

SRR & CVR GOVERNMENT DEGREE COLLEGE (ATONOMOUS)
VIJAYAWADA
DEPARTMENT OF PHYSICS & ELECTRONICS
CERTIFICATE COURSE
HARDWARE AND NETWORKING

Objectives of the Course:

- Indicate the names and functions of hardware ports and the parts of the motherboard.
- Identify the names and distinguishing features of different kinds of input and output devices.
- Describe how the CPU processes data and instructions and controls the operation of all other devices.
- Identify the names, distinguishing features, and units for measuring different kinds of memory and storage devices.
- Search the personal computer for the various hardware components it contains.

Syllabus

[Syllabus URL](#)

A+ Certification - Hardware

- Chapter 1 - The Visible PC**
- Chapter 2 - Microprocessors**
- Chapter 3 - RAM**
- Chapter 4 - Motherboards and BIOS**
- Chapter 5 - Expansion Bus**
- Chapter 6 - Power Supplies**
- Chapter 7/8 - Floppy/Hard Drives**
- Chapter 9 - SCSI**
- Chapter 10/11 - CD Media/Sound**
- Chapter 12 - Input/output**
- Chapter 13 - Portable PCs**
- Chapter 14 - Printers**

Course Duration: Total 3 Months (10hours per week)

Trainer : Sri ChandraGiri Babu

Action plan:

1) Admission Process

Applications are invited through newspaper and to regular students orally in teaching classes. Among the regular B.Sc students Junior college students, B. Tech qualified candidates and retired employees, hobbyists are joined in the course.

Programme is inaugurated by Honourable Principal madam on 08-11-2021. Among the 30 participants 20 students paid their course fee. a total amount of Rs 30,000 collected to run the course with regular practice of the course content and as remuneration to trainer.

2)Course Schedule

The classes are scheduled for everyday 5PM - 7 PM , one hour theory and one hour practical work as per schedule.

3)Evaluation & Certification Process

Continuous internal assessment is made while students' are doing their practical sessions.

After completion of the syllabus a grand test is also conducted to check the skills of participants. Many of the participants showed good performance and everyone are qualified to get the certificates,



HARDWARE & NETWORKING COURSE		
2021-22		
08.11.2021 TO 07.02.2022		
S.NO	NAME	PAID
1	M.SASIDHAR	1000
2	V.SAIKIRAN	1500
3	M.R.S.RAMJEE	3000
4	R.MURALI KRISHNA	3000
5	SD.ALEEM	1000
6	AVL NARASIMHA RAO	2500
7	S.VARUN KUMAR	3000
8	J.PRABHU KUMAR	1500
9	P.SRINIVASA BHARADWAJ	1500
10	CH.PRUDHVI	1500
11	S.BHAVITHA	1500
12	A.MANASA SIVA BHAVANI	1500
13	B.VENKATESH	1000
14	V.KAMESWARA RAO	3000
15	T.VENKATESH	500

16	PRAVEEN SAI KUMAR	1000
17	N.V.L.PHANEENDRA	500
18	K.KALYAN	1000
19	V.HEMANTH KUMAR	1000
20	K.GANESH	1000
	SRINIVASU (CHANDRAGIRI)	1000
	CHANDRAGIRI	
		32500
	AMOUNT CREDITTED TO BANK	21500
		1500
		7000
		30000

INAUGURATION OF
CERTIFICATE COURSE ON
Hardware & Networking

DS: 02.11.2021

Attendances:

S. No.	Name	Phone number	Signature
1.	E. Mohana Vijaya Chandrika	8331913938	<u>Chandrika</u>
2.	Ch. Sowjanya	9014590644	<u>Sowjanya</u>
3.	Sakeena Banu	9701430304	<u>Sakeena</u>
4)	P. Phanindora	6301803943	<u>Phanindora</u>
5)	R. Sreedhar	7989387854	<u>Sreedhar</u>
6)	K. Venkateswararao	9963240495	<u>Venug</u>
7)	Cr. V. Ajay Kumar	9059931094	<u>Ajay</u>
8)	E. Sai Krishna	7730070372	<u>E. Sai Krishna</u>
9)	R. Bhuvana Sweth	9182093849	<u>Sweth</u>
10)	A.V.L NARASIMHARAO	8520002514	<u>AL</u>
11)	M. Sasidhar	9494763068	<u>M</u>
12)	V. Jagath	9989807030	<u>Jagath</u>
13)	T. Manasa	6302959171	<u>T. Manasa</u>
14)	Sk. Athar	9100898988	<u>Sk. Athar</u>
15)	K. Ganesh	7993892076	<u>K. Ganesh</u>
16)	Ch. Chaitanya Kumar	6301275004	<u>Ch. Chaitanya Kumar</u>

