Evaluative Report of the

Department Forensic Medicine

- 1. Name of the Department Forensic Medicine
- 2. Year of establishment ---
- 3. Is the Department part of a School/Faculty of the university?

Part of the college

- 4. Names of programmes offered (UG, PG, PharmD., Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.) MBBS, MD
- 5. Interdisciplinary programmes and departments involved
- 6. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
- 7. Details of programmes discontinued, if any, with reasons **Nil**
- 8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

As Per MCI Rule

- 9. Participation of the department in the courses offered by other departments

 As and When required, department participate in academic and research activities
- 10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)				
Professor							
Associate Professors							
Asst. Professors		Annexure-I					
Sr. Demonstrator							

11. Faculty profile with name, qualification, designation, area of specialization,

experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years	
Annexure-II						

- 12. List of senior Visiting Fellows, adjunct faculty, emeritus professors **Nil**
- 13. Percentage of classes taken by temporary faculty programme-wise information **Nil**
- 14. Programme-wise Student Teacher Ratio

As per MCI rules

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Academic support staff (technical)

Sanctioned --Filled --Actual 9

Administrative staff: sanctioned, filled and actual

Sanctioned --Filled --Actual 1

16. Research thrust areas as recognized by major funding agencies **Nil**

- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. **Nil**
- 18. Inter-institutional collaborative projects and associated grants received Nil
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **Nil**
- 20. Research facility / centre with

Apart form departmental research facility, a central research laboratory

- 21. Special research laboratories sponsored by / created by industry or corporate bodies **N/A**
- 22. Publications:
 - * Number of papers published in peer reviewed journals (national/international)
 - * Chapters in Books Annexure-III
 - * Edited Books
- 23. Details of patents and income generated **Nil**
- 24. Areas of consultancy and income generated **Nil**
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / Industries in India and abroad **Nil**
- 26. Faculty serving in **Annexure -IV**
 - a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) Any other
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

The frequently visits other institutes to attends these programmes

- 28. Student projects Nil
- 29. Awards / recognitions received at the national and international level by(Annexure-V)
 - Faculty
 - Doctoral / post doctoral fellows
 - Students
- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any. NIL

CONFERENCE/CME HELD	DATES (From - TO) Year)	(Date-Month-

- 31. Code of ethics for research followed by the departments

 As the guidelines of ethical committee of the institute
- 32. Student profile programme-wise: N/A

Name of the	Applications	Selected		Pass percentage	
Programme	received	Male	Female	Male	Female
(refer to question no. 4)					

33. Diversity of students **N/A**

Name of the	% of	% of students	% of students	% of
Programme student		from other	from	students
(refer to question	from the	universities	universities	from other
no. 4)	same u	within the S	outside the	countries
,	niversity	tate	State	

34. How many students have deared Civil Services and Defence Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

N/A

35. Student progression N/A

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
Campus selection	
Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates					
of the same university	100%				
from other universities within the State	nil				
from universities from other States	Nil				
from universities outside the country	nil				

- 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period -N/A
- 38. Present details of departmental infrastructural facilities with regard to

- a) Library 105 books
- b) Internet facilities for staff and students

Available

c) Total number of class rooms

Central facility + one Demonstration Room

- d) Class rooms with ICT facilityCentral facility
- e) Students' laboratories **Central facility**
- f) Research laboratories Central facility + Departmental Laboratories
- 39. List of doctoral, post-doctoral students and Research Associates N/A
- 40. Number of post graduate students getting financial assistance from the university/college. **One**
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **Nil**
- 42. Does the department obtain feedback from
 - a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
 - c. alumni and employers on the programmes offered and how does the department utilize the feedback?

Frequently the feedbacks are obtained, which are used for development and improvement of the department.

43. List the distinguished alumni of the department (maximum 10)

Dr Manoj Wahi

Dr Gaurav Aggarwal

Dr Gautam Biswas

Dr Mukta Rani

Dr Yogesh Tyagi

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Nil

45. List the teaching methods adopted by the faculty for different programmes including clinical teaching.

Audio- visual aids (Power Point & Over Head Projector) and live demonstration of the cases are used for different teaching programme.

- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? **By feedback responses**
- 47. Highlight the participation of students and faculty in extension activities. Nil
- 48. Give details of "beyond syllabus scholarly activities" of the department. Nil
- 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. **Nil**
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

CONTRIBUTIONS OF THE DEPARTMENT

As the department is involved in Research activities, the inference of our research in the form of age determination and incidence of various types of injuries, are helping in various medico-legal activities of the state. The knowledge of various faculty members is being used for giving expert opinion to Delhi Police, CBI, & NHRC. etc.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

The strength of the department is in the form of 13 doctors and 10 paramedical staff in the department along with 10 paramedical personal exclusively in the mortuary, as they are working for the students and patient care up to their best.

