

Branch Name:	CYBER SECURITY
Program Code:	ET207
Course Title:	Overview of Social Media and its Security
Course Code:	2ET2070207T
Pre-requisite Course:	Cyber Security Fundamental Knowledge

Course Objectives: After successful completion of the course, student will be able to

1. To impart the knowledge architecture reference layer Security issues and challenges of Cyber Security technology.
2. Give introduction about the networks, its use, the need of security
3. To provide knowledge about Enables students to get acquainted with practical social application development interfaced with required disciplines.
4. Combines both the technical expertise and the knowledge required to investigate, detect and prevent digital crimes.

Teaching and Examination Scheme:

Credit	Teaching Scheme Hours per week				Evaluation Scheme (Marks)								Total (Marks)
					Theory (Marks)				Practical (Marks)				
	L	T	P	Total	SEE		CCA		SEE		CCA		
					Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
3	3	-	-	3	24	60	16	40	-	-	-	-	100

Course Contents:

Unit No	Topics	Total Hours	Weight age (%)
1	Introduction: What is Social Media?, Understanding Social Media, Different Types and Classifications, The Value of Social Media, Cutting Edge Versus Bleeding Edge, The Problems That Come With Social Media, Is Security Really an Issue? Taking the Good With the Bad.	12	30
2	Dark side: Cyber crime ,Social Engineering ,Hacked accounts , cyber stalking, cyber bullying, predators, phishing, hackers	8	20
3	Being bold versus being overlooked :Good social media campaigns , Bad social media campaigns, Sometimes it's better to be overlooked ,Social media hoaxes, The human factor ,Content management, Promotion of social media	10	15
4	Risks of Social media Risks of social media , Public embarrassment, Once it's out there, it's out there False information, Information leakage, Retention and archiving, Loss of data and equipment Policies and Privacy: Blocking users controlling app privacy , Location awareness , Security : Fake accounts ,passwords ,privacy an information sharing	15	35

Text Books:

1. Editors: Altshuler, Y., Elovici, Y., Cremers, A.B., Aharony, N., Pentland, A. (Eds.) Interdisciplinary Impact Analysis of Privacy in Social Networks L T P C 3 0 0 3 Page 17 of 44 Recognizing Your Digital Friends Encryption for Peer-to-Peer Social Networks Crowdsourcing and Ethics
2. Security and privacy protection in information processing systems by Lech J. Janczewski, Henry B .Wolfe, Sujeet Shenoi

Reference Books:

1. Network Security Essentials (Applications and Standards) by William Stallings Pearson Education.
2. Principles of Information Security, Whitman, Thomson
3. Cryptography and Network Security (principles and approaches) by William Stallings Pearson Education, 4th Edition.
4. Web Security, Privacy and Commerce Simson Garfinkel, Gene Spafford, O'Reilly .

List of Open-Source Software/learning website:

1. <https://www.sciencedirect.com/science/article/pii/B97815974998660000>

Course Learning Outcomes (CLO):

Course Outcomes	Description	Bloom's Taxonomy Level
COL1	Learn about browser's risks while using social media	Understanding (2) Applying (3)
COL2	Learn about Social Networking, Understands the Guidelines for social networking	Applying (3)
COL3	Understand how to secure different web browsers.	Applying (3)
COL4	Understand how an e-mail works does; learn threats involved using an email communication, safety measures while using e-mail	Applying (3)

Mapping of CLO with PO and PSO

Course Learning Outcomes	Program Outcomes (POs)												Program Specific Outcomes(PSOs)			
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CLO1	H	M	M		M											
CLO2	H	M			M							L				
CLO3	H	M	M		M											
CLO4	M	M	M		M							L				
CLO5	M	M										L				

H: High, M: Medium, L: Low