

BATCH : 2018, 2019 and 2020.

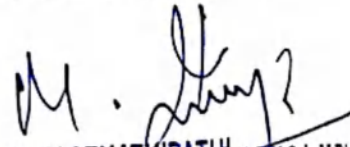
List of Courses having focus on local, national, regional and global developmental needs offered by the Department of Computer Technology

DEPARTMENT OF COMPUTER TECHNOLOGY						
Programme: Computer Technology					Year: 2020	
Course Code	Course Title	Need				Rationale
		Local	National	Regional	Global	
20 UCT 101	CORE - I : Programming in C				✓	To impart knowledge to the students for the preparation of various problem solving, this course offers the modern programming Language C along with exposition to various applications of computers.
20 UCT 102	CORE II: DIGITAL FUNDAMENTALS AND COMPUTER ORGANIZATION			✓		To impart knowledge to the students for the preparation to know about fundamental principles of digital electronics and gain familiarity with the available IC chips and also it gives a background in the broad field of digital systems.
19UCT 307	Core V: Java Programming				✓	To impart knowledge to the students for the preparation to develop necessary skills in students to apply object oriented programming techniques in java so that


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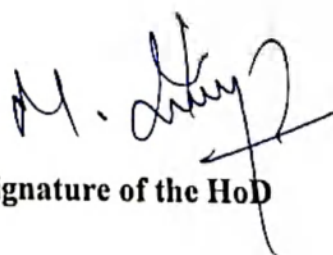
19 UCT 308	Core VI: Database Management System		✓		✓	to develop complete applications using core java. To impart knowledge to the students for the preparation to acquaint the student with knowledge of fundamentals concepts of DBMS and its application in different areas, storage, manipulation and retrieval of data using query languages.
19UCT 412	Core VIII: Advanced Java Programming				✓	To impart knowledge to the students for the preparation of designed to teach the student how to write, test, and debug advanced-level Object-Oriented programs using Java with a heavy emphasis toward network and web programming.
19UCT4N3/ 19UCT4N4	Skill Based Non-Major Elective II - Office Automation Lab / CorelDraw Lab			✓		This subject covers the handling of whole field of word processing. It also involves various

18UCT517	CORE XI: OPEN SOURCE TECHNOLOGIES		✓	✓	The students of this Programme in Computer Technology as web developers would be able to write dynamic interactive web based applications such as for online banking, ticket/hotels booking sites, ECommerce using PHP and MYSQL database. After mastering this course they may work as self-employed web page developer.
18UCT518	CORE XII: Information Security		✓	✓	To impart knowledge to the students for the preparation in view of basic computer users and information system managers and the concepts needed to read through the ripe in the market place as well as understanding risks and how to deal with them. It is hoped that the student will have a wider perspective on security .
18 UCT 519	Core Elective - I :Cloud Computing			✓	To impart knowledge to the students in grooming them to work on current technology scenarios as


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						clerical tasks, such as organizing customer data or creating reports. It enables people with lower skill levels to perform higher-level tasks. Office Automation helps the users with a sophisticated set of commands to format, edit, and print text documents. It is used as valuable and important tools in the creation of application such as newsletters, brochures, charts, presentation, documents, drawings and other graphic images. This will make the students proficient in office automation applications. Desk Top Publishing is useful for learning how to design various publications such as banner, brochure, viz. cards, books and book covers, booklets, etc
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						well as prepare them to keep pace with the changing face of technology and the requirements of the growing IT industry.
18UCT6E4	Core Elective - II : Embedded Systems			✓	✓	To impart knowledge to the students for the preparation to work in Device drivers and Interrupts servicing mechanism, inter-process communication and synchronization of processes and hands on skills to develop and maintain electronics hardware based embedded systems.
	VAC - IoT (Internet of Things)				✓	The course is prepared to provide the students for detailed understating of IOT for manufacture.


Signature of the HoD

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