

VALUE ADDED COURSES

ALAGAPPA UNIVERSITY (A State University Established in 1985) Accredited with A+ Grade by NAAC (CGPA 3.64) in the Third Cycle, Graded as Category-I University and Granted Autonomy by MHRD-UGC, MHRD-NIRF 2020 Rank: 36, QS 2020 India Rank: 24) KARAIKUDI-630003, Tamil Nadu, India	
Phone: 04565 223217	E-mail: disastermanagement@alagappauniversity.ac.in
DEPARTMENT OF DISASTER MANAGEMENT VALUE-ADDED COURSES	
CODE: 646VA2 INFORMATION TECHNOLOGY IN DISASTER MANAGEMENT 2023-2024	
Eligibility: Any Degree	Course Duration: 30 Hours
ABOUT THE DEPARTMENT <p>The Department of Disaster Management is a new Department established in the academic year 2019-20. The study of disaster management is a felt need of the hour as catastrophes are increasingly experienced due to climate change. The Department has developed cutting-edge teaching and research methods to provide theoretical and practical perspectives on disaster mitigation, preparedness, response and recovery.</p>	
COURSE OBJECTIVES <ol style="list-style-type: none">1) To reduce, or avoid the potential losses from hazards,2) To assure prompt and appropriate assistance to victims of disaster, and achieve rapid and effective recovery.3) In risk reduction, sensors, open satellite images and UAVs help local governments record real-time situation of land, rivers and critical infrastructure.4) Information from these tools would show vulnerability and risk.	
COURSE OUTCOME <p>The use of information technology in disaster management has become the central means for collecting, vetting, and distributing information. It also serves as the backbone for coordination and collaboration between response and recovery units as well as resource management tool.</p>	
Course Coordinator Dr. M. VASANTHAVIGAR Adjunct Faculty Department of Disaster Management Alagappa University, Karaikudi 630004 Contact: 9944401861	

646VA2

INFORMATION TECHNOLOGY IN DISASTER MANAGEMENT		Hours:30
Objectives	5) To reduce, or avoid the potential losses from hazards, 6) To assure prompt and appropriate assistance to victims of disaster, and achieve rapid and effective recovery. 7) In risk reduction, sensors, open satellite images and UAVs help local governments record real-time situation of land, rivers and critical infrastructure. 8) Information from these tools would show vulnerability and risk.	
Unit-I	PC: Introduction, Configuration, Operating system features and functions, Application programs and packages. Word Processing: Word Basic, Formatting text & documents, working with Header Footer, Tables, Macros, Toolbar, Mail merge. Excel: Spreadsheet, Range, Formulas, Functions, and Graphs. PowerPoint: -Powerpoint basics, creating Presentation, Working with Text, Graphs, Multimedia.	
Unit-III	Database: - Basic concept, Database system architecture, data models, relational model, relations, relation representation, SQL,	
Unit-III	Data Communication: - Computer Networks (LAN, MAN, WAN), Network Hardware, Reference Model, Network Topologies, Transmission mode, Transmission media (Guided, Unguided)	
Unit-IV	Working with HTML tags: - colors, Hyperlinks, Unordered Lists, Ordered Lists, Definition Lists, Marquee, Tables, Forms, Basic of Java scripts & VB script for interactive pages. Website Hosting, Email, Blogs, Forums.	
Unit-V	System Security: - Virus, Type of Virus, Antivirus, Firewall, E-Commerce: Understanding of E-Commerce, Generation of E-Commerce, Needs & Importance of E-commerce, Application of E-Commerce.	
Reference and textbooks		
1) Working with MS Office – Tata McGraw Hill. 2) Fundamental of Data base management system, Renu Vig, Ekta Walo, Indian Society of Technical Education. 3) Networking, Joseph R. Levy. 4) Mastering HTML 4.0 – Ray & Ray, BPB Publication.		
Outcomes	The use of information technology in disaster management has become the central means for collecting, vetting, and distributing information. It also serves as the backbone for coordination and collaboration between response and recovery units as well as resource management tool.	