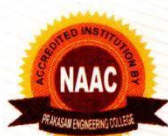




Department of ECE
Summary Sheet of VALUE ADD COURSES
ACADEMIC YEAR 2023-24

S. No	Name of the workshop/ Seminar/ Conference	Type of the Event	Resource Person Details	Number Of Participants	Course No	Date From-To
1	MOBILE COMPUTING	VALUE ADDED COURSE	DR . K SUBBA REDDY	95	2023-24/PEC/ECE/IVYEAR/VAC001	09-10-2023 to 14-10-2023
2	ETHICAL HACKING	VALUE ADDED COURSE	DR . K.V.SRINIVASA RAO	85	2023-24/PEC/ECE/IIIIYEAR/VAC002	21-08-2023 to 26-08-2023
3	CYBER ATTACK DETECTION AND PREVENTION SYSTEMS	VALUE ADDED COURSE	DR . K SUBBA REDDY	82	2023-24/PEC/ECE/IIYEAR/VAC003	06-11-2023 to 11-11-2023



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PRAKASAM
ENGINEERING COLLEGE

Department of ECE
BROCHERS of VALUE ADDED COURSES conducted in Academic year 2023-24

BROCHER

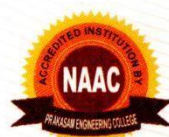
MOBILE COMPUTING 09-10-2023 to 14-10-2023

<p align="center">CHIEF PATRON Dr.K.Ramaiah Secretary & correspondent Prakasam Engineering college Kandukur</p> <p align="center">PATRON Dr.CH.Ravi Kumar M.Tech., Ph.D. Principal Prakasam Engineering college Kandukur</p> <p align="center">CONVENER Dr.G.SURESH M.Tech., Ph.D. Head of Department Department of Electronics and communication Engineering Prakasam Engineering college Kandukur</p> <p align="center">Co-Ordinator Mr. N.SRIHARI M.Tech. Assistant Professor</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <p>PRAKASAM ENGINEERING COLLEGE</p> <p><small>Approved by AICTE, New Delhi Affiliated to JNTU-Kakinada</small></p> </div> </div> <p align="center">Value Added Course on VAC001 – MOBILE COMPUTING 09-10-2023 to 14-10-2023</p> <p align="center">Organized by Electronics and communication Engineering.</p> <div align="center"> </div> <p align="center">venue: PEC-1/5 / SEMINAR-2 HALL</p> <p>For any details, please contact Course in-charge Mr. N.SRIHARI Assistant Professor 9640881781</p>
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<p align="center">COURSE OBJECTIVES</p> <ul style="list-style-type: none"> To understand the basic concepts of mobile computing. To learn the basics of mobile telecommunication system. To be familiar with the network layer protocols and Ad-Hoc networks. <p align="center">COURSE OUTCOMES (COS)</p> <p>Students in the course obtained the following outcomes:</p> <ul style="list-style-type: none"> Illustrate the generations of telecommunication systems in wireless networks <p>Determine the functionality of MAC, network layer and Identify a routing protocol for a given Ad hoc network Explain the functionality of Transport and Application layers</p> <p align="center">EMENANT SPEAKE DR . K SUBBA REDDY HOD of CAI Prakasam engineering college</p>	<p align="center">CONTENT</p> <ul style="list-style-type: none"> Introduction to Mobile Computing MAC Protocols Applications of Mobile Computing Generations of Mobile Communication Technologies MOBILE TELECOMMUNICATION SYSTEM Introduction to Cellular Systems – GSM – Services Architecture – Protocols – Connection Establishment Frequency Allocation – Routing – Mobility GPRS- UMTS – Architecture – Handover – Security. MOBILE NETWORK LAYER 9 Mobile IP – DHCP AdHoc– Proactive protocol-DSDV, Reactive Routing Protocols DSR, AODV, Hybrid routing –ZRP, Multicast Routing- ODMRP, Vehicular Ad Hoc networks (VANET) MOBILE TRANSPORT AND APPLICATION LAYER Commercial Mobile Operating Systems ne Software Development Kit: iOS, Windows Phone – MCommerce Structure – Pros & Cons Mobile Payment System – Security Issues.
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ENGINEERING COLLEGE

BROCHER ETHICAL HACKING 21-08-2023 to 26-08-2023

CHIEF PATRON

Dr.K.Ramaiah
Secretary & correspondent
Prakasam Engineering college Kandukur

PATRON

Dr.CH.Ravi Kumar M.Tech., Ph.D.
Principal
Prakasam Engineering college Kandukur

CONVENER

Dr.G.SURESH M.Tech., Ph.D.
Head of Department
Department of Electronics and communication Engineering
Prakasam Engineering college Kandukur

Co-Ordinator

Mr. SK.Masthan vali M.Tech.
Assistant Professor



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Value Added Course
ON
VAC001 – ETHICAL HACKING
21-08-2023 to 26-08-2023

Organized by
Electronics and communication Engineering.



venue:PEC-1/5 /SEMINAR-2 HALL

For any details, please contact
Course in-charge
Mr.SK.Masthan vali
Assistant Professor
8121813171

COURSE OBJECTIVES

To understand the basic concepts of mobile computing.

