UNIVERSITY OF CALCUTTA

Notification No.CSR/36/2023

It is notified for information of all concerned that in terms of the provisions of Section 54 of the Calcutta University Act, 1979, (as amended), and, in exercise of her powers under 9(6) of the said Act, the Vice-Chancellor has, by an order dated 01.09.2023 approved the syllabi of the under mentioned optional SEC paper offered by the University to be studied in semester-2 of Four-year U.G. Courses of Studies (Honours & Honours with Research) courses of Studies under CCF, 2022 under this University, as laid down in the accompanying pamphlet.

1. **Artificial Intelligence (A1) (for Science discipline)**

2. **Digital Empowerment (for Humanities and Language discipline & B.Mus.)**

   The U.G. Board of Studies shall have the option to offer the above in place of the concerned subject based SEC paper at the 2nd semester.

   The above shall take effect from the academic session 2023-2024.

SENATE HOUSE

Kolkata-700073

The 8th September, 2023

Prof.(Dr.) Debasis Das

Registrar

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.

Learning 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, biogs, social media
- CollaborativeDigital platforms
- Tools/platforms for online learning
- Collaborationusingfilesharing,messaging,video conferencing

UNIT- III Digital Security   **(6 Hours)**

- Onlinesecurityand privacy
- Threatsinthedigitalworld:DatabreachandCyber Attacks
- Blockchain Technology
- SecurityInitiativesbytheGovtof 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 it's impact
- AI and Machine Learning
- IOT and Connected Devices

Books

- Understanding Digital Literacies: A Practical Introduction , by Rodney H. Jones (Author), Christoph A. Hafner (Author)
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