They all do and help in quality class teaching of under-graduate, and post-graduate students and patient care. Apart from this, approximately 1800 medico-legal autopsies (of the whole North East districts of Delhi) per year by the department including patient care from nearby states i.e, U.P. The department is giving consultation services for all the medico-legal cases coming to GTB Hospital. Our department is actively engaged for giving opinion in the cases related to disputes of age. Faculty members of our department are acting as expert on various selection committees, delivered guest lectures and appointed members of the editorial boards. They also work in the capacity of Chairman/ Members in large number of review / post mortem boards constituted by different govt. agencies like Delhi Govt., CBI etc., and also faculty members have been nominated as experts for National Human Right Commission, New Delhi India.

Weaknesses:

Weakness of the department lies in expectation from the students and public of the area, which are beyond our preview, but still we are trying to fulfil these expectations at our best.

Opportunities:

As the department is involved in medico- legal work since 1991. The mortuary block needs renovation. The department is planning to have toxicology lab of their own for academic purposes. If opportunities are given we will try to do better than what we are performing today.

Challenges:

- 1. In future to have toxicology lab in the department.
- 2. Renovation of the mortuary blocks is under progress, which will help in UG/PG teaching and patient care.

52. Future plans of the department. ---

- 1. The department proposes to start the toxicology lab, to help for the academic activities.
- 2. Up-gradation of Museum.

Sanctioned and Working Strength

(Department of Forensic Medicine)

Post	Sanctioned Strength	Working Strength
Professor	1	4*
Assoc. Professor	1	0#
Asstt. Professor	4	1*
Senior Resident	6	3
Total	12	8

^{*}One Senior Residents and Three Assistant Professor on the sanctioned posts had been up graded to Professor.

One post of associate professor has been downgraded and has been filled as Assistant Professor.

#.The sanctioned Post of Assoc. Professor had been downgraded to the Assistant Professor.

Hence, one sanctioned post of Professor and one sanctioned post of Assistant Professor are vacant and have been advertised.

Annexure- II

A. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

DEPARTMENT OF FORENSIC MEDICINE

SI. No	Name of the teachers with date of birth	Present designation	PG qualification (with subject) and year of passing	College /Institution of obtaining PG qualification	University granting the qualification	Date wise Teaching Experience with designations	Nos. of MD students for the last 5 Years
1.	Dr. N.K. Aggarwal 19.12.1957	Director Professor & Head, Deptt. of Forensic Medicine, UCMS	MBBS – 1979 MD(FM) – 1987	UCMS UCMS	Delhi Delhi	Demonstr. – 23.6.82 to 22.6.88 – 6 years Lecturer – 23.6.88 to 22.6.89 – 1 year Lecturer in SS – 23.6.89 to 22.6.92 – 3 years Reader – 23.6.92 to 22.6.00 – 8 years Professor – 23.6.2000 to 30.12.2008 – 8 ^{1/2} Years Director Professor – 31.12.2008 till date	Three
2.	Dr. K.K. Banerjee 16.11.1955	Professor	MBBS – 1978 MD(FM) – 1987	UCMS UCMS	Delhi Delhi	Demonstr 2.4.83 to 8.8.88 - 5 yrs 4 months Lecturer - 9.8.88 to 8.8.89 - 1 year Lecturer in SS - 9.8.89 to 8.8.91 - 2 yrs Reader - 9.8.91 to 8.8.99 - 8 years Professor 9.8.99 till date	Two

Annexure- II

3.	Dr. S.K. Verma 3.11.1959	Director Professor	MBBS – 1982 MD(FM) – 1986	UCMS AIIMS	Delhi AIIMS	Specialist – 10.6.87 to 30.9.88 – 1 year 3 months Lecturer – 1.10.88 to 30.9.90 – 2 years Lecturer in SS – 1.10.90 to 30.9.92 – 2 years Reader – 1.10.92 to 30.9.00 – 8 years Professor – 1.10.2000 to 30.12.2008 – 8 Yrs 2 Months Director Professor – 31.12.2008 till date	One
4.	Dr. Anil Kohli 6.4.1962	Director Professor	MBBS-1985 MD(FM) - 1992	UCMS UCMS	Delhi Delhi	Sr. Demo. 31.7.92 to 14.1.94 – 1 year 5½ months Lecturer – 3.6.95 to 2.6.96 – 1 year Lecturer in SS – 3.6.96 to 2.6.98 – 2 years Reader – 3.6.98 to 31.12.2005- 71/2 Years Associate Professor(Re designation)- 01.01.2006 to 31.12.2008 – 3 years Professor(Re designation)- 31.12.2008 to 31.12.2012 – 4 years Director Professor- 01.01.2013 till date	Two
5.	Dr. Arvind Kumar 1.7.1972	Assistant Professor	MBBS – 1996 MD(FM) – 2004	UCMS -do-	Delhi Delhi	Sr. Demonstr 10.6.2004 to 2.08.2007- 3 years and 2 month Lecturer(adhoc) - 3.08.2007 to 5.12.2008 Asst Professor- 15.09.2009 to till date.	Two