SNO

17. P. JAGADEESH	9515607399	P. Jagadeesh
18. B. Ravi Kiran	8500819256	B. Ravi Kiran
19. B. Yaswanth	5338005396	B. Yaswanth
20. J. Abhikumar	9392245645	J. Abhikumar
21. S. Aluru	9441151629	S. Aluru
22. S. Varunkumar	9398720799	S. Varunkumar
23. M. Ranjee	8500887237	M. R. S. Ranjee
24. S. Praveen Sukumar	9194169688	S. P. S.
25. T. Venkatesh	9347223056	T. Venkatesh
26. R. MURALI KRISHNA MURTHY	9440118518	R. M. S.



భారత ప్రభుత్వం
Government of India



ఉగ్గిన సాయి కిరణ్
Yuggina Sai Kiran
పుట్టిన తేదీ / DOB : 12/05/1987
పురుషుడు / Male



8409 4189 7504

అధార్ - సామాన్యని హక్కు



భారత విశిష్ట గుర్తింపు ప్రాధికార సంస్థ
Unique Identification Authority of India

చిరునామా:
S/O: ఉగ్గిన వెంకట రావు, 57-2-4,
యాదవుల బజార్, పటమాల ఇ సెవ,
పటమాల, విజయవాడ ఆర్బన్,
వెంకటేశ్వరపురం, కృష్ణ, ఆంధ్ర ప్రదేశ్,
520010

Address:
S/O: Yuggina Venkata Rao,
57-2-4, yadavula bazar, patamala
e seva, patamala, Vijayawada
(Urban), Venkateswarapuram,
Krishna, Andhra Pradesh, 520010

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S.R.R & C.V.R GOVERNMENT DEGREE COLLEGE
(AUTONOMOUS)
Machavaram, Vijayawada-520004, Krishna Dist, A.P.



APPLICATION FORM FOR ADMISSION INTO
CERTIFICATE COURSE IN "HARDWARE & NETWORKING"

08.11.2021 TO 07.02.2022 (3Months) Monday to Friday 5pm to 7pm

DEPARTMENT OF PHYSICS & ELECTRONICS

- Name of the Applicant : SAIKIRAN VUGGINA
- Father's Name : V. VENKATA RAO
- Date of Birth & age : 12/05/1987 V 34
- Address for Communication: V. SAI KIRAN



S/o: V. USHA RANI

57-3-3, PATAMATA, VIJAYAWADA

Mobile No: 9885421733

E-Mail ID: Saikiranuggina18@gmail.com

- Educational Qualifications: B.Com March - 2007

6. Course Applied for : Certificate course in Hardware & Networking

7. Aadhar No. : 8409 489 7504

Declaration: I hereby declare that the information furnished above is true to the best of my knowledge, I will follow the rules and regulations of the College.

Date: 01-11-2021

V. Sai Kiran
Signature of the Applicant

For Office Use Only

Admitted into Certificate course from: _____

Fee paid Rs. _____ (Rupees _____ Only)


Vide Receipt No. _____, Dt. - 2021. Allotted Roll No: _____

Office Staff

In charge of the Department

Principal

భారత ప్రభుత్వం
Government of India
 ఆంధ్రప్రదేశ్ ప్రభుత్వం
Arikatla Venkata Sai Som



