Course Code	PCS21S01J	Course Name		INFORMATION LITERACY	Course Category	S	Skill Enhancement Course	L	T	P	C
								1	0	2	2

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Computer Science	Data Book / Codes/Standards		Nil	

Course Learning Rationale (CLR):	The purpose of learning this course is to:
CLR-1 :	To recognize when information is needed.
CLR-2 :	To Understand the economic, legal, and social issues surrounding the use of information ethically and legally
CLR-3 :	To have the ability to locate evaluate and use effectively.
CLR-4 :	To use the research tool as per their study

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom) 1	Expected Proficiency (%) 2	Expected Attainment (%) 3	Fundamental Knowledge 1	Application of Concepts 2	Link with Related Disciplines 3	Procedural Knowledge 4	Skills in Specialization 5	Ability to Utilize Knowledge 6	Skills in Modeling 7	Analyze, Interpret Data 8	Investigative Skills 9	Problem Solving Skills 10	Communication Skills 11	Analytical Skills 12	PSO 1 13	PSO 2 14	PSO 3 15
CLO-1 :	Analyze a research need	3	80	70	L	H	-	H	L	-	-	-					-	-	-
CLO-2 :	Find information effectively and efficiently by using a variety of search techniques	3	85	75	M	H	L	M	L	-	-	-					-	-	-
CLO-3 :	Access needed information in multiple publication formats	3	75	70	M	H	M	H	L	-	-	-					-	-	-
CLO-4 :	Evaluate the quality and relevance of information sources	3	85	80	M	H	M	H	L	-	-	-					-	-	-
CLO-5 :	Recognize several ethical and legal issues related to the use of information	3	85	75	H	H	M	H	L	-	-	-					-	-	-

Duration (Hour)		9	9	9	9	9
S-1	SLO-1	An introduction to Information literacy	special interest organizations	Control Structures	Multilple media, Input functions	Arithmetic, relational and logical operations on matrices.
	SLO-2	understanding practical aspects of information literacy such as Matlab Environment	media	For loop	Output functions	Polynomial evaluations, roots of polynomial and arithmetic operations on polynomials.
S-2-3	SLO-1 SLO-2	Laboratory 1: practice simple program using matlab	Laboratory 3: write a program involving data types and constants.	Laboratory 5: write a program using for loop and while loop.	Laboratory 7: write a program to demonstrate the functions of break statement.	Laboratory 9: write a program to plot 2d graphs.
S-4	SLO-1	Getting familiarized with command window	Data types	While loop	Reading data	Graphics: 2D plots
	SLO-2	Libraries	Constants	Do - while	Storing data	Printing labels
S-5-6	SLO-1	Community resources	Variables	If control structures	Vectors	Grid & Axes box
	SLO-2	Current directory	Character constants	Switch	Graphical, aural, textual	Text in plot
S7	SLO-1	Figure Window	Operators	Break	commands to operate on vectors and matrices	Bar chart
	SLO-2	Edit Window	Assignment statements	Continue statement	matrix Manipulations	Pie chart
S8-9	SLO-1 SLO-2	Laboratory 2: write a simple program in matlab using the basic tools.	Laboratory 4: write a program using variables and operators.	Laboratory 6: write a program to demonstrate the functions of switch case statement.	Laboratory 8: write a program to demonstrate the commands operated on vectors.	Laboratory 10: write a program to demonstrate pie chart and bar chart.

Learning Resources	Bansal R.K, Goel A.K., Sharma M.K., "MATLAB and its Applications in Engineering", Pearson Education, 2012.

Learning Assessment										
	Bloom's Level of Thinking	**Continuous Learning Assessment (100% weightage)**								
		CLA – 1 (20%)		**CLA – 2 (20%)**		**CLA – 3 (30%)**		**CLA – 4# (30%)**		
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	
Level 1	Remember Understand	10%	10%	10%	10%	10%	10%	10%	10%	
Level 2	Apply Analyze	20%	20%	20%	20%	20%	20%	20%	20%	
Level 3	Evaluate Create	20%	20%	20%	20%	20%	20%	20%	20%	
	Total	100%		100%		100%		100 %		

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

Course Designers		
Experts from Industry	**Experts from Higher Technical Institutions**	**Internal Experts**
Mr. S. Karthik, Assistant Consultant, Tata Consultancy Services	Dr. S. Sasikala, Associate Professor and Head, Dept. of Computer Science, University of Madras	1. Dr.Arul Leena Rose 2. Dr.Sweety