LIST OF PUBLICATIONSOF THE DEPTT. (LAST 5 YEARS)

- Kohli A. Mapping murder- The geography of Indian firearm fatalities. Indian Armed Violence Assessment Issue Brief No.2. Geneva: Small Arms Survey; September 2011. Available from:india-ava.org/fileadmin/docs/IAVA%20IB%20Two.pdf
- 2. Murty OP, Verma SK, Supaya JP. Jennifer Lee Liping, Loo Hsueh Han, Maria Elina bt ZiaStudy on Pattern of Suicides in Malaysian and Indian Capital. IIJFMT 2011; 9(2): 33-40.
- 3. Verma A, Verma SK. Dental/Medical practice and Right to Information Act: Current status. IIJFMT 2011; 9(1): 7-18
- 4. Verma SK, Verma A. Admissibility of Forensic Evidence in Indian Courts. IIJFMT 2011; 9(4): 86-91.
- 5. Gupta N, Aggarwal NK. Child abuse. Delhi Psy J.2012; Vol15 (2): 416-19.
- 6. Kumar A, Kohli A, Verma SK. Fetal cardiac tamponade by Bodkin. Med Sci Law msl.2012.012021; epublished ahead of print 8 October 2012, doi:10.1258/msl. 2012.012021.
- 7. Srivastava V, Kohli A, Banerjee KK. Pattern of fatal blunt thoracoabdominal trauma in north east Delhi. J Forensic Med Toxicol.2012 Jan-Jun; 29(1):18-22.
- 8. Kumar A, Kohli A, Verma SK. Fatal cardiac tamponade by Bodkin. Med Sci Law 2013; 53: 93-95.
- 9. Murty OP, Kohli A, Millo T, Rani M, Verma SK, Sikary AK, Girdhar S, Sharma SK, Banerjee KK, Kumar PS. Uniform guidelines for postmortem work in India: faculty development on standard operative procedures (sop) in forensic medicine and toxicology. J Forensic Med Toxicol 2013; 30: 1-136.
- 10. Siddamsetty AK, Aggarwal NK. Bhatia MS. Sexomania, Delhi Psych J, Oct. 2013; 16(2), 432-434.
- 11. Gupta N, Aggarwal NK, Bhatia MS. The Protection of Children from Sexual Offences (POCSO), Delhi Psych J, Oct 2013; 16(2), 429-431.
- 12. Aggarwal NK. contributed a chapter "legal Procedures" in Modern text Book of Forensic Medicine and Toxicology, edited by Dr Putul Mahanta and published by Jaypee Brothers, New Delhi.
- 13. Aggarwal NK. Safety of women against sexual harassment Role of education in school & Hospitals, Page No. 27-29, Souvenir, ICFMT-2014.
- 14. Aggarwal NK. Work Place Discrimination and Sexual Harassment Page No. 52-54, Souvenir, ICFMT-2014.
- 15. Siddamsetty AK, Aggarwal NK, Bhatia MS. Concept of Psychological Autopsy Page No. 458-561, Delhi Psychiatry Journal, Vol. 17, Oct. 2014.
- 16. Siddhamsetty AK, Verma SK, Kohli A, Puri D, Singh A. Estimation of Time since death from

