IEEE COMMUNICATION SOCIETY STUDENT' SCHAPTER

Department Name   : ECE

Event Date(s)   : 22/12/2023 and 23/12/2023

Event Time   : 9.30 am to 5.20 pm

Event Name   : **Understanding of Routing and Switching Concepts in Data Communication and Networking Using Cisco Packet Tracer**

Event Category   : Workshop

Event Objective   : To Train the students on Routing and Switching Concepts in Data Communication and Networking Using Cisco Packet Tracer

Event Venue / Room No.   : R106

Faculty Coordinator EMP.ID : 4621

Faculty Coordinator Name   : Dr.M.Sujatha, Professor, ECE

Faculty Coordinator Email-ID: sujakarthik77@kluniversity.in

The Communication Systems Research Group, Department of ECE has organized Two days hands on Workshop on **"Understanding of Routing and Switching Concepts in Data Communication and Networking Using Cisco Packet Tracer"** sponsored by IEEE Comm SoC Student Chapter, Guntur Section on 22/12/2023 and 23/12/2023.

Resource Persons
All the lecture/hands-on sessions delivered by experienced Cisco Trained Instructors

- **Dr V Jayaprakasan**,
  Professor/ECE, SNIST, Hyderabad – Cisco Trained Instructor, Since 2006
- **Dr C Kumar**
  Associate Professor, MITS, Madanapalli, AP – Cisco Trained Instructor, Since 2010

Convener:
  Dr.M.Sujatha, Professor, ECE,IEEE COMMSOC Faculty Advisor, KLEF
Co-Convener
  Dr.R.Revathi, Associate Professor, ECE, KLEF

Electronics & Communication Engineering

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TWO DAYS HANDS-ON WORKSHOP ON

UNDERSTANDING OF ROUTING AND SWITCHING CONCEPTS IN DATA COMMUNICATION AND NETWORKING USING CISCO PACKET TRACER

22nd – 23rd December, 2023

Dear All,

For your information that,

In the present scenario, without devices; *imagine your life...*

With a single device **(Mobile Phone)** all are enjoying multimedia communications, which comprises different standards and technology. As an Engineering Graduate, the students have to understand how those devices are working, how they are exchanging data between them and communicating between them, what are the technologies (protocols) behind that, different addressing concepts involved and so on...

... All these questions are addressed by this workshop with Hands-on Practice

About Workshop

- The aim of this workshop is to deliver the fundamental concepts of Routing and Switching concepts in Data Communication and Networking.
- Computer networks allow the user to access remote programs and remote databases either of the same organization or from other enterprises or public sources. Computer networks provide communication possibilities faster than other facilities.
- This workshop briefly expounds the booming expertise of Communication & Networking and interconnection of network nodes with simulation.
- To introduce IEEE standard employed in Networking.
- To make students familiarized with different protocols, network components and their functionalities.
- Hands-on labs and Cisco Packet Tracer simulation-based learning activities help students develop critical thinking and complex problem-solving skills.
- Upon completion of this workshop, the students will gain comprehensive understanding of Role of Intermediate devices (Switches and Routers) and their functions in layered structure with different layers of protocols in Packet Tracer simulation.

Program Schedule

Session Timings	Topics Covered
Day -1	
10.00 to 11.20 AM	Wired and Wireless Communication – A Closer Look
11.30 to 01.00 PM	Overview about OSI Model & TCP/IP Model
02.00 to 03.20 PM	Addressing Concepts used in Data Communication and Networking – A Closer Look
03.30 to 04.15 PM	Functions of Intermediate Devices (Switches and Routers) in Data Communication and Networking - A Closer Look
Day -2	
10.00 to 11.20 AM	Introduction about Cisco Packet Tracer and Build a LAN & WAN Network – Hands-on Session
11.30 to 01.00 PM	Overview about Static and Dynamic Routing Protocols and their Concepts – A Closer Look Hands-on Session
02.00 to 03.20 PM	Build a LAN & WAN Network and realize the functions of Switches and Routers as Intermediate devices – Hands-on Session
03.30 to 04.30 PM	Build a LAN & WAN Network and realize the functions of Switches and Routers as Intermediate devices – Hands-on Session

About Cisco Packet Tracer

- Cisco Packet Tracer is a powerful network simulation Tool that allows students to experiment with network behavior and ask "what if" questions. As an integral part of the Networking Academy™ comprehensive learning experience, Packet Tracer provides simulation, visualization, and authoring, assessment, and collaboration capabilities and facilitates the teaching and learning of complex technology concepts.