పుట్టిన సంవత్సరం / Year of Birth: 1987
 పురుషుడు / Male

3633 9089 2764

ఆధార్ - సామాన్యుని హక్కు

ఆంధ్రప్రదేశ్ ప్రభుత్వం
Unique Identification Authority of India

దివానా: S/O: ఆంధ్రప్రదేశ్ ప్రభుత్వం
 24-12-21, 5వ లేన్
 ఆంధ్ర ప్రదేశ్ ప్రభుత్వం, బావజి పేట
 విజయవాడ అర్బన్, గాంధీనగర్, కృష్ణా
 ఆంధ్ర ప్రదేశ్, 520003

Address: S/O: Arikatla
 Seetharamaiah, 24-12-21,
 5th lane, Near R C M
 CHURH, Bavaji peta,
 Vijayawada (Urban), Krishna,
 Gandhinagaram, Andhra
 Pradesh, 520003

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Bhikshapada Venkatesh

B. Venkatesh

43
50

SRR & CVR Govt. Degree College

CCNA & HARDWARE MULTIPLE QUESTION PAPER

- 1) Which of the following is not the requirement of routing function? 50X1=50M
A. Correctness B. Robustness C. Delay time D. Stability [C] ✓
- 2) The protocol allows the administrator to assign a cost, called the metric, to each route.
A. OSPF B. RIP C. BGP D. BGP [A] ✓
- 3) If there is only one routing sequence for each source destination pair, the scheme is known as.....
A. static routing B. fixed alternative routing C. standard routing D. dynamic routing [B] ✓
- 4) The Open Shortest Path First (OSPF) protocol is an intra-domain routing protocol based on.....routing.
A. distance vector B. link state C. path vector D. non distance vector [B] ✓
- 5) An/A routing scheme is designed to enable switches to react to changing traffic patterns on the network.
A. static routing B. fixed alternative routing C. standard routing D. dynamic routing [C] ✓
- 6) The Routing Information Protocol (RIP) is an intra-domain routing based on... routing.
A. distance vector B. link state C. path vector D. distance code [A] ✓
- 7) The term..... refers to which node or nodes in the network are responsible for the routing decision.
A. decision place B. routing place C. node place D. switching place [A] ✓
- 8) In routing the least cost route between any two nodes is the minimum distance.
A. path vector B. distance vector C. link state D. switching [B] ✓
- 9) For centralized routing the decision is made by some designated node called.....
A. designated center B. control center C. network center D. network control center [D] ✓
- 10) For purposes of routing, the Internet is divided into.....
A. wide area networks B. autonomous networks C. local area networks D. autonomous system [D] ✓
- 11) In a route is selected for each destination pair of nodes in the network.
A. flooding B. variable routing C. fixed routing D. random routing [C] ✓

25. The time taken to move an access arm to a certain track on a disk is
a. Seek Time b. Head Switching Time c. Search Time d. Data Transfer time

(A) ✓

26. The rotational delay time or latency time is also known as
a. Seek Time b. Head Switching Time c. Search Time d. Data Transfer time

(C) ✓

27. Which of the following is not a magnetic storage medium?
a. Floppy Disk b. Hard Disk c. Digital Versatile Disks d. Cassettes and Cartridges

(C) ✓

28. Which of the following term do not refer to an expansion card?
a. Controller Cards b. Adapters c. Daughterboard d. Motherboard

(C) ✓

29. Which of the following port is better suitable to support high speed graphics and other video input?
a. VGA Port b. SVGA Port c. AGP Port d. PS/2 Port

(C) ✓

30. Which device in microprocessor stores the data to be processed?
a. ROM b. RAM c. Registers d. ALU

(C) ✓

31. Which of the following is not an optical storage medium?
a. CDs b. DVDs c. Blu Ray d. Memory Sticks

(D) ✓

32. A standard CD ROM can hold data up to
a. 1.44 MB b. 650 MB c. 2 GB d. 1 TB

(B) ✓

33. IBM introduced the first 8" floppy disk in 1971 which could store
a. 100 KB b. 164 KB c. 512 KB d. 1.44 MB

(A) ✓

34. The storage capacity of a floppy disk is measured in
a. KB b. MB c. GB d. TB

(B) ✓

35. The storage capacity of a hard disk is measured in
a. KB b. MB c. GB d. TB

(C) ✓

36. What is the suitable output device for CAE, CAD and CAM?
a. Dot Matrix Printers b. Laser Printers c. Plotters d. Projectors

