

POST GRADUATE DIPLOMA COURSES

PG DIPLOMA IN CYBER SECURITY

With the rapid adoption of digital technologies for every aspect of our life, more and more sensitive information is now getting exposed to the internet. As a result, data security has taken the Centre stage and has become the most important area. This has given rise to tremendous demand for qualified data security professionals from business, government, healthcare, educational and various other industries. However, at present, the supply is far below the demand and needs immediate focus. Department has introduced a PG Diploma course in Cyber Security in the academic year 2020. This is expected to help the cause of improving the supply.

Duration – One year (Compulsory Internship at Industry in Second Semester)

Eligibility – Graduate from any discipline

Industry Collaboration – HKIT Security Solutions

Mode – Blended (Classes will be conducted online and End Semester Examination will be conducted offline)

Class Timing – Evening (after 6pm) during week days and weekends (Saturday and Sunday)

Course Fee – Rs.75,000(Rupees Seventy Five Thousand)

Outcome – Students will be industry-ready with the following knowledge:

- a. Knowledge on Cyber security concepts and tools
- b. Engineering aspects of securing data
- c. Skills for application of Cyber security in functional areas
- d. Knowledge of ethical hacking concepts

Syllabus

SUMMARY OF CREDITS

Total hrs in the semester	Credit	Number of hrs per week	Title	Code number
Semester -I				
45	3	3	Introduction to Ethical Hacking	PGDCS 1120
45	3	3	Scanning, Enumeration and	PGDCS 1220

			Penetration Techniques	
45	3	3	Report Writing and Mitigation	PGDCS 1320
45	3	3	Governance Risk and Compliance	PGDCS 1420
PRACTICALS				
30	1	2	Cyber Security Lab	PGDCS1P1
60	2	4	Mini Project	PGDCS1P2
Semester –II				
800	25	50	Internship based project	PGDCS2P1