



B.Sc.(I.T.) (Honours) & B.Sc.(I.T.) (Honours with Research)
(Semester - 3 and Semester - 4)
Saurashtra University
To be effective from June – 2024

CS – 28 Digital Empowerment		
Objectives: <ul style="list-style-type: none"> • Understand the digital world and need for digital empowerment • Create awareness about Digital India • Explore, communicate and collaborate in cyberspace • Building awareness on cyber safety and security Prerequisites: <ul style="list-style-type: none"> • Basic computer literacy and familiarity with Operating System.. 		
Unit No.	Topic	Detail
1	Digital Inclusion and Digital Empowerment	<ul style="list-style-type: none"> • Needs and Challenges • Vision of Digital India: <ul style="list-style-type: none"> ○ DigiLocker ○ E-Hospitals ○ E-Pathshala ○ SHIM ○ E-Kranti (Electronic Delivery of Services) ○ e-Health Campaigns • Public utility portals of Govt. of India such as RTI, Health, Finance, Income Tax filing, Education
2	Communication and Collaboration in the Cyberspace	<ul style="list-style-type: none"> • Electronic Communication: electronic mail, blogs, social media • Collaborative Digital platforms • Tools / Platforms for online learning • Collaboration using file sharing, messaging, video conferencing
3	Towards Safe and Secure Cyberspace	<ul style="list-style-type: none"> • Online security and privacy • Threats in the digital world: Data breach and Cyber Attacks • Blockchain technology • Security Initiatives by the Govt. of India

Seminar - 5 Lectures
 Expert Talk - 5 Lectures
 Test - 5 Lectures

Total Lectures 30 + 15 = 45

Suggested Books, References and Online Resources

- David Sutton, “Cyber Security: A Practitioner’s guide”, BCS Learning & Development Limited, UK, 2017
- <https://www.mha.gov.in/document/downloads/cyber-safety-handbook>
- Rodney Jones and Christoph Hafner – “Understanding digital Literacies: A practical Introduction”, Routledge Books, 2nd Edition, 2021.



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- <https://www.digitalindia.gov.in>
- <https://www.digilocker.gov.in>
- <https://www.cybersafeindia.in>
- <https://www.meity.gov.in/cyber-suraskshit-bharat-programme>

Course Outcomes:

- Use 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 cyber world.