V.V.GIRI GOVT. KALASALA

DUMPAGADAPA, W.G.Dist., (via) AKIVIDU - 534 235

Accredited by NAAC @ B+

College Code : AKNU323

Sri.Ch.S.Haranadh M.Sc.,
M.Phil Principal

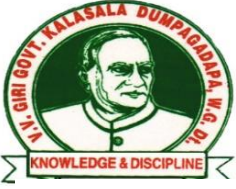Cell: 7013313071

E-mail : gdcdumpagadapa.jkc@gmail.com
Website : www.dumpagadapa.ac.in

CERTIFICATE   COURSE

ON

COMPUTER INTERNET PROTOCOL

Organised by Department of computer Science

Co-ordinator:Smt.J.Karuna Kumari

Convenor: Sri.Ch.S.haranath , Principal,V.V.Giri Govt.Kalasala

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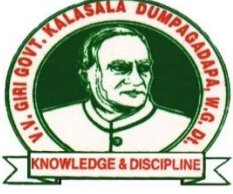Website : www.dumpagadapa.ac.in

CIRCULAR

Dt:13.02.2020

Ref: Minutes of the meeting of the IQAC point 4 held on 12.02.2020

As per the reference cited above, our college IQAC resolved to approve the following certificate course for the following Science departments given in the table below. It has approved the course syllabus, course duration from 30-40 hours to be finished with in 3 months i.e (February, 2020 to March, 2020), Brochure to be circulated course and exam to be conducted, attendance and marks statement to be maintained and certificate of completion to be provide at the end of the course.

S.No.	Name of the department	Title of the certificate course	Course code	Remarks
1	Computer Science	Computer internet protocol	CS-CC-CIP	

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STUDENT ENORLLMENT LIST

Name of the department: COMPUETER SCIENCE   Duration of the course: 38 hrs

Title of the certificate course: COMPUTER INTERNET PROTOCOL   Course code: **CS-CC-CIP**

S.no	Name of the student	Class	Roll number	Signature
1	Boddu Elisha Raju	I Mpcs	193237102012	B. Elisha Raju
2	Gadi Vinay Kiran	I Mpcs	193237102013	G. Vinay kiran
3	Lakkamsetti satya naga sai nirmal kumar	I Mpcs	193237102014	L. Satya kumar
4	Mudde JanakiRam	I Mpcs	193237102015	M. Janakiram
5	Nimmala Ashwini kumari	I Mpcs	193237102016	N. Ashwini kumari
6	Nimmala Sai Rama	I Mpcs	193237102017	N. Sai rama
7	Singaparthi sai Durga prasad	I Mpcs	193237102018	S. Durga prasad

J. Kavura Kumari

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V.V. Giri Government Kalasala
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Name of the department: COMPUETER SCIENCE   Duration of the course: 38 hrs
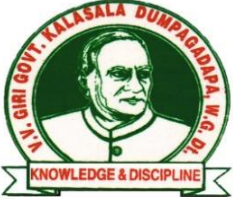
Title of the certificate course: COMPUTER INTERNET PROTOCOL   Course code: **CS-CC-CIP**

STUDENT ATTENDANCE

V.V.GIRI.GOVT.KALASALA,DUMPAGADAPA DEPT OF COMPUTER SCIENCE

DEPT OF COMPUTER SCIENCE

CERTIFICATE COURSE ON: COMPUTER INTERNET PROTOCOL

NAME OF THE STUDENT	3	4	5	6	7	8	10	11	12	15	17	18	19	20	21	22	24	25	26	27	29	2	3	4	5	6	7	9	10	11	12	13	14
Boddu Elisha Raju	P	P	P	P	A	P	A	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	?	?
Gadi Vinay Kiran	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	?	?	?
Lakkamsetti Satya nagasainirmal kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Mudde JanakiRam	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Nimmala Ashwini kumari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
Nimmala Sai Rama	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Singaparthi sai Durga prasad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P

J. Kavura Kumari

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SYLLABUS

Name of the Department: Computer Science

Course title: Computer Internet Protocol   **Duration:** 38hrs

COURSE OUTCOME:

- The student installs and configures workstations, servers and networked printers, internetworking devices such as switches and routers.

- Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies.

- Practice and building the skills of subnetting and routing mechanisms.

- To be familiar with contemporary issues in networking technologies, network tools and network programming.

- Allow the student to gain expertise in some specific areas of networking such as the design and maintenance of individual networks.

