Short Learning Objects for E-learning and MOOCs

English

Edited by

Dr. Bindu V. R.
Dr. Sajimon Abraham
Dr. Sajna Jaleel

First Published **May 2019**

Published by

Department of Printing and Publishing
Mahatma Gandhi University

Publisher

The Editor undertakes that the information in the book has been obtained from sources believed to be reliable and are correct to the best of her knowledge.

The Department of Printing and Publishing, Mahatma Gandhi University, Kottayam, India shall in no event be liable for any errors, omissions, disputes on intellectual property or any damages or loss whatsoever manner caused to any person, whether the purchaser of the book or not and disclaim any implied warranty or fitness for any particular use.

ISBN 978-93-80419-42-8

978-93-80419-42-8

Short Learning Objects for E-learning and MOOCs

As part of One Week Faculty Development Programme on "MOOCs and E-Content Development" organized by MOOC Programme Co-ordination Cell, Mahatma Gandhi University, in association with School of Computer Sciences, School of Pedagogical Sciences and University Centre for International Co-operation (UCIC) held during 04-08 February 2019.

Department of Printing and Publishing
Mahatma Gandhi University
Priyadarshini Hills, Kottayam,
Kerala, India

21	Malware *Sumaja Sadidharan*	136
22	History of Yoga *Dr. C.R. Harilakshmeendra Kumar*	143
23	What is Photosynthesis *Dr. Jane A. Luke*	151
24	Random Experiment *Dr. Dais George*	155
25	Antifreeze Proteins (AFP) *Dr. Indu C. Nair*	162
26	Basics of Innovation *Dr. Afsal E. M.*	167
27	Arrest *Sunil Kumar Cyriac*	173
28	Prehistoric Britain *Elena Sajan*	180
29	Meditation – The Real Dispute Redressal Mechanism *Dr. A.P. Rajeesh*	187

Malware

Sumaja Sasidharan[40]

Abstract: - Malware is a MALicious softWARE designed to damage or gain control to a computer and steal the data. A Malware can spread through social networks, internet downloads and emails. The first known example of a malware was Creeper Virus created by Robert Thomas, BBN Technologies in 1971 as an experimental self-replicating program. There different types of malware: viruses, Trojan horse, Worms, Spyware, Ransomware, Keylogger etc. A malware can infect not just Windows systems but Mac Computers, Tablets and Smartphones. To be safe from Malware attacks always practice safe browsing, use strong passwords and keep the antivirus updated. The first known example of malware was creeper virus created by Robert Thomas, BBN Technologies in 1971 as an experimental self-duplicating program.

Keywords: - Malware, ransomware, viruses

Introduction

In today's world where data privacy is of utmost importance, malwares are a major threat not just for big organizations but anyone who is an active computer user. Most of you might remember the wannacry ransomware attacks that happened in May 2017 that affected more than 300,000 computers across 150 countries resulting in a total damage of billions of dollars. A malware is a program or file that is designed to damage or gain control to a computer. Once installed, the attacker can spy your online activities or can use your system to attack others. A malware can spread through social networks, internet downloads and emails. "Malware stands for Malicious Software." Malware can infect not just Windows systems but Mac computers, tablets, smart phones.

Different Types of Malwares

a. Viruses

A computer virus is a self-replicating program. Once executed, replicates itself thereby corrupting the system and destroying the data

[40] Assistant Professor, SSV College, Valayanchirangara, Perumbavur.