SYLLABUS

UNDER GRADUATE DIPLOMA IN DIGITAL FORENSICS

ENLIGHTENMENT TO PERFECTION
2018-19

University of North

Bengal

OUTLINE OF COURSE STRUCTURE
Under Graduate Diploma in Digital Forensic
(Session: 2024-25)

Course Code	Name of the module	Marks	Credit	Hours/Week
Course (Theoretical)				
DFD-101	Introductions of Digital Forensics	40	2	4
DFD-102	Computer Systems and Networks	40	2	4
DFD-103	Forensic Tools and Technologies	40	2	4
Course (Practical)				
DFD-104	OSINT	40	2	5
DFD-105	Computer Forensic Lab	40	2	5
DFD-106	Forensics Tools Lab	40	2	5
Continuing Evaluation				
DFD-107	Exam	15	2	2
DFD-108	Project	45	2	1
Total Marks & Credits in the Semester I		**300**	**16**	**30**

Detailed Syllabus

Course Code	Name of the module	Marks
DFD-101	**Introduction of Digital Forensics**	**40**
Unit 1	✔ Fundaments of Computer System ✔ C Programming ✔ Definition and scope of digital forensics ✔ Types of digital evidence	
DFD-102	**Computer Systems and Networks**	**40**
Unit 1	✔ OSI MODEL ✔ TCP-IP ✔ UDP	

	✔ MAC	
	✔ IP	
DFD-103	**Forensic Tools and Technologies**	**40**
Unit 1	✔ Introduction to Cloud forensics and Blockchain Forensics	
DFD-104	**OSINT**	**40**
Unit 1	✔ Social Engineering, Social Media Intelligence ✔ Dark-web Monitoring ✔ Digital Footprint Analysis	
DFD-105	**Computer Forensic Lab**	**40**
Unit 1	✔ Hardware and Software Tools ✔ Network Forensic ✔ Mobile Device Forensic ✔ Disk Forensic And Data Recovery	
DBI-106	**Forensics Tools Lab**	**40**
Unit 1	✔ Autopsy ✔ Sleuth Kit ✔ Wireshark ✔ FTK[Forensic Toolkit] ✔ OS Forensic ✔ Metasploit	