- electrolyte, glucose & calcium analysis of postmortem vitreous humour in semi-arid climate. Med Sci Law 2014; 54: 158-66.
- 17. Siddhamsetty AK, Verma SK, Kohli A, Verma A, Puri D, Singh A. Exploring time of death from potassium, sodium, chloride, glucose & calcium analysis of postmortem synovial fluid in semi arid climate. J Forensic Legal Med 2014; 28: 11e14.
- 18. Verma SK, Verma A. Recent Changes in Sexual Assault and Rape Laws. In: Biswas G (ed.). Recent Advances in Forensic Medicine and Toxicology. Jaypee Brothers Medical Publishers (P) Ltd. N-Delhi, 2015.
- 19. Verma S K, Verma Aditi. Recent Changes in sexual Assault and Rape laws. In: Biswas G (ed.). Recent advances in Forensic Medicine and Toxicology. Jaypee Brothers Medical Publishers (P) Ltd. N.Delhi ,2015.
- 20. Verma A, Verma SK. Role of dentists in dental age assessment: Legal provision in India and limitations. IIJFMT 2015; 13(4):92-100.
- 21. Srivastav V, Kohli A, Banerjee K K. New injury severity score in fatal blunt thoracoabdominal trauma in north east Delhi. JIFAFM.2015, Jan-March; 37(1):65-7.
- 22. Bhausaheb NA, Baburao CS, Banerjee KK, Kohli A. Pattern of external and internal findings in deaths owing to hanging-a study in northeast Delhi. Int J Med Sci Public Health.2015;4(11):1536-9.
- 23. Kumar A, Garg S, Kohli A, Verma SK. Radiological Age Estimation from Epiphyseal Union of Base of First Metacarpal Radius and Ulna. J Forensic Med & Toxicol. 2015; 32 (2): 1-7.
- 24. Siddamsetty AK, Kumar A, Aggarwal NK, Kumar A. Estimation of Age by Pubic Symphysis Metamorphosis in East Delhi Population. J Indian Acad Forensic Med. 2016; 38(2): 22-4.

N.K AGGARWAL

- 1. Nominated as an expert for National Human Rights Commission to impart opinion in cases of Custodial deaths 2012.
- 2. Member National editorial advisory board for the journal medico-legal update.
- 3. Member National editorial advisory board for the journal IJFMT.
- 4. Member scientific council for the journal of FMT.
- 5. Member editorial board Delhi Psychiatry Journal, published by Delhi Psychiatric society.
- 6. Member national advisory board IAMLE.
- 7. Review Committee member IAFM.
- 8. Invited to deliver a talk on "Ethical Aspects of AIDS" as guest lecture on Symposium cum CME-2012, on Medico-legal Responsibilities of doctors at Bhagat Phool Singh Govt. Medical Colllege for women, Sonepat.
- 9. Participated in panel discussion on "Female Feticide-Society and Doctors" in first Symposium cum CME-2012, on Medico-legal Responsibilities of doctors at Bhagat Phool Singh Govt. Medical College for women, Sonepat.
- 10. Attended a meeting in the context of setting up of 'Toxicology Lab for Viscera and DNA analysis" in Delhi Govt. Hospitals at Delhi Secretriate, New Delhi in 2013.
- 11. Delivered a Guest Lecture on "Euthanasia- Its pros and cons related to medical practice was delivered at XXXV Annual National Conference of Indian Academy of Forensic Medicine, FORENSICOON 2014 and CME, at Guwahati.
- 12. Delivered a Guest Lecture on Computer and Engineering in Forensics, organized by Computer Society of India, Delhi chapter at Delhi.
- 13. Chaired a panel discussion on "Sexual abuse and Rape" in 12th Annual conference of IAPP-UP: UK held at Subharti Medical College, Meerut.
- 14. Delivered a Guest lecture on "Work place Discriminations and Sexual harassment" at CME held at Sharda University, G. Noida, by ICFMT 2014.
- 15. Delivered Dr. BBL Aggarwal oration- "Safety of women against sexual harassment " in XIII Annual National Congress of ICFMT held at Sharda University, G. Noida.
- 16. Delivered a guest lecture on "What to do in Hospital Practice, Medico-legal & Negligence" perspective for Doctors, Nurses & Paramedical at Bhagwan Mahvir Hospital, Delhi.
- 17. Delivered a lecture on "Ethical issues in Surgical Practice" at CME on Contemporary Medicolegal and Ethical Issues in medical/ surgical practice held at UCMS & GTBH Hospital, Delhi.
- 18. Member of the Committee constituted by GNCTD, to work out Technical Specification of the required equipments and procurement plan.
- 19. Nominated as expert member to recommend the complete provision of infrastructure, equipments to stat the mortuary services in Guru Govind Singh Hospital, Delhi.
- 20. Delivered a gues lecture on the topic "MCI curriculum and uniformity of Medico legal Services in India" at Forensic Medicone, B J Medical college, Ahmedabad.
- 21. Delivered a guest lecture on the topic of "Medico legal aspects in obstetrics of Gynecology" in the CME cum conference on medico-legal issues in patient care held at SHKM, Govt. medical college, Mewat.