- Analyze, specify and design the topological and routing strategies for an IP based networking infrastructure

Unit-1:
Introduction
- Introduction and historical background
- Ethernet and and Local Area Network
- Wireless Network and IEEE 802.11

Unit-2:
IP and routing
- Introduction to the IP protocol (IPv4 and IPv6)
- Intra-domain routing
- Inter-domain routing

Unit-3:
Congestion control and quality of service
- The TCP protocol
- The UDP protocol
- Introduction to quality of service
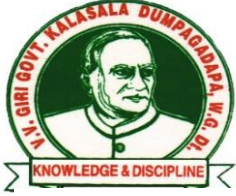- Integrated services architecture
- Differentiated services architecture

Unit-4:
The upper layers
- Session protocols
- Application layer protocols
- The domain name service (DNS)
- Security

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Certificate course-2019-20

Course title: Computer Internet Protocol
Time: **Duration:**35hrs
Exam date: **Max.Marks:**25M

1. Which version field of IPv4 header, when the machine is using some other version of IPv4 then datagram_____.

A. Accepted
B. Discarded
C. Interpreted incorrectly
D. Interpreted

2. What is header of datagram in IPv4_____

A. 20 to 60 bytes
B. 20 to 80 bytes
C. 20 to 40 bytes
D. 0 to 20 bytes

3. Which one of the following source needs to pass information to all routers visited by datagram, the option used in

A. IP-by-IP option
B. Header-by-Header option
C. Hop-by-Hop Option
D. Loop-by-loop Option

4. What is the responsibility of the internetwork, the network layer is _____

A. Host to Server communication
B. Host to User Link
C. User to Host IP
D. Host to Host Delivery

5. What is the abbreviation of CCT…

A. Congestion Controlled Transmission
B. Close Circuit Traffic
C. Close Circuit Transmission
D. Congestion Controlled Traffic

6. Fragmented datagram's fragment size should have the first-byte number of IPv4 divisible by_____

A. 8
B. 16
C. 2
D. 4

7. How IPv6 is designed to allow extension of_____

A. Headers
B. DataSet
C. Protocol
D. Route

8. When flag field that fragmentation of IPV4 is_____.

A. 2 bit field
B. 1 bit field
C. 4 bit field
D. 3 bit field

9. M bit is 0, value of HLEN is 5, value of total length is 200 and offset value _____ ,in an IPv6 datagram.

A. 200
B. 300
C. 350
D. 400

10. In IPv4, a When machine drops header and trailer when it receives a

A. Frame
B. Signal
C. Request
D. Service

11. The datagram network uses universal addresses defined in the network layer to route packets from source to the…

A. Destination
B. Application
C. Same source
D. Layers

12. How physical and data link layers **of a network operate…**

A. Unjointly
B. Seperately
C. Locally
D. Independently

13. Checksum is used in Internet by several protocols although not at the _____
a) Session layer
b) Transport layer
c) Network layer
d) Data link layer

14. An internet is a _____
a) Collection of WANS
b) Network of networks
c) Collection of LANS
d) Collection of identical LANS and WANS

15. Protocols are set of rules to govern _____
a) Communication
b) Standard
c) Metropolitan communication
d) Bandwidth

16. Network layer at source is responsible for creating a packet from data coming from another
a) Station
b) Link
c) Node
d) Protocol
17. In IPv4 layer, datagram is of _____
a) Fixed length
b) Variable length
c) Global length
d) Zero length
18. Which protocol is commonly used to retrieve email from a mail server?
a) FTP
b) IMAP
c) HTML
d) TELNET

19.Which one of the following is a data link protocol?
A) point to point protocol
B) HDLC
C) Ethernet
D) all of these answers
20.The network layer protocol of the internet is
A) hypertext transfer protocol
B) internet protocol
C) Ethernet
D) none of these answers
21.CRC stands for
A) cyclic redundancy check
B) code redundancy check
C) code repeat check
D) cyclic repeat check
22.Which of these is not a guided media?
A) Fiber optical cable
B) Wireless LAN
C) Copper wire
D) Coaxial cable
23.Coding schemes can be divided into two broad categories _____
A) Block Coding and Convolution Coding.
B) Hamming coding and convolution coding
C) character coding, integer coding
D) hamming coding and block coding
24.Which one of the following tasks is not done by the data link layer?
A) framing
B) channel coding
C) flow control
D) error control

25.Which one of the following tasks is not done by the data link layer?
A) framing
B) channel coding
C) flow control
D) error control

J. Kavura Kumari

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Exam-Absentee statement

Name of the department: COMPUETER SCIENCE

Duration of the course: 38 hrs

Title of the certificate course: COMPUTER INTERNET PROTOCOL

Course code: **CS-CC-CIP**

Date of Exam:**23-03-2020**

Total Marks: 25

S.no	Name of the student	Roll number	Signature of the student
1	Boddu Elisha Raju	193237102012	B-Elish Raju
2	Gadi Vinay Kiran	193237102013	G .Vinay kiran
3	Lakkamsettisatyanagasainirmalkumar	193237102014	L. satya kumar
4	Mudde JanakiRam	193237102015	M. Janakiram
5	Nimmala Ashwini kumari	193237102016	N. Ashwini Kumari
6	Nimmala Sai Rama	193237102017	N Sai Rama.
7	Singaparthisai Durga prasad	193237102018	S. Durga Prasad

J. Kavuna Kumari

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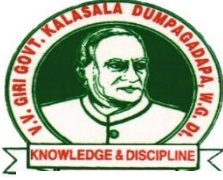
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Student Marks Statement

Name of the department: COMPUETER SCIENCE   Duration of the course: 38 hrs

Title of the certificate course: COMPUTER INTERNET PROTOCOL   Course code: **CS-CC-CIP**