- Packet Tracer (PT) activities help students analyze protocol and network operation and build small networks in a simulated environment. At the end of the workshop, students build simple LAN topologies by applying basic principles of cabling; performing basic configurations of network devices, including routers and switches; and implementing IP addressing schemes.

Resource Persons : All the lecture/hands-on sessions will be delivered by experienced Cisco Trained Instructors

Dr. V. JAYAPRAKASAN
Professor/ECE, SNIST, Hyderabad,
Treasurer - IEEE Hyderabad Section,
Cisco Trained Instructor, Since 2006.

TAMILKUMARAN V
Manager, Cloud and Cybersecurity Services,
Tata Communications, Chennai.

Dr. C. KUMAR
Associate Professor, MITS, Madanapalli,
Treasurer - IEEE ComSoc, Hyderabad Section,
SSAP – Cisco Trained Instructor, Since 2010.

Registration:

Registration Fees	Students from KLU	Students from Other Institutions
IEEE + IEEE COMSOC	150/-	300/-
IEEE Member	200/-	400/-
Non–IEEE Member	300/-	600/-

Organized by
Communication Systems Research Group
In association with
IEEE ComSoc Student Chapter, KLEF
Department of Electronics and Communication Engineering
(DST - FIST Sponsored Department)

REGISTRATION Link : https://me-qr.com/mKbOsGxZ

The registration fee can be paid to the below account through netbanking
Bank Account Details:
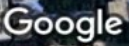
Account Number	: **62162868914**
Account Name	: **IEEE STUDENT BRANCH KLEF**
Bank Name	: **STATE BANK OF INDIA**
Branch	: **KL University, VADDESWARAM**
IFSC Code	: **SBIN0021361**

Program Chair :	Research Group Head:	Program Convenors :	Coordinators :	For Details Contact:
Dr. M. Suman ProfessorHOD, ECE, KLEF	Dr. D. V. Ratnam Prof. & Head (Research), ECE	Dr. M. Sujatha Professor and Faculty Advisor, IEEE ComSoc Student Chapter, KLEF	Dr. Lakshman Pappula Assoc. Professor, ECE, KLEF	Dr. M. Sujatha +91 - 9941353997 sujakarthik77@kluniversity.in
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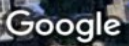Lat 16.441137°
Long 80.623611°
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S.No	Register Number	Dept	Name of the Student	Signature
1	2100030179	CSE	Gorijavolu Chakradhar	
2	2100030247	CSE	Katta Harsha Vardhan	
3	2100040004	ECE	A.Vinod	
4	2100040027	ECE	saketh kumar.p	
5	2100040028	ECE	P.Sree Nikitha Reddy	
6	2100040029	ECE	R. Lakshmi Namratha	
7	2100040049	ECE	B.LOKESH REDDY	
8	2100040122	ECE	S.S.S.K.Greeshma	
9	2100040124	ECE	Karakambaku Chetan Kumar Reddy	
10	2100040172	ECE	SHAIK FAYAZ AHMED	
11	2100040207	ECE	Y.Nandinireddy	
12	2100040313	ECE	KOLAR ROHINI	
13	2100040374	ECE	ABBURI NAGA VENKATA HARSHITA	
14	2100049086	ECE	ANEEF AHMAD SHAIK	
15	2100049087	ECE	VALIVETI VENKATA KRISHNA SAI	
16	2200030001	CSE	SAI KIRAN	
17	2200030050	CSE	Sai Sanjay Avuthu	
18	2200030089	CSE	LINGAM V V S N MANASVINEE	
19	2200030110	CSE	Indukuri Aashritha	
20	2200030111	CSE	Thanmayie potti	
21	2200030333	CSE	T R Mahathi	
22	2200030405	CSE	Pamarthi Hema Varshitha	
23	2200030479	CSE	Shaik Sadiya	
24	2200030547	CSE	Neeraj Sampath Venkata Mahalakshmi	
25	2200030610	CSE	M.Vinay Kumar	
26	2200030645	CSE	REDDEM HARISH REDDY	
27	2200030730	CSE	Nallajarla Sri Venkata Sai Krishna	
28	2200030868	CSE	Bimini Harsha Tarun	
29	2200030883	CSE	Rishitha Garikipati	
30	2200030907	CSE	M Venkata Sai Vamshi	
31	2200030936	CSE	VENKATA NAGA SAI KAUSIK	
32	2200031247	CSE	Lopinti Gnaneswar	
33	2200031338	CSE	P. Kavya Sree	
34	2200031641	CSE	Ala Gowtham Siva Kumar	
35	2200031685	CSE	Adiraju hrulekha	
36	2200031706	CSE	VADDADI SURYA CHARAN	
37	2200031729	CSE	Varanasi sai sree swetha	
38	2200032004	CSE	L. Sathwik Reddy	
39	2200032319	CSE	T.SINDHU	
40	2200032322	CSE	M.Hasmitha	
41	2200032443	CSE	harsha navuluri	
42	2200032529	CSE	V sumadhar	
43	2200032545	CSE	M. Aditya Naidu	
44	2200032572	CSE	BALI PRATHIMA	

