

2.3.1 Participative learning related activities

1. Hands on training on ‘Drugs, Hair and paint analysis with the help of Portable Raman Spectrometer’ on 18th January 2018.

The hands-on training for forensic analysis of drugs, hairs and paint samples was organized for T.Y.B.Sc. students on 18th January 2018 in Physics laboratory of the Institute. Ms. Sindhu Raman and Ms. Shilpa from Sinsil International Pvt. Ltd. had brought portable Raman spectrometer and demonstrated its principle, working and applications in the field of Forensic Science. Students were provided with hands-on training on the portable Raman spectrometer. Around 20 students and 7 faculty members participated in the event.



2. Role Play on “Nirbhaya” by First year BSc students on 30th October 2018

A role play on the prominent case in the history of crime in India “Nirbhaya” was conducted under the Department of Forensic Science by first year students of BSc under the leadership of Ms. Deepika Bhandari on 30th October 2018. The play was enacted in Room No.2 and was attended by faculties and students from other classes.

“Nirbhaya” is one of the most landmark cases in the history of the country when it came to justice delivery which brought the country together. A first of its kind; the students were briefed about the case in detail by their guide Ms. Deepika Bhandari. The students thereafter worked on it for many days gathering various information about the case. Dr. Keval Ukey helped the students with the legal aspects. The entire class participated in the role play. It started from the pre event scenario, the event and post event scenario. Each and every aspect of the case with regards to forensic science, forensic medicine to law was considered in the role play.

Various evidences that were collected and examined in the case were presented in the case like the blood samples, DNA report, fingerprint, etc. The reports of forensic medicine were produced. Also, the role of the police in catching hold of the perpetrators and investigation was well enacted. The end of the play covered the trial in the court. The prosecutor and defence lawyer role was enacted with great emphasis on the significance of various forensic evidence and their admissibility in the court. The act was continuously supported by a student who was giving live updates of the case throughout.

The role play played a major role in building the confidence of the students and bringing them together to work in teams. It also bolstered their interest in the subject. The students got accustomed to the multidisciplinary approach that is required to solve a case as they worked from forensic science, forensic medicine (doctors), legal to police investigation. The role play successfully ended with the National Anthem.



3. Report on Intercollegiate Psychology Exhibition on 25th January 2019

The department of Forensic Psychology arranged an intercollegiate Psychology exhibition on 25th January 2019. The exhibition was also open to students and faculties from the institute of science, Elphinstone College, Mumbai.

The exhibition was put up by the students of of FYBSc class batch 2018-19. Students were divided into a group of 5 each for a class of 48, total being 9 groups. The exhibition was inaugurated by the director of institute Dr. Pratima Jadhav madam. She visited every group n motivated students to further aspire for excellence. The topics ranged from depression- its symptoms, types, treatment, stages of sleep, gestalt principles, sensation and perception, neurotransmitters-types and functions, consciousness, sleep disorders, motivation-types and approaches, intelligence, problem solving, memory and forgetting curve, neurons and their mechanisms.

Students prepared charts, working modules, conceptual games for visitors. Visitors from KC-college, Institute of Science, Elphinstone College as well as few international visitors also attended the exhibition.

The response to the exhibition was overwhelming.



4. Hands-on training on X-RAY diffraction technique on 8th March 2022.

Hands-on training on X-ray Diffraction technique was arranged on 8th March 2022 for M.Sc. II (Questioned Documents, Fingerprints and Forensic Physics) students at the Institute of Science, Mumbai. The soil samples were analysed and compared on the basis of XRD data. Dr. Anamika Kadam, Associate Professor explained the principle and working of XRD and Ms. Ayesha Khan, Ph.D. scholar conducted hands-on training. Five students have participated in this training.

