

**NALLAMUTHU GOUNDER MAHALINGAM COLLEGE
POLLACHI – 642001**

DEPARTMENT OF COMPUTER TECHNOLOGY

1.1.1. List of Courses having focus on local, national, regional and global

DEPARTMENT OF COMPUTER TECHNOLOGY						
Programme: Computer Technology						Year:2018-19
Course Code	Course Title	Need				Rationale
		Local	National	Regional	Global	
18 UCT 101	CORE - I : C Programming				✓	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.
18 UCT 102	CORE II: DIGITAL COMPUTER FUNDAMENTALS			✓		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.
17 UCT 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 the students will be able

						to develop complete applications using core java.
17 UCT 413	Core IX: Relational Database Management System & Oracle		✓		✓	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.
17 UCT4N3/ 17 UCT4N4	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 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.
17 UCT 412	CORE VIII: 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.
16 UCT625	Elective III : Cyber 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 .
16 UCT 622	Core XIV: J2EE Technologies				✓	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.	
16 UCT 520	Core Elective - I :Cloud Computing				✓	To impart knowledge to the students in grooming them to work on current technology scenarios as well as prepare them to keep pace with the changing face of technology and the requirements of the growing IT industry.	
16 UCT 624	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.

J. Thilagavathi
HOD

Dr. J. THILAGAVATHI M.C.A., M.Phil, Ph.D.,
Associate Professor & Head
Department of Computer Technology
N.G.M. College, Pollachi - 642 001



[Signature]
PRINCIPAL

PRINCIPAL
N.G.M. COLLEGE, POLLACHI