Course	e Code Po	CA20G04T	Course Name	SOCIAL NET	WORK ANAL	YSIS	Cours Catego		G			Gen	eric E	Electi	ve (	Cours	e			<b>L</b>	T 0	P 0	C 3
Pre-re	equisite Cou	rses Nil		Co-requisite Courses	Nil				Prog	ressive	Cou	rses	Ni	1									
Course	Offering De	partment	Computer Applica	tions	Data Book /	Codes/Standard	s								Ν	il							
Course (CLR):	Learning Ra	ationale	The purpose of lear	ning this course is to,			Le	earni	ng				Prog	gram	Lear	rning	Outo	come	s (PL	.0)			3
CLR-1:	TO SECURITION OF THE PROPERTY	CECULOS 2004 (VIII 2001 - 4217 - 4227		and its related applica	ations		1	2		1	2	3	4	5	6	7 8	9	10		12	13	14	15
CLR-2 : CLR-3 :	Examine Understa	the extraction	on and mining of so	of social network data ocial network communit shavior for social communitations		cquire Visualizi	ng Puiking	Proficiency (%)	Attainment (%)	Disciplinary Knowledge	inking	Solving	Analytical Reasoning	T Research Skills	¥ .	Thinking		Multicultural Competence	asoning	Community Engagement		p Skills	Learning
(CLO):	Learning Ou			ss to funding for long-te		nt needs	Py lova	Expected	Expected	- Disciplina	0	Problem Solving	= Analytical	Research	leam wo	Scientific				_	- ICT Skills	Leadership	Life Long L
CLO-1 :		C. C. C.	epresentation using	web and related applic	ations			86		M	H	H	H	Н	vi - 	1	l N	I M	-	H	H M	-	M
CLO-3:				web and related comr	munities		3	_		М	М	Н	Н	11		٨	-	1 L	-	Н	М	-	Н
CLO-4:	To learn	visualization	of social networks				3	85	5 80	L	L	Н	Н	H	И -	٨	1 L	Н	М	Н	М	-	-
Durat	ion (Hour)		9	9			9						9						Į.	9			
	SLO-1	Introduction	n to Semantic Web	Ontology and their Semantic Web	role in the	Introduction to Communities	Social	Netw	vork	Unders human commu	beh	avio			_	-554	isual	izatio	n of	Soc	ial N	etwo	ork
S-1	SLO-2	Limitations	of current Web	Roles of Ontology	/	Extracting evolution Community from Web Archive				Explan	atior	ı witi	h exa	mple		Е	xam	ole					
S-2	SLO-1	Developme	ent of Semantic We	Ontology-based kn Representation	nowledge	Definition of C	ommun	nity		User d	ata r	nana	agem	ent		G	raph	theo	ry				
3-2	SLO-2	Emergence	e of the Social Web	Explanation of Dia	gram	Examples for (	Commu	nity		Infere	nce a	and I	Distril	bution	)	C	entra	ality					

networks

Communities

Examples for Detection of

Ontology languages for the

Resource Description

Semantic Web

Framework

Social Network analysis

Components

SLO-1

SLO-2

S-3

Detecting communities in social Enabling new human

experiences

Reality mining

Clustering

Node-Edge Diagrams

	SLO-1	Development of Social Network Analysis	Web Ontology Language	Methods for community detection and mining	Context	Matrix representation
S-4	SLO-2	Key concepts and measures in network analysis	Examples	Methods explanation with example	Awareness	Example for Matrix Representation
S-5	SLO-1	Electronic sources for network analysis	Modeling and aggregating social network data	Applications of community mining algorithms	Privacy in online social networks	Visualizing online social networks,
	SLO-2	Examples		Algorithms	Trust in online environment	Matrix-based representations
S-6	SLO-1	Electronic discussion networks	State-of-the-art in network data representation	Tools for detecting communities social network infrastructures and communities	Trust models based on subjective logic	Matrix and Node
	SLO-2	Explanation of Diagram	Ontological representation of social individuals	Examples for various tools	Trust model example	Link Diagrams
SLO-1	Blogs and online communities	Ontological representation of social relationships	Decentralized online social networks	Trust network analysis	Hybrid representations	
	SLO-2	Examples	Examples	Example	Trust transitivity analysis	Applications
	SLO-1	Web-based networks	Aggregating	Dynamic social network communities	Combining trust and reputation	Cover networks
8-8	SLO-2	Examples with diagrams	Reasoning with social network data	Dynamic social network communities	Explanation of Formula	Community welfare
	SLO-1	Applications of Social Network Analysis	Advanced representations	Relational characterization of dynamic social network communities.	Trust derivation based on trust comparisons	Collaboration networks
S-9	SLO-2	Examples	Examples for Representations	Examples	Attack spectrum and countermeasures.	Co-Citation networks

Learning Resources	1. 2. 3.	Peter Mika, "Social Networks and the Semantic Web", First Edition, Springer 2007. Borko Furht, "Handbook of Social Network Technologies and Applications", 1st Edition, Springer, 2010. Guandong Xu, Yanchun Zhang and Lin Li, "Web Mining and Social
		Networking – Techniques and applications", First Edition Springer, 2011

- Dion Goh and Schubert Foo, "Social information Retrieval Systems: Emerging Technologies and Applications for Searching the Web Effectively", IGI Global Snippet, 2008.
- Max Chevalier, Christine Julien and Chantal Soulé-Dupuy, "Collaborative and Social Information Retrieval and Access: Techniques for Improved user Modelling", IGI Global Snippet, 2009.
- John G Breslin, Alexander Passant and Stefan Decker, "The Social Semantic Web", Springer, 2009.

120 120	Bloom's Level	Continuous Learning Assessment (50% weightage)									nination ghtage)
Level	of Thinking	CLA –	1 (10%)	CLA –	2 (10%)	CLA -	3 (20%)	CLA - 4 (	10%) #	3.0	270 2000 100
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	40%		30%		30%		30%		30%	
Levell	Understand	40 %	( <del></del> )	30 %	-	30 %		30 %	-	30 %	
Level 2	Apply	40%		40%		40%		40%		40%	20.00
Level 2	Analyze	40 /0		40 /0	-	40 /0	-	40 %		40 /0	-
Level 3	Evaluate	20%	NEATH	30%	==	30%	9	30%		30%	500
Level 3	Create	20%	-	30%	-3-	30%	ē.	30%	-	30%	
Total		100	) %	100	0 %	100	0 %	100	%	100	%

# CLA - 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers							
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