KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE & Affliliated to Anna University

Anand Nagar, Nellikuppam Main Road, Kumarapuram, Cuddalore – 607 109.

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

(Academic Year 2018-2019)

17.11.2018

CIRCULAR

It is planned to conduct a value added course for III & IV year Computer Science & Engineering students on the subject given below. Each module is scheduled from 10.12.2018 to 14.12.2018. The course plan, test procedure, attendance are followed as per regulation 2013. It is highly advised that the students should attend all the sessions and get benefited of the course.

The syllabus for the same has been formulated and will be circulated to students. The eminent staff from our department is invited to give lectures on topics from syllabus.

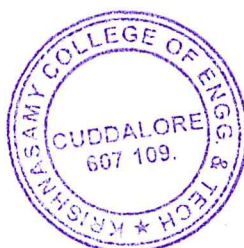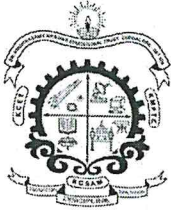| S.No	Year	Code/Name of the subject	Duration in Hours	Subject Incharge
1	IV	CS-VAC1801- Business Analytics	30	Er.P.M.Kamatchi AP/CSE
2	III	CS-VAC1802 - Information Technology Essentials	30	Er.R.Shenbagavalli,AP/CSE Er.V.Rajkumar,AP/CSE

HOD

VICE - PRINCIPAL

PRINCIPAL

Copy to:

Class Room

Class In charge

SYLLABUS

Subject Code/ Subject Name: CS-VAC1802- Information   Technology Essentials

Duration: 30 Hours

OBJECTIVES:

- To introduce the concept of Internet, Networks and its working principles.
- To know scripting languages.
- To understand various applications related to Information Technology.

MODULE I   WEB ESSENTIALS   7

Creating a Website - Working principle of a Website - Browser fundamentals - Authoring tools – Types of servers: Application Server - Web Server - Database Server

MODULE II   SCRIPTING ESSENTIALS   8

Need for Scripting languages - Types of scripting languages - Client side scripting - Server side scripting - PHP - Working principle of PHP - PHP Variables - Constants - Operators – Flow Control and Looping - Arrays - Strings - Functions - File Handling - PHP and MySQL - PHP and HTML - Cookies - Simple PHP scripts

MODULE III   NETWORKING ESSENTIALS   7

Fundamental computer network concepts - Types of computer networks - - Network layers - TCP/IP model - Wireless Local Area Network - Ethernet - WiFi - Network Routing - Switching – Network components.

MODULE IV APPLICATION ESSENTIALS   8

Creation of simple interactive applications - Simple database applications - Multimedia applications - Design and development of information systems – Personal Information System – Information retrieval system – Social networking applications

TOTAL: 30 PERIODS

OUTCOMES:

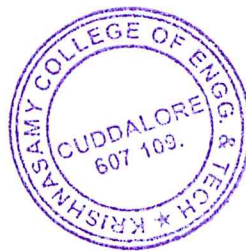On Completion of the course, the students should be able to:

- Design and deploy web-sites
- Design and deploy simple web-applications
- Create simple database applications
- Develop information system
- Describe the basics of networking and mobile communications

TEXT BOOKS:

1. Robin Nixon, "Learning PHP, MySQL, JavaScript, CSS & HTML5" Third Edition, O'REILLY, 2014.

2. James F. Kurose, "Computer Networking: A Top-Down Approach", Sixth Edition, Pearson, 2012.

REFERENCES:

1. Gottapu Sasibhushana Rao, "Mobile Cellular Communication", Pearson, 2012.

2. R. Kelly Rainer , Casey G. Cegielski , Brad Prince, Introduction to Information Systems, Fifth Edition, Wiley Publication, 2014.

3. it-ebooks.org

C-Reikha
17/11/18
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