- Learn aspects of security, importance of data gathering, foot printing and system hacking.
- Learn tools and techniques to carry out a penetration testing.

COURSE OUTCOMES (COS)

Students in the course obtained the following outcomes:

- Explain aspects of security, importance of data gathering, foot printing and system hacking.
- Explain aspects of security, importance of data gathering, foot printing and system hacking.

EMENANT SPEAKE

DR K.V.SRINIVASA RAO
CSE department , PROFESSOR
Prakasam engineering college

CONTENT

- > Casing the Establishment , What is foot printing, Internet Foot printing
- > Scanning, Enumeration, basic banner grabbing
- > Common Network services. Case study: Network Security Monitoring, Enumerating
- > Securing permission: Securing file and folder permission Remote access,
- > Using the encrypting file system, Securing registry permissions
- > Securing service: Managing service permission
- > Default services in windows 2000 and windows XP, Unix: The Quest for Root.Remote Access vs Local access
- > Local access, After hacking root.Dial-up, PBX, Voicemail and VPN hacking
- > Preparing to dial up, War-Dialing – BruteForce Scripting PBX hackingVoice mail hacking, VPN
- > Network Devices: Discovery Autonomous System Lookup, Public Newsgroups, Service Detection
- > Remote Control Insecurities, Discovering Remote Control Software,Connection Weakness .VNC, Microsoft Terminal Server and Citrix ICA, Advanced Techniques Session Hijacking
- > Back Doors, Trojans, Cryptography, Subverting the systems Environment, Social Engineering,





BROCHER

CYBER ATTACK DETECTION AND PREVENTION SYSTEMS 06-11-2023 to 11-11-2023

CHIEF PATRON

Dr.K.Ramaiah

Secretary & Correspondent
Prakasam Engineering College Kandukur

PATRON

Dr.Ch.Ravi Kumar M.Tech., Ph.D.

Principal
Prakasam Engineering College Kandukur

CONVENER

Dr. G.SURESH M.Tech., Ph.D.

Head of the Department Electronics and communication Engineering
Prakasam Engineering College Kandukur

Co-Ordinator

Mr.N.SRIHARI M.Tech.

Assistant Professor.



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Value Added Course

on

VAC003 – CYBER ATTACK DETECTION AND PREVENTION SYSTEMS

06-11-2023 to 11-11-2023

Organized by

Department of Electronics and communication Engineering



Venue : B2/F2/13/SEMINAR HALL - 1

For any details, Please contact

Course in-charge
Mr.N.Srihari M.Tech

Assistant Professor
9640881781

COURSE OBJECTIVES

- To understand the intrusion detection and prevention technologies, various types of network behavior analysis.

COURSE OUTCOMES (COS)

- To understand the intrusion detection and prevention technologies, various types of network behavior analysis.
- To understand the honeypots, multiple IDS methods, tools to analyze various types of attacks like wireless attacks and their detection.
- To understand the attack source and also provides practical knowledge for dealing with intrusions in real world applications.

EMENANT SPEAKER

Dr.K.SUBBAREDDY M.Tech.Phd
HOD & Professor of CSAI
Prakasam Engineering College

CONTENT

- Introduction to IDPS IDPS Technologies, Components**
Architecture Implementation Uses of IDPS
Key Functions, Common Detection Methodologies Signature
- Anomaly and Stateful
- Protocol Analysis , Types of IDPS Technologies
- Host and Network IDPS 4 hours Application
- Transport, Network and Hardware Layer attacks
- Sniffing Network Traffic, Replay Attacks, Command Injection, Internet Control Message Protocol Redirect, DDoS, Dangers and defenses with Man-in-the Middle, Secure Socket Layer attacks, DNS Spoofing, Defense- in-Depth Approach,
- Port Security, Use Encrypted Protocols Network Behaviour Analysis Components and Architecture Typical, Realistic Environment Network Architecture, Sensor Locations. Honeynets- Gen I, II and III, Honey mole
Detecting the Attack – Intrusion Detection, Network Traffic
- Capture, Monitoring on the box .Setting up the Wireless IDPS 5 Hours
WLAN Standards,WEP Attacks, Attacks, Bluetooth Attacks,
- Attacks, on, Jailbreaking. Attacks, on, Jailbreaking.



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