Interdisciplinary PG Diploma on Cybersecurity

In furtherance of a worldwide cyber resilient ecosystem

Jointly hosted by
Ranchi University, IETE & CyberPeace

The Internet has become that quintessential element of modern lives which cannot be done away with no matter what. Issues are no longer just security or privacy as such; lifestyles and habits have come into play and the number of disciplines involved in the research and development in this sector are many. A courseware on international cyber peace is a prospect that needs to be closely looked at, analysed and developed in order to be proactively ready to tackle a big challenge that is almost purporting in our lives each day.

There is chaos online and there is each and every type of activity happening that can infringe upon someone's rights and something as basic as the right to life. A recent incident in Hawaii in which incident alert systems of the city were activated due to some glitch showed the entire world what technology is capable of doing. Now, the international bodies and actors are not very active on the subject as such but in the true sense, International cyber peace has to take a holistic approach of being applicable and implemented across boards.

It is therefore proposed that this interdisciplinary courseware be developed for students and professionals coming from a wide array of educational backgrounds to take up the study and research on this subject. It will essentially involve crucial subjects like technology and law but will also cover others like psychology, economics, international conflicts, warfare etc. This particular courseware will also be built along the same lines as a subject to be taught to students and professionals.

Eligibility: Graduate in any stream including BBA, BCA, MCA, B.Sc (IT), B.Tech or any other equivalent degree as recognized by UGC.

Duration: 1 Year (Two Semesters)

Course Fee (Per Semester : General/OBC - Rs. 25,000/- & SC/ST - Rs. 20,000/-

Highlights of program: Cybersecurity, a part of information Security is a separate field of IT where you will be taught the basics of the Internet, its pros and cons, its usage, different Attacks that happen, its mitigation etc.

Career prospects:

- Security Analyst
- Security Professional
- DevOps Professional
- Secure Software Developer
- Blue Teamer
- Red Teamer
- Penetration tester
- Threat and Malware Analyst
- Risk Analyst
- Security Architect

Why should you Choose this course?

Ranchi University, IETE and CyberPeace have joined hands for Infusing CyberPeace in Cyberspace, The first step towards this goal is the launch of Center of Excellence and Interdisciplinary PG Diploma on Cybersecurity with an aim to help strengthen the global CyberPeace Ecosystem through research and innovation focused educational framework in sync with the Academia CyberPeace Ecosystem initiative by the CyberPeace.

The initiative will help bridge the gap between the academia and the industry by the uplifted PG Diploma curriculum catering to the up- to- date and advanced skill- set in the areas of Cybersecurity, CyberPeace, Cyber defence, Cyber policy & standards, infrastructure security and IOT security etc.

Semester wise courses

Semester 1 (PGDCS)		
Theory		
Course Code	**Course Title T-P-L-I**	**Credits**
	Fundamentals of Computer Security 101 T	02
	Communications & Networking 102 T	05
	Cyber Security 103 T	05

Project/Laboratory/Internship		
	Practical/Lab Exercise/CyberPeace range L	05
	CyberPeace Volunteering / Mini Project P	03
Total Semester Credits		**20**

Semester 2 (PGDCS)		
Theory		
Course Code	**Course Title T-P-L-I** Cyber Security - Ethical/White Hat Hacking T	**Credits** 05

	Cybersecurity - Open Source Intelligence (OSINT) T	05
Project/Laboratory/Internship		
	Practical/Lab Exercise L	05
	Capstone Project P	03
	Social Internship I	02
Total Semester Credits		**20**
Total Programme Credits		**40**