



Course Outline Form

ODD SEMESTER 2019

Dear Student: Course outlines are intended to provide students with an overall plan for a course to enable them to function efficiently and effectively in the course.

*Academic Programs
BSc Computer Science
EMEA College
Kondotty*

Course Outline : GENERAL INFORMATICS (2018-2019)

Name of the Stream	Science
Name of the Programme	BSc Computer Science
Name of the Course	GENERAL INFORMATICS
Nature of the Course	Common Course
Semester	Third
Lecturer(s)	1.Jamsheela.O, 2.Haulath.K
Name of the Coordinator	
Year	2018-2019
No of Credits	4
No of Contact Hours	72
Course Description	This course introduces the basic information of computers, networks and free softwares.
Course Objectives	a. To update and expand basic Informatics skills of the students. b.To equip the students to effectively utilize the digital knowledge resources for their study.
Course Outcome	Students can create new softwares by using Java programming language.
Assessment Method	Assignments Class Tests Unit Tests Seminars
Teaching Methods Used	Lectures Class Discussion Powerpint Slides
Textbook	1. Peter Norton, Introduction to Computers, Tata McGraw Hill Private Limited, New Delhi, 2009. 2. Alan Evans, ITL ESL, Leslie Lamport, Dolores Etter, Darren George, Kenneth C Laoudon, Gary Rogers, Rainer Handel, INFORMATICS -Technology in Action, Pearson Education, Delhi, 2009. 3. V.Rajaraman, Introduction To Information Technology, PHI Learning Private Limited, New Delhi, 2009.
References	1. Alex Leon, The Complete Reference Linux Sixth Edition, Tata McGraw Hill Private Limited, New Delhi, 2009. 2. Christopher Mathews Leon, Fundamentals of Information technology, Leon Vikas, Chennai, 2009. 3. Richard Peterson Negus, Linux Bible, Wiley India Private Limited, 2009. 4. Mike McGrath, Linux In Easy Steps , Dream TechPress, New Delhi, 2009 5. Daniel Minoli & Emma Minoli, Web Commerce Technology Hand Book, Tata McGraw Hill, New Delhi, 2009
Internet Resources	www.wikipedia.com www.google.scholarr.com www.bing.com www.google.com www.afk.com www.yahoosearch.com www.comp.os.linux.admin www.comp.os.linux.answers

Internal Exam Pattern

Items	Marks/20	Marks/15
Assignment	4	3
Test Paper(s)/Viva voce	8	6
Seminar/Presentation	4	3
Class Room Participation based on Attendance	4	3
Total	20	15

External Exam Pattern

Question Type	No of Question	Marks/Question	Total Marks
Short Questions(2-3 Sentences)	15	2	Ceiling 25
Paragraph / Problem Type	8	5	Ceiling 35
Essay Type	2 out of 4	10	20
Total			80
Time			2.5 hrs

Graduate Attributes	<p>Name of the Course: GENERAL INFORMATICS</p> <p>Knowledge</p> <p>Professional Skills</p> <p>Communication Skills</p> <p>IT Skills</p> <p>Personal Skills</p> <p>Creative Thinking</p> <p>Attitude and Values</p> <p>Social Responsibility</p>
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Course Schedule

Computers and Operating Systems : Features of New Generation Personal Computers and Peripherals	Week 1
Computer networks - Types of networks - Components of networks – Topology – Internet - Uses of internet	Week 2
Introduction to Software – License – Open source - Overview of operating systems and major application software.	Week 3

Basics of IT : Information – Pre-requisites and needs - IT and its components - IT and Internet – IT Applications	Week 4
E-Governance IT for National Integration -IT Applications in Health Care, Business, Commerce and Resource Management	Week 5
Emerging Trends in IT: Electronic Data Inter change - Mobile Computing – SMS – MMS	Week 6
Wireless Applications – Blue Tooth - Global Positional System - Infra Red Communication -Smart Card -DNA Computing - Cloud computing	Week 7
Knowledge Skills for Higher Education : Data, Information and Knowledge - Knowledge Management -Internet as a knowledge repository	Week 8
Academic search techniques -Case study of academic websites Basic concepts of IPR	Week 9
Copy rights and Patents. Introduction to use of IT in teaching and learning.	Week 10
Case study of educational software - Academic Service – INFLIBNET – NICENET - BRNET.	Week 11
Social Informatics : IT and society - Issues and concerns - Digital Divide - Free Software Movement – IT and industry	Week 12
New opportunities and threats -Cyber ethics Gyber crimes – Security – Privacy issues	Week 13
Cyber Laws -Cyber addictions Information overload -Health issues -Guidelines for proper usage of computers and internet	Week 14
e- waste and Green Csmputing – Unicode - IT and regional languages.	Week 15
Programmes for Office Management : Introduction to Linux -Linux systems -Linux distributions – Operating systems and Linux - History of Linux and UNIX - Open source software – Linux software - Software Repositories - Third party Linux Repositories -	Week 16
Linux Office and Data base software -Internet servers -Development resources - Setting the Desktop - The GNOME Desktop environment – Using the Metacity Window Manager –	Week 17
Using GNOME Panels – Change in the GNOME preferences - Exiting GNOME – Working with words and images - Desktop Publishing in Linux – Using Open Office.org office suit.	Week 18

Contact Details

Name	Jamsheela.O
Phone	9495961272
Email	ojamshi@gmail.com
Website	