### DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore-560111 Department of Computer Application-BCA

Date: 29/02/2019

### Add-on Course On Computer Networks

This is to notify that department of Computer Application is offering add-on course on Computer Networks for  $1^{st}$  sem BCA Students from 15/03/2019.

Register yourself before 10/03/2019.

Course Incharge

Dr. Kumadavalli M V

Prof. Hemanth Uppala

### DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore-560111 Department of Computer Application- BCA Computer Networks Course

Date: 29/02/2019

### TIME TABLE

The department of Computer Application is conducting add on course on Computer Networks and the course is going to start from 15/03/2019 - 30/04/2019. The course will be engaged from Monday – Friday , 4.00-5.00 pm.

Course Incharge

Dr. Kumudavalli M V

Prof. Hemanth Uppala

### DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore-560111 Department of Computer Application- BCA Computer Networks – ADD ON COURSE

Date: 29/02/2019

List of Students Enrolled

Sl No	Name	Reg.No.				
1.	AAYUSH SHRESTHA	19CQSB7001				
2.	ABHINAV SINGH	19CQSB7002				
3.	ADARSH UNNI	19CQSB700				
4.	ANIKA SHREYA SHETTIGAR	19CQSB7008				
5.	ASHISH V	19CQSB7012				
6.	DHANUSH S	19CQSB7024				
7.	DRUVANTH A R	19CQSB7028				
8.	GOKULIN	19CQSB7032				
9.	IPSITA DAS	19CQSB7036				
10.	KARTHIKEYAN S	19CQSB7041				
11.	KSHITIJ KUMAR	19CQSB7044				
12.	MALI REDDY PAVANI	19CQSB7048				
13.	MOHAMED MAZHAR	19CQSB7056				
14.	NEHA B GANGULI	19CQSB7063				
15.	PRADEEP KUMAR	19CQSB7071				
16.	R ARJUN	19CQSB7076				
17.	RAHUL SALARIA	19CQSB7082				
18.	SHASHI KIRAN M	19CQSB7091				
19.	SOJITRA JEET NITINBHAI	19CQSB7095				
20.	TANAMI D	19CQSB7100				
21.	VENU S	19CQSB7107				
22.	VISHNU G YADAV	19CQSB7114				
23.	SINCHANA V	196MSB7117				

Course Incharge
Dr. Kumudavalli M V

Prof. Hemanth Uppala

### DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore-560111 Department of Computer Application- BCA Computer Networks - SYLLABUS

### COURSE OVERVIEW:

The course introduces main concepts of networking; application areas; classification; reference models; transmission environment; technologies; routing algorithms; IP, UDP and TCP protocols; reliable data transferring methods; application protocols; network security; management systems; perspectives of communication networks. The course structure consists of lectures, tutorials, laboratory works in computer classroom and individual work.

INTRODUCTION: Network applications, network hardware, network software, reference models: OSI,

TCP/IP, Internet, Connection oriented network - X.25, frame relay. THE PHYSICAL LAYER: Theoretical basis for communication, guided transmission media, wireless transmission, the public switched telephone networks, mobile telephone system.

THE DATA LINK LAYER: Design issues, error detection and correction, elementary data link protocols, sliding window protocols, example data link protocols - HDLC, the data link layer in the internet. THE MEDIUM ACCESS SUBLAYER: Channel allocations problem, multiple access protocols, Ethernet, Data Link Layer switching, Wireless LAN, Broadband Wireless, Bluetooth

### REFERENCE BOOKS:

- 1. Behrouz A. Forouzan (2006), Data communication and Networking, 4th Edition, Mc Graw-Hill, India.
- 2. Kurose, Ross (2010), Computer Networking: A top down approach, Pearson Education, India.

Department of Computer Applications - BCA SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT, BANGALORE-560078 DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE

### CERTIFICATE OF COMPLETION **ADD ON COURSE**

This is presented to

AAYUSH SHRESTHA - 19CQSB7001

for successfully completing 30 hours of Computer Networks course during March-April 2019

Prof.Hemant\uppala, HOD -BCA , DSCASC

SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT, BANGALORE-560078 Department of Computer Applications - BCA DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE ADD ON COURSE

CERTIFICATE OF COMPLETION

This is presented to

ADARSH UNNI - 19CQSB7005

for successfully completing 30 hours of Computer Networks course during March-April 2019

Prof.Hemant Uppala, HOD -BCA DSCASC

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Department of Computer Applications - BCA SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT, BANGALORE-560078 DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE ADD ON COURSE

CERTIFICATE OF COMPLETION

This is presented to

ASHISH V - 19CQSB7012

for successfully completing 30 hours of Computer Networks course during March-April 2019

Prof.Hement Uppala, HOD -BCA , DSCASC

SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT, BANGALORE-560078 Department of Computer Applications - BCA DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE

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### OTIEICATE OF COMBLETI

### CERTIFICATE OF COMPLETION

This is presented to

DHANUSH S - 19CQSB7024

for successfully completing 30 hours of Computer Networks course during March-April 2019

Prof.Hemant Uppala, HOD -BCA DSCASC

SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT, BANGALORE-560078 Department of Computer Applications - BCA -DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE **ADD ON COURSE** 

CERTIFICATE OF COMPLETION

This is presented to

DRUVANTH A R - 19CQSB7028

for successfully completing 30 hours of Computer Networks course during March-April 2019

