

S.S. JAIN SUBODH P.G. COLLEGE, JAIPUR

VALUE-ADDED COURSE

COURSE TITLE: Digital Enhancement

NODAL DEPARTMENT: Computer Science

COURSE OBJECTIVES

To understand Digital enhancement automate tasks, leading to increased operational efficiency.

To understand and learning about digital tools and technologies, and optimizing workflows.

To understand Safe and Secure Cyberspace.

To understand digital tools, automation, and enhanced communication and collaboration platforms.

Syllabus Outlines:

Digital Inclusion and Empowerment

Communication and Collaboration in the Cyberspace

Towards Safe and Secure Cyberspace

Ethical Issues in Digital World

COURSE CONTENTS:

Digital Inclusion and Digital Empowerment- Needs and challenges, Vision of Digital India, Digi Locker, e-Hospitals, e-Pathshala, BHIM, SWAYAM Portal, e-Kranti (Electronic Delivery of Services, e-Health Campaigns, Digital Signature, Public utility portals of Government of India such as: RTI, Health, Finance, Education, SSO-ID

Communication and Collaboration in the Cyberspace-Electronic Communication:, Electronic mail, Blogs, Social media tools, Collaborative digital platforms, Tools/platforms for online learning, Collaboration using file sharing, messaging, video conferencing

Digital Safety Measurement Tools-Online security and privacy, Threats in the digital world, various forms of viruses, Data breach, Cyber-attacks, Block chain Technology, Security initiatives by the Government of India

Ethical Issues in Digital World-Emerging Technologies: Overview of Cloud Computing, Big Data, Internet of Things (IoT), Virtual Reality, Robotics, Artificial Intelligence, 3-D Printing Future of digital technologies.

SUGGESTED READINGS:

Suggested Books / References

Essential Readings / Online Resources

Roder Jones and Christopher Hafner, Understanding Digital Literacies: A Practical Introduction, Routledge Books, 2nd Edition, 2021.

M. Swan, Blockchain: Blueprint for a New Economy, O'Reilly Media, 2015.

K. Chandrasekharan, Essential of Cloud Computing, CRC Press, 2014.

P. Kumar et al., Emerging Technologies in Computing: Theory, Practice and Advances, CRC Press, Routledge, Taylor & Francis Group, 1st Edition, 2021.

<https://www.digitalindia.gov.in>

<https://www.digilocker.gov.in>

<https://www.cybercrime.gov.in>

<https://www.cybersafeindia.in>

<https://www.meity.gov.in/cyber-surakshit-bharat-programme>

COURSE OUTCOMES:

Digital enhancement programs will provide streamlined processes and automate tasks, leading to increased operational efficiency. By understanding and learning about digital tools and technologies, and optimizing workflows, human error will be reduced.

To empower individuals to work more productively. With access to digital tools, automation, and enhanced communication and collaboration platforms, employees can streamline their work.