad Farooq
24.08.2023	Thursday	Dr. Ahmad Farooq	Dr. Ahmad Farooq	Dr. M. Junaid
25.08.2023	Friday	Dr. Uzair Hasan	Dr. Uzair Hasan	Dr. Gulab Shah
26.08.2023	Saturday	Dr. Arshad Nazir	Dr. Arshad Nazir	Dr. Uzair Hasan
28.08.2023	Monday	Dr. Uzair Hasan	Dr. Uzair Hasan	Dr. M. Junaid
29.08.2023	Tuesday	Dr. Gulab Shah	Dr. Gulab Shah	Dr. Ahmad Farooq
30.08.2023	Wednesday	Dr. Ahmad Farooq	Dr. Ahmad Farooq	Dr. Gulab Shah
31.08.2023	Thursday	Dr. Arshad Nazir	Dr. Arshad Nazir	Dr. M. Junaid

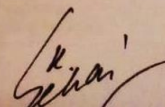
SUNDAY

DATE	DAYS	MORNING SHIFT	EVENING SHIFT	NIGHT SHIFT
13.08.2023	Sunday	Dr. Uzair Hasan	Dr. Uzair Hasan	Dr. Ahmad Farooq
20.08.2023	Sunday	Dr. M. Junaid	Dr. M. Junaid	Dr. Gulab Shah
27.08.2023	Sunday	Dr. Gulab Shah	Dr. Gulab Shah	Dr. M. Junaid

NOTE:-
All CMO's of this hospital with the direction that in case of Medico Legal examination of a patient by other than CMO as per duty roster. It shall be noted on the top of MLR/PM. Which shall be duly signed by duty DMS /Director (Emergency) as per their duty. In exceptional case, all CMO's are directed to follow Duty Roster strictly.

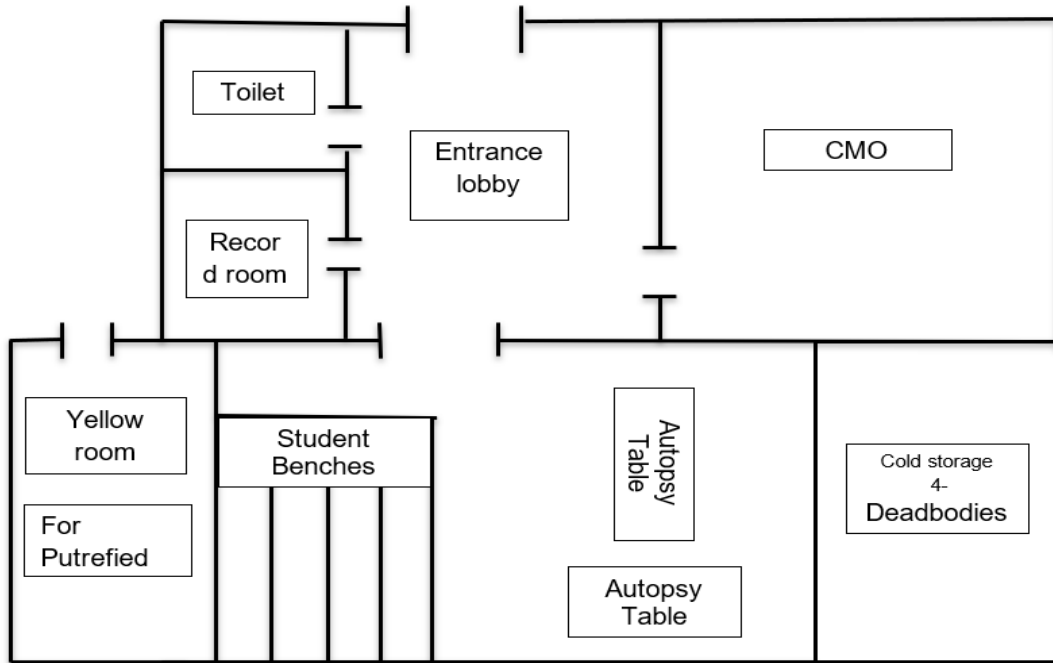
Director Emergency
RTH, Rawalpindi

NO & DATE EVEN:-
Copy forwarded for information to the :-
1. District and Sessions Judge, Rawalpindi
2. Medical Superintendent of this hospital
3. AMS (A) of this hospital.
4. MO Notice Board
5. Officers Concerned



Infrastructure:

Rawalpindi Teaching Hospital - Mortuary



Mortuary Classroom sitting capacity

- Approximately 50 students can sit at one time.
- Air Condition (02-Non-functional)
- Chillier are in process of installation after proper wiring
- Student sitting benches' are installed

