VAC Course Guidelines
DIGITAL EMPOWERMENT

VAC Course Title	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
Digital Empowerment	02	Lecture	Tutorial	Practical	Pass in Class 12th	NIL
		0	0	2		

Topic	Sessions*	Resources	Details
Unit I: Digital inclusion and Digital Empowerment			
Needs and challenges	2	1. https://www.meity.gov.in/sites/upload_files/dit/files/Digital%20India.pdf 2. https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1885962 3. https://www.digitalindia.gov.in	Understanding the digital world, digital divide and its impact and future of digital inclusion
Vision of Digital India: DigiLocker, E-Hospitals, e-Pathshala, BHIM, e-Kranti (Electronic Delivery of Services), e-Health Campaigns	4	1. https://www.digitalindia.gov.in 2. https://digilocker.gov.in/ 3. https://nha.gov.in/ 4. https://pmjay.gov.in/ 5. https://diksha.gov.in/ 6. https://swayam.gov.in/ 7. https://www.digitalindia.gov.in/services/ 8. https://www.meity.gov.in/content/e-kranti	Apprising the vision of Govt of India with regard to digital infrastructure. All the three parts to its vision: • digital infrastructure as a core utility service to citizens • governance and services on demand • digital empowerment of citizens.
Public utility portals of Govt. of India such as RTI, Health, Finance, Income Tax filing, Education	4	1. https://www.india.gov.in/ 2. https://rtionline.gov.in/index.php 3. https://www.bhimupi.org.in/ 4. https://www.incometax.gov.in/iec/foportal 5. https://nha.gov.in/ 6. https://swayam.gov.in/ 7. https://nptel.ac.in/	In depth study of various portals and their functioning - Portals on education, health, finance/banking etc

Activities that may be conducted:
1. Identify a few people of different age groups among family members, domestic help, neighborhood etc. Find out digital literacy among these groups. For example Usage of Smart phones, Internet, computer systems, and awareness of accessing an app.
2. Students may access their own DigiLocker account. Fetch and use any three important documents from the DigiLocker such as class 10th certificate, 12th certificate, Aadhaar card, Driving License and vaccination certificate etc.
3. Students can explore digital services in the areas such as e-Kranti: education, health, planning, farming, security, financial inclusion, and justice. (any one site)

Unit II: Communication and Collaboration in the Cyberspace

Electronic Communication: electronic mail, blogs, social media	2	1. https://static.vikaspedia.in/media/files_en/education/Digital%20Litercy/Email5.pdf 2. https://www.proofpoint.com/us/threat-reference/electronic-communication#:~:text=Electronic%20communication%20includes%20a%20broad,tools%20like%20Skype%20and%20Zoo.	Awareness of the frequently used methods of electronic communication
Collaborative Digital platforms	2	1. https://en.wikipedia.org/wiki/Digital_collaboration	Inculcating the concept of collaborative online working methodologies to remove the geographical boundaries
Tools/platforms for online learning	2	1. https://vikaspedia.in/education/interactive-resources	Learning the tools and techniques of online learning
Collaboration using file sharing, messaging, video conferencing	2	1. https://www.prodigygame.com/main-en/blog/virtual-learning-tools/: 2. https://dexteredward.com/secure-collaboration/	Learning the state of art technologies to collaborate in the digital world

Activities that may be conducted:
1. Students may be asked to create an email account, if they don't have one and perform the following activities using that account
   a. Create a group of your friends and post a welcome message on it.
   b. Share a google document with your friends and give edit rights to a few of them.
   c. Make changes to the account settings such that every outgoing email has your name, designation (if any) and your contact number.
2. Draft a mail and schedule it to be sent to some acquaintance the next day at some preset time (say 11am.)
3. Create an account on prominent social media and check how its privacy settings can be set to keep you cyber safe.
4. Identify at least three collaborative digital platforms that can be used for group study. List their advantages and disadvantages, if any.
5. Prepare 2-3 slides and present them on a video meeting to your instructor.

