ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to JNTUK, Kakinada * Approved by AICTE, New Delhi * Accredited by NAAC
Recognized by UGC Under section 2(f) and 12 (B) of UGC Act 1956
ADB ROAD, ADITYA NAGARA, SURAMPALEM-533437

Department of Electronics & communication Engineering

Date: 03.07.2019.

To
The principal
Aditya College of Engineering & Technology
Surampalem

Respected sir,

[Through Head of the Department]

Sub: Request for your approval to organize a certification course on "CCENT" – reg.

It's our greatest pleasure to bring to your kind notice that, we the Department of Electronics & communication Engineering would like to train our B.Techstudents in the **CCENT**adapted initially, with the help of our staff; as the present scenario networking is more helpful andstrengthen the software development and dataanalytics. It will be more helpful to the students in theoretical and technical point of view. In this regard we are requesting your permission for further proceedings.

Resource Person	:	Mr. K Viveka, PEC
Honorarium	:	Rs. 15000/-

Course Coordinator

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM- 533 437

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Department of Electronics & communication Engineering

Date: 05.07.2019

CIRCULAR

All the B.Tech students are here by informed that a one-week program is arranged to enhance the knowledge on**CCENT,** as per the schedule from 19th August,2019. All interested students can attend the program and utilize the opportunity. The schedule is attached.

Course Coordinator: Mr. J Surendra Nath
+91 8099857780

Head of the Department

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CCENTSyllabus

1. Introduction to TCP/IP Networking, Fundamentals of Ethernet LANs, Fundamentals of WANs
2. Fundamentals of IPv4 Addressing and Routing, Fundamentals of TCP/IP Transport Applications
3. Using the Command Line Interface, Analyzing Ethernet LAN Switching, Configuring Basic Switch Management, Configuring Switch Interfaces,
4. Analyzing Ethernet LAN Designs, Implementing Ethernet Virtual LANs, Troubleshooting Ethernet LANs, Perspectives on IPv4
5. Subnetting, Analyzing Classful IPv4 Networks, Analyzing Subnet Masks,Analyzing Existing Subnets
6. Operating Cisco Routers, Configuring IPv4 Addresses and Static Routes, Learning IPv4 Routes with RIPv2, DHCP and IP Networking on Hosts,
7. Subnet Design, Variable Length Subnet Masks, IPv4 Troubleshooting Tools, Troubleshooting IPv4 Routing, Basic IPv4 Access Control Lists,Advanced IPv4 ACLs and Device Security,
8. Network Address Translation, Fundamentals of IPv6, IPv6 Addressing and Subnetting, Implementing IPv6 Addressing on Routers, Implementing IPv6 Addressing on Hosts, Implementing IPv6 Routing,
9. Device Management Protocols, Device Security Features, Managing IOS Files,IOS License Management

Course Coordinator

Head of the Department

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Schedule of CCENT:

Day-1:

FN Inauguration of the Program and speakers talk about the objectives of the event

AN Introduction to TCP/IP Networking, Fundamentals of Ethernet LANs, Fundamentals of WANs

Day-2:

FN Fundamentals of IPv4 Addressing and Routing, Fundamentals of TCP/IP Transport Applications

AN Using the Command Line Interface, Analyzing Ethernet LAN Switching, Configuring Basic Switch Management, Configuring Switch Interfaces

Day-3:

FN Analyzing Ethernet LAN Designs, Implementing Ethernet Virtual LANs, Troubleshooting Ethernet LANs, Perspectives on IPv4

AN Subnetting, Analyzing Classful IPv4 Networks, Analyzing Subnet Masks, Analyzing Existing Subnets

Day-4:

FN Operating Cisco Routers, Configuring IPv4 Addresses and Static Routes, Learning IPv4 Routes with RIPv2, DHCP and IP Networking on Hosts,

AN Subnet Design, Variable Length Subnet Masks, IPv4 Troubleshooting Tools, Troubleshooting IPv4 Routing, Basic IPv4 Access Control Lists, Advanced IPv4 ACLs and Device Security

Day-5:

FN Network Address Translation, Fundamentals of IPv6, IPv6 Addressing and Subnetting, Implementing IPv6

AN Addressing on Routers, Implementing IPv6 Addressing on Hosts, Implementing IPv6 Routing,

Day-6:

FN Device Management Protocols, Device Security Features, Managing IOS Files, IOS License Management

AN Valedictory

Course Coordinator **Head of the Department**

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