Name of the coordinator: J Karuna Kumari   **Total Marks:25M**

S.no	Name of the student	Class	Marks obtained	Remarks
1	Boddu Elisha Raju	IMpcs	24	Good
2	Gadi Vinay Kiran	IMpcs	23	Good
3	Lakkamsetti satya naga sai nirmal kumar	IMpcs	23	Good
4	Mudde JanakiRam	IMpcs	21	Good
5	Nimmala Ashwini kumari	IMpcs	24	Good
6	Nimmala Sai Rama	IMpcs	24	Good
7	Singaparthi sai Durga prasad	IMpcs	24	Good

J. Karuna Kumari

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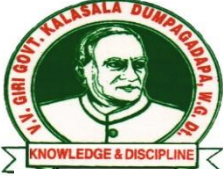
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KNOWLEDGE & DISCIPLINE

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DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE COURSE

COMPUTER INTERNET PROTOCOL

3rd FEBRUARY 2020 TO 17th MARCH 2020

A BRIEF REPORT

The Department of Computer Science organized a Certificate course on Employment and its management strategies to the students of (I Mpcs).

- ❖ The program is conducted after the regular class work is over.
- ❖ The duration of the class is one hour and in total 38 hrs is the duration of the course.
- ❖ Students were supplied with the necessary study material.
- ❖ Out of 7 registered, all students participated and successfully completed the course.
- ❖ At the end of the program, a Grand Test was conducted and it was also evaluated.
- ❖ Certificates were issued to the successfully completed participants in the valedictory function.
- ❖ Smt.J.Karuna Kumari and experts from outside the college were the resource persons.

The outcomes of the course are:

- The student installs and configures workstations, servers and networked printers, internetworking devices such as switches and routers.

- Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies.

- Practice and building the skills of subnetting and routing mechanisms.

- To be familiar with contemporary issues in networking technologies, network tools and network programming.

- Allow the student to gain expertise in some specific areas of networking such as the design and maintenance of individual networks.

- Analyze, specify and design the topological and routing strategies for an IP based networking infrastructure

J. Karuna Kumari

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(DUMPAGADAPA) W.G.DT (VIA AKIVIDU A.P, 534 235 Accredited by NAAC@B+

CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT MR/MS. **SINGAPARTHI SAI DURGA PRASAD**

CLASS **I M.P.Cs** REGISTERED NO: **1932371020178** HAS SUCCESSFULLY COMPLETED A CERTIFICATE

COURSEOF 38 HOURS ON **COMPUTER INTERNET PROTOCOL** CONDUCTED BY

DEPARTMENT OF **COMPUTER SCIENCE** FROM **03-02-2020** TO **17-03-2020**

CERTIFIED

J. Karuna Kumari

COURSE CO-ORDINATOR

IQAC CO-ORDINATOR

PRINCIPAL

V.V.GIRI.GOVT.KALASALA

(DUMPAGADAPA) W.G.DT (VIA AKIVIDU A.P, 534 235 Accredited by NAAC@B+

CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT MR/MS. **MUDDE JANAKI RAM**

CLASS **I M.P.Cs** REGISTERED NO: **193237102015** HAS SUCCESSFULLY COMPLETED A CERTIFICATE

COURSEOF 38 HOURS ON **COMPUTER INTERNET PROTOCOL** CONDUCTED BY

DEPARTMENT OF **COMPUTER SCIENCE** FROM **03-02-2020** TO **17-03-2020**

CERTIFIED

J. Karuna Kumari

COURSE CO-ORDINATOR

IQAC CO-ORDINATOR

PRINCIPAL

V.V.GIRI.GOVT.KALASALA

(DUMPAGADAPA) W.G.DT (VIA AKIVIDU A.P, 534 235 Accredited by NAAC@B+

CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT MR/MS. **NIMMALA ASWANI KUMARI**

CLASS **I M.P.Cs** REGISTERED NO: **193237102016** HAS SUCCESSFULLY COMPLETED A CERTIFICATE

COURSEOF 38 HOURS ON **COMPUTER INTERNET PROTOCOL** CONDUCTED BY

DEPARTMENT OF **COMPUTER SCIENCE** FROM **03-02-2020** TO **17-03-2020**

CERTIFIED

J. Kavuva Kumari
COURSE CO-ORDINATOR

IQAC CO-ORDINATOR

PRINCIPAL

V.V.GIRI.GOVT.KALASALA

(DUMPAGADAPA) W.G.DT (VIA AKIVIDU A.P, 534 235 Accredited by NAAC@B+

CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT MR/MS. **NIMMALA SAI RAMA**

CLASS **I M.P.Cs** REGISTERED NO: **193237102017** HAS SUCCESSFULLY COMPLETED A CERTIFICATE

COURSEOF 38 HOURS ON **COMPUTER INTERNET PROTOCOL** CONDUCTED BY

DEPARTMENT OF **COMPUTER SCIENCE** FROM **03-02-2020** TO **17-03-2020**

CERTIFIED

J. Kavuva Kumari
COURSE CO-ORDINATOR

IQAC CO-ORDINATOR

PRINCIPAL