PARVATHANENI BRAHMAYYA SIDDHARTHA COLLEGE OF ARTS & SCIENCE
Autonomous
Siddhartha Nagar, Vijayawada-520010
Re-accredited at 'A+'by the NAAC

Offered to: M.Sc. (Computer Science)

CourseName	Privacy and Security In Online Social Media-MOOCs	**L**	**T**	**P**	**C**	**CIA**	**SEE**	**TM**
CourseCode	22CS4M1	4	0	0	4	30	70	100
Year of Introduction: 2022	**Year of Offering:** 2022	**Year of Revision**: Nil		**Percentage of Revision:** Nil				
L-Lecture, T-Tutorial, **P**-Practical, **C**-Credits, **CIA**-InternalMarks, **SEE**-ExternalMarks, **TM**-TotalMarks								

Course Description and Purpose: Privacy and Security in Online Social Media is a course that illustrates concepts*of incidents, Trust and credibility, Misinformation, Pictures in online Social Media, policing and e-crimes, link Farming, Semantic attacks, Privacy in Location based Networks, Dynamics of username change.*

Course Objective: To understand the importance of Privacy and Security in Online Social Media *incidents, Trust and credibility, Misinformation, Pictures in online Social Media, policing and e-crimes, link Farming, Semantic attacks, Privacy in Location based Networks, Dynamics of username change.*

Course Outcomes:

CO1: Recall Key Incidents, Data Collection Techniques.
CO2: Understand Dynamics of Social Media, Privacy Concerns.
CO3: Apply Policing Strategies, Detection of eCrime.
CO4: Analyze Misinformation Spread, Trustworthiness of Information.
CO5: Evaluate Effectiveness of Tools and APIs, Credibility of Sources.

CO-PO MATRIX								
COURSE CODE	**CO-PO**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**
	CO1	H	H	H	M	M	M	H
	CO2	H		H		M	H	M
	CO3		H		H		H	M
	CO4		H	H			H	
	CO5	H	H			M		M

UNIT-I (12 Hours)

Introduction-Incidents-OSM APIs and tools for data collection-Trust and Credibility on OSM.

UNIT-II (12 Hours)

Misinformation on Social Media-Privacy and Social Media-Privacy and Pictures on Online Social Media

UNIT-III (12 Hours)

Policing and Online Social Media Part-I-Policing and Online Social Media Part-II-Policing and Online Social Media Part-III-eCrime on Online Social Media Part-I-eCrime on Online Social Media Part-II

UNIT-IV (12 Hours)

Link Farming in Online Social Media-Nudges-Semantic attacks: Spear phishing-Profile Linking on Online Social Media-Anonymous Networks.

UNIT-V (12 Hours)

Privacy in Location Based Social Networks Part-I-Privacy in Location Based Social Networks Part-II-Beware of What You Share Inferring Home Location in Social Networks-On the dynamics of username change behavior on Twitter.

PrescribedTextBook			
	Author	Title	Publisher
1	Prof.Ponnurangam Kumara Guru	Privacy and Security in Online Social Media	e-Book

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M.Sc.((Computer Science) MOOCs Semester :IV

Course Code:22CS4M1Course Name:Privacy and Security in Online Social Media

Time: 3 Hours Max Marks: 70

SECTION-A

Answer the following questions. (5×4=20Marks)

1. a) What is an *API*?(CO1,L1)
   (OR)
   b) Explain *Data*.(CO4,L1)
2. a) Write about *Privacy*. (CO2,L1)
   (OR)
   b) What is impact of misinformation*?* (CO2,L1)
3. a) What is *Policy*? (CO3,L1)
   (OR)
   b) What is *eCrime?* (CO3,L1)
4. a) What is *Nudge*?.(CO4,L1)
   (OR)
   b) Explain *Farming in Social Media.* (CO4,L1)
5. a) Write about *Privacy Preserving.* (CO5,L1)
   (OR)
   b) What is *Inferring Home Location?* (CO5,L1)

SECTION-B

Answer the following questions. (5×10=50Marks)

6. a) Categorizevarious incidents in *Online Social Media*. (CO1,L4)
   (OR)
   b) Compare and contrast *Trust* and *Credibility* on OSM. (CO1,L4)

7. a) Explain misinformation in*Social Media and its disadvantages*. (CO2,L2)
   (OR)
   b) Explain *Privacy and Pictures on Online Social Media*. (CO2 ,L2)

8. a) Summarize *Policing* in Social Media. (CO3, L2)
   (OR)
   b) Explain *various e-crimes in Social Media*. (CO3,L2)

9. a) Explain the *Link farming in Online Social Media*. (CO4, L5)
   (OR)
   b) Explain *Anonymous Networks*. (CO4, L5) 10 M

10. a) Elaborate*dynamics of username change behavior on Twitter*(CO5, L6)
    (OR)
    b) Elaborate *LocationBased Social Networks Impacts Privacy*(CO5,L6)