K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637 215

Department of Computer Science - DS

Details of courses having crosscutting issues relevant to professional ethics, gender, human values, environment and sustainability

Programme	Name of the Course	RELEVANT ISSUE			
		Gender	Environment & Sustainability	Human Values & Professional Ethics	Description
B.Sc Computer Science - Data Science	CORE - II: INTRODUCTION TO DATA SCIENCE		. 1	✓	 Data science is all about using data to solve problems. The problem could be decision making such as identifying which email is spam and which is not. The core job of a data scientist is to understand the data, extract useful information out of it and apply this in solving the problems. Educate people about the tremendous impact of ethical issues in the successful and secure use of data science.
	CORE - IX: DATA MINING AND WAREHOUSHING		*		Techniques are presented to explore and analyze environmental spatial-temporal data or help to design and operate better sustainable systems.
	CORE - X: SOFTWARE ENGINEERING			*	 This can make the software engineer more conscious and aware of the ethical consequence of certain engineering decisions with in the process. Implementation of such a ethical framework can overcome the traditional contradiction between professional skills and ethical skills by proposing an approach to the fundamental task of the software development.
	ELECTIVE I: SOCIAL MEDIA MINING		4	✓	 Helpful in identifying influencers or users who have strong follower bases and engagement rates on certain social platforms. Businesses will use influencer marketing to help bring attention to products and services.
	CORE - XII: PYTHON PROGRAMMING		*		 A Robust Integration platform for the Environmental Science work from data analysis to Distributed computing and graphical interfaces to geographical information systems.

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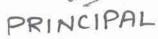
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CORE - XIII: COMPUTER NETWORKS		~	Computers are networked to have the ability to link to other machines, usually to access data and other information held remotely. The technical design of computer systems might appropriately be influenced by ethical issues.
CORE-VI:BIG DATA ANALYTICS	*		 Enabling environmental sustainability by helping us to understand the demand for energy and food as the world population increases and climate change reduces these resources by every passing year.

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