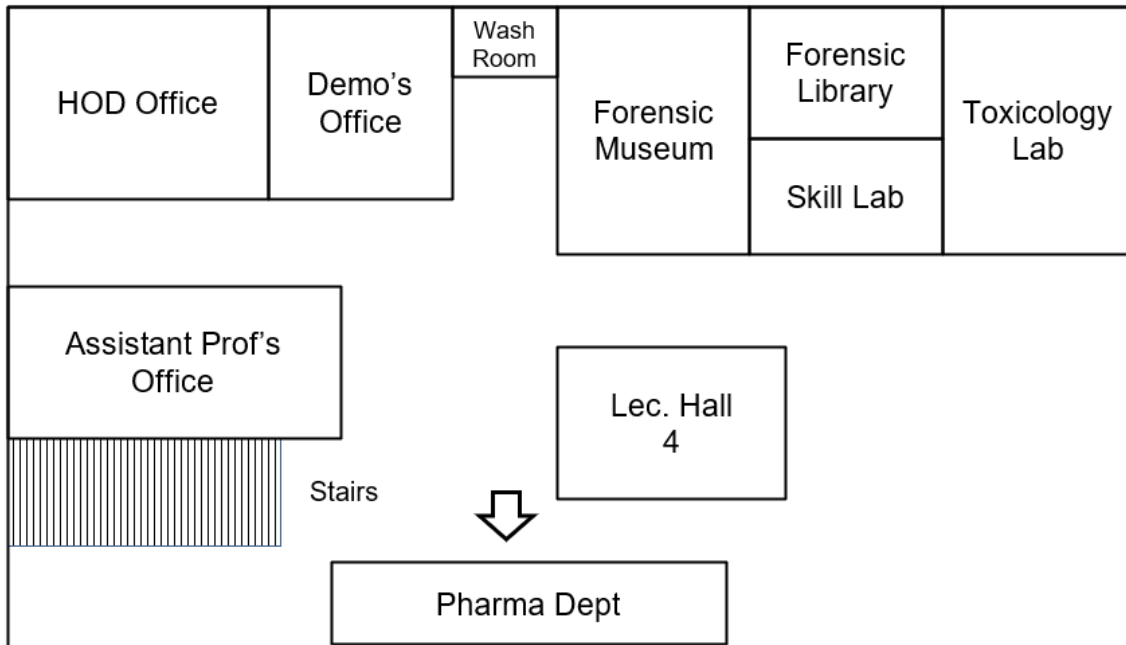
Mortuary Cold Storage Capacity

- Cold storage both (New & old)
- 04 in workable condition
- 8-10 are in process of installation (Wiring work in progress)

Medicolegal visits of 3rd Year students

- Rawalpindi Medical university students (Total 08 medico-legal visits in 3rd Year)
- Two private medical colleges (Ripha International Medical College & Fauji Foundation Medical college)
- **Payment:** of Private medical colleges (MOU signed for above mentioned med colleges)
- **Procedure:**
 - i. Permission letter to MS DHQ for Autopsy visits.
 - ii. Submission of fees per student/year paid by private medical colleges
 - iii. Six weeks visit
- **Class Time:** 2hours (Schedule of each private college is shared above)

Forensic Medicine & Toxicology Department
Rawalpindi Medical University
Floor Plan & Infra Structure



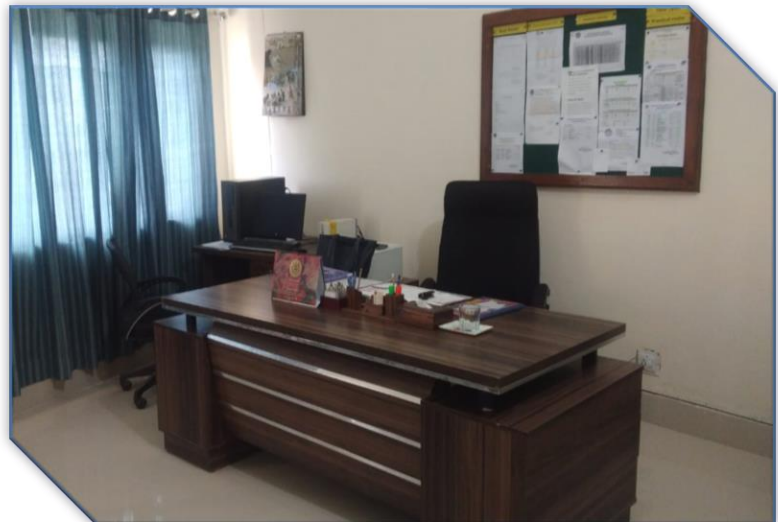
HOD Office



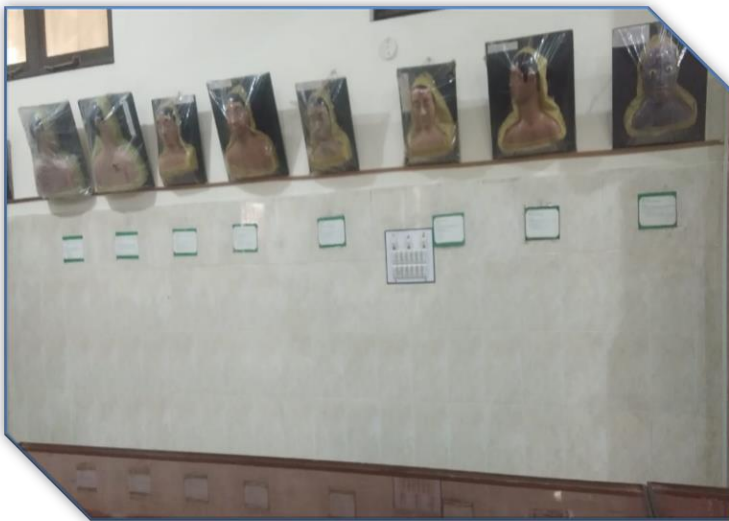
Demonstrators' Office



Asst Prof Office



Forensic Museum



Toxicology Lab & Forensic Library