45	2200032608	CSE	PENDEM SRIPAADA	
46	2200032708	CSE	Shrinath Munagapati	
47	2200032929	CSE	Nutulapati Anil Chandra Madhav	
48	2200032973	CSE	MANNAVA KAMAL	
49	2200033307	CSE	Abdiaziz Hassan Ibrahim	
50	2200039015	CSE	CHALLA A J S K SAI SUMANTH	
51	2200039028	CSE	CHINTADA SANTHOSH KUMAR	
52	2200039040	CSE	BODDULA LAKSHMI NARAYANA	
53	2200039063	CSE	SATYA SAI PHANI TRINADH	
54	2200040020	ECE	M Prema Sai Sri Ramya	
55	2200040021	ECE	P.Sri Likhitha	
56	2200040191	ECE	Harshitha.CH	
57	2200040275	ECE	CHANDA ROHIT THIRUMALA	
58	2200040277	ECE	Undavalli. Lalitha Sindhuri	
59	2200040300	ECE	Seelam manikanta	
60	2200040323	ECE	yashwanth	
61	2200040359	ECE	P. SIDDHI CHANDRIKA	
62	2200049001	ECE	M.SRAVAN KUMAR CHOWDARY	
63	2200049009	ECE	Karnapp Prerna	
64	2200049011	ECE	Akash	
65	2200049012	ECE	P.chandu	
66	2200049035	ECE	SHAIK CHAHAT MUZASIM	
67	2200049050	ECE	B Mounika	
68	2200049051	ECE	K.Vijayasai	
69	2200049052	ECE	Chamana. Prema sai manjusha	
70	2200049055	ECE	CHITUMADUGULA RAJA SRIMANTH	
71	2200049060	ECE	D.Revanth	
72	2200049063	ECE	TANNERU DHANUNJAYA RAO	
73	2200049101	ECE	Gorantla Rahul	
74	2200049102	ECE	DONDAPATI AVINASH	
75	2200049113	ECE	K.THARUN KUMAR	
76	2200049115	ECE	Poli Samatha	
77	2200049143	ECE	K RANGA NITHEESH KUMAR REDDY	
78	2200049148	ECE	S JAGADEESWAR	
79	2200049156	ECE	P PATTABIRAM	
80	2200049170	ECE	N.varalakshmi	
81	2200080002	AIDS	DEVESWAR SATYANARAYAN	
82	2200080003	AIDS	Gella Harsha Vardhan	
83	2200080004	AIDS	Devisetti Prudhvi Raj	
84	2200080024	AIDS	Meher Srikari Vankayala	
85	2200080026	AIDS	KADIYALA JOSHITA	
86	2200080031	AIDS	VEDANGI MANI SRIKAR	
87	2200080092	AIDS	NEKKALAPU SHANMUKHA SURYATEJA	
88	2200080105	AIDS	BYRRAJU VISHNU VARDHAN VARMA	
89	2200080106	AIDS	CHATRATHI SAI SURAJ	
90	2200080108	AIDS	GONNABATHULA SUBRAHMANYAM	

91	2200080121	AIDS	GOKAVARAPU VENKATESH	
92	2200080131	AIDS	Kakani Lahari	
93	2200080151	AIDS	CHALLAGULLA DIMPLE HARSHITHA	
94	2200080153	AIDS	Arumilli Tejaswini	
95	2200089021	AIDS	Ch.Yaswanth Sai	
96	2200100016	IOT	G Hemanth Reddy	
97	2200100028	IOT	PEDABALLI. VISHNU VARDHAN REDDY	
98	2200100047	IOT	VIDHYADHARA RAO KOTAGIRI	
99	2200100052	IOT	V Vamsi Krishna	
100	2200100069	IOT	ROHAN IMMIDICHETTY	

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