

Department of Computer Science with Data Analytics

List of Courses having focus on Local, National, Regional, Global Developmental needs
offered by the B.Sc Computer Science with Data Analytics

B.Sc Computer Science with Data Analytics						
Programme : B.Sc Computer Science with Data Analytics						Year : 2022
Course Code	Course Title	Need				Rationale
		Local	National	Regional	Global	
22UDA101	Core I: Programming in C	✓	✓	✓	✓	Efficiently work on enterprise applications, games, graphics, and applications requiring calculations
22UDA102	Core II: Data Structures and Algorithms	✓	✓	✓	✓	Knowledge for organizing, processing, retrieving and storing data and files
22UDA1A1	Allied-1: Mathematical Foundation for Data Science	✓	✓	✓	✓	Mathematics Foundation to analyze the data
22UDA103	Core Lab I: Programming Lab in C	✓	✓	✓	✓	Enhance the analyzing and problem solving skills and use the same for writing programs in C
22UDA204	Core III: Object Oriented Programming with Java	✓	✓	✓	✓	Used to develop desktop and mobile applications, big data processing,

						embedded systems, and so on
22UDA205	Core IV: Operating System	✓	✓	✓	✓	Manages computer hardware, software resources, and provides common services for computer programs
22UDA2A1	Allied-2: Statistics and Probability	✓	✓	✓	✓	Useful to analyze the big data
22UDA206	Core Lab III: Programming Lab in Java	✓	✓	✓	✓	General-purpose programming language that follows the object-oriented programming paradigm and the Write Once Run Anywhere approach
22UDA207	CAPSTONE PROJECT	✓	✓	✓	✓	Implementation of the concepts to bridge the gap between industry and academic

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Dr. E. RAMA DEVI, MCA., M.Phil., Ph.D.,
Associate Professor & Head
Department of Computer Science
with Data Analytics
NGM College, Pollachi - 642 001.

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N. G. M. COLLEGE, POLLACHI.