Department of Forensic Medicine

I. Contact Information of the Department

<table>
<thead>
<tr>
<th>Department E-mail ID</th>
<th><a href="mailto:forensic@sdumc.ac.in">forensic@sdumc.ac.in</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ext. No. HoD</td>
<td>114</td>
</tr>
<tr>
<td>Ext. No. Office</td>
<td>103</td>
</tr>
<tr>
<td>Ext. No. Mortuary</td>
<td>163</td>
</tr>
<tr>
<td>Ext. No. Medical Emergency</td>
<td>-</td>
</tr>
</tbody>
</table>

II. INTRODUCTION

Forensic medicine or State medicine deals with legal aspects of medicine. Indeed studying forensic medicine in a scientific manner could be a lot like reading Agatha Christie, or James Hadley Chase, but in a more scientific manner! But way should a medical doctor worry about crime in the first place? What relation does his profession have with crime? There are a host of criminal cases and saturations where the problem can only be solved through an intelligent application of medical principles. In fact this is what forensic medicine is all about.

Forensic medicine department is a subject of high relevance, linking law and medicine. The department plays a crucial role in bringing to light, the facts of crime

Various divisions / sections under the dept.

Department of Forensic Medicine situated at ground floor of the College Building deals with medical aspects of law as well as legal aspects of medical practice. Mortuary, housed in a separate block of the hospital, comprises of adequate space with modern facilities for conducting postmortems.

Poison Detection Centre is started by the Department of Forensic Medicine. The goals of the poison information service are to:

1. Provide expert, 24-hour assistance to the community of Kolar during possible poisoning emergencies.
2. Reduce the costs associated with poisoning by treating less severe exposures at home with Center guidance.
3. Train healthcare professionals in the field of clinical toxicology.
4. Expand knowledge in the field of clinical toxicology through an active research program.
5. Prevent poisonings through toxico surveillance, education, regulation, and collaboration with local agencies.
Clinical Forensic Medicine unit is functioning in the casualty where guidance is given in Medico-Legal cases.

Forensic Anthropology which has got a high potential and significance in examination and identification of the unknown.

Toxicology Lab is started to Provide individualized, accurate, relevant and unbiased information to consumers and healthcare professionals regarding medication-related inquiries.

**When and What PG course / PhD / Fellowship were started in the dept.**

Post Graduate course M.D (Forensic Medicine & Toxicology) was started in the year 2014 with annual intake of 2 seats

**Various services offered by the dept.**

The department of Forensic Medicine and toxicology is engaged in teaching Forensic Medicine, Ethics and Toxicology to the II MBBS students. They are also actively involved in teaching the postgraduates of various departments like Pathology, Surgery, Medicine in the mortuary which is considered as goldmine of knowledge.

Poison Information Centre gives accurate information to Doctors, Health professionals and public at large regarding the prophylaxis, management and treatment of poisoning cases

**Instruments / Devices and Expertise worth mentioning**

Department of Forensic Medicine was started in the year 1986. It was started by Dr B. C. Chandregowda who was the first Head of the department. He was instrumental in building the department. The museum was developed by him, is one of the best in the country. There is a vast collection of photographs, weapons, specimens etc., the museum is named after him as Dr B. C. Chandregowda museum.

**View of the museum**

![View of the museum](image)
III. Vision & Mission Statement & Objectives of the Dept.

Vision of the Department

To be recognized for excellence in medico-legal education and to deliver next generation forensic medicine services to the society.

Mission of the Department

To equip medical students with legal aspects of medicine and application of the same during their practice.

Provide world class training to the Under-graduate, Post graduate students & Registered Medical Practitioners on Medico-legal issues and Medical Jurisprudence with emphasis on examination of a Medico-legal case; collection, preservation & dispatch of evidence and Medico-legal documentation.
Department of Forensic Medicine

To provide comprehensive Forensic Medicine services to the people
To generate world-class research in the subject with beneficial practical outcomes

Objectives of the Department

1. Shouldering the responsibility of providing quality medico-legal care to the society, without infringing the virtuous medical ethics and medical code of conduct.

2. Acquire knowledge of law in relation to medical practice.

3. Make observations and infer conclusions by logical deduction.

4. To work hand-in-hand with the court system and other health agencies towards the overall goal of reducing social violence and other preventable injury, and to monitor the prevalence of conditions that threaten the safety and health of all our communities.

