

communication System II

AY: 2022-23

Topics for project based assignment as part of CTA
V semester 'B' division students

S. No.	USN	Topic	Sign
1	2SD20EC019	ASK modulation and demodulation using MATLAB (coherent) done	Aravind
2	2SD20EC046		Aravind
3	2SD20EC111		Aravind
4	2SD20EC112		Aravind
5	2SD20EC082	PSK modulation and demodulation using MATLAB done	Aravind
6	2SD20EC016		Aravind
7	2SD20EC088		Aravind
8	2SD20EC103		Aravind
9	2SD21EC413	FSK Modulation and Demodulation using MATLAB. done	Aravind
10	2SD21EC410		Aravind
11	2SD21EC406		Aravind
12	2SD21EC408		Aravind
13	2SD20EC071	Quadrature phase shift keying using MATLAB done	Aravind
14	2SD20EC037		Aravind
15	2SD20EC101		Aravind
16	2SD20EC90		Aravind
17	2SD20EC93	pulse width modulation.	Aravind
18	2SD20EC23	Binary shift keying using done Matlab.	Aravind
19	2SD21EC404		Aravind
20	2SD20EC074	FSK Modulation & Demodulation using MATLAB. done	Aravind
21	2SD20EC022		Aravind
22	2SD20EC065		Aravind
23	2SD20EC068	PSK Modulation & Demodulation using MATLAB. done	Aravind
24	2SD20EC050		Aravind
25	2SD20EC091		Aravind

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Topics for project based assignment as part of CIA
V semester 'B' division students

S. No.	USN	Topic	Sign
26	2SD20EC081	} PSK uti med ^{cross check}	Sadhu
27	2SD20EC096		(P)
28	2SD20EC061	} correlative coding using C ^{done}	rits
29	2SD20EC051		Isa
30	2SD20EC087		india
31	2SD20EC094	} FSK generation and demodulation ^{done} using MATLAB	Pooja
32	2SD20EC105		Shubh
33	2SD20EC121		Sh
34	2SD20EC008	} QPSK generation & demodulation ^{done} using Matlab	Sh
35	2SD20EC019		Sh
36	2SD20EC049		Sh
37	2SD20EC110		Sh
38	2SD20EC009	} FSK generation & detection using ^{done} Matlab	Shubh
39	2SD20EC106		Sh
40	2SD20EC107		Shubh
41	2SD20EC120	} PSK generation & detection using Matlab ^{done}	Shubh
42	2SD20EC092		Sh
43	2SD20EC025		Sh
44	2SD20EC031		Sh
45	2SD20EC005	} ASK modulation & demodulation ^{done} using MATLAB	Sh
46	2SD20EC010		Sh
47	2SD20EC043		Sh
48	2SD20EC058	} QPSK generation & demodulation ^{done} using MATLAB	Naman
49	2SD20EC030		Sh
50	2SD20EC029		Shubh

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Topics for project based assignment as part of CTA
V semester 'B' division students

S. No.	USN	Topic	Sign
26	2SD20EC081	FSK tti mod prev. sheet	Sanku
27	2SD20EC096		Ⓟ
28	2SD20EC061	correlative coding using C	Nitesh
29	2SD20EC051		lab
30	2SD20EC087	FSK ^{done} generation and demodulation	sandeep
31	2SD20EC094		Surya
32	2SD20EC105		Shubh
33	2SD20EC121		Kk
34	2SD20EC008	QPSK ^{done} generation & demodulation	Ⓟ
35	2SD20EC014		Ⓟ
36	2SD20EC049		Ⓟ
37	2SD20EC110	using Matlab	Ⓟ
38	2SD20EC009	FSK ^{done} generation & detection using Matlab	Prasanna
39	2SD20EC106		Ⓟ
40	2SD20EC107		Srinath
41	2SD20EC120	PSK ^{done} generation & detection using Matlab	hary
42	2SD20EC092		Sulbha
43	2SD20EC025		Ⓟ
44	2SD20EC031		CP
45	2SD20EC005	ASK ^{done} modulation & demodulation	Ⓟ
46	2SD20EC010		Ⓟ
47	2SD20EC043		T. Anupam
48	2SD20EC058	QPSK ^{done} generation & demodulation	Naman
49	2SD20EC030		Ⓟ
50	2SD20EC029	using MATLAB	Ⓟ

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Academic Year 2022-23

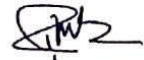
Computer Communication Networks (18UECC701)

Assignment for CTA

Course Instructor: Raghuram K M

1. With necessary diagrams, explain the Mesh topology, Star topology, Bus topology, Ring topology and Hybrid topology. List the advantages and drawbacks of each.
2. Explain the responsibilities of Physical Layer, Data link layer, Network Layer and Transport Layer.
3. With necessary diagrams, explain the Fixed Size framing and Variable Size framing. Explain Bit oriented and Character oriented protocols in framing.
4. With necessary diagrams, pseudo code and an example, explain the sliding window protocol with Go Back N ARQ.
5. With necessary diagrams and flow charts, explain the CSMA/CD protocol of Random Access.
6. With necessary diagrams, explain the token passing method of Controlled Access.
7. With necessary diagrams, explain the TDMA and FDMA methods of Channelization.
8. With necessary diagrams, explain the four physical layer implementations of Standard Ethernet.
9. With necessary diagrams, explain Bridged Ethernet, Switched Ethernet and Full Duplex Ethernet.
10. With necessary diagrams, explain the Basic Service Set and Extended Service Set in Wireless LAN.
11. With necessary diagrams, explain the Hidden Station Problem and Exposed Station problems in Wireless Networks.
12. With necessary diagrams, explain the architecture of Bluetooth.
13. Explain the features of Classful addressing and Classless addressing in IPv4.
14. With necessary diagrams, explain the concept of Network Address Translation.
15. With necessary diagrams, explain the forwarding techniques to make the size of the routing table manageable. Write a note on forwarding process.
16. With necessary diagrams and example, explain the Shortest Path algorithm for routing.

Note: Last Date for Submission is 20/12/2022. Assignment will not be submitted after the last date.


Raghuram K.M.