NATIONAL FORENSIC SCIENCES UNIVERSITY

TRAINING SCHEME

1	Title of the Training Programme	:	CCTV Forensics
2	Target Group	:	30 Police personnel of the Tanzanian Government
3	Duration of the Programme	:	12/06/2023 to 23/06/2023
4	Objectives of the Programme	:	1. To study the types of CCTV cameras, their basic structure and architecture 2. To understand the effectiveness of CCTV in crime detection and prevention 3. To comprehend the impact of CCTV as potential evidence in criminal offenses 4. To study the standard protocols and right practices for collection, handling, preservation, and analysis of CCTV footages 5. To list out the measures to be adopted to increase the efficacy of CCTV evidence
5	Venue	:	NFSU Gandhinagar Campus
6	Course Contents	:	As per enclosed statement

Contents of the Programme on "CCTV Forensics"

S. No.	Contents
1	An Introduction to the Video surveillance system
2	Types of CCTV cameras, their applications and technical specifications
3	Understanding Components of CCTV and its framework
4	Role of CCTV in effective Policing
5	Image sensors, their types, and working
6	Communication, Networking, and storage aspects in CCTV installations
7	Video management system, its components, and architecture
8	Collection, Handling, and Preservation of CCTV evidence
9	CCTV video processing and compression techniques
10	Forensic examination and analysis of CCTV footage: Authentication, enhancement, gait pattern analysis, Photogrammetrically analysis, behavioral pattern analysis
11	CCTV footage Restoration/data recovery from damaged Devices
12	Importance of CCTV footage auditing
13	Introduction to video analytics and its role in effective surveillance
14	Facial Recognition from CCTV footage with related case studies
15	AI-based CCTV monitoring and surveillance
16	Introduction to Super Human Recognizers
17	Report Writing for cases involving CCTV evidence
18	Legal Admissibility and Evidentiary Value of CCTV evidence

19	Recommendations and best practices for strengthening CCTV architecture for securing our homeland
20	Visit to various CoEs of NFSU
21	Hands-on training on the technologies used for authentication of CCTV/video footage
22	Hands-on training on the technologies used for enhancement of the CCTV footage
23	Hands-on training on various components of CCTV camera, DVR Examination
24	Hands-on training on the Latest technologies used for the recovery of data from damaged devices
25	Gait pattern analysis and Photogrammetrically analysis from CCTV footage
26	Facial comparison from CCTV evidence
27.	Micro-expression analysis/Behavioral pattern analysis from CCTV footage