



## Institution's Innovation Council Saurashtra University Rajkot

### **“Visit to Forensic Science Laboratory”**

1<sup>st</sup> July, 2024

At  
Forensic Science Laboratory, University Road,  
Rajkot

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## Saurashtra University – IIC

The university is dedicated to instruction, research, and extending knowledge to the public (public service). Ministry of Education (MoE), Govt. of India has established 'MoE's Innovation Cell (MIC)' to systematically foster the culture of Innovation among all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years. Saurashtra University is one the Organization that have constituted the IIC to foster the vision of MoE and be a part for the promotion and development of innovation ecosystem.

### Event Schedule

11:00	• Entry
11:10	• Introduction of Forensic Science Laboratory
11:20	• Tour of every Department
12:45	• FAQs related Forensic Science Laboratory

### Event Registration Link

[bit.ly/SUSEC-FSL](https://bit.ly/SUSEC-FSL)

## Brief about Event

The Departments of Biochemistry, Chemistry and Pharmaceutical Sciences in collaboration with IIC Saurashtra University and SUSEC, were arranged an educational visit scheduled on 1<sup>st</sup> July, 2024.

The objective of the visit was to sensitize the students about important aspects of integration between different divisions of the Forensic Science Laboratory. Students were visited to the following divisions and a brief knowledge regarding each division was provided to them. In the Documentation Division, students learned about forgery cases involving documents such as VISAs, cheques, property papers, MOUs, wills, passports, suicide notes, and currency notes. The Fingerprint Division focused on the acquisition and analysis of fingerprints from crime suspects, showcasing various records and explaining the analysis procedure, including information on national fingerprint software.

The Physics Division introduced students to the medico-legal analysis of the tensile strength of ligature materials used in hangings, demonstrating equipment that measures the material's weight-bearing limits, which aids judicial processes. In the Toxicology & Prohibition Division, students were shown various poisons and harmful chemicals, along with demonstrations of Gas Chromatography, Mass Spectroscopy (GC-MS), and analytical toxicology equipment. The procedure for detecting alcohol in blood samples was also explained. The Biology & Serology Division conducted after that Finally, the Chemistry Division, highlighted as one of the most important divisions, deals with all kinds of chemicals and substances.

Students had opportunities to interact with forensic scientists, asking questions and gaining insights into the integration between forensic medicine, forensic science, and analytical toxicology. Overall, the visit provided a comprehensive understanding of the critical roles played by each division in forensic investigations.

## Key Points

During the session, below mentioned points were discussed:

- Visited Documentation Division
- Explored Fingerprint Division
- Looked up Physics Division & Chemistry Division
- Went to see Toxicology & Prohibition Division
- Survey of Biology & Serology Division
- FAQs related to FSL?

## Outcome

Through this visit to the Forensic Science Laboratory successfully sensitized students to the critical integration of its various divisions. Students gained practical knowledge on document forgery analysis in the Documentation Division, and fingerprint acquisition and analysis in the Fingerprint Division, including national fingerprint software. The Physics Division provided insights into the medico-legal analysis of ligature materials used in hangings, while the Toxicology & Prohibition Division demonstrated the identification of poisons and chemicals, and the detection of alcohol in blood samples using advanced equipment like Gas Chromatography and Mass Spectroscopy. The Chemistry Division

highlighted its vital role in handling various chemicals and substances. Interaction with forensic scientists allowed students to ask questions and gain deeper insights into the integration between forensic medicine, forensic science, and analytical toxicology.

**Visit to**  
**FORENSIC SCIENCE LABORATORY**

The Departments of Biochemistry, Chemistry and Pharmaceutical Sciences in collaboration with IIC Saurashtra University and SUSEC, are arranging an educational visit scheduled on 1st July, 2024

**REGISTER NOW**  
bit.ly/SUSEC-FSL

1st July, 2024 Monday

11:00am to 01:00pm

Forensic Science Laboratory  
University Road, Rajkot





## Connect Us:



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[iic@sauuni.ac.in](mailto:iic@sauuni.ac.in)



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