Unit III: Towards Safe and Secure Cyberspace

Online security and privacy	2	1. https://safety.google/security-privacy/	Explore ways to maintain online safety. Understanding privacy controls and good data practices

Threats in the digital world: Data breach and Cyber Attacks	2	1. https://www.csoonline.com/article/3541148/the-biggest-data-breaches-in-india.html 2. https://www.secureworld.io/industry-news/top-10-data-breaches-of-all-time 3. https://onlinedegrees.und.edu/blog/types-of-cyber-security-threats/	Study of the various types of cyber threats and case studies of world wide data breaches
Blockchain Technology	2	1. https://blockchain.gov.in/ 2. https://blockchain.gov.in/Documents/blockchain_informatics.pdf 3. https://blockchain.gov.in/Documents/Whitepaper_30jan.pdf 4. https://blockchain.gov.in/Documents/BCT_2019.pdf	Learning the various components of the blockchain ecosystem including blockchain client, blockchain node, blockchain network, transaction processor and consensus process.
Security Initiatives by the Govt of India	2	1. https://safety.google/ 2. https://www.aicte-india.org/CyberSecurity 3. https://www.niti.gov.in/sites/default/files/2019-07/CyberSecurityConclaveAtVigyanBhavanDelhi_1.pdf	Learning about the various security initiatives taken up by the Government for cyber hygiene, prevention of cyber crimes etc.

Activities that may be conducted:
1. Prepare a small report on either a data breach or a cyber attack.
2. Browse the Govt blockchain website "blockchain.gov.in". Explore and present any one case study present on the website.

Unit IV: Ethical Issues in Digital World			
Netiquettes	2	1. https://www.kaspersky.com/resource-center/preemptive-safety/what-is-netiquette 2. https://www.britannica.com/topic/netiquette	Learning about communication, social media and internet etiquettes
Ethics in digital communication		1. https://onlinelibrary.wiley.com/doi/book/10.1002/9781118968888 2. https://iccopr.com/wp-content/uploads/2017/10/Ethics-in-Digital-Communications-Guidelines.pdf	Guidelines about maintaining ethics in digital communication
Ethics in Cyberspace	2	3. https://link.springer.com/chapter/10.1007/978-90-481-2370-4_1	Guidelines about maintaining ethics in cyberspace

Activities that may be conducted:
1. Create a presentation to raise awareness of the acceptable behavior in cyberspace.
2. Create a report on discussion on imminent dangers in the virtual world including atleast one case study

*Kindly note 1 practical session = 2 hours

List of some more sample activities

1. After visiting the Digital India website (https://www.digitalindia.gov.in) students may be asked to list down any four achievements of the government towards the realization of the Digital India vision.
2. Prepare 2-3 page report on 9-pillars of Digital India.
3. Using the account created above perform more activities such as
   a. If you cannot attend to the emails for some days due to some urgent work, then change the settings such that an automatic reply mail is sent to the sender during those days.
4. Create an account on Facebook, if you don't have one and explore it. Perform the following activities on your existing / new Facebook account:
   a. Follow the official page of your college, University of Delhi, or any other relevant authority.
   b. Manage your privacy to limit who can interact with you and what you share.
   c. Control who can see what you share on Meta.
5. Create an account on X, if you don't have one and explore it. Perform the following activities on your existing / new X account:
   a. Follow the official handles of your college (@ your_college), University of Delhi (@UnivofDelhi), or any other relevant entity
   b. Send a message to someone you are following
   c. Retweet a message
6. Write a blog about your experience on your first day in college
7. Students may be encouraged to explore any one of the digital platforms related to the financial or banking or education sector.
8. Faculty should help students to create their account in the NPTEL/ SWAYAM education portal and enroll in appropriate course/s.
9. Group discussion to discuss online activity and their possible consequences can be held in class.
10. Create a report on discussion on imminent dangers in the virtual world including at least one case study

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Prepared by:

Prof. Hema Banati   **Prof. Vinita Jindal**
Dyal Singh College   Keshav Mahavidyalaya

Prof. Prabhat Mittal
Course Co-coordinator, VAC-Digital Empowerment

Sr. Prof. Punam Bedi
Course Coordinator, VAC-Digital Empowerment