5. Facilitate the law enforcement agencies and the judiciary in criminal investigation and implementation of Justice.

6. To provide medico legal consultation round the clock to all public safety and public health request.

IV. Updated List of HoD’s

<table>
<thead>
<tr>
<th>Sn</th>
<th>Name</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr B.C.Chandre Gowda</td>
<td>03-12-1990</td>
<td>31-12-1999</td>
</tr>
<tr>
<td>2</td>
<td>Dr T.S.Shivashankar</td>
<td>01-01-2000</td>
<td>01-04-2001</td>
</tr>
<tr>
<td>3</td>
<td>Dr D.B. Kulkarni</td>
<td>02-04-2001</td>
<td>07-05-2005</td>
</tr>
<tr>
<td>4</td>
<td>Dr J. Kiran</td>
<td>09-05-2005</td>
<td>Till date</td>
</tr>
</tbody>
</table>

V. Updated Faculty List as on the day of Submission

(Prof/ Assoc Prof/ Asst Prof/ Lect/ Sr. Resident/ Tutor/ PG cum Tutor/ Jr. Res)

<table>
<thead>
<tr>
<th>Sn</th>
<th>Name</th>
<th>Qualifications</th>
<th>Designation</th>
<th>Contact Address (of Kolar Only) Mobile/Ext Nos./ E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr J.Kiran</td>
<td>MBBS, MD</td>
<td>Professor &amp; HOD</td>
<td>Flat No.1, 1-Block Ground Floor, SDUMC, Tamaka, Kolar. Mob:9880277002</td>
</tr>
<tr>
<td>2</td>
<td>Dr.Umesh Babu.R</td>
<td>MBBS, MD</td>
<td>Professor</td>
<td>Flat No.4, K-Block Second Floor, Doctor’s Quarters SDUMC, Tamaka, Kolar Mob:9986116341</td>
</tr>
</tbody>
</table>
## Department of Forensic Medicine

<table>
<thead>
<tr>
<th>Sn</th>
<th>Faculty Name</th>
<th>Qualification</th>
<th>Position</th>
<th>Address and Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Dr. Ajay Kumar T.S</td>
<td>MBBS, MD</td>
<td>Asst. Professor</td>
<td>Flat No.G-3, K-Block Ground Floor, SDUMC Staff, Tamaka, Kolar Mob: 9379012233</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Murali Mohan M.C</td>
<td>MBBS, MD</td>
<td>Asst. Professor</td>
<td>Door No.4641/14, Anjani Extension (West), Chintamani. Mob: 8147337436</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Sindhuri</td>
<td>MBBS</td>
<td>Tutor</td>
<td>F6, K-Block Staff Quarters, SDUMC Campus, Tamaka Kolar. Mob: 9902544494</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Usha Rani C</td>
<td>MBBS</td>
<td>Tutor</td>
<td>Flat-5, K-Block First Floor, New Doctors Quarters, SDUMC, Tamaka, Kolar. Mob: 9902136464</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Rajkumar</td>
<td>MBBS</td>
<td>PG cum Tutor</td>
<td>S/O M N Gangadahariah, Chikkamaramma Temple Street, Malur Mob: 8892712458</td>
</tr>
</tbody>
</table>

### VI. PROFILE OF FACULTY (Professors, Assoc. Prof, Asst. Prof)

<table>
<thead>
<tr>
<th>Sn</th>
<th>Faculty Name</th>
<th>Experience -No. of yrs of Teaching Experience</th>
<th>Areas of Interest in Teaching &amp; Research</th>
<th>Additional Charge held</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. J. Kiran</td>
<td>20 Years 8 months</td>
<td>Clinical Forensic Medicine</td>
<td>Member – BOS, Academic Council, Staff Grievance redressal cell, disaster management committee.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Umesh Babu R</td>
<td>8 Years 2 Months</td>
<td>Toxicology, Forensic Anthropology</td>
<td>Member – In charge - MRD, In charge - PDC.</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Ajay Kumar T.S</td>
<td>3 Years 1 month</td>
<td>Forensic Anthropology</td>
<td>Member – BOS, Faculty of Medicine, Deputy warden – Men’s hostel.</td>
</tr>
</tbody>
</table>
## Department of Forensic Medicine

<table>
<thead>
<tr>
<th>Sn</th>
<th>Research paper title</th>
<th>Authors Names</th>
<th>Journal Details (In Vancouver Style Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Morphometric analysis of tricuspid valve: An Indian perspective</td>
<td>Dr Kalyani R, Dr Tej M J, Dr Prabhakar K, Dr Venkatesh T K, Dr Thomas A K, Dr Kiran J.</td>
<td>Journal of Natural Science, Biology and Medicine, vol 3, issue 2, 2012: 147 – 151.</td>
</tr>
<tr>
<td>4</td>
<td>An autopsy and histopathological diagnosis of 28 cases of traumatic brain stem haemorrhages</td>
<td>Dr Vijay Kumar A G, Dr Ajay Kumar T S</td>
<td>Iranian J of Toxicology 2012,5(15) : 551-53</td>
</tr>
<tr>
<td>5</td>
<td>Is Serum Sialic Acid a marker of Alcohol Abuse?</td>
<td>Dr Umesh Babu R, Dr Prashanth Kumar B G.</td>
<td>Journal Of Indian Society of Toxicology, vol. 006, Issue 02, 2010 : 30-33</td>
</tr>
<tr>
<td>6</td>
<td>‘A Study on personal Identification by Lip print patterns in south Indian Population’</td>
<td>Umesh Babu R, Gurudatta S Pawar, Annie Verghese</td>
<td>Indian Journal Of Forensic Medicine And Toxicology, Jan-June 2011, Vol %, No 1, 82-84</td>
</tr>
</tbody>
</table>
### Age estimation by Eruption and Apical foramina closure of Second premolar Teeth
Sunil Kumar Sbiradar, Umesh babu R, Gajanan H. Nayak, Smitha M.,
Medicolegal update, 2012, Vol.12, No.1,120-122

### Psychological autopsy
Dayananda R, Umesh Babu R
Indian Journal of Forensic Medicine and Toxicology, Jan-June 2014, Vol 8, No.1, 146-149.