S. K. VERMA

- 1. Asst. Editor of Journal of Forensic Medicine and Toxicology from the 1990-1992.
- 2. Member, Editorial Board of Journal of Forensic Medicine and Toxicology from 1995-97.
- 3. Publicity and circulation Editor, Journal of Forensic Medicine and Toxicology 1998.
- 4. Executive Editor of International Journal of Medical Toxicology and Legal Medicine published from AIIMS, N. Delhi, 1999-2000.
- 5. Appointed member of the ABI's Research Board of Advisers, USA.
- 6. Member, Editorial Board in Journal of Indian Academy of Forensic Medicine.
- 7. Member Editorial Board, Journal of Dentistry & Disorders, Austin Publishing Group,
- 8. USA.
- 9. Reviewer for Journal of Mental Health and Human Behavior.
- 10. Reviewer for the Journal Indian Pediatrics.
- 11. Member Editorial Committee, Delhi Psychiatry Journal (An official publication of Delhi Psychiatric Society)
- 12. Member, Technical in the Committee setup by Government of Delhi to draft rules for Delhi Artificial Insemination (Human) Act.
- 13. Member International Editorial Board on, "International Journal of Medical Toxicology and Legal Medicine" published from AIIMS, N-Delhi, 2005-8.
- 14. Invited to join Board of Collaborative Reviewers of the, "Medico- Legal Year Book-2013" by Institute of Medicine & Law.
- 15. Appointed consultant to National Human Rights Commission to Opine on cases of Custodial deaths and Torture, 2012.
- 16. Selected Member of the Editorial Board of the, "International Journal of Medicine and Medical Sciences", 2013.
- 17. Nominated by Vice-Chancellor as Member, Board of Studies, School of Medical Sciences, SGT University, Budhera, Gurgaon, 2013.
- 18. Appointed, Member of Board of Studies, Aligarh Muslim University, Aligarh, U.P., 2014
- 19. Invited Lectures- 70

Kohli A

- 1. Member International editorial board of the Journal of Forensic Medicine & Toxicology.
- 2. Managing editor of the International Journal of Medical Toxicology and Legal Medicine.
- 3. Commissioned to prepare a brief titled 'Mapping murder- The geography of Indian firearm fatalities' by the Indian Armed Violence Assessment, a subordinate of Small Arms Survey, Geneva.
- 4. National Resource Faculty for 'Standard Operative Procedures for Medico legal work in India' compiled at AIIMS.
- 5. Resource Faculty on Nature of injuries for Workshops held at Dayanand Medical College & Hospital, Ludhiana.

Dr Arvind Kumar

- Training Programme for the Probationary Delhi Police Officers at GTB Hospital, Delhi from 18th 20th Jan 2011.
- 2. Delivered a lecture on "Use of DNA Fingerprinting in detection of crime "at CBI academy, Ghaziabad, UP on 23rd March 2015.
- **3.** Delivered a lecture on "Use of DNA Fingerprinting in detection of crime "at CBI academy, Ghaziabad, UP on 23rd March 2015.
- **4.** Participated in the Workshop on 'Basic Course Workshop in Medical Education Technology' at UCMS, Delhi from March 15 to 19 2011.

AGGARWAL N.K

- 1. Awarded WHO fellowship in hospital management
- 2. Awarded fellowship of Indian Association of Medical Legal Experts(IAMLE)
- 3. Awarded fellowship of Indian Congress of Forensic Medicine and Toxicology
- 4. Staff Advisor to UCMS Alumani
- Received awards on Doctor's Day celebration by Indian Medical Association EDB in 2016 & GTB Hospital in 2012.
- 6. Receive srole of Honour of IMA EDB in 2013.
- 7. Received award for excellence in medical services by IMA EDB in 2016.
- 8. Received "Chikitsa Bhushan" award by DMA in 2016.
- 9. Received Certificate of appreciation form GTB Hospital on doctor's day in 2012.
- 10. Received a Scroll of Honour for the year 2012-2013 for dedicated services to IMA EDB at its annual function.

S. K. VERMA

- Awarded WHO In Country Fellowship on Educational Technology and Training Methodology.
- 2. Editor, Indian Internet Journal of Forensic Medicine and Toxicology.
- 3. Awarded Fellowship of Indian Academy of Forensic Medicine.
- 4. Awarded Fellowship of Indian Congress of Forensic medicine and Toxicology.
- 5. Awarded Membership of National Academy of Medicine Sciences, (India).
- 6. Chosen Member of Editorial Advisory Board on, "The Open Law Journal" a Bentham Open Publication (an international publishing house).
- 7. Awarded and appointed Charter Fellow of the Advisory Directorate International by the American Biographical Institute.

Kohli A

1. 'Appreciation award' received on National Doctors day from the GTB Hospital, Delhi on 1.07.2011