Prof.Hemant Uppala, HOD -BCA , DSCASC

DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE Department of Computer Applications - BCA SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT, BANGALORE-560078 **ADD ON COURSE** 

# CERTIFICATE OF COMPLETION

This is presented to

IPSITA DAS - 19CQSB7036

for successfully completing 30 hours of Computer Networks course during March-April 2019

Prof.Hemant Uppala, HOD -BCA , DSCASC

SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT, BANGALORE-560078 Department of Computer Applications - BCA DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE ADD ON COURSE

## CERTIFICATE OF COMPLETION

This is presented to

R ARJUN - 19CQSB7076

for successfully completing 30 hours of Computer Networks course during March-April 2019

Prof.Hemant Uppala, HOD -BCA , DSCASC

SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT, BANGALORE-560078 DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE Department of Computer Applications - BCA

CERTIFICATE OF COMPLETION ADD ON COURSE

This is presented to

TANAMI D - 19CQSB7100

for successfully completing 30 hours of Computer Networks course during March-April 2019

Prof.Hemork uppala, HOD -BCA , DSCASC

### DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore-560111 Department of Computer Application- BCA Computer Networks - Attendance

	Dated: 15/03/2019 - :	30/04/2019	_				_								П	П	T		П			T	T								1	
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2	ABHINAV SINGH	19CQSB7002	P	P	P	P	A	P	-	P	P	P		-	P	P	8	P	P	P	-	_	-		_	-	-	-	P	A	P 6	>
3	ADARSH UNNI	19CQSB7005	P	P	4	A	P	P	P	P	P	P	P	-	-		-	-	-	-	,	-	-		-	_	P	A	P	P	P	0
4	ANIKA SHREYA SHETTIGAR	19CQSB7008	P	P	P	P	P	A	P	P	P	_	P	-		P	P	P		_	P	P	P	A		P		P		-	A	P
5	ASHISH V	19CQSB7012	P	P	P	P	P	A	-	P	P	P	A	,	-	-	-	P	PA	P	P	P	-		P	P	P	P	P	P	P	A
6	DHANUSH S	19CQSB7024	P	P	P	P	P	P	P	P	P	P	A	P	P	P	2		-		P	-	-	_	P	-		P	P	P	P	P
7	DRUVANTH A R	19CQSB7028	p	P	P	P	P	P	A	P	P	P	P	P	P	•	-	P	P	A	P	D	-	P	-	A	-	P	P	-	P	P
8	GOKUL J N	19CQSB7032	P	P	P	P	P	P	P	A	9	P	P	P	P	-	-	PA	P	P	P	P	-	P	-	-	-	•	-	-		P
9	IPSITA DAS	19CQSB7036	1	P	P	P	A	P	P	P	P	P	P		P	P	•	P			-	p	P	P	-+	-	P	P	A	-	-	P
10	KARTHIKEYAN S	19CQSB7041	P	7	P	P	A	P	P	P	A	P	P	P	P		P		P	P	3	D	7	D	P	A	-	P	A	-		A
11	KSHITIJ KUMAR	19CQSB7044	P	P	P	P	P	A	P	P	P	P	,	P	-	A	P	P	0	-	9	P	A	P	P	P	P	P	-	-	P	_
12	MALI REDDY PAVANI	19CQSB7048	P	P	P	P	P	P	A	P	P	P	P	-	P	P	A		-	A	-	P	-		-	A	D	P	P	-		P
13	MOHAMED MAZHAR	19CQSB7056	P	P	P	P	P	A	P	P	P	7	A	P		P	P	•	A	P	P			P				A	-	P		_
14	NEHA B GANGULI	19CQSB7063	P	P	8	P	P	P	P	P	P	P	P		P	-				-	A		-		-	-			P		P	
15	PRADEEP KUMAR	19CQSB7071	P	P	P	P	A	A	P		P	P	P	6	-		P		P		A	- 1	120					A	1			P
16	R ARJUN	19CQSB7076	P	1	P	P	A	P	P	P	P	P	P	P	P		A	_		P	P	0	A			p	P	0	D	-	A	
17	RAHUL SALARIA	19CQSB7082	P	P	P	A	P	P	P	A	P	P	?	A	P	P	r	P	P	A	- 1	1	1	A	-	A	-	P	0	A		
18	SHASHI KIRAN M	19CQSB7091	P	P	P	P	A	P	P	P	P	P	A	P	17	8	P	1	·		`	P				-						
19	SOJITRA JEET NITINBHAI	19CQSB7095	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P			P	P	PA	P	P	P	P	P		-	P	-
20	TANAMI D	19CQSB7100	P	P	P	P	P	A	P	P	P	P	P	A		1	P			-1	-	·		1	0		P		P	-	A	
21	VENU S	19CQSB7107	P	P	8	P	P	A	A	P	P	-	8	P	P		A	•	P	P	P	-	PA	A	P	P		A	2	•	P	
22	VISHNU G YADAV	19CQSB7114	P	P	P	P	A	P	P	P	Y	P	P	7	P	A	7	P	H	7	7	P	7	D	D	10	Δ	D	D	_	P	D
23	SINCHANA V	196MSB7117	P	P	P	A	P	P	P	P	A	P	P	P	P	f	1	r	P	Y	1	H	1	1	r		n	1	I	1		1