

Course Code	Course Title	C	H	I	E	T
17U6ZSM4	Forensic Science	2	2	25	75	100

### Objectives

- ❖ To learn the basics and applications of Forensic science
- ❖ To study about the investigation techniques.

### Learning Outcome

1. Acquire knowledge on investigation techniques of forensic science.
2. Explore the information about the role of microbes and insects in crime investigation.

### Unit - I

Definition, principles and laws of Forensic Science. Need and background of forensic science in India. Forensic science laboratories: types and divisions.

### Unit – II

Crime: Definition, types, causes and prevention. Introduction of Cyber crime and criminal behavior. Crime Scene-introduction, significance and role.

### Unit – III

Investigation techniques: Documents-importance, nature and preliminary examination. Ballistics-definition, types. Fingerprints examination-principle, types and characteristics.

### Unit – IV

DNA profiling-principle and application. Brain Fingerprinting-Introduction and application. Narco Analysis- principle.

### Unit – V

Bacteria and other animals: types and tools for investigation of forensic science. Insects in forensic science-Introduction, types and application.

### Text Books

1. Singh, N. 2015, Forensic Science: Principles & Concepts, Ancient Publishing House.
2. Siegel, J. 2016, Forensic Science: A Beginner's Guide, Oneworld Publications.

### References Books

1. Nabar, B. S. 2015, Forensic Science in Crime Investigation, Asia Law House, Hyderabad.
2. Narayan Reddy, K.S. 2015, The Essentials of Forensic Medicine And Toxicology, Jaypee Brothers Medical Publishers.