### Estimation of stature from dimensions of foot
Dayananda R, Umesh babu R, Kiran J
International journal of medical Toxicology and Forensic Medicine, 2014; 4(1); 1-5

### A study of lip print patterns among people of Kerala
Dr.Annie Verghese, Dr M somashekhar, Dr Umesh babu R,

### Discrepant autopsy diagnosis of death due to Cerebral malaria
Biradar Sunilkumar S, Gayathri B N, Umesh Babu R

### Death due to multiple wasp stings.
Dr Murali Mohan M C, Dr Pradeep Kumar M P, Dr Devadass P K.

### VIII. Ongoing Research Projects by the Faculty

<table>
<thead>
<tr>
<th>Sn</th>
<th>Investigators Names (Principal Investigators Name First)</th>
<th>Project Title</th>
<th>Funded / Non-funded If funded, by which Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Umesh Babu R, Dr.Dayananda R, Dr.Kiran J. Dr. Ajay Kumar T S.</td>
<td>Sex determination from fragmentary remains of proximal and distal end of femur</td>
<td>Non-Funded</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Umesh Babu R, Dr Suresh T.N. and Dr. Gayathri B N.</td>
<td>Prevalence of occult thyroid pathology at autopsy</td>
<td>Non-Funded</td>
</tr>
<tr>
<td>3</td>
<td>Dr Dayananda R, Dr Sangeeta, Dr Kiran J.</td>
<td>Sexual dimorphism in sacrum</td>
<td>Non-Funded</td>
</tr>
<tr>
<td>4</td>
<td>Dr Dayananda R, Dr Umesh Babu R and DrKiran J.</td>
<td>Estimation of stature from dimensions of foot.</td>
<td>Non-Funded</td>
</tr>
<tr>
<td>5</td>
<td>Dr.Ajay Kumar T S, Dr. Kiran J, Dr. Umesh Babu R. Dr. Dayananda R.</td>
<td>Sex determination by morphometric analysis of thyroid cartilage</td>
<td>Non-Funded</td>
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### Department of Forensic Medicine

<table>
<thead>
<tr>
<th>Sn</th>
<th>Dissertation title</th>
<th>Post Graduate Name</th>
<th>Guide Name &amp; Designation</th>
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<tbody>
<tr>
<td>6</td>
<td>Dr. Kiran J, Dr. Umesh Babu R, Dr. Dayananda R, Dr. Ajay Kumar T S.</td>
<td>Efficacy of lip prints in establishing the race of an individual.</td>
<td>Non-Funded</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Kiran J, Dr. Ajay Kumar T S, Dr. Umesh Babu R, Dr. Murali Mohan M.C.</td>
<td>Estimation of time since death from Cardiac blood pH</td>
<td>Non-Funded</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Ajay Kumar T S and Dr. Deepa C.</td>
<td>Sexual dimorphism of permanent molars among south Indian population</td>
<td>Non-Funded</td>
</tr>
</tbody>
</table>

### IX. Ongoing PG (MD / MS) Dissertation Projects in the Department

<table>
<thead>
<tr>
<th>Sn</th>
<th>Dissertation title</th>
<th>Post Graduate Name</th>
<th>Guide Name &amp; Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FUSION OF SKULL VAULT SUTURES IN RELATION TO AGE – A CROSS SECTIONAL POSTMORTEM STUDY DONE IN 3RD, 4TH &amp; 5TH DECADES OF LIFE AT R.L.JALAPPA HOSPITAL AND RESEARCH CENTRE, KOLAR, KARNATAKA</td>
<td>Dr Raj Kumar M.G</td>
<td>Dr Kiran. J Professor and HOD</td>
</tr>
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</table>

### X. CME / Workshop / Conferences Conducted by the Dept. in the year 2012 – 2014

<table>
<thead>
<tr>
<th>Sn</th>
<th>Title of CME / Workshop / Conference</th>
<th>Date &amp; Year Conducted</th>
<th>Whether National / State / Regional / Institutional level meet</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CME on the topic - &quot;The utility of Poison Control Centre in the management of poison cases&quot;</td>
<td>5th June, 2012.</td>
<td>State</td>
</tr>
<tr>
<td>2</td>
<td>A CME was conducted on “TOXICOLOGY- act fast before poison acts” in association with Dept. of Emergency Medicine.</td>
<td>22nd Feb, 2014</td>
<td>Regional</td>
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