(C) ✓

37. Which of the following printer produces most noise?
a. Dot Matrix Printer b. Inkjet Printer c. Laser Printer d. None of above

(A) ✓

38. To record and produce sound in a computer system you need
a. Microphone b. Speakers c. Sound card d. All of above

(D) ✓

SRR & CVR GOVERNMENT DEGREE COLLEGE (A)

Vijayawada, Krishna Dist-A.P

DEPARTMENT OF PHYSICS & ELECTRONICS



CERTIFICATE

This is to certify that Mr./Miss Alladi Manasa Siva Bhavani
S/o/D/o Eswara Rao is bonafied
student of this institution has successfully completed Certificate Course
entitled "**Computer Hardware and Networking**" during the period from
08.11.2021 to 7.02.2022.


Smt. P. SAILAJA
Dept. Incharge


Sri J. NAGESWARA RAO
Course Co-Ordinator


Dr. K. BHAGYA LAKSHMI
Principal

SRR & CVR GOVERNMENT DEGREE COLLEGE (A)

Vijayawada, Krishna Dist-A.P

DEPARTMENT OF PHYSICS & ELECTRONICS



CERTIFICATE

This is to certify that Mr./Miss T. Venkatesh

S/o/D/o Steinivasulu is bonafied
student of this institution has successfully completed Certificate Course
entitled "**Computer Hardware and Networking**" during the period from
08.11.2021 to 7.02.2022.


Smt. P. SAILAJA
Dept. Incharge


Sri J. NAGESWARA RAO
Course Co-Ordinator


Dr. K. BHAGYA LAKSHMI
Principal

సర్టిఫికేట్ కోర్సులతో ప్రయోజనం



విద్యార్థికి ధ్రువ పత్రం అందిస్తున్న భాగ్యలక్ష్మి చిత్రంలో అప్పారావు తదితరులు

మాచవరం, న్యూస్టుడే : సర్టిఫికేట్ కోర్సులతో భవితకు పునాది వేసుకోవాలని బౌతికశాస్త్ర విశ్రాంత ఆధ్యాపకుడు పి.అప్పారావు సూచించారు. మాచవరం ఎస్సోలార్ ఆండ్ సీవీఆర్ ప్రభుత్వ డిగ్రీ కళాశాల బౌతికశాస్త్రం, ఎలక్ట్రానిక్స్ విభాగం ఆధ్వర్యంలో మూడు నెలల పాటు నిర్వహించిన 'హార్వేర్ ఆండ్ నెట్ వర్కింగ్ కోర్సు సర్టిఫికేట్ ప్రధాన కార్యక్రమానికి బుధవారం ఆయన ముఖ్య అతిథిగా హాజరయ్యారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ.. ఉపాధి కల్పించే ఇలాంటి కోర్సులు మరెన్నో నేర్చుకోవాలని యువతకు సూచించారు. ప్రీస్నిపల్ డాక్టర్ కె.భాగ్యలక్ష్మి మాట్లాడుతూ.. డిగ్రీ కోర్సుతో పాటు సర్టిఫికేట్ కోర్సులు బాగా ఉపయోగపడతాయని చెప్పారు. డిగ్రీ చదువుతూనే ఖాళీ సమయాల్లో డబ్బు సంపాదించుకోవచ్చన్నారు. వైస్ ప్రీస్నిపల్, కార్యక్రమ సమన్వయకర్త పి.శైలజ మాట్లాడుతూ.. సిద్ధాంత తరగతులతో పాటు ప్రయోగాలకు విద్యార్థులను తీర్చిదిద్దినట్లు తెలిపారు. కార్యక్రమంలో నాక్ సమన్వయకర్త డాక్టర్ కామేశ్వరి, ఆధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.

Enadu mam.

11:14 AM

OUTCOMES of The Programme

By successful completion of the course, students will be able to:

1. Acquire necessary skills/hand on experience/ working knowledge on

Microprocessors, RAM, input /output devices, Mother board and CPU.

- 2. Understand the repairing capabilities of CPU, Mother board and other peripherals of computers.**

- 3. Acquire the installation process of OA, Drivers and trouble shoot problems in a computer.**