Teacher: Ms. Chandrani Sengupta
Subject: DIEM
Course: SEC – 2
Full Marks: 100
Course Title: Digital Empowerment

Course Description:

This course aims to develop students' skills and understanding of digital technologies, focusing on their effective and responsible use in various aspects of life. Students will learn essential digital literacy skills, online communication, digital security, ethical considerations and some of the disruptive technologies of the digital world.

Course Objectives:

The Learning Objectives of this course are as follows:
- Understand the fundamentals of digital technologies and their impact on society.
- Enhance online communication and collaboration skills.
- Promote digital citizenship and responsible online behavior.
- Gain awareness of digital security risks and implement best practices.
- Explore ethical considerations in the use of digital technologies.

Learning outcomes

The Learning Outcomes of this course are as follows:
- Use ICT and digital services in daily life.
- Develop skills to communicate and collaborate in cyberspace using social platforms, teaching/learning tools.
- Understand the significance of security and privacy in the digital world.
- Evaluate ethical issues in the cyber world

Syllabus:

Unit-I
Digital Literacy and Digital Empowerment (6 Hours)

- Definition of Digital Literacy
- Current Trends of Digital Technology
- Evaluating the credibility of online information
- Copyright and plagiarism awareness
- Imp application of our country DigiLocker, E-Hospitals, e-Pathshala, SHIM, e-Kranti (Electronic Delivery of Services}, e-Health Campaigns

Unit-II
Online Communication and Collaboration (6 Hours)

- Electronic Communication: electronic mail, blogs, social media
- Collaborative Digital platforms
- Tools/platforms for online learning
- Collaboration using file sharing, messaging, video conferencing

Unit-III
Digital Security (6 Hours)

- Online security and privacy
- Threats in the digital world: Data breach and Cyber Attacks
- Blockchain Technology
- Security Initiatives by the Govt. of India

Unit-IV
Digital Citizenship and Ethics (6 Hours)

- Responsible online behavior and digital etiquette
- Understanding online communities and their norm
- Ethical considerations in digital technology usage

Unit -V
Emerging Technology (6 Hours)

- Exploring emerging technology and its impact
- AI and Machine Learning
- IOT and Connected Devices